

**BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION**  
**NEW DELHI**

PETITION NO.....

**IN THE MATTER OF** : - Petition Under Section 62 and 79 (1) (a) of the Electricity Act, 2003 read with Chapter-V of the Central Electricity Regulatory Commission (Conduct of Business) Regulations, 1999 and Chapter-3, Regulation-9 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 for approval of tariff of **Barh Super Thermal Power Station Stage-II (1320 MW) for the period from 01.04.2019 to 31.03.2024.**

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**AND  
IN THE MATTER OF**

Petitioner:

: NTPC Ltd.  
NTPC Bhawan  
Core-7, Scope Complex  
7, Institutional Area, Lodhi Road  
New Delhi-110 003.

Respondents

1. North Bihar Power Distribution Company Limited  
1st Floor, Vidyut Bhawan,  
Bailey Road, Patna - 800 001
2. South Bihar Power Distribution Company Limited  
1st Floor, Vidyut Bhawan,  
Bailey Road, Patna - 800 001
3. Jharkhand Bijlee Vitran Nigam Limited  
Engineering Building, HEC Township  
Dhurwa, Ranchi-4.
4. Power Department  
Govt. of Sikkim  
Kazi Road, Gangtok, Sikkim - 737 101.

5. Tamil Nadu Generation & Distribution Corporation Ltd.  
(TANGEDCO) , 144, Anna Salai ,  
Chennai- 600002

Vijendran

The Petitioner humbly states that:

- 1) The Petitioner herein NTPC Ltd., is a Government Company within the meaning of the Companies Act, 2013. Further, it is a 'Generating Company' as defined under Section 2(28) of the Electricity Act, 2003.
- 2) The Petitioner is having power stations/ projects at different regions and places in the country. Barh Super Thermal Power Station Stage-II (1320 MW) (hereinafter referred to as Barh-II) is one such station located in the State of Bihar. The power generated from Barh-II is being supplied to the respondents herein above.
- 3) It is submitted that MOP vide letter dated 28.03.2022 has reallocated Jharkhand and Sikkim Barh-II share of power to Tamil Nadu for a period of five years. Copy of the MoP letter attached at **Annexure-A**. In view of the above, Tamil Nadu generation & Distribution Corporation Ltd. (TANGEDCO) has also been made respondent in the instant petition. Further, MOP vide allocation letter dated 01.11.2022 has revised the allocation and reallocate the power to Tamil Nadu till 29.03.2024. Copy of the MoP letter attached at **Annexure-A.1**
- 4) Section 62 of Electricity Act, 2003 provides for determination of tariff by the Appropriate Commission for supply of electricity by a generating company. The Hon'ble Commission, under Section 79(1)(a) of the Electricity Act, 2003, is vested with the jurisdiction to regulate the tariff of the Generating Companies owned or controlled by the Central Government.
- 5) Hon'ble Commission has notified the Central Electricity Regulatory Commission (Terms & Conditions of Tariff) Regulations, 2019 (hereinafter 'Tariff Regulations 2019') which came into force from 01.04.2019, specifying the terms & conditions and methodology of tariff determination under Section 62 & 79 of the Electricity Act, 2003.

*Vitendra*

- 6) The tariff of the station Barh-II for the tariff period 18.02.2016 to 31.3.2019 is under process of determination by the Hon'ble Commission in Petition No. 130/GT/2014 in accordance with the CERC (Terms & Conditions of Tariff) Regulations 2014. The amended petition for determination of tariff for Barh-II was filed before Hon'ble commission vide affidavit dtd 28.06.2019 based on audited capital cost as on COD of Unit-V on 18.02.2016 and COD of unit-IV on 08.03.2016 (COD revised as per Hon'ble Commission order dtd. 20.09.2017 in petition no 130/MP/2015).
- 7) The amended petition was heard on 26.03.2021. The Hon'ble Commission vide Record of Proceedings for the hearing dated 26.03.2021 directed as under:

*"4. In terms of the interim order dated 01.03.2021 of the Hon'ble Supreme Court and based on the submissions of the parties, the Commission adjourned the hearing of the petition, till final disposal of the Civil Appeal No. 395/2021 by the Hon'ble Supreme Court. In the meanwhile, the Petitioner was directed to file details of the actual expenditure incurred for the period from COD till 31.3.2019 along with tariff filing forms in terms of the Tariff Regulations, for the purpose of determination of tariff of the generating station.*

- 8) In line with the directions quoted above, the petitioner has filed petition for truing up additional capital expenditure for the control period from 01.04.2016 to 31.03.2019 based on actual capital expenditure incurred during the tariff period vide affidavit dated 06.09.2021 for the purpose of determination of tariff.
- 9) Regulation 9(2) of Tariff Regulations 2019 provides as follows:

*"(2) In case of an existing generating station or unit thereof, or transmission system or element thereof, the application shall be made by the generating company or the transmission licensee, as the case may be, by 31.10.2019, based on admitted capital cost including additional capital expenditure already admitted and incurred up to 31.3.2019 (either based on actual or projected additional capital expenditure) and estimated additional capital expenditure for the respective years of the tariff period 2019-24 along with the true up petition*

*for the period 2014-19 in accordance with the CERC (Terms and Conditions of Tariff) Regulations, 2014."*

It is submitted that Hon'ble commission in Order dated 28.10.2019 in Petition no. 331/MP/2019 while exercising power under Regulation 76 of the 2019 Tariff Regulations, has relaxed the Regulation 9(2) of the 2019 Tariff Regulations and allows the Petitioner i.e. Generating Company whose tariff is determined by commission to file the tariff petitions for 2019-24 as under;

*"8. (b) ..... where final orders for the 2014-19 period are yet to be issued, tariff petitions for true up of the tariff of the 2014-19 tariff period and determination of tariff for the 2019-24 petition shall be filed by the Petitioner within three months from the date of issue of the final order for the period 2014-19 period ....."*

In terms of above, the Petitioner is filing the present petition for determination of tariff for Barh-II for the period from 01.04.2019 to 31.03.2024 as per the Tariff Regulations 2019.

- 10) It is submitted that the actual closing capital cost as on 31.03.2019 has been worked out in the foresaid true-up petition as Rs 9613.03 Crs based on the actual expenditure after true up exercise for the period 2014-19. The Hon'ble Commission may be pleased to accordingly adopt this capital cost as on 31.03.2019 and determine the tariff in the present petition for the period 2019-24.
- 11) The capital expenditure claimed in the instant petition for period 2019-24 is based on the opening capital cost as on 01.04.2019 considered as above and the capital expenditures for the period 2019-20 & 2020-21 have been based on actual audited expenditure and for period 2021-24 projected additional capital expenditure in accordance with the Regulation 19, 24, 25 and 26 of the Tariff Regulations, 2019. The petitioner is submitting balance sheets for the period 2019-20 & 2020-21, attached as **Annexure-BS-1/2**

*V. K. S. S.*

- 12) Barh Stage-II Station achieved COD on 08.03.2016 and in accordance with above provisions of Tariff Regulations, 2019, the cut-off date of the station works out to be 31.03.2019, which falls in the operation of the Tariff Regulations, 2014.
- 13) Capitalization of majority of works of original scope have been completed within cut-off date, however certain works under original scope projected earlier to be capitalized by 31.03.2019 got spilled into the next tariff period on account of unforeseen circumstances beyond the reasonable control of Barh, despite regular monitoring & follow-up. These unavoidable and uncontrollable delays were due to various agencies executing the work in various packages and are now in NCLT, the hindrances created by local villagers during execution of work has hampered the work progress, subsequent effect of Covid-19 pandemic has affected various packages etc. The details of packages delayed along with reasons have been provided in Form 9A of **Appendix-I**.
- 14) Various factors such as non-availability of aggregate and coarse chips for construction activities due to ban on mining by Govt. of Bihar etc., Socio-economic culture and Law & Order situation was not conducive in surrounding areas thereby leading to Industrial relations problems arising out of extortions, threats etc., Abnormal heavy rainfall during monsoon period delayed major packages, Geological surprises encountered during construction of intake well, local hindrances due to land issues etc. as further elaborated and submitted in amended petition dated 28.06.2019 on COD of Unit-V on 18.02.2016 and COD of Unit-IV on 08.03.2016 had already disrupted the scheduled COD of the station & original schedule of certain balance works. (The relevant pages of the same are being attached again for ready reference of Hon'ble Commission at **Annexure-B**). It is stated that once the original schedule of project was affected, the '**consequent and cascading**' effect of these reasons as mentioned above came heavily upon the schedule of non-COD related balance works. Accordingly, the balance works were displaced from the timeline of completion with respect to the cut-off date. In this regard, it is submitted that Hon'ble APTEL in judgment dated 22.09.2022 in appeal no. 61 of 2020 of petitioner's Station Feroz Gandhi Thermal Power Station Stage-IV has accepted



the fact that delay of any force reasons has consequential delay also. The relevant portion of Judgment is as follows:

*"10. We agree with the appellant that the Commission has failed to appreciate the prevalent circumstances in proper light. The moratorium or embargo imposed against mining of sand etc., as indeed excessive rainfall seen by the region have been treated as force majeure events but it cannot be said that the effect thereof would have impaired the development activities only to the extent for the period for which time overrun has been allowed. The cascading effect of such events cannot be ignored. As was explained before the Commission on the basis of documents and photographs in support, the rainfall and flooding had rendered the overall movement of heavy vehicles virtually impossible. The safety, security and reliability standards obliged the developer not to rush into achieving the COD as that would have put human life and public property to undue risk. In these circumstances, the reasoning given by the Central Commission for denial of the condonation of time overrun to the extent of 157 days does not appeal to us.*

*"14. In contrast, in the case at hand, the Central Commission has allowed only 26 days, earlier envisaged in IA dated 30.07.2013 as the sufficient period prior to COD. We agree that not only in the light of the above norms under Connectivity Regulations, 2009, as explained in 2015 by the Central Commission itself, but also, and particularly in the face of unforeseeable force majeure events which have led to substantial disruption in major activities, the delay of further 157 days (beyond 31.03.2017) also deserves to be condoned."*

In view of the APTEL findings it is prayed that Hon'ble Commission may please consider the consequential delay due to the reasons mentioned above which were beyond the control of petitioner. The majority of the above-mentioned works are non-COD related balance works and are pertaining to Main Plant/Offsite Civil Works, WTP, Fire Fighting system, Ash Handling System, Ventilation, AWRS etc.

- 15) It is submitted that due to the reasons mentioned above, the capitalization of certain additional capitalization schemes also got delayed beyond cut-off date. NTPC has accordingly prayed in the present petition to complete the capitalization under the

original scope of work. Tariff Regulations provide the concept of cut off date to deal with the basis for capital expenditure that should be incurred from the COD of a generating station till a defined period. Since it is not possible that on the COD, all the packages will be completed Hon'ble Commission has provided the concept of cut-off date to give adequate time to the generating companies to capitalize certain works which though necessary for the long-term operation of the generating units, are not mandatory at the time of declaration of COD. However, due to certain uncontrollable circumstances as mentioned in Form 9A, the works which were to be completed by the cut off date spilled over. To take care of such exigencies, this Hon'ble Commission has retained the power to relax under Regulation 76 and the power to remove difficulties under Regulation 77 of the Tariff Regulations 2019 as judicial discretions to be exercised on a case-to-case basis.

- 16) In this regard, the ambit and scope of 'Power to Relax' provisions of delegated legislation have been interpreted by various Courts and the Hon'ble Appellate Tribunal in a catena of cases. It is settled position of law that 'Power to relax' can be invoked if the Regulations in any manner causing hardship to a party. The relevant judgments in this regard are as follows: -:

In Judgement dated 20.09.2012 passed in Appeal No. 189 of 2011 titled Tata Power Company Limited Vs. Jharkhand State Electricity Regulatory Commission & Others. The Hon'ble Tribunal has held as under:

*" 29. The principles relating to the exercise of power of relaxation laid down in the above decisions referred to above are as follows:*

*(a) The Regulation gives judicial discretion to the Commissions to relax norms based on the circumstances of the case. Such a case has to be one of those exceptions to the general rule. There has to be sufficient reason to justify relaxation which has to be exercised only in the exceptional case where nonexercise of the discretion would cause hardship and injustice to a party.*

*(b) If there is a power to relax the regulation, the power must be exercised reasonably and fairly. It cannot be exercised arbitrarily to favour some party and to disfavour some other party.....".*

*Vitendra*

In Judgment dated 24.03.2015 passed by this Hon'ble Tribunal in Appeal No. 55 of 2013- BSES Yamuna Power Limited vs. CERC & Ors. The Hon'ble Tribunal has held as under:

*"18.1. The main contention of the appellants on these issues is that the 'power to remove difficulties' or 'power to relax' has been conferred upon the learned Commission only to remove the trivial defects or peripheral defects and the said powers can only be exercised to the extent necessary to give effect a particular Regulation and such power cannot be exercised when the difficulty arises due to the application of Regulation in Question.*

*18.2. A look at Regulation 12 of 2004 Tariff Regulations makes it clear that this 'power to remove difficulties' can be exercised by the learned Central Commission if any difficulty arises in giving effect to these Regulations and the Commission can make such provision when the difficulty arises due to the application of Regulation in question. Which should not be inconsistent with the said Regulations. Further, the emphasis of the learned counsel for the appellants is on the point that the said power can only be exercised to the extent necessary only for giving effect to a particular Regulation.*

*18.3. We have gone through the judgment of Hon'ble Supreme Court, in Madeva Upendra Sinar Vs. Union of India (supra), in which the Hon'ble Supreme Court held that 'power to remove difficulty' may be exercised when there is a difficulty arising in giving effect to the provisions of the Act and not of any extraneous difficulty. This Appellate Tribunal in the case of NTPC Ltd. Vs. Madhya Pradesh State Electricity Board reported in 2007 ELR (APTEL) 7, held that the power comprised in Regulation 13 of 2004 Tariff Regulations is essentially a 'power to relax'. In case, any Regulation causes hardship to a party or works injustice to him or application thereof leads to unjust result, the Regulation can be relaxed. The exercise of power under Regulation 13 of 2004 Tariff Regulations is minimized by the requirement to record the reasons in writing by the Commission before any provision of the Regulations is relaxed. This Appellate Tribunal in the reported case clearly held that there is no doubt that the Commission has the power to relax any provision of the Regulations. Such power has to be exercised only in exceptional cases and where non-exercise of the discretion would cause hardship and injustice to a party or lead to unjust result. Further, it has to be established by the party seeking exercise of 'power to remove difficulties' or 'power to relax' that the circumstances are not created due to act of omission or commission attributable to the party claiming the relaxation,*

*V. K. Srinivas*

In Judgement dated 21.03.2018 passed in Appeal No. 107 & 117 of 2015 Haryana Power Purchase Centre Vs. Haryana Electricity Regulatory Commission. Hon'ble Tribunal has held as under:

*" 59.3 It is an established fact and also, recognised by the State Commission in their order dated 18.04.2011 that adequate amount for O&M expenses is essential for proper upkeep and maintenance of power plants so far as to drive uninterrupted generation and also optimum efficiency. It is noted that the provision in HRC Regulation, 2008 is only 1 % of the capital cost which works out to a meagre amount and not adequate for proper O&M of the power plant. Though, the relaxation is entirely a discretionary power of the Commission but it is settled law that the discretionary power need to be applied while considering justice and equity without discrimination to any party.*

*59.4 We, therefore, find merit in the claim of Lanco for relaxing the O&M norms as has been done in other cases of generators so as to provide equal treatment. In this regard, we also recall the judgment of this Tribunal (154 of 2012) in regard to exercising of discretionary powers Para 29(b) states as :-*

*"29(b) If there is a power to relax the regulation, the power must be exercised reasonably and fairly. It cannot be exercised arbitrarily to favour some party and to disfavour some other party.*

*59.5 We, therefore, conclude that the State Commission should have taken a judicious view for allowing adequate O&M expenses to Lanco by relaxing the provisions contained in their Regulation No. 33. It is in the interest of justice & equity to maintain parity between the State Generating Companies and private generating companies (Lanco) as far as expenditures on Operation and Maintenance are concerned..."*

Further, the reasons for delay in completing the balance work are not due to the act of omission or commission attributable to NTPC. These factors/reasons were beyond the control of NTPC despite best efforts put up by NTPC.

- 17) The Petitioner further respectfully submits that as per Regulation 35(1)(6) of the Tariff Regulations 2019, the water charges, security expenses and capital spares consumed for thermal generating stations are to be allowed separately. The details in respect of water charges such as type of cooling water system, water consumption, rate of water charges as applicable for 2018-19 have been furnished below. Accordingly, water

charges may be allowed in tariff based on the same for the 2019-24. In accordance with provision of the Regulations, the petitioner is claiming water charges based on the actual expenses for 2019-20 & 2020-21 period along with estimated expenses for the period 2021-24 as provided in Form 3A, the water charges rate are as per Water Resources Dept.,GoB notice dated 03.10.2016 placed at **Annexure-C**. Petitioner shall be furnishing the details of actual for the relevant years at the time of truing up and the same shall be subject to retrospective adjustment.

Description	Remarks
Type of Plant	Thermal Power Plant
Type of cooling water system	Closed Cycle
Consumption of Water	Considering the Total Water Consumption of 36 Cusecs or actual whichever is higher. As per Payment Term, Minimum Payment of 36 Cusecs is to be done if actual withdrawal is less than 36 Cusecs
Rate of Water charges	Rs 18.0 per thousand Gallon

- 18) Similarly, the Petitioner is claiming the security expenses based on the actual expenses for 2019-20 & 2020-21 period along with estimated expenses for the period 2021-22 to 2023-24. In respect of capital spares consumption, it is submitted that the same are claimed based on the actual expenses for 2019-20 & 2020-21 period and shall be claimed at the time of true-up in terms of the proviso to the Regulation 35 (1)(6) based on actual consumption of spares during the period 2021-24.

**Rail Infrastructure & Augmentation Expenditure for Sustained operation of station:**

- 19) It is submitted that coal supply for the NTPC Barh Stage-II, a non-pit head station, is envisaged from captive coal blocks of Chatti Bariatu located in Jharkhand. The development of these captive coal mine of NTPC is taking time due to deallocation of

*Attended*

mines and further due to reallocation procedure by Gol, most of the coal is presently being sourced from CIL mines and Pakri Barwadih which are located in Jharkhand. Coal from the said mines is required to be transported through Indian Railways network from the said mines in Jharkhand to Barh Station in Bihar via Hazaribag-Koderma-(Manpur)-Tilaiya-Karnauti-Bakhtiyarpur-Barh route. Existing rail connectivity infrastructure in this rail corridor is inadequate to meet the fuel requirement of the station on sustained operation as Manpur and Bakhtiyarpur stations are located on very busy sections of Indian Railways i.e. Gaya-Gomoh (Delhi-Howrah Chord Line) and Patna-Kiul (Delhi-Howrah main line) sections respectively.

- 20) It is submitted that about 7-8 rakes of coal is required for sustained operation of Barh Stage-II (2x660 MW) i.e. a total of 14-18 rakes movement on these lines. However only 3-4 rakes per day can be provided at Barh Station through existing stretched Indian Railways network.
- 21) It is submitted that in Barh-II major bottleneck in rake movement is encountered at the two surface crossings at Manpur and Bakhtiyarpur. The surface crossing on a busy section is a time consuming activity as the rail traffic (both goods as well as passenger trains) movement in both direction needs to be halted. Further, as the Manpur-Bakhtiyarpur line is un-electrified rake movement is held up for change of Locos. This takes long time for movement of coal rakes and hence continuous coal supply to the station gets hampered.
- 22) It is submitted that for ensuring sustained coal supply from coal mines in Jharkhand to the Barh Station, creation of new rail infrastructure and augmentation of existing rail network is required for smooth movement of rakes namely:
  - i. Construction of flyovers at Bakhtiyarpur including 3rd line & surface triangle;
  - ii. Construction of Manpur -Tilaiya flyover; and
  - iii. Additional work of electrification of Manpur-Tilaiya- Bakhtiyarpur line.

*Vitendera*

- 23) It is submitted that in the normal course capital expenditure on such works is carried out by the Indian Railways. These projects were in the list of projects to be taken up by Railways. However, Indian Railways prioritizes the execution of its projects as per the availability of funds and other considerations. NTPC pursued with Railways for execution of these projects so that coal supply to Barh is ensured. The priority of above mentioned projects/schemes for Railways was low at that time and implementation of these projects by railways was delayed due to lack of funds which in turn adversely affected coal availability to the Barh Power Station where both units of 660 MW are already under commercial operation.
- 24) The Ministry of Railway / the Railway Board on 10.12.2012 notified a policy on "Participative Models in Rail Connectivity and Capacity Augmentation Projects". As per this policy, capacity augmentation of rail infrastructure can be done with funding provided by the customers. This policy addresses the issue of shortage of funds with the Railways to prioritize and take up projects identified for NTPC power stations. When the infrastructure being developed gets operational, Railways pay upto 7% of the amount invested through freight rebate on freight volume every year till the funds provided by the project beneficiary is recovered with interest at the rate equal to prevailing dividend rate payable by Railways to the Exchequer at the time of signing of agreement.
- 25) The projects by Railways got delayed due to lack of funds which in turn has adversely affected coal availability to the Barh Power Station where 2 units of 660 MW of Stage- II each are under commercial operation. The rail infrastructure, which was in existence was only able to cater supply of around 3-4 rakes of coal of per day against the requirement of 14-18 rakes/day. In its meeting held on 09.01.2013, the petitioner had requested the Railways to supply at least 5 rakes per day for the Barh Project, to which the Railways had replied in the negative, stating that the request of 5 rakes per day could not be met without alternative measures under the scheme. Due to inability of Railways to execute the foresaid schemes on account of funds availability, NTPC has released Rs. 665 Crs (till Unit-V COD i.e. on 18.02.2016) to Railways under Ministry of Railway/Railway Board customer funding model to carry out the above said

infrastructure works so that generation assets of Barh Stage-II are not stranded on account of lack of coal supply. This would address the issue of shortage of funds with the Railways to prioritize and take up the projects identified for NTPC power station.

- 26) Railways have already developed / augmented these infrastructure which are partially ready and are already in use. The projected amount is based on completion of these works in subsequent years. The current status of the work is:
- I. Bakhtiyarpur Surface triangle and 3rd line is in service, Flyover work in advance stage of completion
  - II. The Manpur -Tilaiya Flyover in advance stage of completion, work in progress.
  - III. The electrification work of Manpur-Tilaiya- Bakhtiyarpur line is completed.
- 27) Further, above rail infrastructure works are of mandatory nature requirement to ensure station reliable & sustained operations and to meet daily coal requirement through uninterrupted rake movement. The Tariff Regulations 2019 envisages such situation and provides for servicing of such investments towards railway infrastructure and its augmentation for transportation of coal upto the receiving end of the station. Under the customer funding model as per the Railway Board Policy dated 10.12.2012, the amount advanced by NTPC for funding of rail infrastructure projects shall be accounted as revenue advance and hence would not be reflected in the gross block in NTPC Books. It is therefore prayed that that this investment in rail infrastructure be treated as part of capital cost as and when the said infrastructure works gets operational / put to use.
- 28) Besides facilitating adequate coal transportation required for sustained operation of Barh- II, it is submitted that the prioritized & faster implementation of the required rail infrastructure will avoid further cost escalation (due to delays on a/c of funds shortage) and thereby consequent impact on coal transportation cost is controlled.
- 29) It is submitted that the Rail infrastructure augmentation as per the foresaid schemes is beneficial for both NTPC and beneficiaries as it will improve coal availability and ensure sustained generation in Barh station and this is a bonafide and prudent expenditure



necessary to be incurred for the project. It is reiterated that NTPC had no option other than incurring the said expenditure for participation in the Customer Funding Policy/ Model for meeting its coal requirements.

30) In this regard petitioner had filed a petition, being no. 59/MP/2015, seeking consideration of expenditure incurred, however the same was not allowed by Hon'ble Commission vide order dated 15.02.2016. Petitioner had filed review in Hon'ble CERC, however, Hon'ble Commission has not allowed the review. Further, Petitioner filed an appeal (No. 152 of 2016 ) in Hon'ble ATE against the said order.

31) Hon'ble ATE vide its judgement dated 14.08.2023 in Appeal no. 152 of 2016 filed against impugned CERC order dated 15.02.2016 also acknowledged the fact that the petitioner was in no position to meet its daily requirement of coal prior to participation in the scheme and had no other alternative but to participate in the scheme to ensure adequate supply of coal for its station. The relevant extracts of the judgement are as under:

*" .....While the scheme may, no doubt, have been so worded as to be understood to be voluntary, it is clear from the facts noted herein above that, but for their participation in the said scheme, the Appellant was in no position to meet its daily requirement of coal, for the situation prevailing prior thereto was that the Appellant was receiving less than 1/3 of its minimum coal requirement for the Kudgi project, and less than ¼ of its minimum coal requirement for the Barh Project.*

*We are satisfied, therefore, that the Appellant had no other alternative but to participate in the scheme to ensure adequate supply of coal for its generating stations....."*

*.....Suffice it to make it clear that, since the matter is now being remanded to the CERC, the Order now passed by us shall not disable the Appellant from putting forth their submissions on the applicability of the 2019 Regulations also, and the CERC shall, without being influenced by its earlier orders (the Original Order as well as the Order in Review) or the pleadings placed on their behalf before this Tribunal, examine the matter afresh in accordance with law..."*

32) Therefore, it is prayed that Hon'ble Commission may be pleased to allow the capitalisation of above works as per provision under Regulations 19(3) (e) of Tariff Regulations, 2019 and consider the amount paid to Railways for development of above mentioned rail infrastructure, being mandatory in nature for the sustained & reliable operation of plant in capital cost for Barh Stage-II for its servicing in tariff with liberty to approach Hon'ble Commission at the time of truing up exercise for servicing of the remaining schemes in Barh Stage-II tariff w.e.f period the individual schemes become operational. The amount claimed is based on completion of these works in subsequent years based on cost auditor certificate **(Annexure-D)**. The Current status of work is:

- i) Bakhtiyarpur Surface triangle and 3rd line is in service, Flyover work in advance stage of completion
- ii) The Manpur-Tilaiya Flyover work, in advance stage of completion, work in progress.
- iii) The electrification work of Manpur-Tilaiya- Bakhtiyarpur line completed.

Accordingly, petitioner has claimed the same work under regulation 19(3)(e) i.e., Capital expenditure incurred towards railway infrastructure and its augmentation for transportation of coal upto the receiving end of generating station.

33) It is submitted that Hon'ble Commission has prescribed boiler efficiency and turbine heat rate separately for deriving the unit heat rate where the Unit Heat Rate is not guaranteed by the suppliers. It is submitted that the instant station was envisaged during the period 2004-09 and equipment's including SG and TG specifications for tendering / award was stipulated considering the boiler efficiency and the turbine heat rate prescribed by the Hon'ble Commission in the Tariff Regulations at that time. Based on the same the equipment's were ordered through international competitive bidding. It was not possible for the petitioner to specify the efficiency parameters at the time of finalizing the contracts on the instant station as per the efficiency parameters specified in Tariff Regulations 2019-24 which are more stringent.

In a similar case, Hon'ble Commission in its order dated 20.02.2014 in Petition No. 160/GT/2012 has considered the design parameters for computing Gross Heat Rate of the station with appropriate operating margin and has stated as under:

*"161. As per the guaranteed turbine cycle heat rate of 1945 kCal/kWh and boiler efficiency of 88.5% along with the deviation of 6.5 % as per the 2009 Tariff Regulations, the Gross Heat Rate works out to 2340.59 kcal/kWh. Without the margin of Auxiliary consumption of 6.5%, the Gross Heat Rate works out as 2197.74 kcal/kWh. In light of this, achieving a GSHR of 2220 kcal/kWh as per submission of the respondents 1 to 6 is not possible. Also, the EPC contract was finalized in 2006 and there was no possibility for the petitioner to specify the Station Heat Rate as per the 2009 Tariff Regulations. In view of above, we consider a GSHR of 2340.59 kCal/kWh based on guaranteed turbine cycle heat rate 1945 kCal/kWh and boiler efficiency of 88.5% with a deviation of 6.5 % from the guaranteed design value."*

- 34) Further, if the Petitioner had stipulated more stringent unit heat rate this would have increased the capital cost commensurate to the efficiency parameters sought. The benefit of the lower capital cost due to lower efficiency parameters has already been passed onto the beneficiaries in terms of lower capital cost. If now the boiler efficiency for working out the normative heat rate is considered as 86% instead of the actual design efficiency of 83.7 % the unit heat rate would be worked out to be 2137.21 kcal/kwh and the operating margin available over the design heat rate would be 2.19 % only which is much less than the operating margin of 5% allowed in the Tariff Regulations 2019. Moreover, it is submitted that boiler efficiency is largely a function of coal quality. In view of above submissions, it is prayed that Gross Station Heat rate may be allowed based on guaranteed turbine cycle heat rate of 1838 and boiler efficiency of 83.7% with an operating margin of 5 % from the guaranteed design value. The tariff computation attached at **Appendix-I** is based on considering Station Heat Rate as per design heat rate with applicable operating margin.
- 35) The present petition is filed on the basis of norms specified in the Tariff Regulations 2019. It is submitted that the petitioner is in the process of installing the Emission Control Systems (ECS) in compliance of the Revised Emission Standards as notified by MOEF vide notification dated 07.12.2015 as amended. Completion of these schemes in

compliance of revised emission norms will effect the station APC, Heat Rate, O&M expenses etc. In addition the availability of the unit/ station would be also effected due to shutdown of the units for installation of ECS. The petitioner has filed the details of the same in a separate petition namely Petition No. 183/MP/2020 in terms of Regulation 29 of Tariff Regulations 2019. Hon'ble Commission vide order dated 31.10.2021 has granted in-principle approval of the following hard cost claimed by the Petitioner towards installation of WFGD system.

- 36) It is submitted that Ministry of Environment, Forest and Climate Change ("MoEF&CC") vide its Notification dated 14.09.1999 mandated that every coal or lignite based Thermal Power Plant ("TPP") by the end of Ninth (9) year from the publication of the said Notification should achieve the fly ash utilization of 100%. That, MoEF&CC vide Notification dated 25.01.2016 amended the Notification dated 14.09.1999 and mandated that ash transportation charges will be borne by the TPPs. in the following manner:

"(10) The cost of transportation of ash for road construction projects or for manufacturing of ash based products or use as soil conditioner in agriculture activity within a radius of hundred kilometers from a coal or lignite based thermal power plant shall be borne by such coal or lignite based thermal power plant and the cost of transportation beyond the radius of hundred kilometers and up to three hundred kilometers shall be shared equally between the user and the coal or lignite based thermal power plant.

.....

....

(14) The coal or lignite based thermal power plants shall within a radius of three hundred kilometers bear the entire cost of transportation of ash to the site of road construction projects under Pradhan Mantri Gramin Sadak Yojna and asset creation programmes of the Government involving construction of buildings, road, dams and embankments".

That on 05.11.2018, this Hon'ble Commission passed an Order in Petition No. 172/MP/2016 and recognized the Notification dated 25.01.2016 as a Change in Law event and admitted the claims that is amount spent over and above ash sale fund on account of ash transportation.

- 37) It is submitted that the Petitioner filed Petition No. 205/MP/2021 before this Hon'ble Commission seeking recovery of the ash transportation charges for its stations including Barh STPS. On 28.10.2022, Hon'ble Commission passed an order allowing the claim of the petitioner for fly ash transportation expenditure for the period 2019-22 after prudence check and also the recovery of ash transportation charges, under change in law for the balance period (2022-24) on monthly basis from the beneficiaries in the following manner:

*" 43. ....Petitioner is entitled for recovery of fly ash transportation charges, under change in law, as additional O&M expenses, we permit the provisional billing at 90% of the fly ash transportation charges incurred by the Petitioner, in respect of its generating stations, for the balance period (i.e. 2022-24), on a monthly basis, based on self -certification, and the beneficiaries shall pay the same accordingly. This is, however, subject to prudence check of the claims, at the time of truing-up of tariff for the period 2019-24...."*

Accordingly, same shall be billed to beneficiaries on monthly basis as per directions of Hon'ble Commission in above order for the station.

- 38) It is also submitted that Hon'ble CERC vide its order dated 28.10.2022 in 205/MP/2021 has held that the additional expenditure incurred by the Petitioner towards fly ash transportation cost for the period 2019-24 in terms of the MOEF&CC notifications dated 25.1.2016 and 31.12.2021, is admissible as additional O&M expenses. The relevant extracts of the order as stated are as follows:

*"25.....the Petitioner is entitled to seek additional cost towards fly ash transportation charges during the period 2019-24, in terms of compliance to MOEF&CC Notification dated 25.1.2016 and as a change in law in terms of the MOEF&CC Notification dated 31.12.2021"*

*"29. Accordingly, we, in exercise of the regulatory power under section 79(1)(a) of the Act, hold that the additional expenditure incurred by the Petitioner towards fly ash transportation cost for the period 2019-24, is admissible as additional*

*O&M expenses, as the same is in terms of the MOEF&CC notifications dated 25.1.2016 and 31.12.2021, as stated in para 25 above".*

*"49.....the recovery of additional expenditure incurred towards fly ash transportation, in terms of the MOEF&CC notifications dated 25.1.2016 and 31.12.2021, and once the principle, that the said expenditure is 'admissible' as additional O&M expenses has been decided, the Petitioner is entitled to recover the same from the beneficiaries."*

**Zero Liquid Discharge (ZLD) System:**

- 39) It is submitted that the BSPCB mandates to comply to Zero Liquid Discharge and provides the requisite consent to Petitioner for operation of the Barh-II in view of fulfilment of certain requirements as per the Water (Prevention and Control of Pollution) Act, 1974. BSPCB in the CO letter dated 20.09.2018 for U#5 and 12.03.2019 for U#4, had directed the Petitioner to ensure zero leakage discharge from the generating station, attached herewith at **Annexure-E**.
- 40) In a similar cases, Hon'ble Commission in its order dated 08.01.2022 in Petition No. 408/GT/2020 has considered the additional capital expenditure incurred in order to ensure compliance with directions of SPCB and has stated as under:

*"32. It is observed from the above that the Petitioner, in order to ensure compliance with the directions of JSPCB (Jharkhand State Pollution Control Board) and in order to reduce the make-up water consumption, had taken up the installation of RO system and had obtained Board's approval for the expenditure in 2013, but capitalized the expenditure in 2015-16. In view of the clarification and considering the fact that the additional capital expenditure incurred is within the approved limit of Rs.8400 lakh allowed vide order dated 26.12.2017 in Petition No. 152/GT/2015, the claim of the Petitioner for Rs.8147.73 lakh [Rs.7798.20 +349.53 lakh (IDC)] in 2015-16 and Rs.57.38 lakh in 2017-18 is allowed under Regulation 14(3)(ii) of the 2014Tariff Regulations. Also, the negative adjustment of (-) Rs 28.04 lakh for RO system in 2016-17, which is in respect of the expenditure claimed for this asset in 2015-16, is also considered and allowed for the purpose of tariff."*

Further, Hon'ble Commission in its order dated 27.09.2022 in Petition No. 396/GT/2020 has considered the additional capital expenditure incurred and stated as under:

*"26. It is observed that the CECB in its letter has mandated the generating station to ensure that the effluents are utilized within the premises of the plant, and also to ensure that no effluents are discharged out from the Plant premises. In view of this, the projected Order in Petition No. 396/GT/2020 Page 14 of 49 additional capital expenditure of Rs. 40.00 lakh claimed towards Zero Liquid Discharge system is allowed under Regulation 26(1)(b) of the 2019 Tariff Regulations"*

Accordingly, Hon'ble Commission may be pleased to allow the Petitioner's additional capital expenditure of ZLD system installation on projection basis for the instant station to comply with directions of SPCB and achieve the mandate of statutory rules that comes under clause 26(1)(b) "Change in law or compliance of any existing law" of the said regulations and to exercise the Power to Relax under the Regulation 76 of Tariff Regulations 2019.

**Installation of Energy Efficient LED Lighting Fixtures:**

- 41) It is submitted that in instant station works towards energy efficient LED electrification has been claimed in terms of the letter dated 02.08.2017 issued by the Ministry of Power ('MoP'), Government of India ('Gol'). Petitioner has claimed this expenditure as an additional capitalization as a 'change in law' under Regulation 26(1) (b) along with Reg 76 of the Tariff Regulations, 2019. A copy of the letter dated 02.08.2017 issued by the MoP, Gol is attached hereto and marked as **Annexure F**
- 42) The letter dated 02.08.2017 issued by the MoP has the force of law and is not a mere option to be either followed or not followed by NTPC. The letter clearly states that the issue was deliberated in the infrastructure review meeting held by the Hon'ble Prime Minister on 17.09.2016 wherein a mandate to use LED lights in all lighting projects funded by the Government was decided. In the subsequent review meeting held on 21.07.2017 by Hon'ble Prime Minister, it was decided that full replacement should be

achieved in the Government buildings by 15.08.2017. In light of the above decisions, the MoP directed the Petitioner to take action to ensure that all old bulbs are replaced with LED lights by 15.08.2017 in all the buildings (including compound/street lighting) occupied by the Petitioner. The Ministry of Power also stated that the action should be taken and reported to the MoP on priority basis.

- 43) Such a letter of the MoP has the force of law since it can be traced back to the power exercised by the Central Government to enforce efficient use of energy and its conservation under Section 14 of the Energy Conservation Act, 2001 which reads as under-

"Section 14. Power of Central Government to enforce efficient use of energy and its conservation. —

The Central Government may, by notification, in consultation with the Bureau,—

- (a) specify the norms for processes and energy consumption standards for any equipment, appliance which consumes, generates, transmits or supplies energy;
- (b) specify equipment or appliance or class of equipments or appliances, as the case may be, for the purposes of this Act;
- (c) prohibit manufacture or sale or purchase or import of equipment or appliance specified under clause (b), unless such equipment or appliance conforms to energy consumption standards:

[Provided that no notification prohibiting manufacture or sale or purchase or import of equipment or appliance shall be issued within a period of six months from the date of notification issued under clause (a) of this section:

Provided further that the Central Government may, having regard to the market share and the technological development having impact on equipment or appliance, and for reasons to be recorded in writing, extend the said period of six months referred to in the first proviso by a further period not exceeding six months;]

- (d) direct display of such particulars on label on equipment or on appliance specified under clause (b) and in such manner as may be specified by regulations;
- (e) specify, having regard to the intensity or quantity of energy consumed and the amount of investment required for switching over to energy efficient



equipments and capacity of industry to invest in it and availability of the energy efficient machinery and equipment required by the industry,

[any user or class of users of energy in the energy intensive industries and other establishments as specified in the Schedule as a designated consumer] for the purposes of this Act;

(f) alter the list of Energy Intensive Industries specified in the Schedule;

(g) establish and prescribe such energy consumption norms and standards for designated consumers as it may consider necessary;

Provided that the Central Government may prescribe different norms and standards for different designated consumers having regard to such factors as may be prescribed;

(h) direct, having regard to quantity of energy consumed or the norms and standards of energy consumption specified under clause (a), the Energy Intensive Industries specified in the Schedule to get energy audit conducted by an accredited energy auditor in such manner and intervals of time as may be specified by regulations;

(i) direct, if considered necessary for efficient use of energy and its conservation, any designated consumer to get energy audit conducted by an accredited energy auditor;

(j) specify the matters to be included for the purposes of inspection under sub-section (2) of section 17;

(k) direct any designated consumer to furnish to the designated agency, in such form and manner and within such period, as may be prescribed, the information with regard to the energy consumed and action taken on the recommendation of the accredited energy auditor;

(l) direct any designated consumer to designate or appoint energy manager in charge of activities for efficient use of energy and its conservation and submit a report, in the form and manner as may be prescribed, on the status of energy consumption at the end of every financial year to the designated agency;

(m) prescribe minimum qualification for 1 [energy auditors and energy managers] to be designated or appointed under clause (l);

(n) direct every designated consumer to comply with energy consumption norms and standards;

(o) direct any designated consumer, who does not fulfil the energy consumption norms and standards prescribed under clause

*Vijender*

(g), to prepare a scheme for efficient use of energy and its conservation and implement such scheme keeping in view the economic viability of the investment in

[such form, the time within which and the manner] as may be prescribed;

(p) prescribe energy conservation building codes for efficient use of energy and its conservation in the building or building complex;

(q) amend the energy conservation building codes to suit the regional and local climatic conditions;

(r) direct every owner or occupier of the building or building complex, being a designated consumer to comply with the provisions of energy conservation building codes for efficient use of energy and its conservation;

(s) direct, any designated consumer referred to in clause (r), if considered necessary, for efficient use of energy and its conservation in his building to get energy audit conducted in respect of such building by an accredited energy auditor in such manner and intervals of time as may be specified by regulations;

(t) take all measures necessary to create awareness and disseminate information for efficient use of energy and its conservation;

(u) arrange and organise training of personnel and specialists in the techniques for efficient use of energy and its conservation;

(v) take steps to encourage preferential treatment for use of energy efficient equipment or appliances:

Provided that the powers under clauses (p) to (s) shall be exercised in consultation with the concerned State."

- 44) The other relevant provisions of the Energy Conservation Act, 2001 are also being quoted hereunder-

Section 3 – Establishment and incorporation of Bureau of Energy Efficiency—

(1) With effect from such date as the Central Government may, by notification, appoint, there shall be established, for the purposes of this Act, a Bureau to be called the Bureau of Energy Efficiency.

(2) The Bureau shall be a body corporate by the name aforesaid having perpetual succession and a common seal, with power subject to the provisions of this Act, to acquire, hold and dispose of property, both movable and immovable, and to contract, and shall, by the said name, sue or be sued.

(3) The head office of the Bureau shall be at Delhi.

(4) The Bureau may establish offices at other places in India.  
The Bureau, been defined under Section 3 of the Act as the Bureau, of Energy Efficiency being headed by the Minister in Charge of Ministry of Power.

A copy of the Energy Conservation Act, 2001 is attached hereto and marked as **Annexure G.**

- 45) Further as per the Electricity Act, 2003, also the Central Government is the Appropriate Government for the Generating Company either wholly or partially owned by it. Section 5 of the Electricity Act, 2003, states that Central Government would be the Appropriate Government in relation to a generating company wholly or partly owned by it. The relevant Sections of the Electricity Act, 2003-

Section 5- "Appropriate Government" means, -

(a) the Central Government, -

(i) in respect of a generating company wholly or partly owned by it;

(ii) in relation to any inter-State generation, transmission, trading or supply of electricity and with respect to any mines, oil-fields, railways, national highways, airports, telegraphs, broadcasting stations and any works of defence, dockyard, nuclear power installations;

(iii) in respect of National Load Despatch Centre; and Regional Load Despatch Centre;

(iv) in relation to any works or electric installation belonging to it or under its control ;

In view of the above provisions, the Appropriate Government in the case of NTPC means the Central Government because NTPC is wholly owned by the Government of India.

- 46) It is a well settled principle of law that the delegated legislation or any executive order made by any statutory authority under a statute would also be considered as law. In this

regard, in *Kusum Ingots & Alloys v. Union of India* [(2004) 6 SCC 254] the Hon'ble Supreme Court has held that the executive instructions even devoid of statutory backing would also be considered as law. The relevant portion of the Judgement is quoted below -

*"In fact, a legislation, it is trite, is not confined to a statute enacted by the Parliament or Legislature of a State, which would include delegated legislation and subordinate legislation or an executive order made by the Union of India, State or any other statutory authority. In a case where the field is not covered by any statutory rule, executive instruction issued in this behalf shall also come within the purview thereof."*

- 47) The Hon'ble Supreme Court in the case of *Jayantilal Amrit Lal Shodhan vs F.N. Rana And Others* 1964 AIR 648, 1964 SCR (5) 294 has held that when a general order issued by an executive authority as per a Statutory backing then such an Order should be regarded as having "force of law". The relevant Para of the Judgement is quoted below-

.....  
*"This is not to say that every order issued by an executive authority has the force of law. If the order is purely administrative, or is not issued in exercise of any statutory authority it may not have the force of law. But where a general order is issued even by an executive authority which confers power exercisable under a statute, and which thereby in substance modifies or adds to the statute, such conferment of powers must be regarded as having the force of law."*

- 48) The only technicality is that the letter dated 02.08.2017 may not refer to Section 14 of the Energy Conservation Act, 2001. But it is equally well settled that when the statute book provides for a particular jurisdiction to an authority even if the specific provision is not referred to, the exercise of such authority can be traced back to the said provision and will be held as valid.

- 49) The Hon'ble Supreme Court in "*Energy Watchdog v. CERC &Ors.*" [(2017) 14 SCC 80], held that:

*"policy documents such as the Tariff Policy dated 28.01.2016 issued under Section 3 of the Electricity Act and the letter dated 31.07.2013 issued by Ministry of Power are statutory documents having force of law and any change / amendment introduced by way of such document amounts to Change in Law."*

- 50) The Hon'ble Supreme Court in "GMR Warora Energy Limited v. CERC & Ors." [C.A 11095 of 2018], held that notifications/Circulars etc. from Governmental instrumentalities is a Change in Law. The relevant Para of the Judgement is quoted below:

*"98. As discussed herein above, the term 'Law' would also include all applicable rules, regulations, orders, Notifications issued by an Indian Governmental Instrumentality.*

*99. It would thus be clear that all such additional charges which are payable on account of orders, directions, Notifications, Regulations, etc., issued by the instrumentalities of the State, after the cut-off date, will have to be considered to be 'Change in Law' events. The Generators would be entitled to compensation on the restitutionary principle on such changes occurring after the cut-off date."*

- 51) It is reiterated that NTPC does not have an option not to follow the letter dated 02.08.2017 issued by the MoP and therefore, the same would be binding and has the force of law, in so far as NTPC is concerned. The very intention of Regulation 26(1) (b) of the Tariff Regulations, 2019, is to ensure that triung up of the generating station be done based on 'change in law' as an uncontrollable parameter. The test, therefore, to be applied is whether NTPC has an option to treat the letter dated 02.08.2017 as a mere recommendation or had to comply with the same. The MoP has clearly directed NTPC to take action and report the same on a priority basis and also treated all building occupied by NTPC as a Government building. This letter, therefore, is an executive instruction which would be considered as law.
- 52) There is another executive order of the Ministry of Finance dated 01.12.2017, which has been issued to all other ministries in order to ensure that the funding for replacing the existing lights with LED within the various ministries should be streamlined and done on immediate basis, on the same lines as the letter dated 02.08.2017 issued by the MoP to NTPC. A copy of the letter dated 01.12.2017 of Ministry of Finance is attached hereto and marked as **Annexure H**.

- 53) A perusal of this instruction also shows that the letters issued by the various ministries including the MoP letter dated 02.08.2017 are under the National LED Programme launched by the Hon'ble Prime Minister and would amount to an executive order to implement such programme and thus having statutory force. In view of above, the petitioner has carried out capex nature works by installing LED lighting fixtures by replacing the existing ones. Therefore, it is prayed that the additional capitalization on the implementation of the LED replacement needs to be permitted by this Hon'ble Commission.

#### **Rooftop Solar System**

- 54) It is submitted that works towards Rooftop Solar System has been claimed as an additional capitalization as a 'change in law' under Regulation 26(1) (b) along with Reg 76 of the Tariff Regulations, 2019. The petitioner has undertaken these works in accordance with the Policy framework of the Government of India which envisages achieving 175 GW of renewable energy by the end of the year 2022 and 500 GW by end of 2030 and as the measure of energy conservation. Further, the petitioner has supported the shift towards renewable energy by installing rooftop solar photovoltaic unit at its station.
- 55) Hon'ble Commission vide order dated 13.07.2020 in petition no. 270/GT/2019 of SUGEN Power Plant (1147.5 MW) in matter of M/s Torrent Power Ltd. vs MPPMCL & Others has approved the tariff for the period from 1.4.2014 to 31.3.2019 after truing-up exercise. Relevant portion of the order is attached as **Annexure-I**. At para no 23 of the order, Hon'ble Commission is pleased to allow 'installation of Solar Power Roof Top System' and has observed as below :

Quote

23. ....*Considering the resolve of the Central Government to promote renewable energy and in terms of Regulation 8(6) of the 2014 Tariff Regulations which provide for sharing of gains in respect of variation of Auxiliary Energy*

*consumption (by way of lower ECR because of lower auxiliary consumption in comparison to normative auxiliary consumption), we allow the additional capital expenditure of Rs.35 lakh incurred by the Petitioner towards the installation of Solar Power Roof Top System.*

Unquote

- 56) The Hon'ble Supreme Court in "GMR Warora Energy Limited v. CERC & Ors." [C.A 11095 of 2018], held that notifications/Circulars etc. from Governmental instrumentalities is a Change in Law. The relevant Para of the Judgement is quoted below:

*"98. As discussed herein above, the term 'Law' would also include all applicable rules, regulations, orders, Notifications issued by an Indian Governmental Instrumentality.*

*99. It would thus be clear that all such additional charges which are payable on account of orders, directions, Notifications, Regulations, etc., issued by the instrumentalities of the State, after the cut-off date, will have to be considered to be 'Change in Law' events. The Generators would be entitled to compensation on the restitutionary principle on such changes occurring after the cut-off date."*

- 57) It is further submitted that the said installation of Rooftop Solar System would reduce energy consumption of the station and help in reducing APC of station, same would benefit the beneficiaries. Further, it would reduce greenhouse gases and thereby reduce emissions. Therefore, it is prayed that the additional capitalization on Installation of Roof Top Solar System needs to be permitted by this Hon'ble Commission.
- 58) The taxes, duties, SLDC /RLDC charges, service tax etc. levied by the various authorities on Petitioner in accordance with law shall be billed to beneficiaries additionally.
- 59) It is submitted that the Petitioner has already paid the requisite filing fee vide UTR No. CMS 1106438370 on 22.04.2019 for the year 2019-20, UTR No. SBHY614058039947, SBHY14115305943, SBHYR52015042901463074 for the year 2020-21, UTR No. CMS1922766773 on 27.04.2021 for the year 2021-22, SBI e-Pay Order no. CHJ42984106 on 29.04.2022 for the year 2022-23 and id d55966ab7cd5742e1cfa on

26.04.2023 for the year 2023-24 , the details of the same have been duly furnished to the Hon'ble Commission. and paid as per the provisions of the CERC (Payment of Fees) Regulations, 2012 as amended. Further Regulation 70 (1) of Tariff Regulations 2019 provides that the application fee and publication expenses may be allowed to be recovered directly from the beneficiaries at the discretion of the Hon'ble Commission. Accordingly, it is prayed that Hon'ble Commission may be pleased to allow recover filing fee and publication fee directly from the beneficiaries.

- 60) The petitioner has accordingly calculated the tariff for 2019-24 period based on the above and the same is enclosed as Appendix-I to this petition.
- 61) It is submitted the Petitioner has served the copy of the Petition on to the Respondents mentioned herein above and has posted the Petition on the company website i.e. [www.ntpc.co.in](http://www.ntpc.co.in)
- 62) It is submitted that the petitioner is filing this tariff petition subject to the outcome of its various appeals/ petitions pending before different courts. Besides, the petitions filed by NTPC for determination of capital base as on 31.3.2019 through true-up exercise are pending before the Hon'ble Commission and would take some time. The Petitioner, therefore, reserves its right to amend the tariff petition as per the outcome in such appeals/ petitions, if required.

### **Prayers**

In the light of the above submissions, the Petitioner, therefore, prays that the Hon'ble Commission may be pleased to:

- i) Approve tariff of Barh Super Thermal Power Station -II for the tariff period 01.04.2019 to 31.03.2024
- ii) Allow relaxation in Heat Rate.

*Attended*



- iii) Allow Capital expenditure towards Railway Infrastructure.
- iv) Allow the recovery of filing fees as & when paid to the Hon'ble Commission and publication expenses from the beneficiaries.
- v) Allow billing and recovery of levies, taxes, duties, SLDC/RLDC charges, service tax etc. levied by the various authorities on Petitioner in accordance with law additionally from the beneficiaries.
- vi) Pass any other order as it may deem fit in the circumstances mentioned above.

*Vitendra*

**Petitioner**

**Noida**

Date: 28.12.2023

**BEFORE THE CENTRAL ELECTRICITY REGULATORY COMMISSION,  
NEW DELHI**

**PETITION NO. ....**

**IN THE MATTER OF:** Petition Under Section 62 and 79 (1) (a) of the Electricity Act, 2003 read with Chapter-V of the Central Electricity Regulatory Commission (Conduct of Business) Regulations, 1999 and Chapter-3, Regulation-9 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 for approval of tariff of **Barh Super Thermal Power Station Stage-II (1320 MW) for the period from 01.04.2019 to 31.03.2024.**

**AND**

**IN THE MATTER OF:**

Petitioner : NTPC Limited  
NTPC Bhawan, Core-7  
Scope Complex 7  
Institutional Area, Lodhi Road  
New Delhi-110003

Respondents:

1. North Bihar Power Distribution Company Ltd (NBPDCCL)  
Vidyut Bhawan, Bailey Road  
Patna- 800021

..... and Others

*Vitendra*

## AFFIDAVIT

I, Vijendra Singh, S/o Ganpat Singh, aged about 43 years, working as Deputy General Manager (Commercial) at M/s NTPC Limited, having office at 7<sup>th</sup> floor, EOC. Sector-24, Noida-201301 do hereby solemnly affirm and state as under:

1. That I am the Authorized Signatory of the Petitioner Company and am competent to swear the present affidavit.
2. That I have read the contents of the accompanying amended petition/additional submission and have understood the contents of the same.
3. That the contents of the accompanying amended petition/additional submission being filed by NTPC are based on information available with the Petitioner in the normal course of business and believed by the deponent to be true .

*Vijendra*  
**DEPONENT**

विजेन्द्र सिंह / VIJENDRA SINGH  
उप महाप्रबन्धक (वाणिज्यिक)  
Dy. General Manager (Commercial)  
एन टी सी लिमिटेड / NTPC Limited  
EOC A-8A, Sector-24, Noida-201301 (U.P.)

## VERIFICATION

I, the deponent above-named, do hereby verify the contents of the above affidavit to be true to the best of my knowledge, no part of it is false and nothing material has been concealed therefrom.

Verified at Noida on this 28<sup>th</sup> day of December 2023.



**ATTESTED**  
*Vijendra*  
**VIJENDRA SINGH**  
NOTARY NOIDA  
G. B. NAGAR (U.P.) INDIA

*Vijendra*  
**DEPONENT**

विजेन्द्र सिंह / VIJENDRA SINGH  
उप महाप्रबन्धक (वाणिज्यिक)  
Dy. General Manager (Commercial)  
एन टी सी लिमिटेड / NTPC Limited  
EOC A-8A, Sector-24, Noida-201301 (U.P.)

**28 DEC 2023**

**TARIFF FILING FORMS (THERMAL)**

**FOR DETERMINATION OF TARIFF**

**FOR**

**Barh Super Thermal Power Station Stage-II**

**(From 01.04.2019 to 31.03.2024)**

**PART-I**

**ANNEXURE-I**

**Checklist of Main Tariff Forms and other information for tariff filing for Thermal Stations**

Form No.	Title of Tariff Filing Forms (Thermal)	Tick
FORM- 1	Summary of Tariff	✓
FORM -1 (I)	Statement showing claimed capital cost	✓
FORM -1 (II)	Statement showing Return on Equity	✓
FORM-2	Plant Characteristics	✓
FORM-3	Normative parameters considered for tariff computations	✓
FORM-3A**	Statement showing O&M Expenses	NA
FORM-3B**	Statement of Special Allowance	NA
FORM- 4	Details of Foreign loans	NA
FORM- 4A	Details of Foreign Equity	✓
FORM-5	Abstract of Admitted Capital Cost for the existing Projects	✓
FORM-5A**	Abstract of Claimed Capital Cost for the existing Projects	NA
FORM- 6	Financial Package upto COD	✓
FORM- 7	Details of Project Specific Loans	✓
FORM- 8	Details of Allocation of corporate loans to various projects	✓
FORM-9A**	Summary of Statement of Additional Capitalisation claimed during the period	✓
FORM-9 ##	Statement of Additional Capitalisation after COD	✓
FORM- 10	Financing of Additional Capitalisation	✓
FORM- 11	Calculation of Depreciation on original project cost	✓
FORM- 12	Statement of Depreciation	✓
FORM- 13	Calculation of Weighted Average Rate of Interest on Actual Loans	✓
FORM- 14	Draw Down Schedule for Calculation of IDC & Financing Charges	✓
FORM- 15 ##	Details of Fuel for Computation of Energy Charges	✓
FORM- 15A##	Details of Secondary Fuel for Computation of Energy Charges	✓
FORM- 15B	Computation of Energy Charges	NA
FORM- 16	Details of Limestone for Computation of Energy Charge Rate	✓
FORM-17##	Details of Capital Spares	✓
FORM- 18	Non-Tariff Income	✓
FORM-19	Details of Water Charges	✓
FORM-20	Details of Statutory Charges	✓

## Provided yearwise for the period 2019-24

PART-I

**List of Supporting Forms / documents for tariff filing for Thermal Stations**

Form No.	Title of Tariff Filing Forms (Thermal)	Tick
FORM-A	Abstract of Capital Cost Estimates	NA
FORM-B	Break-up of Capital Cost for Coal/Lignite based projects	NA
FORM-C	Break-up of Capital Cost for Gas/Liquid fuel based Projects	NA
FORM-D	Break-up of Construction/Supply/Service packages	NA
FORM-E	Details of variables , parameters , optional package etc. for New Project	NA
FORM-F	Details of cost over run	NA
FORM-G	Details of time over run	NA
FORM -H	Statement of Additional Capitalisation during end of the useful life	✓
FORM -I	Details of Assets De-capitalised during the period	✓
FORM -J	Reconciliation of Capitalisation claimed vis-à-vis books of accounts	✓
FORM -K	Statement showing details of items/assets/works claimed under Exclusions	✓
FORM-L	Statement of Capital cost	✓
FORM-M	Statement of Capital Woks in Progress	✓
FORM-N	Calculation of Interest on Normative Loan	✓
FORM-O	Calculation of Interest on Working Capital	✓
FORM-P	Incidental Expenditure up to SCOD and up to Actual COD	NA
FORM-Q	Expenditure under different packages up to SCOD and up to Actual COD	NA
FORM-R	Actual cash expenditure	✓
FORM-S	Statement of Liability flow	✓
FORM-T	Summary of issues involved in the petition	✓

\*\* Additional Forms

\*\*\* Shall be provided at the time of true up

*Nikender*

## Summary of Tariff

Name of the Petitioner: NTPC Limited  
 Name of the Generating Station: Barh Super Thermal Power Station Stage-II  
 Place (Region/District/State): Eastern Region/ Barh /Bihar

Amount in Rs. Lakhs

S. No.	Particulars	Unit	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7	8	9
1.1	Depreciation	Rs Lakh	49,298.02	49,975.94	50,594.97	51,829.87	52,924.38	53,652.46
1.2	Interest on Loan	Rs Lakh	39,394.30	32,354.70	27,561.07	24,190.55	21,378.18	18,587.70
1.3	Return on Equity	Rs Lakh	56,629.35	54,680.79	55,350.30	56,701.27	57,898.66	58,695.16
1.4	Interest on Working Capital	Rs Lakh	15,003.49	9,988.81	10,697.80	10,153.02	10,166.96	11,666.86
1.5	O&M Expenses	Rs Lakh	30,198.23	34650.09	33915.06	33656.20	34136.30	35182.83
1.6	Special Allowance (If applicable)	Rs Lakh	0.00	0.00	0.00	0.00	0.00	0.00
1.7	Compensation Allowance (If applicable – relevant for column 4 only)	Rs. Lakh	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	Rs Lakh	190523.39	181650.33	178119.20	176530.92	176504.48	177785.01
2.1	Landed Fuel Cost (coal/gas/RLNG/ liquid) as per FSA approved by beneficiaries	Rs/Ton		3298.29	3691.53	3643.61	3643.61	3643.61
	(%) of Fuel Quantity	(%)		100.00	100.00	100.00	100.00	100.00
2.2	Landed Fuel Cost Imported Coal as per FSA approved by beneficiaries					Nil		
	(%) of Fuel Quantity					0.00		
2.3	Landed Fuel Cost ( coal/gas /RLNG/liquid) other than FSA	Rs/Ton				NA		
	(%) of Fuel Quantity	(%)						
2.4	Landed Fuel Cost Imported Coal other than FSA.					NA		
	(%) of Fuel Quantity							
2.5	Secondary fuel oil cost	Rs/Unit		0.026	0.027	0.024	0.024	0.024
	Energy Charge Rate ex-bus (Paise/kWh) 2A, 2B, 2C, 2D	Rs/Unit		2.113	2.645	2.724	2.724	2.724

*Vikendra*  
(Petitioner)

Name of the Petitioner: NTPC Limited  
Name of the Generating Station: Barb Super Thermal Power Station Stage-II

Amount in Rs. Lakhs

**Statement showing claimed capital cost – (A+B)**

S. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7
1	Opening Capital Cost	9,61,303.26	9,79,590.09	9,85,067.78	10,27,542.78	10,27,568.78
2	Add: Addition during the year/period	6,030.39	2,507.88	42,475.00	26.00	28,246.00
3	Less: De-capitalisation during the year/period	-1,769.71	-549.87	-	-	-
4	Less: Reversal during the year / period	-	-	-	-	-
5	Add: Discharges during the year/ period	14,026.15	3,519.68	-	-	-
6	Closing Capital Cost	9,79,590.09	9,85,067.78	10,27,542.78	10,27,568.78	10,55,814.78
7	Average Capital Cost	9,70,446.67	9,82,328.93	10,06,305.28	10,27,555.78	10,41,691.78

**Statement showing claimed capital cost eligible for RoE at normal rate (A)**

S. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7
1	Opening Capital Cost	961303.26	979590.09	985067.78	1027542.78	1027568.78
2	Add: Addition during the year / period	6030.39	2507.88	42475.00	26.00	28246.00
3	Less: De-capitalisation during the year / period	-1769.71	-549.87	0.00	0.00	0.00
4	Less: Reversal during the year / period	0.00	0.00	0.00	0.00	0.00
5	Add: Discharges during the year / period	14026.15	3519.68	0.00	0.00	0.00
6	Closing Capital Cost	979590.09	985067.78	1027542.78	1027568.78	1055814.78
7	Average Capital Cost	970446.67	982328.93	1006305.28	1027555.78	1041691.78

**Statement showing claimed capital cost eligible for RoE at weighted average rate of interest  
on actual loan portfolio (B)**

S. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7
1	Opening Capital Cost	0.00	0.00	0.00	0.00	0.00
2	Add: Addition during the year / period	0.00	0.00	0.00	0.00	0.00
3	Less: De-capitalisation during the year / period	0.00	0.00	0.00	0.00	0.00
4	Less: Reversal during the year / period	0.00	0.00	0.00	0.00	0.00
5	Add: Discharges during the year / period	0.00	0.00	0.00	0.00	0.00
6	Closing Capital Cost	0.00	0.00	0.00	0.00	0.00
7	Average Capital Cost	0.00	0.00	0.00	0.00	0.00

*Vishudha*  
(Petitioner)

Name of the Petitioner:

NTPC Limited

Name of the Generating Station:

Barh Super Thermal Power Station Stage-II

**Statement showing Return on Equity at Normal Rate**

Amount in Rs. Lakhs

S. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7
	<b>Return on Equity</b>					
1	Gross Opening Equity (Normal)	2,88,390.96	2,93,877.01	2,95,520.32	3,08,262.82	3,08,270.62
2	Less: Adjustment in Opening Equity	-	-	-	-	-
3	Adjustment during the year	-	-	-	-	-
4	Net Opening Equity (Normal)	2,88,390.96	2,93,877.01	2,95,520.32	3,08,262.82	3,08,270.62
5	Add: Increase in equity due to addition during the year / period	1809.12	752.37	12742.50	7.80	8473.80
7	Less: Decrease due to De-capitalisation during the year / period	-530.91	-164.96	0.00	0.00	0.00
8	Less: Decrease due to reversal during the year / period	0.00	0.00	0.00	0.00	0.00
9	Add: Increase due to discharges during the year / period	4207.84	1055.90	0.00	0.00	0.00
10	Net closing Equity (Normal)	2,93,877.01	2,95,520.32	3,08,262.82	3,08,270.62	3,16,744.42
11	Average Equity (Normal)	2,91,133.99	2,94,698.66	3,01,891.57	3,08,266.72	3,12,507.52
12	Rate of ROE (%)*	18.782	18.782	18.782	18.782	18.782
13	Total ROE	54,680.79	55,350.30	56,701.27	57,898.66	58,695.16

\*Rate of ROE w.r.t ramp rate provision shall be provided at the time of final truing up

*(Signature)*

(Petitioner)



Name of the Petitioner:

NTPC Limited

Name of the Generating Station:

Barh Super Thermal Power Station Stage-II

**Statement showing Return on Equity at weighted average rate of interest**


Amount in Rs. Lakhs

S. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7
<b>Return on Equity (beyond the original scope of work excluding additional capitalization due to Change in Law)</b>						
1	Gross Opening Equity (Loan rate)	0.00	0.00	0.00	0.00	0.00
2	Less: Adjustment in Opening Equity	0.00	0.00	0.00	0.00	0.00
3	Adjustment during the year	0.00	0.00	0.00	0.00	0.00
4	Net Opening Equity (Loan rate)	0.00	0.00	0.00	0.00	0.00
5	Add: Increase in equity due to addition during the year / period	0.00	0.00	0.00	0.00	0.00
7	Less: Decrease due to De-capitalisation during the year / period	0.00	0.00	0.00	0.00	0.00
8	Less: Decrease due to reversal during the year / period	0.00	0.00	0.00	0.00	0.00
9	Add: Increase due to discharges during the year / period	0.00	0.00	0.00	0.00	0.00
10	Net closing Equity (Loan rate)	0.00	0.00	0.00	0.00	0.00
11	Average Equity (Loan rate)	0.00	0.00	0.00	0.00	0.00
12	Rate of ROE (%)	7.761	7.207	6.832	6.616	6.469
13	Total ROE	0.00	0.00	0.00	0.00	0.00

*V. S. S. S.*

(Petitioner)

## Plant Characteristics

Name of the Petitioner :		NTPC Ltd	
Name of the Generating Station :		Barh STPS Stage - II ( 2X660 MW)	
<b>Unit(s)/ Block(s) Parameters</b>		<b>Unit-I</b>	<b>Unit-II</b>
Installed Capacity ( MW)		660	660
Schedule COD as per Investment Approval		14.01.2013	14.11.2013
Actual COD /Date of Taken Over (as applicable)		08.03.2016 (Revised to 08.03.2016 from actual 15.11.2014)	18.02.2016 (Actual)
Pit Head or Non Pit Head		Non Pit Head	
Name of the Boiler Manufacture		BHEL*	
Name of Turbine Generator Manufacture		BHEL**	
Main Steam Pressure at Turbine inlet (kg/Cm <sup>2</sup> ) abs		247.00	
Main Steam Temperature at Turbine inlet (oC)		565.00	
Reheat Steam Pressure at Turbine inlet (kg/Cm <sup>2</sup> )		50.40	
Reheat Steam Temperature at Turbine inlet (oC)		593.00	
Main Steam flow at Turbine inlet under MCR condition (tons /hr)		1918.62	
Main Steam flow at Turbine inlet under VWO condition (tons /hr) <sup>2</sup>		2044.012 TPH (VWO, MSP,0% MU, 77 mmHg)	
Unit Gross electrical output under MCR /Rated condition (MW) <sup>2</sup>		660	
Unit Gross electrical output under VWO condition (MW) <sup>2</sup>		693	
Guaranteed Design Gross Turbine Cycle Heat Rate (kCal/kWh) <sup>3</sup>		1838	
Boiler Efficiency specified by Manufacturer (%)		83.7	
<b>Conditions on which design turbine cycle heat rate guaranteed</b>			
% MCR		100 % TMCR	
% Makeup Water Consumption		0 % MU at guaranteed condition	
Design Capacity of Make up Water System		3600 CUBIC M/HR	
Design Capacity of Inlet Cooling System		72000 CUBIC M/HR	
Design Cooling Water Temperature (oC)		33 deg C	
Back Pressure		77 mm Hg	
Steam flow at super heater outlet under BMCR condition (tons/hr)		2120	
Steam Pressure at super heater outlet under BMCR condition) (kg/Cm <sup>2</sup> )		256	
Steam Temperature at super heater outlet under BMCR condition (oC)		568	
Steam Temperature at Reheater outlet at BMCR condition (oC)		596	
<b>Design / Guaranteed Boiler Efficiency (%)<sup>4</sup></b>		83.7 at MCR	
Design Fuel with and without Blending of domestic/imported coal		Barh-II design does not specifically ensure provision for imported coal blending	
Type of Cooling Tower		IDCT	
Type of cooling system		Closed Circuit Cooling	
Type of Boiler Feed Pump		2nos TDBFP; 1no. MDBFP	
<b>Fuel Details</b>			
- Primary Fuel		Coal	
-Secondary Fuel		HFO/LDO	
-Alternate Fuels			
<b>Special Features/Site Specific Features</b>			
Special Technological Features		Supercritical	
Environmental Regulation related features		1. FGD under implementation 2. High efficiency ESPs have been installed	
Any other special features			
* BHEL in technical collaboration with M/s Alstom			
** BHEL in technical collaboration with M/s Siemens			
 <b>PETITIONER</b>			

## Normative parameters considered for tariff computations

Name of the Petitioner:		NTPC Limited					
Name of the Generating Station:		Barh Super Thermal Power Station Stage-II					
		(Year Ending March)					
Particulars	Unit	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7	8
Base Rate of Return on Equity \$\$	%	15.50	15.50	15.50	15.50	15.50	15.50
Base Rate of Return on Equity on Add. Capitalization** \$\$	%	-	6.4049	5.9471	5.6378	5.4595	5.3385
Effective Tax Rate	%	21.5488	17.4720	17.4720	17.4720	17.4720	17.4720
Target Availability	%	85.00	85.00	85.00	85.00	85.00	85.00
In High Demand Season	%	-	-	85.00	85.00	85.00	85.00
Peak Hours	%	-	-	85.00	85.00	85.00	85.00
Off-Peak Hours	%	-	-	85.00	85.00	85.00	85.00
In Low Demand Season(Off-Peak)	%	-	-	85.00	85.00	85.00	85.00
Peak Hours	%	-	-	85.00	85.00	85.00	85.00
Off-Peak Hours	%	-	-	85.00	85.00	85.00	85.00
Auxiliary Energy Consumption	%	5.75	6.25	6.25	6.25	6.25	6.25
Gross Station Heat Rate	kCal/kWh	2294.76	2305.73	2305.73	2305.73	2305.73	2305.73
Specific Fuel Oil Consumption	ml/kWh	0.50	0.50	0.50	0.50	0.50	0.50
Cost of Coal/Lignite for WC1	in Days	60	50	50	50	50	50
Cost of Main Secondary Fuel Oil for WC1	in Months	2	2	2	2	2	2
Fuel Cost for WC2	in Months						
Liquid Fuel Stock for WC2	in Months						
O&M Expenses	Rs lakh/MW	18.38	20.26	20.97	21.71	22.47	23.26
Maintenance Spares for WC	% of O&M	20.00	20.00	20.00	20.00	20.00	20.00
Receivables for WC	in Days	60	45	45	45	45	45
Storage capacity of Primary fuel	Lakh MT				4.5		
SBI 1 Year MCLR plus 350 basis point	%	12.80	12.05	11.25	10.50	10.50	12.00
Blending ratio of domestic coal/imported coal							

\*\* Rate of Return on Add - cap beyond original scope and excluding Change in Law

\$\$ Additional RoE due to better ramp rate would be claimed at the time of true-up



Petitioner

**Calculation of O&M Expenses**

Name of the Company : NTPC Limited  
Name of the Power Station : Barh Super Thermal Power Station Stage-II

Amount in Rs. Lakhs

S.No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	7	8
1	<b>O&amp;M expenses under Reg.35(1)</b>					
1a	Normative	26743.20	27680.40	28657.20	29660.40	30703.20
2	<b>O&amp;M expenses under Reg.35(6)</b>					
2a	Water Charges *	1275.44	1090.38	1361.00	1360.90	1364.63
2b	Security expenses*	3346.03	4005.89	3638.00	3115.00	3115.00
2c	Capital Spares##	3285.41	1138.39	0.00	0.00	0.00
	<b>SubTotal</b>	<b>34650.09</b>	<b>33915.06</b>	<b>33656.20</b>	<b>34136.30</b>	<b>35182.83</b>
3	O&M expenses-Ash Disposal**	0.00	0.00	0.00	0.00	0.00
	<b>Total O&amp;M Expenses</b>	<b>34650.09</b>	<b>33915.06</b>	<b>33656.20</b>	<b>34136.30</b>	<b>35182.83</b>

\*\* Shall be claimed on monthly basis as per order of Hon'ble CERC in petition no. 205/MP/2021 and for balance period i.e 2022-24


\* On estimated basis from FY 2021-22 onwards. Apportioned as per MW and further shall be claimed at the time of truing -up and subject to retrospective adjustment.

## As per Form-17 and subject to truing up.

*Vitendra*

Petitioner

**Abstract of Admitted Capital Cost for the existing Projects**

<b>Name of the Company :</b>	NTPC Limited	
<b>Name of the Power Station :</b>	Barh Super Thermal Power Station Stage-II	
Last date of order of Commission for the project	<b>Date (DD-MM-YYYY)</b>	Under consideration of Commission
Reference of petition no. in which the above order was passed	<b>Petition no.</b>	130/GT/2014
Following details (whether admitted and /or considered) as on the last date of the period for which tariff is approved, in the above order by the Commission:		
Capital cost (cash basis)	<b>(Rs. in lakh)</b>	NA
Amount of un-discharged liabilities included in above (& forming part of admitted capital cost)		
Amount of un-discharged liabilities corresponding to above admitted capital cost (but not forming part of admitted capital cost being allowed on cash basis)		
Gross Normative Debt		
Cumulative Repayment		
Net Normative Debt		
Normative Equity		
Cumulative Depreciation		
Freehold land		
 <b>(Petitioner)</b>		

Particulars	
Source of Loan	KfW Loan
Currency	EURO
Amount of loan sanctioned	7,25,00,000.00
Amount of Gross Loan drawn upto 17.02.2016 / COD	7,25,00,000.00
Interest Type	Fixed
Fixed Interest Rate, if applicable	3.50%
Base Rate, if floating interest	-
Margin, if floating interest rate	-
Are there any Caps / Floor	NO
If above is Yes, specify Caps / Floor	-
Moratorium Period	2 Years
Moratorium effective from	22-Mar-2012
Repayment period	12 Years
Repayment effective from	30-Sep-2014
Repayment frequency	Semi Annual
Repayment installment	24 Instalments
Base Exchange Rate (17.02.2017)	77.44

*Vitendra*

## Statement Giving Details of Project Financed through a Combination of loan

TRANCHE NO

T00001

BP NO 5050000501

Unsecured Loan From Bank of Karnataka Bank			
Source of Loan :	Karnataka Bank-II		
Currency :	INR		
Amount of Loan :	5,00,00,00,000		
Total Drawn amount :	5,00,00,00,000		
Date of Drawal :	28.03.2017		
Interest Type :	Floating		
Fixed Interest Rate :			
Base Rate, If Floating Interest :	7.70%		
Margin, If Floating Interest :			
Are there any Caps/ Floor :	Y/N		
Frequency of Intt. Payment :	MONTHLY		
If Above is yes, specify Caps/ Floor :			
Moratorium Period :	Nil		
Moratorium effective from :	28.03.2017		
Repayment Period (Inc Moratorium) :	15 Years		
Repayment Frequency :	9f Yearly Instalment		
Repayment Type :	AVG		
First Repayment Date :	28.03.2021		
Base Exchange Rate :	RUPEE		
Date of Base Exchange Rate :	N.A.		
Project Code	Project Name	Amount	
	BARH-I	93,75,00,000.00	28.03.2017
	BARH-II	1,31,25,00,000.00	28.03.2017
	BONGAIGAON	17,85,71,427.00	28.03.2017
	KORBA-III	36,78,57,143.00	28.03.2017
	LARA-I	9,37,50,000.00	28.03.2017
	PAKRI BARWADIH	53,75,00,000.00	28.03.2017
	RIHAND-III	45,98,21,428.00	28.03.2017
	SOLAPUR	48,87,50,000.00	28.03.2017
	VINDHYACHAL-IV	35,71,42,855.00	28.03.2017
	SIMHADRI-II	28,66,07,147.00	28.03.2017
	<b>Total Allocated Amount</b>	<b>5,00,00,00,000.00</b>	

TRANCHE NO

T00001

D00002

BP NO 5050000351

Unsecured Loan From Canara Bank - III			
Source of Loan :	Canara Bank - III		
Currency :	INR		
Amount of Loan :	10,00,00,00,000		
Total Drawn amount :	2,50,00,00,000		
Date of Drawal :	22.07.2013		
Interest Type :	Floating		
Fixed Interest Rate :			
Base Rate, If Floating Interest :	D00002- 10.25%		
Margin, If Floating Interest :	NIL		
Are there any Caps/ Floor :	Y/N		
Frequency of Intt. Payment :	MONTHLY		
If Above is yes, specify Caps/ Floor :			
Moratorium Period :	5 Years		
Moratorium effective from :	22.07.2013		
Repayment Period (Inc Moratorium) :	15 Years		
Repayment Frequency :	20 Half Yearly Instalment		
Repayment Type :	AVG		
First Repayment Date :	28.09.2018		
Base Exchange Rate :	RUPEE		
Date of Base Exchange Rate :	N.A.		

**Form 8**

Project Code	Project Name	Amount
	BARH-II	1,53,00,00,000
	PAKRI BARWADIH	80,00,00,000
	CHATTI BARIATU CMP	17,00,00,000
<b>Total Allocated Amount</b>		<b>2,50,00,00,000</b>

Wendee



Statement Giving Details of Project Financed through a Combination of loan  
Form 8

BP NO 5050000009 & 231		TRANCHE NO T00001	D00001
Unsecured Loan From HDFC Bank Ltd.-II			
Source of Loan :	HDFC Bank Ltd.-II		
Currency :	INR		
Amount of Loan :	10,00,00,00,000		
Total Drawn amount :	1,00,00,00,000		
Date of drawl	0		
Interest Type :	Floating		
Fixed Interest Rate :			
Base Rate, if Floating Interest	D00001=8.00%		
Margin, if Floating Interest :	D00001= 0.75%		
Are there any Caps/ Floor :	Y/N		
Frequency of Intt. Payment	MONTHLY		
If Above is yes, specify Caps/ Floor :			
Moratorium Period :	3 Years		
Moratorium effective from :	26.10.2010		
Repayment Period (Inc Moratorium) :	10 Years		
Repayment Frequency :	14 Half Yearly Instalment		
Repayment Type :	AVG		
First Repayment Date :	28.04.2014		
Base Exchange Rate :	RUPEE		
Date of Base Exchange Rate :	N.A.		
Project Code	Project Name	Amount	
	BARH-II	75,00,00,000	
	KORBA-III	25,00,00,000	
	<b>Total Allocated Amount</b>	<b>1,00,00,00,000</b>	

Statement Giving Details of Project Financed through a Combination of loan  
Form 8

BP NO 5070000021		TRANCHE NO T00001	D00001
Unsecured Loan From HUDCO LTD.			
Source of Loan :	HUDCO LTD-I		
Currency :	INR		
Amount of Loan :	20,00,00,00,000		
Total Drawn amount :	1,00,00,00,000		
Date of drawl	02.12.2012		
Interest Type :	Floating		
Fixed Interest Rate :	-----		
Base Rate, if Floating Interest	D00001 - 7.85%		
Margin, if Floating Interest :	D00001 - 0.64%		
Are there any Caps/ Floor :	Y/N		
Frequency of Intt. Payment	Monthly		
If Above is yes, specify Caps/ Floor :			
Moratorium Period :	3 Years		
Moratorium effective from :	02.12.2010		
Repayment Period (Inc Moratorium) :	14 Years		
Repayment Frequency :	22 Half Yearly Instalments		
Repayment Type :	AVG		
First Repayment Date :	31.05.2014		
Base Exchange Rate :	RUPEE		
Date of Base Exchange Rate :	N.A.		
Project Code	Project Name	Amount	
	BONGAIGAON	15,00,00,000	02.12.2010
	BARH-II	50,00,00,000	02.12.2010
	MAUDA-I	35,00,00,000	02.12.2010
	<b>Total Allocated Amount</b>	<b>1,00,00,00,000</b>	

*M. S. Sarda*

Statement Giving Details of Project Financed through a Combination of loan  
Form 8TRANCHE NO  
T00001

D00001

BP NO 5050000721

## Unsecured Loan From Corporation Bank-IV

Source of Loan :	Corporation Bank-IV		
Currency :	INR		
Amount of Loan :	20,00,00,00,000		
Total Drawn amount :	20,00,00,00,000		
Date of Drawal :	11.01.2019		
Interest Type :	Floating		
Fixed Interest Rate :	8.20%		
Base Rate, If Floating Interest :	-		
Margin, If Floating Interest :	-		
Are there any Caps/ Floor :	Y/N		
Frequency of Intt. Payment :	MONTHLY		
If Above is yes, specify Caps/ Floor :			
Moratorium Period :	3 Years		
Moratorium effective from :	11.01.2019		
Repayment Period (Inc Moratorium) :	12 Years		
Repayment Frequency :	9 Yearly Instalments		
Repayment Type :	AVG		
First Repayment Date :	11-Jan-23		
Base Exchange Rate :	RUPEE		
Date of Base Exchange Rate :	N.A.		
Project Code	Project Name	Amount	
	SINGRAULI 8MW HYDRO	8,75,00,000	11.01.2019
	FARIDABAD SOLAR PV	8,75,00,000	11.01.2019
	SINGRAULI SOLAR	8,75,00,000	11.01.2019
	FARAKKA III	11,42,85,716	11.01.2019
	RAJGARH SOLAR	13,12,50,000	11.01.2019
	NCTPP-II	14,28,57,139	11.01.2019
	GANDHAR R&M	16,60,71,436	11.01.2019
	SIMHADRI-II	23,21,42,855	11.01.2019
	SIPAT-I	23,43,75,000	11.01.2019
	MOUDA-II	50,00,00,000	11.01.2019
	VINDHYACHAL-V	1,00,00,00,000	11.01.2019
	SIPAT-II	1,01,07,14,287	11.01.2019
	MOUDA-I	1,05,44,84,284	11.01.2019
	RIHAND-III	1,22,85,71,426	11.01.2019
	VINDHYACHAL-IV	2,45,00,00,000	11.01.2019
	KOLDAM	2,71,51,78,577	11.01.2019
	BARH-II	6,75,75,89,280	11.01.2019
	KUDGI	2,00,00,00,000	11.01.2019
	<b>Total Allocated Amount</b>	<b>20,00,00,00,000</b>	

Statement Giving Details of Project Financed through a Combination of loan  
Form 8TRANCHE NO  
T00001

D00005

BP NO 5050000037

## Unsecured Loan From State Bank Of India - IV

Source of Loan :	State Bank Of India - IV		
Currency :	INR		
Amount of Loan :	15,00,00,00,000		
Total Drawn amount :	3,00,00,00,000		
Date of Drawal :	31.03.2008		
Interest Type :	Floating		
Fixed Interest Rate :	---		
Base Rate, If Floating Interest :	D00005- 12.25%		
Margin, If Floating Interest :	D00005- (2.25%)		
Are there any Caps/ Floor :	Y/N		
Frequency of Intt. Payment :	MONTHLY		
If Above is yes, specify Caps/ Floor :			
Moratorium Period :	3 Years		
Moratorium effective from :	28.02.2007		

**Form 8**

Repayment Period (Inc Moratorium) :	10 Years
Repayment Frequency :	14 Half Yearly Instalment
Repayment Type :	FIFO
First Repayment Date :	28.08.2009
Base Exchange Rate :	RUPEE
Date of Base Exchange Rate :	N.A.

Vitendra

**Form 8**

Project Code	Project Name	Amount	
	VINDHYACHAL-III	30,00,00,000.00	31.03.2008
	NCTPP-II	1,00,00,00,000.00	31.03.2008
	KAHALGAON-II	50,00,00,000.00	31.03.2008
	SIPAT-II	70,00,00,000.00	31.03.2008
	BARH-II	50,00,00,000.00	31.03.2008
<b>Total Allocated Amount</b>		<b>3,00,00,00,000.00</b>	

**Statement Giving Details of Project Financed through a Combination of loan**  
Form 8

BP NO 5050000092		TRANCHE NO T00001	D00002
Unsecured Loan From SBI-V			
Source of Loan :	SBI - V		
Currency :	INR		
Amount of Loan :	15,00,00,00,000		
Total Drawn amount :	2,50,00,00,000		
Date of Drawl	30.03.2009		
Interest Type :	Floating		
Fixed Interest Rate :	---		
Base Rate, if Floating Interest	D00002- 12.25%		
Margin, if Floating Interest :	D00002- (2.25%)		
Are there any Caps/ Floor :	Y/N		
Frequency of Intt. Payment	MONTHLY		
If Above is yes, specify Caps/ Floor :			
Moratorium Period :	3 Years/31.03.2011 whichever is earlier		
Moratorium effective from :	23.03.2009		
Repayment Period (Inc Moratorium) :	10 Years		
Repayment Frequency :	14 Half Yearly Instalment		
Repayment Type :	AVG		
First Repayment Date :	30.09.2011		
Base Exchange Rate :	RUPEE		
Date of Base Exchange Rate :	N.A.		
Project Code	Project Name	Amount	
	KOLDAM	40,00,00,000.00	30.03.2009
	LOHARI NAG-PALA*	20,00,00,000.00	30.03.2009
	FARAKKA-III	85,00,00,000.00	30.03.2009
	NCTPP-II	30,00,00,000.00	30.03.2009
	SIMHADRI-II	35,00,00,000.00	30.03.2009
	BARH-II	40,00,00,000.00	30.03.2009
<b>Total Allocated Amount</b>		<b>2,50,00,00,000.00</b>	

**Statement Giving Details of Project Financed through a Combination of loan**  
Form 8

BP NO 5050000092		TRANCHE NO T00001	D00007
Unsecured Loan From SBI-V			
Source of Loan :	SBI - V		
Currency :	INR		
Amount of Loan :	15,00,00,00,000		
Total Drawn amount :	1,50,00,00,000		
Date of Drawl	12.07.2010		
Interest Type :	Floating		
Fixed Interest Rate :	---		
Base Rate, if Floating Interest	D00007- 7.50%		
Margin, if Floating Interest :	D00007- 2%		
Are there any Caps/ Floor :	Y/N		
Frequency of Intt. Payment	MONTHLY		
If Above is yes, specify Caps/ Floor :			
Moratorium Period :	3 Years/31.03.2011 whichever is earlier		
Moratorium effective from :	23.03.2009		
Repayment Period (Inc Moratorium) :	10 Years		
Repayment Frequency :	14 Half Yearly Instalment		

**Form 8**

Repayment Type :	AVG	
First Repayment Date :	30.09 2011	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	KORBA-III	25,00,00,000.00

12.07.2010

Vitendera

**Form 8**

	NCTPP-DADRI-II	25,00,00,000.00	12.07.2010
	BONGAIGAON	25,00,00,000.00	12.07.2010
	BARH-II	50,00,00,000.00	12.07.2010
	RIHAND-III	25,00,00,000.00	12.07.2010
<b>Total Allocated Amount</b>		<b>1,50,00,00,000.00</b>	

**Statement Giving Details of Project Financed through a Combination of loan**  
Form 8

TRANCHE NO  
T00001

D00005

BP NO 5050000141

Unsecured Loan From State Bank of India - VI

Source of Loan :	State Bank of India - VI	
Currency :	INR	
Amount of Loan :	15,75,00,00,000	
Total Drawn amount :	2,25,00,00,000	
Date of Drawl :	11.12.2010	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest :	D00005- 7.6%	
Margin, If Floating Interest :	D00005- 1.90%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment :	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	14.05.2009	
Repayment Period (Inc Moratorium) :	10 Years	
Repayment Frequency :	14 Half Yearly	
Repayment Type :	AVG	
First Repayment Date :	30.09.2012	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BONGAIGAON	25,00,00,000.00
	BARH-II	35,00,00,000.00
	MAUDA	25,00,00,000.00
	PAKRI BARWADIH	40,00,00,000.00
	KORBA-III	20,00,00,000.00
	SIPAT-II	10,00,00,000.00
	KOLDAM	10,00,00,000.00
	SIMHADRI-II	20,00,00,000.00
	VINDHYACHAL IV	15,00,00,000.00
	RIHAND-III	25,00,00,000.00
<b>Total Allocated Amount</b>		<b>2,25,00,00,000.00</b>

*Vitender*

Statement Giving Details of Project Financed through a Combination of loan  
Form 8TRANCHE NO  
T00001

D00001

BP NO 5050000261

## Unsecured Loan From SBI-VII

Source of Loan :	SBI-VII	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	5,00,00,00,000	
Date of drawl	0	
Interest Type :	Floating	
Fixed Interest Rate :	-----	
Base Rate, If Floating Interest	D00001 - 9.25%	
Margin, If Floating Interest :	D00001 - 0.75%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	4 Years	
Moratorium effective from :	08.07.2011	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	16 Half Yearly Instalments	
Repayment Type :	AVG	
First Repayment Date :	30.09.2015	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-II	2,00,00,00,000.00
	RIHAND-III	95,00,00,000.00
	VINDHYACHAL IV	45,00,00,000.00
	SIPAT-II	35,00,00,000.00
	SIMHADRI-II	35,00,00,000.00
	MAUDA	90,00,00,000.00
	<b>Total Allocated Amount</b>	<b>5,00,00,00,000.00</b>

*Vitendra*

Statement Giving Details of Project Financed through a Combination of loan  
Form 8

TRANCHE NO

T00001

D00003

BP NO 5050000261

Unsecured Loan From SBI-VII		
Source of Loan :	SBI-VII	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	5,00,00,00,00,000	
Date of drawl	0	
Interest Type :	Floating	
Fixed Interest Rate :	-----	
Base Rate, If Floating Interest	D00003 - 10%	
Margin, If Floating Interest :	D00003 - 0.75%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intl. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	4 Years	
Moratorium effective from :	08.07.2011	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	18 Half Yearly Instalments	
Repayment Type :	AVG	
First Repayment Date :	30.09.2015	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	KOLDAM	71,00,00,000.00
	TAPOVAN	52,00,00,000.00
	BONGAIGAON	46,00,00,000.00
	BARH-I	18,00,00,000.00
	BARH-II	54,00,00,000.00
	RIHAND-III	5,00,00,000.00
	KUDGI-I	1,45,00,00,000.00
	SOLAPUR	63,00,00,000.00
	MOUDA-II	37,00,00,000.00
	TANDA-R&M	9,00,00,000.00
	<b>Total Allocated Amount</b>	<b>5,00,00,00,000.00</b>

Statement Giving Details of Project Financed through a Combination of loan  
Form 8

TRANCHE NO

T00001

D00007

BP NO 5050000261

Unsecured Loan From SBI-VII		
Source of Loan :	SBI-VII	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	5,00,00,00,00,000	
Date of Drawl	0	
Interest Type :	Floating	
Fixed Interest Rate :	-----	
Base Rate, If Floating Interest	D00007-9.75%	
Margin, If Floating Interest :	D00007= 0.495%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intl. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	4 Years	
Moratorium effective from :	08.07.2011	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	18 Half Yearly Instalments	
Repayment Type :	AVG	
First Repayment Date :	30.09.2015	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount



**Form 8**

	KOLDAM	35,00,00,000
	SOLAPUR	25,00,00,000
	VINDHYACHAL-IV	20,00,00,000
	TAPOVAN	20,00,00,000
	BARH-I	80,00,00,000
	MOUDA-I	15,00,00,000
	RIHAND-III	45,00,00,000
	KUDGI-I	20,00,00,000
	DADRI SOLAR PV	5,00,00,000

*V. K. S. S.*

**Form 8**

	A&N SOLAR PV	5,00,00,000
	SINGARULI 8 MW	5,00,00,000
	BONGAIGAON	40,00,00,000
	BARH-II	80,00,00,000
	SINGRAULI-R&M	25,00,00,000
	TANDA - R&M	15,00,00,000
	KAWAS-R&M	35,00,00,000
	GANDHAR -R&M	20,00,00,000
	TSTPP-R&M	10,00,00,000
	<b>Total Allocated Amount</b>	<b>5,00,00,00,000.00</b>

**Statement Giving Details of Project Financed through a Combination of loan**

Form 8

TRANCHE NO

T00001

D00009

BP NO 5050000261

Unsecured Loan From SBI-VII

Source of Loan :	SBI-VII	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	1,00,00,00,00,000	
Date of Drawl	0	
Interest Type :	Floating	
Fixed Interest Rate :	-----	
Base Rate, if Floating Interest	D00009-9.70%	
Margin, if Floating Interest :	D00009= 0.25%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	4 Years	
Moratorium effective from :	08.07.2011	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	16 Half Yearly Instalments	
Repayment Type :	AVG	
First Repayment Date :	30.09.2015	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-II	60,00,00,000
	SIPAT-I	15,00,00,000
	VINDHYACHAL-V	25,00,00,000
	<b>Total Allocated Amount</b>	<b>1,00,00,00,000.00</b>

**Statement Giving Details of Project Financed through a Combination of loan**

Form 8

TRANCHE NO

T00001

D00012

BP NO 5050000261

Unsecured Loan From SBI-VII

Source of Loan :	SBI-VII	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	2,50,00,00,00,000	
Date of Drawl	0	
Interest Type :	Floating	
Fixed Interest Rate :	-----	
Base Rate, if Floating Interest	D00012-9.95%	
Margin, if Floating Interest :	D00012= 0.25%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	4 Years	
Moratorium effective from :	08.07.2011	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	16 Half Yearly Instalments	

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*Vistara*

**Form 8**

Repayment Type :	AVG	
First Repayment Date :	30.09.2015	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-II	67,00,00,000
	FARAKKA-III	35,00,00,000

**Form 8**

	SIMHADRI-II	20,00,00,000
	RAMAGUNDAM SOLAR	10,00,00,000
	FGUTPS R&M	14,00,00,000
	VSTPS R&M	28,00,00,000
	RAMAGUNDAM-R&M	18,00,00,000
	KORBA-R&M	17,00,00,000
	KAWAS-R&M	17,00,00,000
	BADARPUR-R&M	14,00,00,000
	TSTPP-R&M	10,00,00,000
	<b>Total Allocated Amount</b>	<b>2,50,00,00,000.00</b>

**Statement Giving Details of Project Financed through a Combination of loan**

Form 8

TRANCHE NO

T00001

D00016

BP NO 5050000261

Unsecured Loan From SBI-VII

Source of Loan :	SBI-VII	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	5,00,00,00,000	
Date of Drawl	0	
Interest Type :	Floating	
Fixed Interest Rate :	-----	
Base Rate, if Floating Interest	D00016-10.00%	
Margin, if Floating Interest :	D00016- 0.25%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	4 Years	
Moratorium effective from :	08.07.2011	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	16 Half Yearly Instalments	
Repayment Type :	AVG	
First Repayment Date :	30.09.2015	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	MOUDA-I	50,00,00,000
	VINDHYACHAL-IV	50,00,00,000
	RIHAND-III	65,00,00,000
	MOUDA-II	1,80,00,00,000
	BARH-II	25,00,00,000
	SINGRAULI-R&M	30,00,00,000
	RAMAGUNDAM-R&M	15,00,00,000
	KORBA-R&M	20,00,00,000
	VINDHYACHAL-V	35,00,00,000
	KAWAS-R&M	20,00,00,000
	BADARPUR-R&M	10,00,00,000
	<b>Total Allocated Amount</b>	<b>5,00,00,00,000.00</b>

Statement Giving Details of Project Financed through a Combination of loan  
Form 8

TRANCHE NO  
T00001

D00019

BP NO 5050000261

Unsecured Loan From SBI-VII

Source of Loan :	SBI-VII	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	1,00,00,00,00,000	
Date of Drawal :	21.02.2014	
Interest Type :	Floating	
Fixed Interest Rate :	-----	
Base Rate, If Floating Interest	D00019=10.00%	
Margin, If Floating Interest :	D00019=0.25%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	4 Years	
Moratorium effective from :	08.07.2011	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	16 Half Yearly Instalments	
Repayment Type :	AVG	
First Repayment Date :	30.09.2015	
Base Exchange Rate :	RUPPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BONGAIGAON	18,00,00,000
	BARH-I	18,00,00,000
	SOLAPUR	44,00,00,000
	BARH-II	20,00,00,000
	<b>Total Allocated Amount</b>	<b>1,00,00,00,000.00</b>

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**Statement Giving Details of Project Financed through a Combination of loan**  
Form 8

BP NO 5050000293		TRANCHE NO T00001	D00001
Unsecured Loan From UCO Bank			
Source of Loan :	UCO Bank-II		
Currency :	INR		
Amount of Loan :	5,00,00,00,000		
Total Drawn amount :	25,00,00,000		
Date of Drawl	29.03.2012		
Interest Type :	Floating		
Fixed Interest Rate :			
Base Rate, If Floating Interest	D00001- 10.75%		
Margin, If Floating Interest :	D00001= Nil		
Are there any Caps/ Floor	Y/N		
Frequency of Intt. Payment	MONTHLY		
If Above is yes, specify Caps/ Floor :			
Moratorium Period :	4 Years		
Moratorium effective from :	29.03.2012		
Repayment Period (Inc Moratorium) :	12 Years		
Repayment Frequency :	16 Half Yearly		
Repayment Type :	Average		
First Repayment Date :	29.09.2016		
Base Exchange Rate :	RUPEE		
Date of Base Exchange Rate	N.A.		
Project Code	Project Name	Amount	
	BARH-II	25,00,00,000.00	29.03.2012
		25,00,00,000.00	
<b>Total Allocated Amount</b>			

**Statement Giving Details of Project Financed through a Combination of loan**  
Form 8

BP NO 5050000293		TRANCHE NO T00001	D00007
Unsecured Loan From UCO Bank			
Source of Loan :	UCO Bank-II		
Currency :	INR		
Amount of Loan :	5,00,00,00,000		
Total Drawn amount :	50,00,00,000		
Date of Drawl			
Interest Type :	Floating		
Fixed Interest Rate :			
Base Rate, If Floating Interest	D00007- 10.20%		
Margin, If Floating Interest :	NIL		
Are there any Caps/ Floor	Y/N		
Frequency of Intt. Payment	MONTHLY		
If Above is yes, specify Caps/ Floor :			
Moratorium Period :	4 Years		
Moratorium effective from :	29.03.2012		
Repayment Period (Inc Moratorium) :	12 Years		
Repayment Frequency :	16 Half Yearly		
Repayment Type :	Average		
First Repayment Date :	29.09.2016		
Base Exchange Rate :	RUPEE		
Date of Base Exchange Rate :	N.A.		
Project Code	Project Name	Amount	
	BARH-II	50,00,00,000	28.03.2013
		50,00,00,000	
<b>Total Allocated Amount</b>			

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Statement Giving Details of Project Financed through a Combination of loan  
Form 8

BP NO 5050000293		TRANCHE NO T00001	D00008
Unsecured Loan From UCO Bank			
Source of Loan :	UCO Bank-II		
Currency :	INR		
Amount of Loan :	5,00,00,00,000		
Total Drawn amount :	50,00,00,000		
Date of Drawal:	23.10.2013		
Interest Type :	Floating		
Fixed Interest Rate :			
Base Rate, If Floating Interest :	D00008- 10.20%		
Margin, If Floating Interest :	NIL		
Are there any Caps/ Floor :	Y/N		
Frequency of Intt. Payment :	MONTHLY		
If Above is yes, specify Caps/ Floor :			
Moratorium Period :	4 Years		
Moratorium effective from :	29.03.2012		
Repayment Period (Inc Moratorium) :	12 Years		
Repayment Frequency :	16 Half Yearly		
Repayment Type :	Average		
First Repayment Date :	29.09.2016		
Base Exchange Rate :	RUPEE		
Date of Base Exchange Rate :	N.A.		
Project Code	Project Name	Amount	
	BARH-II	50,00,00,000	23.10.2013
<b>Total Allocated Amount</b>		<b>50,00,00,000</b>	

Statement Giving Details of Project Financed through a Combination of loan  
Form 8

BP NO 5050000293		TRANCHE NO T00001	D00009
Unsecured Loan From UCO Bank			
Source of Loan :	UCO Bank-II		
Currency :	INR		
Amount of Loan :	5,00,00,00,000		
Total Drawn amount :	1,00,00,00,000		
Date of Drawal:	03.12.2013		
Interest Type :	Floating		
Fixed Interest Rate :			
Base Rate, If Floating Interest :	D00009- 10.20%		
Margin, If Floating Interest :	NIL		
Are there any Caps/ Floor :	Y/N		
Frequency of Intt. Payment :	MONTHLY		
If Above is yes, specify Caps/ Floor :			
Moratorium Period :	4 Years		
Moratorium effective from :	29.03.2012		
Repayment Period (Inc Moratorium) :	12 Years		
Repayment Frequency :	16 Half Yearly		
Repayment Type :	Average		
First Repayment Date :	29.09.2016		
Base Exchange Rate :	RUPEE		
Date of Base Exchange Rate :	N.A.		
Project Code	Project Name	Amount	
	BARH-II	1,00,00,00,000	03.12.2013
<b>Total Allocated Amount</b>		<b>1,00,00,00,000</b>	

## Form 8

Statement Giving Details of Project Financed through a Combination of loan  
Form 8

BP NO 5050000321		TRANCHE NO T00001		D00003	
Unsecured Loan From Union Bank of India-II					
Source of Loan :	Union Bank of India - II				
Currency :	INR				
Amount of Loan :	20,00,00,00,000				
Total Drawn amount :	1,00,00,00,000				
Date of Drawal :	25.03.2013				
Interest Type :	Floating				
Fixed Interest Rate :					
Base Rate, if Floating Interest :	D00003-10.25%				
Margin, if Floating Interest :	NIL				
Are there any Caps/ Floor :	Y/N				
Frequency of Intt. Payment :	MONTHLY				
If Above is yes, specify Caps/ Floor :					
Moratorium Period :	4 Years				
Moratorium effective from :	01.08.2012				
Repayment Period (Inc Moratorium) :	14 Years				
Repayment Frequency :	20 Half Yearly				
Repayment Type :	AVG				
First Repayment Date :	01.02.2017				
Base Exchange Rate :	RUPEE				
Date of Base Exchange Rate :	N.A.				
Project Code	Project Name	Amount			
	BARH-II	1,00,00,00,000	25.03.2013		
<b>Total Allocated Amount</b>		<b>1,00,00,00,000.00</b>			

Statement Giving Details of Project Financed through a Combination of loan  
Form 8

BP NO 5050000321		TRANCHE NO T00001		D00004	
Unsecured Loan From Union Bank of India-II					
Source of Loan :	Union Bank of India - II				
Currency :	INR				
Amount of Loan :	20,00,00,00,000				
Total Drawn amount :	50,00,00,000				
Date of Drawal :	28.03.2013				
Interest Type :	Floating				
Fixed Interest Rate :					
Base Rate, if Floating Interest :	D00004-10.25%				
Margin, if Floating Interest :	NIL				
Are there any Caps/ Floor :	Y/N				
Frequency of Intt. Payment :	MONTHLY				
If Above is yes, specify Caps/ Floor :					
Moratorium Period :	4 Years				
Moratorium effective from :	01.08.2012				
Repayment Period (Inc Moratorium) :	14 Years				
Repayment Frequency :	20 Half Yearly				
Repayment Type :	AVG				
First Repayment Date :	01.02.2017				
Base Exchange Rate :	RUPEE				
Date of Base Exchange Rate :	N.A.				
Project Code	Project Name	Amount			
	BARH-II	50,00,00,000	28.03.2013		
<b>Total Allocated Amount</b>		<b>50,00,00,000.00</b>			

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## Form 8

Statement Giving Details of Project Financed through a Combination of loan  
Form 8TRANCHE NO  
T00001

D00001

BP NO 5050000292

Unsecured Loan From United Bank of India-IV		
Source of Loan :	United Bank of India - IV	
Currency :	INR	
Amount of Loan :	2,50,00,00,000	
Total Drawn amount :	25,00,00,000	
Date of drawl	29.03.2012	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, if Floating Interest	D00001-10.6%	
Margin, if Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	4 Years	
Moratorium effective from :	29.03.2012	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	16 Half Yearly	
Repayment Type :	AVG	
First Repayment Date :	29.09.2016	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-II	25,00,00,000
		29.03.2012
<b>Total Allocated Amount</b>		<b>25,00,00,000.00</b>

Statement Giving Details of Project Financed through a Combination of loan  
Form 8TRANCHE NO  
T00001

D00004

BP NO 5050000211

Unsecured Loan From Vijaya Bank-IV		
Source of Loan :	Vijaya Bank - IV	
Currency :	INR	
Amount of Loan :	3,79,00,00,000	
Total Drawn amount :	1,19,00,00,000	
Date of drawl	23.05.2011	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, if Floating Interest	D00004-10.00%	
Margin, if Floating Interest :	D00004 - 0.00%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	15.09.2010	
Repayment Period (Inc Moratorium) :	10 Years	
Repayment Frequency :	14 Half Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	15.03.2014	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-II	29,00,00,000.00
	PAKRI BARWADIH	25,00,00,000.00
	MAUDA	15,00,00,000.00
	SIPAT-I	50,00,00,000.00
		23.05.2011
<b>Total Allocated Amount</b>		<b>1,19,00,00,000.00</b>

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## Form 8

## Statement Giving Details of Project Financed through a Combination of loan

Form 8

TRANCHE NO

T00001

D00001

BP NO 5050000291

## Unsecured Loan From Vijaya Bank-V

Source of Loan :	Vijaya Bank - V	
Currency :	INR	
Amount of Loan :	3,50,00,00,000	
Total Drawn amount :	25,00,00,000	
Date of drawl :	29.03.2012	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, if Floating Interest :	D00001- 10.65%	
Margin, if Floating Interest :	0.00%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment :	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	29.03.2012	
Repayment Period (Inc Moratorium) :	10 Years	
Repayment Frequency :	14 Half Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	29.09.2015	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-II	25,00,00,000
		29.03.2012
<b>Total Allocated Amount</b>		<b>25,00,00,000.00</b>

## Statement Giving Details of Project Financed through a Combination of loan

Form 8

TRANCHE NO

T00001

D00006

BP NO 5050000361

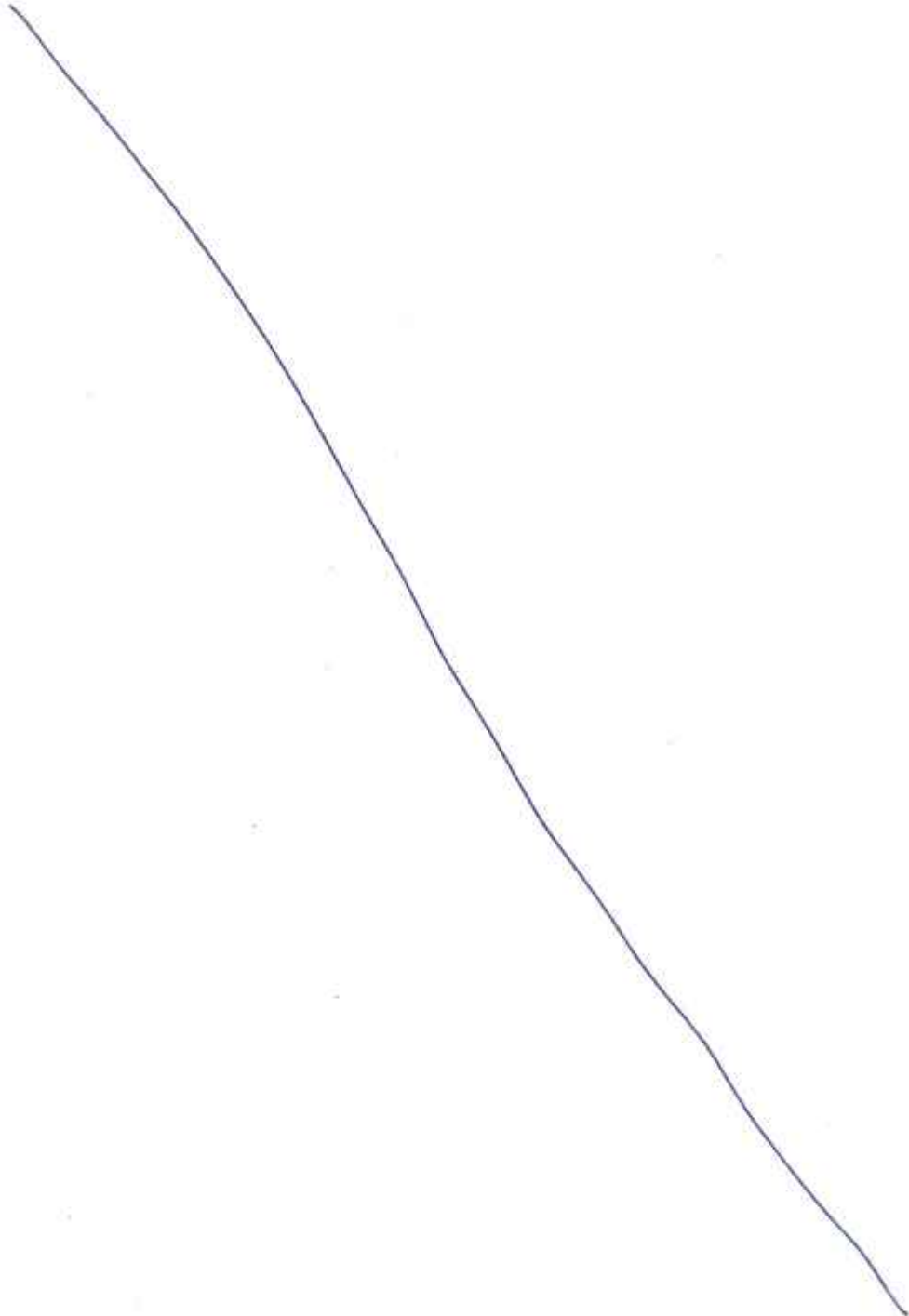
## Unsecured Loan From Bank Of India-II

Source of Loan :	Bank Of India-II	
Currency :	INR	
Amount of Loan :	20000000000	
Total Drawn amount :	5000000000	
Date of Drawal :	14.03.2014	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, if Floating Interest :	D00006 - 10.20%	
Margin, if Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment :	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	5 Years	
Moratorium effective from :		
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	10 Half-Yearly	
Repayment Type :	AVG	
First Repayment Date :	28.08.2019	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :		
Project Code	Project Name	Amount
	BARH-II	1,10,00,00,000
	VINDHYACHAL-V	75,00,00,000
	KUDGI-I	45,00,00,000
	LATA TAPOVAN	45,00,00,000
		14.03.2014
		14.03.2014
		14.03.2014
		14.03.2014

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67*Vitendero*

**Form 8**

LARA-I	25,00,00,000	14.03.2014
DARLIPALLI	2,00,00,00,000	14.03.2014
<b>Total Allocated Amount</b>	<b>5,00,00,00,000</b>	



Vikram

## Statement Giving Details of Project Financed through a Combination of loan

Form 8

TRANCHE NO

T00001

D00010

BP NO 5050000311

Unsecured Loan From Syndicate Bank-III

Source of Loan :	Syndicate Bank-III	
Currency :	INR	
Amount of Loan :	10,00,00,00,000	
Total Drawn amount :	2,00,00,00,000	
Date of Drawal :	01.05.2014	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, if Floating Interest :	D00009- 10.25%	
Margin, if Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment :	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	4 Years	
Moratorium effective from :	01.05.2012	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	16 Half Yearly	
Repayment Type :	Average	
First Repayment Date :	01.12.2016	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BONGAIGAON	1,00,00,00,000
	BARH-II	1,00,00,00,000
<b>Total Allocated Amount</b>		<b>2,00,00,00,000.00</b>

## Statement Giving Details of Project Financed through a Combination of loan

Form 8

TRANCHE NO

T00001

D00011

BP NO 5050000311

Unsecured Loan From Syndicate Bank-III

Source of Loan :	Syndicate Bank-III	
Currency :	INR	
Amount of Loan :	10,00,00,00,000	
Total Drawn amount :	1,00,00,00,000	
Date of Drawal :	21.07.2014	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, if Floating Interest :	D00009- 10.25%	
Margin, if Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment :	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	4 Years	
Moratorium effective from :	01.05.2012	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	16 Half Yearly	
Repayment Type :	Average	
First Repayment Date :	01.12.2016	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-II	1,00,00,00,000
<b>Total Allocated Amount</b>		<b>1,00,00,00,000.00</b>

Statement Giving Details of Project Financed through a Combination of loan  
Form 8

BP NO 5070000011		TRANCHE NO T00001	D00013
<b>Unsecured Loan From PFC-V</b>			
Source of Loan :	PFC-V		
Currency :	INR		
Amount of Loan :	1,00,00,00,00,000		
Total Drawn amount :	5,00,00,00,000		
Date of Drawl	18.03.2010		
Interest Type :	Floating		
Fixed Interest Rate :	-----		
Base Rate, If Floating Interest	D00013-7.83%		
Margin, If Floating Interest :	D00013 - 0.45%		
Are there any Caps/ Floor :	Y/N		
Frequency of Intt. Payment	Monthly		
If Above is yes, specify Caps/ Floor :			
Moratorium Period :	4 Years		
Moratorium effective from :	26.12.2008		
Repayment Period (Inc Moratorium) :	16 Years		
Repayment Frequency :	48 Quarterly Instalments		
Repayment Type :	FIFO		
First Repayment Date :	15.07.2013		
Base Exchange Rate :	RUPEE		
Date of Base Exchange Rate :	N.A.		
Project Code	Project Name		Amount
	FARAKKA-III		30,00,00,000.00
	SIMHADRI-II		2,70,00,00,000.00
	BARH-II		2,00,00,00,000.00
			18.03.2010
			18.03.2010
			18.03.2010
<b>Total Allocated Amount</b>			<b>5,00,00,00,000.00</b>

Statement Giving Details of Project Financed through a Combination of loan  
Form 8

BP NO 5070000011		TRANCHE NO T00001	D00018
<b>Unsecured Loan From PFC-V</b>			
Source of Loan :	PFC-V		
Currency :	INR		
Amount of Loan :	1,00,00,00,00,000		
Total Drawn amount :	1,50,00,00,000		
Date of Drawl	31.03.2010		
Interest Type :	Floating		
Fixed Interest Rate :	-----		
Base Rate, If Floating Interest	D00018- 7.73%		
Margin, If Floating Interest :	D00018 - 0.45%		
Are there any Caps/ Floor :	Y/N		
Frequency of Intt. Payment	Monthly		
If Above is yes, specify Caps/ Floor :			
Moratorium Period	4 Years		
Moratorium effective from :	26.12.2008		
Repayment Period (Inc Moratorium) :	16 Years		
Repayment Frequency :	48 Quarterly Instalments		
Repayment Type :	FIFO		
First Repayment Date :	15.07.2013		

**Form 8**

Base Exchange Rate :	RUPEE		
Date of Base Exchange Rate :	N.A.		
Project Code	Project Name	Amount	
	BONGAIGAON	1,40,00,00,000.00	31.03.2010
	BARH-II	10,00,00,000.00	31.03.2010
<b>Total Allocated Amount</b>		<b>1,50,00,00,000.00</b>	

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## Statement Giving Details of Project Financed through a Combination of loan

Form 8

TRANCHE NO

BP NO 5070000011

T00001

D00020

Unsecured Loan From PFC-V		
Source of Loan :	PFC-V	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	3,00,00,00,00,000	
Date of Drawl	15.06.2010	
Interest Type :	Floating	
Fixed Interest Rate :	-----	
Base Rate, If Floating Interest	D00020 - 7.37%	
Margin, If Floating Interest :	D00020 - 0.45%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	4 Years	
Moratorium effective from :	26.12.2008	
Repayment Period (Inc Moratorium) :	16 Years	
Repayment Frequency :	48 Quarterly Instalments	
Repayment Type :	FIFO	
First Repayment Date :	15.07.2013	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	FARAKKA-III	20,00,00,000.00
	NCTPP-DADRI-II	20,00,00,000.00
	BONGAIGAON	20,00,00,000.00
	BARH-II	60,00,00,000.00
	MAUDA	1,00,00,00,000.00
	VINDHYANCHAL-IV	50,00,00,000.00
	RIHAND-III	10,00,00,000.00
	SIPAT-I	20,00,00,000.00
	<b>Total Allocated Amount</b>	<b>3,00,00,00,000.00</b>

15.06.2010  
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15.06.2010  
15.06.2010  
15.06.2010  
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15.06.2010

## Statement Giving Details of Project Financed through a Combination of loan

Form 8

TRANCHE NO

BP NO 5070000011

T00001

D00022

Unsecured Loan From PFC-V		
Source of Loan :	PFC-V	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	4,00,00,00,00,000	
Date of Drawl	22.11.2010	
Interest Type :	Fixed with Reset after every 3 Years	
Fixed Interest Rate :	-----	
Base Rate, If Floating Interest	D00022-8.44%	
Margin, If Floating Interest :	D00022 - 0.45%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		

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Nishu



**Form 8**

Moratorium Period :	4 Years
Moratorium effective from :	26.12.2008
Repayment Period (Inc Moratorium) :	16 Years
Repayment Frequency :	48 Quarterly Instalments
Repayment Type :	FIFO
First Repayment Date :	15.07.2013

*Vistula*

## Form 8

Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	KAHALGAON II	20,00,00,000.00
	KOLDAM	10,00,00,000.00
	FARAKKA III	25,00,00,000.00
	NCTPP-DADRI-II	10,00,00,000.00
	SIMHADRI-II	10,00,00,000.00
	BONGAIGAON	20,00,00,000.00
	BARH-II	55,00,00,000.00
	MAUDA	40,00,00,000.00
	VINDHYACHAL IV	20,00,00,000.00
	RIHAND-III	35,00,00,000.00
	TALCHER-II	30,00,00,000.00
	RIHAND-II	15,00,00,000.00
	VINDHYACHAL III	50,00,00,000.00
	UNCHAHAR-III	20,00,00,000.00
	PAKRI BARWADIH	40,00,00,000.00
<b>Total Allocated Amount</b>		<b>4,00,00,00,000.00</b>

## Statement Giving Details of Project Financed through a Combination of loan

Form 8

TRANCHE NO

T00001

D00023

BP NO 5070000011

Unsecured Loan From PFC-V

Source of Loan :	PFC-V	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	3,50,00,00,000	
Date of Drawl :	0	
Interest Type :	Floating	
Fixed Interest Rate :	-----	
Base Rate, if Floating Interest :	D00023- 8.91%	
Margin, if Floating Interest :	D00023 - 0.45%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment :	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	4 Years	
Moratorium effective from :	28.12.2008	
Repayment Period (Inc Moratorium) :	16 Years	
Repayment Frequency :	48 Quarterly Instalments	
Repayment Type :	FIFO	
First Repayment Date :	15.07.2013	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-II	25,00,00,000.00
	MAUDA-I	25,00,00,000.00
	SIMHADRI-II	10,00,00,000.00
	VINDHYACHAL IV	25,00,00,000.00
	RIHAND-III	50,00,00,000.00
	BARH-I	1,00,00,00,000.00
	KOLDAM	10,00,00,000.00
	KORBA-III	25,00,00,000.00
	FARAKKA III	15,00,00,000.00
	NCTPP-DADRI-II	10,00,00,000.00
	TAPOVAN VISHNUGARH	15,00,00,000.00
	BONGAIGAON	40,00,00,000.00
<b>Total Allocated Amount</b>		<b>3,50,00,00,000.00</b>

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Jitendra

Statement Giving Details of Project Financed through a Combination of loan  
Form 8

BP NO 5070000011		TRANCHE NO T00001		D00029	
Unsecured Loan From PFC-V					
Source of Loan :	PFC-V				
Currency :	INR				
Amount of Loan :	1,00,00,00,00,000				
Total Drawn amount :	2,50,00,00,00,000				
Date of Drawl	0				
Interest Type :	Floating				
Fixed Interest Rate :	-----				
Base Rate, If Floating Interest	D00029-9.41%				
Margin, If Floating Interest :	D00029 - 0.45%				
Are there any Caps/ Floor :	Y/N				
Frequency of Intt. Payment	Monthly				
If Above is yes, specify Caps/ Floor :					
Moratorium Period :	4 Years				
Moratorium effective from :	26.12.2008				
Repayment Period (Inc Moratorium) :	16 Years				
Repayment Frequency :	48 Quarterly Instalments				
Repayment Type :	FIFO				
First Repayment Date :	15.07.2013				
Base Exchange Rate :	RUPEE				
Date of Base Exchange Rate :	N.A				
Project Code	Project Name	Amount			
	FARAKKA III	90,00,00,000.00			
	BARH-II	1,30,00,00,000.00			
	TANDA R&M	15,00,00,000.00			
	KORBA R&M	15,00,00,000.00			
<b>Total Allocated Amount</b>		<b>2,50,00,00,000.00</b>			

Statement Giving Details of Project Financed through a Combination of loan  
Form 8

BP NO 5070000011		TRANCHE NO T00001		D00031	
Unsecured Loan From PFC-V					
Source of Loan :	PFC-V				
Currency :	INR				
Amount of Loan :	1,00,00,00,00,000				
Total Drawn amount :	4,00,00,00,00,000				
Date of Drawl	0				
Interest Type :	Floating				
Fixed Interest Rate :	-----				
Base Rate, If Floating Interest	D00031 - 9.42%				
Margin, If Floating Interest :	D00031 - 0.45%				
Are there any Caps/ Floor :	Y/N				
Frequency of Intt. Payment	Monthly				
If Above is yes, specify Caps/ Floor :					
Moratorium Period :	4 Years				
Moratorium effective from :	26.12.2008				
Repayment Period (Inc Moratorium) :	16 Years				
Repayment Frequency :	48 Quarterly Instalments				
Repayment Type :	FIFO				
First Repayment Date :	15.07.2013				
Base Exchange Rate :	RUPEE				
Date of Base Exchange Rate :	N.A				
Project Code	Project Name	Amount			
	KOLDAM	58,00,00,000.00			
	TAPOVAN VISHNUGAD	15,00,00,000.00			
	FARAKKA-III	48,00,00,000.00			
	SIPAT-I	1,20,00,00,000.00			
	NCTPP-II	37,00,00,000.00			

**Form 8**

	BARH-II	40,00,00,000.00
	KORBA-III	62,00,00,000.00
	KAHALGAON-II	15,00,00,000.00
	SIPAT-II	5,00,00,000.00
<b>Total Allocated Amount</b>		<b>4,00,00,00,000.00</b>

*Vitendra*

Statement Giving Details of Project Financed through a Combination of loan  
Form 8

BP NO 5070000011	TRANCHE NO T00001	D00033
Unsecured Loan From PFC-V		
Source of Loan :	PFC-V	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	5,00,00,00,00,000	
Date of Draw :	0	
Interest Type :	Fixed with Reset after every 3 Years	
Fixed Interest Rate :	-----	
Base Rate, If Floating Interest :	D00033 - 9.48%	
Margin, If Floating Interest :	D00033 - 0.45%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment :	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	4 Years	
Moratorium effective from :	26.12.2008	
Repayment Period (Inc Moratorium) :	16 Years	
Repayment Frequency :	48 Quarterly Instalments	
Repayment Type :	FIFO	
First Repayment Date :	15.07.2013	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	SIPAT-I	90,00,00,000.00
	BARH-I	65,00,00,000.00
	BARH-II	80,00,00,000.00
	MOUDA-I	47,00,00,000.00
	BONGAIGAON	25,00,00,000.00
	RIHAND-III	38,00,00,000.00
	FARAKKA-III	1,31,00,00,000.00
	KORBA-III	7,00,00,000.00
	SIPAT-II	4,00,00,000.00
	KAHALGAON-II	8,00,00,000.00
	UNCHAHAR R&M	5,00,00,000.00
<b>Total Allocated Amount</b>		<b>5,00,00,00,000.00</b>

Statement Giving Details of Project Financed through a Combination of loan  
Form 8

BP NO 5070000011	TRANCHE NO T00001	D00036
Unsecured Loan From PFC-V		
Source of Loan :	PFC-V	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	5,00,00,00,00,000	
Date of Draw :	0	
Interest Type :	Floating	
Fixed Interest Rate :	-----	
Base Rate, If Floating Interest :	D00036 - 9.54%	
Margin, If Floating Interest :	D00036 - 0.45%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment :	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	4 Years	
Moratorium effective from :	26.12.2008	
Repayment Period (Inc Moratorium) :	16 Years	
Repayment Frequency :	48 Quarterly Instalments	
Repayment Type :	FIFO	
First Repayment Date :	15.07.2013	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	

**Form 8**

Project Code	Project Name	Amount
	BARH-II	2,75,00,00,000.00
	MOUDA-I	35,00,00,000.00
	VINDHYACHAL-IV	45,00,00,000.00
	SIPAT-I	1,05,00,00,000.00
	RIHAND-III	40,00,00,000.00
<b>Total Allocated Amount</b>		<b>5,00,00,00,000.00</b>

*V. S. S. S.*

Statement Giving Details of Project Financed through a Combination of loan  
Form 8

BP NO 5070000011	TRANCHE NO T00001	D00037
Unsecured Loan From PFC-V		
Source of Loan :	PFC-V	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	5,00,00,00,00,000	
Date of Draw :	0	
Interest Type :	Floating	
Fixed Interest Rate :	-----	
Base Rate, If Floating Interest :	D00037 - 9.61%	
Margin, If Floating Interest :	D00037 - 0.45%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intl. Payment :	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	4 Years	
Moratorium effective from :	26.12.2008	
Repayment Period (Inc Moratorium) :	16 Years	
Repayment Frequency :	48 Quarterly Instalments	
Repayment Type :	FIFO	
First Repayment Date :	15.07.2013	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	NCTPP-II	1,10,00,00,000.00
	MOUDA-I	1,20,00,00,000.00
	VINDHYACHAL-IV	1,45,00,00,000.00
	BARH-II	80,00,00,000.00
	KORBA-III	30,00,00,000.00
	KAHALGAON-II	15,00,00,000.00
<b>Total Allocated Amount</b>		<b>5,00,00,00,000.00</b>

Statement Giving Details of Project Financed through a Combination of loan  
Form 8

BP NO 5070000011	TRANCHE NO T00001	D00038
Unsecured Loan From PFC-V		
Source of Loan :	PFC-V	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	4,50,00,00,00,000	
Date of Draw :	0	
Interest Type :	Floating	
Fixed Interest Rate :	-----	
Base Rate, If Floating Interest :	D00038 - 9.62%	
Margin, If Floating Interest :	D00038 - 0.45%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intl. Payment :	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	4 Years	
Moratorium effective from :	26.12.2008	
Repayment Period (Inc Moratorium) :	16 Years	
Repayment Frequency :	48 Quarterly Instalments	
Repayment Type :	FIFO	
First Repayment Date :	15.07.2013	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount

**Form 8**

	RIHAND-III	1,40,00,00,000.00
	PAKRI BARWADIH	35,00,00,000.00
	SIPAT-I	30,00,00,000.00
	SIMHADRI-II	1,15,00,00,000.00
	FARAKKA-III	45,00,00,000.00
	BARH-II	20,00,00,000.00
	BONGAIGAON	65,00,00,000.00
	<b>Total Allocated Amount</b>	<b>4,50,00,00,000.00</b>

*Vitendra*





**Form 8**

	MOUDA-II	84,00,00,000
	NORTH KARANPURA	24,00,00,000
	RAMMAM	9,00,00,000
	SOLAPUR	1,11,00,00,000
	TANDA-II	7,00,00,000
	TAPOVAN VISHNUGARH	38,00,00,000
	UNCHAHAR-IV	41,00,00,000
	VINDHYACHAL-V	57,00,00,000
	<b>Total Allocated Amount</b>	<b>10,00,00,00,000.00</b>

*Vitendras*

Statement Giving Details of Project Financed through a Combination of loan  
Form 8

BP NO 5050000442		TRANCHE NO T00001	D0008
Unsecured Loan From SBI-VIII			
Source of Loan :	SBI-VIII		
Currency :	INR		
Amount of Loan :	1,00,00,00,00,000		
Total Drawn amount :	5,00,00,00,000		
Interest Type :	Floating		
Fixed Interest Rate :	-----		
Base Rate, If Floating Interest	D0008-9.30%		
Margin, If Floating Interest :	0.00%		
Are there any Caps/ Floor :	Y/N		
Frequency of Intt. Payment	Monthly		
If Above is yes, specify Caps/ Floor :			
Moratorium Period :	6 Years		
Moratorium effective from :	21.01.2015		
Repayment Period (Inc Moratorium) :	9 Years		
Repayment Frequency :	9 Yearly Installments		
Repayment Type :	AVG		
First Repayment Date :	31.01.2022		
Base Exchange Rate :	RUPEE		
Date of Base Exchange Rate :	N.A.		
Project Code	Project Name	Amount	
	BARH-I		54,00,00,000
	TAPOVAN VISHNUGAD		13,00,00,000
	BONGAIGAON		23,00,00,000
	BARH-II		22,00,00,000
	KUDGH-I		81,00,00,000
	MOUDA-II		25,00,00,000
	SOLAPUR		35,00,00,000
	VINDHYACHAL-V		13,00,00,000
	LARA-I		65,00,00,000
	GADARWARA		49,00,00,000
	UNCHAHAH-IV		10,00,00,000
	NORTH KARANPURA		8,00,00,000
	DARLIPALLI		34,00,00,000
	TANDA-II		26,00,00,000
	PAKRI BARWADIH		12,00,00,000
	RIHAND-III		10,00,00,000
	<b>Total Allocated Amount</b>		<b>5,00,00,00,000</b>

*Vitendra*

Statement Giving Details of Project Financed through a Combination of loan  
Form 8

BP NO 5050000442		TRANCHE NO T00001	D00013
Unsecured Loan From SBI-VIII			
Source of Loan :	SBI-VIII		
Currency :	INR		
Amount of Loan :	1,00,00,00,00,000		
Total Drawn amount :	4,00,00,00,000		
Interest Type :	Floating		
Fixed Interest Rate :	-----		
Base Rate, If Floating Interest	D00013-9.30%		
Margin, If Floating Interest :	0.00%		
Are there any Caps/ Floor :	Y/N		
Frequency of Intt. Payment	Monthly		
If Above is yes, specify Caps/ Floor :			
Moratorium Period :	6 Years		
Moratorium effective from :	21.01.2015		
Repayment Period (Inc Moratorium) :	9 Years		
Repayment Frequency :	9 Yearly Installments		
Repayment Type :	AVG		
First Repayment Date :	31.01.2022		
Base Exchange Rate :	RUPEE		
Date of Base Exchange Rate :	N.A.		
<b>Project Code</b>	<b>Project Name</b>	<b>Amount</b>	
	BARH-I	18,00,00,000	
	BONGAIGOAN	14,00,00,000	
	DARLIPALLI	45,00,00,000	
	GADARWARA	50,00,00,000	
	KUDGI	45,00,00,000	
	LARA	72,00,00,000	
	MOUDA-II	32,00,00,000	
	SOLAPUR	45,00,00,000	
	UNCHAAR-IV	21,00,00,000	
	RAMMAM	15,00,00,000	
	BARH-II	18,00,00,000	
	VINDHYACHAL-IV	13,00,00,000	
	MOUDA-I	12,00,00,000	
	<b>Total Allocated Amount</b>	<b>4,00,00,00,000</b>	

Statement Giving Details of Project Financed through a Combination of loan  
Form 8

BP NO 5050000442		TRANCHE NO T00001	D00015
Unsecured Loan From SBI-VIII			
Source of Loan :	SBI-VIII		
Currency :	INR		
Amount of Loan :	1,00,00,00,00,000		
Total Drawn amount :	1,50,00,00,000		
Interest Type :	Floating		
Fixed Interest Rate :	-----		
Base Rate, If Floating Interest	D00015-9.30%		
Margin, If Floating Interest :	0.00%		
Are there any Caps/ Floor :	Y/N		
Frequency of Intt. Payment	Monthly		
If Above is yes, specify Caps/ Floor :			
Moratorium Period :	6 Years		
Moratorium effective from :	21.01.2015		
Repayment Period (Inc Moratorium) :	9 Years		
Repayment Frequency :	9 Yearly Installments		
Repayment Type :	AVG		
First Repayment Date :	31.01.2022		
Base Exchange Rate :	RUPEE		
Date of Base Exchange Rate :	N.A.		

**Form 8**

Project Code	Project Name	Amount
	BARH-I	35,00,00,000
	BONGAIGAON	20,00,00,000
	DARLIPALLI	20,00,00,000
	UNCHAHAR-IV	20,00,00,000
	GADARWARA	20,00,00,000
	MOUDA-II	20,00,00,000
	BARH-II	15,00,00,000
<b>Total Allocated Amount</b>		<b>1,50,00,00,000</b>

*V. S. S. S.*

Statement Giving Details of Project Financed through a Combination of loan  
Form 8

BP NO 5050000442		TRANCHE NO T00001	D00021
Unsecured Loan From SBI-VIII			
Source of Loan :	SBI-VIII		
Currency :	INR		
Amount of Loan :	1,00,00,00,00,000		
Total Drawn amount :	2,50,00,00,000		
Date of Drawl :	21.09.2016		
Interest Type :	Floating		
Fixed interest Rate :	-----		
Base Rate, If Floating Interest :	D00021-9.10%		
Margin, If Floating Interest :	0.00%		
Are there any Caps/ Floor :	Y/N		
Frequency of Intt. Payment :	Monthly		
If Above is yes, specify Caps/ Floor :			
Moratorium Period :	6 Years		
Moratorium effective from :	21.09.2016		
Repayment Period (Inc Moratorium) :	15 Years		
Repayment Frequency :	9 Yearly Installments		
Repayment Type :	AVG		
First Repayment Date :	31.01.2022		
Base Exchange Rate :	RUPEE		
Date of Base Exchange Rate :	N.A.		
<b>Project Code</b>	<b>Project Name</b>		<b>Amount</b>
	BONGAIGAON		40,00,00,000
	MOUDA-II		15,00,00,000
	KUDGI		84,00,00,000
	BARH-II		8,00,00,000
	KOLDAM		18,00,00,000
	RIHAND-III		57,00,00,000
	VINDHYACHAL-IV		21,00,00,000
	MOUDA-I		7,00,00,000
	<b>Total Allocated Amount</b>		<b>2,50,00,00,000</b>

Statement Giving Details of Project Financed through a Combination of loan  
Form 8

BP NO 5050000421		TRANCHE NO T00001	D00004
Unsecured Loan From HDFC Bank Ltd.-III			
Source of Loan :	HDFC Bank Ltd.-III		
Currency :	INR		
Amount of Loan :	20,00,00,00,000		
Total Drawn amount :	1,50,00,00,000		
Date of Drawl :	21.04.2016		
Interest Type :	Floating		
Fixed Interest Rate :			
Base Rate, If Floating Interest :	D00004-9.30%		
Margin, If Floating Interest :	NIL		
Are there any Caps/ Floor :	Y/N		
Frequency of Intt. Payment :	MONTHLY		
If Above is yes, specify Caps/ Floor :			
Moratorium Period :	6 Years		
Moratorium effective from :	21.04.2016		
Repayment Period (Inc Moratorium) :	15 Years		
Repayment Frequency :	9 Yearly Instalment		
Repayment Type :	AVG		
First Repayment Date :	04.12.2021		
Base Exchange Rate :	RUPEE		
Date of Base Exchange Rate :	N.A.		
<b>Project Code</b>	<b>Project Name</b>		<b>Amount</b>
	TAPOVAN VISHNUGAD		25,00,00,000

21.04.2016

**Form 8**

	SOLAPUR	30,00,00,000	21.04.2016
	KHARGONE	30,00,00,000	21.04.2016
	BARH-II	57,00,00,000	21.04.2016
	SINGRAULI HYDRO	4,00,00,000	21.04.2016
	TELANGANA	4,00,00,000	21.04.2016
	<b>Total Allocated Amount</b>	<b>1,50,00,00,000</b>	

*Nitendra*





**Form 8**

	KUDGI	10,00,00,000.00	17.04.2017
	MOUDA-II	95,00,00,000.00	17.04.2017
	BARH - II	30,00,00,000.00	17.04.2017
	VINDHYACHAL-V	22,00,00,000.00	17.04.2017
	KOLDAM	38,00,00,000.00	17.04.2017
	RIHAND-III	5,00,00,000.00	17.04.2017
	<b>Total Allocated Amount</b>	<b>2,00,00,00,000.00</b>	

*Vishwadev*

Statement Giving Details of Project Financed through a Combination of loan  
Form 8

TRANCHE NO  
T00001

D0004

BP NO 5050000531

## Unsecured Loan From SBI-IX

Source of Loan :	SBI-IX		
Currency :	INR		
Amount of Loan :	30,00,00,00,000		
Total Drawn amount :	2,00,00,00,000		
Date of Drawal :	01.09.2017		
Interest Type :	Floating		
Fixed Interest Rate :	-----		
Base Rate, If Floating Interest :	7.90%		
Margin, If Floating Interest :	0.00%		
Are there any Caps/ Floor :	Y/N		
Frequency of Intt. Payment :	Monthly		
If Above is yes, specify Caps/ Floor :			
Moratorium Period :	3 Years		
Moratorium effective from :	01.09.2017		
Repayment Period (Inc Moratorium) :	12 Years		
Repayment Frequency :	9 Yearly Installments		
Repayment Type :	AVG		
First Repayment Date :	31.03.2021		
Base Exchange Rate :	RUPEE		
Date of Base Exchange Rate :	N.A.		
<b>Project Code</b>	<b>Project Name</b>	<b>Amount</b>	
	UNCHAHAR STPP IV	25,00,00,000	01.09.2017
	ROJMAL WIND	55,00,00,000	01.09.2017
	BARH - II	5,00,00,000	01.09.2017
	KUDGI	1,15,00,00,000	01.09.2017
	<b>Total Allocated Amount</b>	<b>2,00,00,00,000.00</b>	

Statement Giving Details of Project Financed through a Combination of loan  
Form 8

TRANCHE NO  
T00001

D00001

BP NO 50500000541

## Unsecured Loan From ICICI-VI

Source of Loan :	ICICI-VI		
Currency :	INR		
Amount of Loan :	30,00,00,00,000		
Total Drawn amount :	4,00,00,00,000		
Date of Drawal :	11.09.2017		
Interest Type :	Floating		
Fixed Interest Rate :			
Base Rate, If Floating Interest :	7.90%		
Margin, If Floating Interest :	NIL		
Are there any Caps/ Floor :	Y/N		
Frequency of Intt. Payment :	MONTHLY		
If Above is yes, specify Caps/ Floor :			
Moratorium Period :	6 Years		
Moratorium effective from :	11.09.2017		
Repayment Period (Inc Moratorium) :	15 years		
Repayment Frequency :	9 Yearly Instalment		
Repayment Type :	AVG		
First Repayment Date :	11.09.2024		
Base Exchange Rate :	RUPEE		
Date of Base Exchange Rate :	N.A.		
<b>Project Code</b>	<b>Project Name</b>	<b>Amount</b>	
	GADARWARA	75,00,00,000.00	11.09.2017

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*Handwritten signature*

**Form 8**

	TAPOVAN VISHNUGARH	60,00,00,000.00	11.09.2017
	BARH-I	1,75,00,00,000.00	11.09.2017
	RAMMAM	25,00,00,000.00	11.09.2017
	BARH - II	10,00,00,000.00	11.09.2017
	VINDHYACHAL-V	55,00,00,000.00	11.09.2017
	Total Allocated Amount	4,00,00,00,000.00	

*Vitendero*

Statement Giving Details of Project Financed through a Combination of loan  
Form 8BP NO 5050000551 TRANCHE NO T00001 D00002  
Unsecured Loan From SBI-X

Source of Loan :	SBI- X	
Currency :	INR	
Amount of Loan :	40,00,00,00,000	
Total Drawn amount :	2,00,00,00,000	
Date of Drawal :	04.10.2017	
Interest Type :	Floating	
Fixed Interest Rate :	-----	
Base Rate, If Floating Interest :	7.90%	
Margin, If Floating Interest :	0.00%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment :	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	6 Years	
Moratorium effective from :	04.10.2017	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	9 Yearly Installments	
Repayment Type :	AVG	
First Repayment Date :	01.10.2024	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
<b>Project Code</b>	<b>Project Name</b>	<b>Amount</b>
	SOLAPUR	20,00,00,000 04.10.2017
	LARA	20,00,00,000 04.10.2017
	DARLIPALLI	25,00,00,000 04.10.2017
	TANDA-II	35,00,00,000 04.10.2017
	KHARGONE	30,00,00,000 04.10.2017
	TELANGANA	15,00,00,000 04.10.2017
	BARH - II	15,00,00,000 04.10.2017
	KOLDAM	20,00,00,000 04.10.2017
	PAKRI BARWADIH CMB	20,00,00,000 04.10.2017
	<b>Total Allocated Amount</b>	<b>2,00,00,00,000.00</b>

Statement Giving Details of Project Financed through a Combination of loan  
Form 8BP NO 5050000551 TRANCHE NO T00001 D00004  
Unsecured Loan From SBI-X

Source of Loan :	SBI-X	
Currency :	INR	
Amount of Loan :	40,00,00,00,000	
Total Drawn amount :	1,00,00,00,000	
Date of Drawal :	21.12.2017	
Interest Type :	Floating	
Fixed Interest Rate :	-----	
Base Rate, If Floating Interest :	7.90%	
Margin, If Floating Interest :	0.00%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment :	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	6 Years	
Moratorium effective from :	21.12.2017	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	9 Yearly Installments	
Repayment Type :	AVG	
First Repayment Date :	01.10.2024	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	

**Form 8**

Project Code	Project Name	Amount	
	TELANGANA	5,00,00,000	21.12.2017
	KUDGI	75,00,00,000	21.12.2017
	BARH - II	5,00,00,000	21.12.2017
	VINDHYACHAL-V	15,00,00,000	21.12.2017
<b>Total Allocated Amount</b>		<b>1,00,00,00,000.00</b>	

*Vitendra*

Statement Giving Details of Project Financed through a Combination of loan  
Form 8

BP NO 5050000561		TRANCHE NO T00001		D00003	
Unsecured Loan From HDFC Bank Ltd. V					
Source of Loan :	HDFC Bank Ltd. V				
Currency :	INR				
Amount of Loan :	25,00,00,00,000				
Total Drawn amount :	2,00,00,00,000				
Date of drawl	13.11.2017				
Interest Type :	Floating				
Fixed Interest Rate :					
Base Rate, If Floating Interest	7.90%				
Margin, If Floating Interest :	NIL				
Are there any Caps/ Floor :	Y/N				
Frequency of Intt. Payment	MONTHLY				
If Above is yes, specify Caps/ Floor :					
Moratorium Period :	6 Years				
Moratorium effective from :	13.11.2017				
Repayment Period (Inc Moratorium) :	15 Years				
Repayment Frequency :	9 Yearly Instalment				
Repayment Type :	AVG				
First Repayment Date :	25.09.2024				
Base Exchange Rate :	RUPEE				
Date of Base Exchange Rate :	N.A.				
Project Code	Project Name				Amount
	SOLAPUR			77,00,00,000	13.11.2017
	PAKRI BARWADIH COAL MINE			25,00,00,000	13.11.2017
	BONGAIGAON			27,00,00,000	13.11.2017
	TELANGANA			12,00,00,000	13.11.2017
	BARH - II			10,00,00,000	13.11.2017
	ROJMAL WIND			15,00,00,000	13.11.2017
	LARA			10,00,00,000	13.11.2017
	CHATTI BARIATU CMB			15,00,00,000	13.11.2017
	DULANGA COAL MINE			8,00,00,000	13.11.2017
	<b>Total Allocated Amount</b>			<b>2,00,00,00,000</b>	

Statement Giving Details of Project Financed through a Combination of loan  
Form 8

BP NO 5050000711		TRANCHE NO T00001		D00001	
Unsecured Loan From Punjab National Bank-IV					
Source of Loan :	Punjab National Bank-IV				
Currency :	INR				
Amount of Loan :	20,00,00,00,000				
Total Drawn amount :	20,00,00,00,000				
Date of Drawl	01.01.2019				
Interest Type :	Floating				
Fixed Interest Rate :					
Base Rate, If Floating Interest	8.60%				
Margin, If Floating Interest :	0.00%				
Are there any Caps/ Floor :	Y/N				
Frequency of Intt. Payment	MONTHLY				
If Above is yes, specify Caps/ Floor :					
Moratorium Period :	3 Years				
Moratorium effective from :	01.01.2019				
Repayment Period (Inc Moratorium) :	12 Years				
Repayment Frequency :	9 Yearly Instalment				
Repayment Type :	AVG				
First Repayment Date :	14.02.2023				
Base Exchange Rate :	RUPEE				
Date of Base Exchange Rate :	N.A.				
Project Code	Project Name				Amount

**Form 8**

	UNCHAHAR STPP IV	65,00,00,000.00	01.01.2019
	TANDA-II	85,00,00,000.00	01.01.2019
	NCTPP-II	38,43,00,000.00	01.01.2019
	DADRI GAS R&M	56,00,00,000.00	01.01.2019
	KORBA-III	15,00,00,000.00	01.01.2019
	SIPAT-II	17,14,00,000.00	01.01.2019
	FARAKKA-III	8,57,00,000.00	01.01.2019
	KAHALGAON-II	17,14,00,000.00	01.01.2019
	BARH-I	1,08,57,00,000.00	01.01.2019

V. Jeyaraj

**Form 8**

BARH-II	8,00,00,000.00	01.01.2019
NORTH KARANPURA	1,09,00,00,000.00	01.01.2019
KOLDAM	6,43,00,000.00	01.01.2019
TAPOVAN VISHNUGAD	28,57,00,000.00	01.01.2019
PAKRI BARWADIH	1,42,00,00,000.00	01.01.2019
CHATTI BARIATU	10,00,00,000.00	01.01.2019
BONGAIGAON	36,43,00,000.00	01.01.2019
KUDGI	60,00,00,000.00	01.01.2019
LARA	1,23,00,00,000.00	01.01.2019
GADARWARA	2,27,72,00,000.00	01.01.2019
DARLIPALLI	2,73,00,00,000.00	01.01.2019
KHARGONE	50,00,00,000.00	01.01.2019
ANANTPUR SOLAR	17,00,00,000.00	01.01.2019
TALAI PALI COAL MINE	5,00,00,00,000.00	01.01.2019
<b>Total Allocated Amount</b>	<b>20,00,00,00,000.00</b>	

**Statement Giving Details of Project Financed through a Combination of loan**

**Form 8**

BP NO 50500001041	TRANCHE NO T00001	D00001
Unsecured Loan From Bank Of India-IV		

Source of Loan :	Bank Of India-IV
Currency :	INR
Amount of Loan :	220000000000
Total Drawn amount :	16,00,00,00,000
Date of Drawal :	07.12.2020
Interest Type :	Floating
Fixed Interest Rate :	
Base Rate, If Floating Interest :	6.00%
Margin, If Floating Interest :	NIL
Are there any Caps/ Floor :	Y/N
Frequency of Intt. Payment :	Monthly
If Above is yes, specify Caps/ Floor :	
Moratorium Period :	3 Years
Moratorium effective from :	07.12.2020
Repayment Period (Inc Moratorium) :	15 Years
Repayment Frequency :	Yearly
Repayment Type :	AVG
First Repayment Date :	07.12.2024
Base Exchange Rate :	RUPEE
Date of Base Exchange Rate :	

Project Code	Project Name	Amount
	UNCHAHAH SOLAR PV	16,00,00,000
	VINDHYACHAL-V	60,00,00,000
	TALCHER SOLAR PV	20,00,00,000
	BARH I	20,00,00,000
	BARH-II	88,00,00,000
	KOLDAM	80,00,00,000
	PAKRI BARWADIH CMB	2,00,00,00,000
	SOLAPUR	1,72,00,00,000
	KUDGI	2,72,00,00,000
	LARA	1,36,00,00,000
	GADARWARA	1,46,00,00,000
	RAJGARH SOLAR PV	64,00,00,000
	LATA TAPOVAN	36,00,00,000
	DARLIPALLI	1,60,00,00,000
	BILHAUR SOLAR 140MW	60,00,00,000
	BILHAUR SOLAR 85MW	16,00,00,000
	SAMBHU KI BHURJ-II-TOKALA	54,00,00,000
	<b>Total Allocated Amount</b>	<b>16,00,00,00,000</b>

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*Vijendra*



Statement Giving Details of Project Financed through a Combination of loan		
Form 8		
TRANCHE NO		
BP NO 5050000981	T00001	D00004
Unsecured Loan From HDFC Bank Ltd. IX		
Source of Loan :	HDFC Bank Ltd. IX	
Currency :	INR	
Amount of Loan :	50,00,00,00,000	
Total Drawn amount :	16,10,00,00,000	
Date of draw :	24.08.2020	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, if Floating Interest :	6.30%	
Margin, if Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intl. Payment :	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	24.08.2020	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	12 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	30.06.2024	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-II	2,54,31,57,061
	BONGAIGAON	2,06,81,00,000
	CHATTI BARIATU CMP	13,60,00,000
	JETSAR SOLAR	20,00,00,000
	KAHALGAON-II	11,43,64,133
	KHARGONE	1,20,00,00,000
	KOLDAM	4,54,00,000
	KORBA-III	2,14,43,267
	KUDGI	45,00,00,000
	LARA-I	7,85,71,430
	MOUDA-I	69,46,38,787
	MOUDA-II	1,60,00,00,000
	NORTH KARANPURA	50,00,00,000
	PAKRI BARWADIH CMB	1,07,21,55,097
	RAMMAM	50,00,00,000
	RIHAND-III	20,43,00,000
	SIMHADRI-II	22,70,00,000
	SIPAT-I	18,57,38,787
	SOLAPUR	53,79,74,298
	TANDA-II	1,20,00,00,000
	UNCHAHR STPP IV	18,00,00,000
	VINDHYACHAL-IV	85,83,00,000
	VINDHYACHAL-V	1,48,28,57,140
	<b>Total Allocated Amount</b>	<b>16,10,00,00,000</b>

*W. S. S. S.*

Name of the Company : NTPC Ltd							
Name of the Generating Station : Barh STPS Stage - II ( 2X660 MW)							
2019-20							
Sr. No.	Bank	ROI on refinancing date	Date of refinancing	Refinanced with Bank	ROI of replaced Loan	savings	saving to be retained
1	United Bank of India IV	8.15%	23-12-2019	Bonds series 69	7.32%	0.83%	0.42%
2020-21							
Sr. No.	Bank	ROI on refinancing date	Date of refinancing	Refinanced with Bank	ROI of replaced Loan	savings	saving to be retained
1	Canara Bank-III	7.20%	24-08-2020	HDFC Bank-IX	6.30%	0.90%	0.45%
2	HUDCO	7.25%	24-08-2020	HDFC Bank-IX	6.30%	0.95%	
3	SYNDICATE -III	7.20%	24-08-2020	HDFC Bank-IX	6.30%	0.90%	
4	Vijaya Bank -IV	7.15%	24-08-2020	HDFC Bank-IX	6.30%	0.85%	
5	Vijaya bank -V	7.15%	24-08-2020	HDFC Bank-IX	6.30%	0.85%	
6	Power Finance Corporation - V	7.97%	15-10-2020	72	5.45%	2.52%	1.26%
7	Bank of India-II	6.70%	07-12-2020	Bank of India-IV	6.00%	0.70%	0.35%

*Vishwadev*

## Form 8- Domestic Bonds- Details of Allocation of corporate loans to various projects during the FY 2019-24

Particulars	69	72
Source of Loan <sup>1</sup>	BONDS	BONDS
Currency <sup>2</sup>	INR	INR
Amount of Loan sanctioned	4,30,000.00	4,00,000.00
Interest Type <sup>6</sup>	Fixed	Fixed
Fixed Interest Rate, if applicable	7.32%	5.45%
Base Rate, if Floating Interest <sup>7</sup>	N/A	N/A
Margin, if Floating Interest <sup>8</sup>	N/A	N/A
Are there any Caps/Floor <sup>9</sup>	No	No
If above is yes, specify caps/floor	N/A	N/A
Moratorium Period <sup>10</sup>	10	5
Moratorium effective from #	17-07-2019	15-10-2020
Repayment Period <sup>11</sup>	Bullet Repayment	Bullet Repayment
Repayment effective from	17-07-2029	15-10-2025
Repayment Frequency <sup>12</sup>	Bullet Repayment	Bullet Repayment
Repayment Instalment <sup>13,14</sup>	4,30,000.00	4,00,000.00
Base Exchange Rate <sup>16</sup>	N/A	N/A
Door to Door Maturity	10	5
<b>Name of the Projects</b>		
Anantpur Solar		
ANTA		
AURAIYA		
Auraiya R & M		
Badarpur R&M		
BARH I	84,200	3,867
BARH II	1,400	62,500
Bhadla Solar		
BONGAIGAON	17,100	27,200
Chatti Bariatu CMB	3,000	
Dadri Gas R & M		
DADRI GAS		
DARLIPALLI	40,000	
Dulanga CMB	5,000	
FARAKKA II		
FARAKKA III		37,900
Farakka R & M	1,000	
FARIDABAD		
GADARWARA	47,600	
GANDHAR		
Gandhar R & M		
Kahalgaon II Phase I		
Kahalgaon II Phase II		3,800
Khstpp R & M		

KAWAS		
Kawas R & M		
Khargone	13,500	
KOLDAM		
KORBA III		18,800
Korba R & M		9,900
Kudgi	21,500	1,500
KUDGI-FGD	2,500	
LARA I	10,600	
Lata Tapovan		
LOHARINAGPALA		
Mauda	6,000	30,500
Mauda II	29,000	
Mandsaur Solar		
NCPS-FGD	6,500	
NCTPP		
NCTPP II		31,733
NCTPP R & M		
NORTH KARANPURA	15,000	
Pakri Barwadih CMB		10,800
Ramagundam I & II R & M		
RAMAGUNDAM SOLAR	1,000	
RAMAGUNDAM III		
Rammam	2,500	
RIHAND II		
RIHAND III		31,400
Rihand R & M		700
SIMHADRI		
Simhadari II		38,700
Simhadari R & M		
Vidhyachal Hydro**		
Singrauli R & M	1,000	
Vindhyachal Solar**		
SIPAT I		34,500
SIPAT II		900
SOLAPUR	21,500	
TALCHER I		
TALCHER II		3,400
Tanda II	17,000	
Tanda R & M		1,500
Tapovan Vishnugad	16,600	10,600
Telangana	37,000	
TSTPP R & M		
TTPS R & M		
Unchahar R & M		500
Unchahar IV		
UNCHAHAR II		
Unchahar III		
VINDHYACHAL II		
Vindhyachal III		
Vindhyachal IV		39,300
Vindhyachal V		
Vindhyachal R & M		
DADRI SOLAR		
A&N SOLAR		
RAMAGUNDAM SOLAR		
TALCHER SOLAR		
UNCHAHAR SOLAR		
FARIDABAD SOLAR		
RAJGARH SOLAR		
Talaipali Coal Mine	11,500	
CC		
<b>TOTAL</b>	<b>4,12,000</b>	<b>4,00,000</b>

Name of the Company : NTPC Limited

Name of the Power Station : Barh Super Thermal Power Station Stage-II

Form-8

Particulars	3		5		5				
1	3	3	5		5				
Source of Loan	5.625% Fixed Rate Notes due 2021*	4.75% Fixed Rate Notes due 2022#	BTMU**		SBI, NEW YORK***				4.375% Fixed Rate Notes due 2024**
Drawal	-	-	I		II III IV				-
Currency	USD	USD	USD		USD				USD
Amount of loan sanctioned	50,00,00,000	50,00,00,000	300,000,000		250,000,000				50,00,00,000
Amount of Gross Loan drawn upto 17.02.2016 / COD	50,00,00,000	50,00,00,000	7,50,00,000	22,50,00,000	5,00,00,000	5,00,00,000	5,00,00,000	10,00,00,000	50,00,00,000
Interest Type	Fixed	Fixed	Floating		Floating				Fixed
Fixed Interest Rate, if applicable	5.625% *	4.75% #	-		-				4.375%
Base Rate, if floating interest*	-	-	6 Month LIBOR		6 Month LIBOR				-
Margin, if floating interest rate	-	-	1.20		1.85				-
Are there any Caps / Floor	NO	NO	NO		NO				NO
If above is Yes, specify Caps / Floor	-	-	-		-				-
Moratorium Period	10 Years	10 Years	5.50 Years		6 Years				10 Years
Moratorium effective from	14-Jul-2011	03-Oct-2012	15-Dec-2010		29-Jan-2013				26-Nov-2014
Repayment period	Bullet payment	Bullet payment	2 Years		1 Year				Bullet payment
Repayment effective from	14-Jul-2021	03-Oct-2022	15-Jun-2016		29-Jul-2019				26-Nov-2024
Repayment frequency	One time	One time	Semi Annual		Semi Annual				One time
Repayment installment	50,00,00,000	50,00,00,000	4 Half Yearly Instalments		2 Half Yearly Instalments				50,00,00,000
Base Exchange Rate (17.02.2016)	69.14	69.14	69.14		69.14				69.14
Are foreign currency loan hedged	NO	NO	NO		NO				NO
If above is Yes, specify details	-	-	-		-				-

Name of the Projects	%	%	%	%	%	%	%	%
Koldam	2.0570%	8.4273%						
Sipat-I	1.0060%	1.0900%						3.461000%
Bongaigaon	15.5700%	4.8526%						1.935000%
Tapovan Vishnugad	1.6940%	3.1659%						1.095000%
Rihand-III	17.5690%	9.5929%	13.69700%	17.93916%			8.38906%	
Barh-II	19.3670%	2.7817%	14.15800%	31.38904%			12.62330%	1.457000%
Vindhyachal-IV	19.7400%	10.6301%	19.78850%	17.77958%			13.58716%	
Simhadri-II	2.3370%	3.9948%	11.11800%	7.47548%				
Mouda-I	20.6600%	8.4848%	41.23850%	25.41663%				
Barh-I		11.2669%						6.61617%
Kudgi-I		5.0420%						23.80681%
Lara-I		15.2668%			27.89642%	9.40359%	8.33242%	18.668000%
Mouda-II		3.6033%			0.15026%			24.654000%
Solapur		5.4994%			28.94482%	23.26666%	7.53019%	9.692000%
Vindhyachal-V					14.89637%	10.07040%	5.57238%	13.495000%
Gadarwara					19.72072%		13.64250%	5.351000%
Kawas R&M		4.4580%			100.00000%	8.59141%		7.783000%
Gandhar R&M		0.2499%					24.15102%	
							33.10833%	

*Vishwanath*

Auraiya R&M		2.4381%						
Korba R&M		1.1375%						
North Karanpura								
Daripalli								0.769000%
Tanda-II								2.433000%
Unchahar-IV								5.137000%
								4.070000%

Notes:-

- a) The Interest rate is exclusive of withholding tax currently @ 21.83%( Inclusive of surcharge & education cess)\*
- b) The Interest rate is exclusive of withholding tax currently @ 5.4075%( Inclusive of surcharge & education cess)#
- c) The Interest rate is exclusive of withholding tax currently @ 10%( Inclusive of surcharge & education cess)\*\*
- d) The Interest rate is exclusive of withholding tax currently @5.4075%( Inclusive of surcharge & education cess) on Mizuho portion (10% of Loan)\*\*\*
- e) Base exchange rate are the SBI Bill selling rate as on 14.11.2014
- f) Distribution of loan package to various projects is based on utilisation of loan as on 14.11.2014

*Vitendra*

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Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner	NTPC Limited
Name of the Generating Station	Barh Super Thermal Power Station Stage-II
COD	08-03-2016
For Financial Year	2019-24 (Summary)

Sl. No.	Head of Work /Equipment	ACE Claimed (Actual / Projected)					Total	Justification	Amount in Rs Lakh Admitted Cost by the Commission, if any
		2019-20 (Actual)	2020-21 (Actual)	2021-22*	2022-23*	2023-24*			
I	2	3	4	5	6	7	8	9	10
<b>A.</b>	<b>Works under Original scope, Change in Law etc. eligible for RoE at Normal Rate</b>								
<b>I</b>	Original scope Works of Plant & Machinery including civil works.	1,971.79	668.29	3475.00	0.00	0.00	6115.07	Provided in respective Form 9A.	
<b>II</b>	Upgradation of HMI DCS (ABB)	0.00	0.00	0.00	0.00	600.00	600.00		
<b>III</b>	New works (Installation of Rooftop Solar, LED fixtures etc.)	391.43	55.31	0.00	0.00	0.00	446.73		
<b>IV</b>	Capital spares capitalisation	3,369.82	1,523.97	0.00	0.00	0.00	4893.79		
<b>V</b>	MBOA spares capitalisation	297.36	260.32	0.00	0.00	0.00	557.68		
<b>VIII</b>	Works towards augmentation of Railway infrastructure for transportation of coal up to receiving end of station.	-	-	39000.00	0.00	27465.00	66465.00		
<b>VII</b>	Construction of storage shed for hazardous waste disposal	-	-	0.00	26.00	60.00	86.00		
<b>VIII</b>	Zero Liquid Discharge system (ZLD)	-	-	0.00	0.00	121.00	121.00		
	<b>Total (A)</b>	<b>6,030.39</b>	<b>2,507.88</b>	<b>42,475.00</b>	<b>26.00</b>	<b>28,246.00</b>	<b>79,285.28</b>		
<b>B</b>	<b>Decapitalization /adjustment</b>								
<b>I</b>	Decap of spares part of capital cost.	- 1,643.17	-502.28	-	-	-	-2145.45	Unserviceable assets	
<b>II</b>	Decap of MBOA items part of capital cost	- 126.54	-32.29	-	-	-	-158.83		
<b>III</b>	Decap of Structures	-	-15.30	-	-	-	-15.30		
	<b>Total (B)</b>	<b>- 1,769.71</b>	<b>- 549.87</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>- 2,319.58</b>		
<b>C</b>	<b>Works beyond Original scope excluding add-cap due to Change in Law eligible for RoE at Wtd. Average rate of Interest</b>								
	<b>Total (C )</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		
<b>D</b>	<b>Add: Discharge of Liabilities (D)</b>	<b>14026.15</b>	<b>3519.68</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>17545.82</b>	Discharge of liabilities.	
	<b>Total Add. Cap. Claimed (A+B+C+D)</b>	<b>18286.83</b>	<b>5477.69</b>	<b>42475.00</b>	<b>26.00</b>	<b>28246.00</b>	<b>94511.52</b>		

\* FY 2021-24 to be provided at time of truing up

*(Signature)*  
(Petitioner)

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Name of the Petitioner		NTPC Ltd								
Name of the Generating Station		Barh Super Thermal Power Station Stage-II								
Station COD/ Date of Take over		08.03.2016								
For Financial Year		2019-20								
Sl. No.	Head of Work/Equipment	Accrual basis	Ind AS Adj.	Accrual basis as per IGAAP	ACE Claimed (Actual for 2019-20)			Regulations under which claimed	Justification	Admitted Cost by the Commission, if any
					Un-discharged Liability included in col. 3	Cash basis	IDC included in col. 3			
1	2	3	3A	3B = 3-3A	4	5 = (3B-4)	6	7	8	9
<b>A Items claimed</b>										
<b>A1 Original Scope Works plant and machinery (including civil Works)</b>										
AL1	Steam Generator Island & ESP	229.96	-197.80	32.17	0.00	32.17	0.00	25(1) along with Reg 76	Part of original scope, the work was completed before cutoff date with completion of facility on 17.02.2018, corresponding document attached at ( Annexure-1). Further, the agency was required to complete the remaining small works such as outstanding items/balance works,tests,defects etc. The current additional capitalization pertains to release of balance payment subsequent to rectification of balance works/defects, vendor discounting adj. etc. processed after cut off date. Hon'ble Commission may be pleased to allow the same.	
AL2	Turbine Generator & Auxiliaries	693.83	-693.83	0.00	0.00	0.00	0.00	25(1) along with Reg 76	Vendor discounting adj. towards work under Original Scope	
AL3	BOI Mechanical									
1	Ash Handling System & AWRS	34.06	0.00	34.06	8.67	25.38	0.00	25(1) along with Reg 76	Part of Original Scope, the work was awarded to M/s Unitech Machines limited and M/s DCIPS Pvt. Ltd. The agencies executing the original scope works of Ash Handling system and AWRS are in NCLT which has delayed the execution of work, (refer Annexure 2). While major works under the package have been completed before cutoff date, the current additional capitalization pertains to balance works and release of payments to sub vendors on basis of comfort letter from agency. Hon'ble Commission may be pleased to allow the same.	
2	Cool Handling System	1007.92	0.00	1007.92	4.19	1003.73	0.00	25(1) along with Reg 76	Part of original scope, the work was completed before cutoff date with completion of facility on 15.02.2018, corresponding document attached at ( Annexure-3) and the agency was required to complete outstanding items/balance works,tests and defects of the original scope towards the completion of facility and PG test of original scope works of Cool Handling carried out before cut-off date. The current additional capitalization pertains to release of balance payment subsequent to balance works/defects etc rectification processed after cut off date. Hon'ble Commission may be pleased to allow the same.	
3	Station Piping	0.24	0.00	0.24	0.23	0.00	0.00	25(1) along with Reg 76	Part of original scope, the work was completed before cutoff date with completion of facility on 14.02.2018, corresponding document attached at ( Annexure-4) and the agency was required to complete outstanding items/balance works,tests and defects of the original scope towards the completion of facility of Station piping carried out before cut-off date. However, the agency (M/s Unitech) executing the work is in NCLT attached at Annexure 2. The current additional capitalization pertains to release of balance payments to sub vendors subsequent to balance works/defects etc. rectification processed after cut off date. Hon'ble Commission may be pleased to allow the same.	
4	Air Condition & Ventilation System	3.05	0.00	3.05	0.46	2.59	0.00	25(1) along with Reg 76	Part of original Scope, the works are part of original scope of airconditioning and ventilation related to Air water room commissioning & during at TG, BC bay & ESP locations of Plant area. TG and part BC & ESP works of the system was completed and commissioned before cut-off date and capitalized (Annexure-5). The current expenditure pertains to release of balance payments subsequent to balance works/defects etc. rectification processed after cut off date. Hon'ble Commission may be pleased to allow the same.  Further, the balance works of part BC & part ESP in plant area got delayed due to Covid-19, as these are non COD related balance works though necessary for the long-term operation of the generating units, the petitioner will claim balance works at time of tripping up. Hon'ble Commission may please give liberty to claim the same at the time of Tripping.	

*Vishnu*



5	Fire Fighting System	2.62	0.00	2.62	0.57	2.05	0.00	25(1) along with Reg 76	Part of Original Scope, the work was awarded to M/s Unitech Machines limited. The agency executing the original scope works of firefighting system is in NCLT which has delayed the execution of work, refer Annexure_2. Work is being executed through direct payments to sub vendors on basis of comfort letter from agency. These works are required for safety and security of station as per CEA Regulation, 2010 for construction of power plants. Hon'ble Commission may be pleased to allow the same and in compliance of existing law.
TOTAL BOP Mechanical		1047.88	0.00	1047.88	14.13	1033.75	0.00		
A1.4 Civil works									
1	Main Plant/ Admn. Bldg.	255.32	0.00	255.32	27.01	228.30	0.00	25(1) along with Reg 76	These works are part of original scope of works and were executed before the cut off date and the agency was required to complete outstanding items/balance works and defects of the original scope. The balance works/defects related to flooring, painting, finishing etc. were taken up after completion of facility of Steam Turbine generator package on 20.01.2017, corresponding document attached at Annexure-6. Balance capitalization pertains to release of balance payment subsequent to balance works/defects and price variation etc. rectification processed after cut off date.
		160.29	0.00	160.29	33.05	137.24	0.00	25(1) along with Reg 76	Hon'ble Commission may be pleased to allow the same.
2	CW & Makeup water System	99.81	0.00	99.81	0.00	99.81	0.00	25(1) along with Reg 76	These works are part of original scope of works and majority of works were executed before the cut off date with completion of facility on 31.08.2018, corresponding document attached at Annexure-7 and the agency was required to complete outstanding balance works and defects of the original scope. Further, hindrances created by local people on land compensation issue for river bank protection and land filling in makeup water corridor works affected the balance work execution. Letter regarding hindrance by local people from the executing agency Nagarjuna Construction Company Ltd (NCCCL) are attached at Annexure-8. The current additional capitalization pertains to release of balance payment processed after cut off date. Hon'ble Commission may be pleased to allow the same.
3	Township & Colony	59.96	0.00	59.96	0.00	59.96	8.01	25(1) along with Reg 76	These works are part of original scope of works and were executed before the cut off date. The current additional capitalization pertains to release of balance payment processed after cut off date. Hon'ble Commission may be pleased to allow the same.
4	Road & Drainage	121.68	0.00	121.68	0.00	121.68	0.00	25(1) along with Reg 76	These works are part of original scope of works and were executed before the cut off date. The current additional capitalization pertains to release of balance payments processed after cut off date. Hon'ble Commission may be pleased to allow the same.
5	Interconnection ECR	258.67	0.00	258.67	0.00	258.67	0.00	25(1) along with Reg 76	The balance capitalization is towards original scope works of S&T carried out before cut-off date. The current additional capitalization pertains to release of balance payments processed after cut off date. Hon'ble Commission may be pleased to allow the same.
Total Civil works		955.93	0.00	955.93	50.06	905.87	8.01		
Sub Total (A1)		2927.61	-891.63	2035.98	64.19	1971.79	8.01		
A2 New Works									
A2.1	Installation of RoofTop Solar PV system	40.95	0.00	40.95	1.95	39.00	0.00	Reg 26(1) (b) along with Reg 76	Installation of roof top solar would reduce energy consumption of the station and help in reducing APC of station, benefits of the same have been reaped by the beneficiaries. Please refer to Para 54 of the petition.  In a similar case, Hon'ble Commission in its order dated 11.07.2020 in petition no. 276/GT/2019 has considered the additional capital expenditure incurred and stated as under: "21. Considering the resolve of the Central Government to promote renewable energy and in terms of Regulation 8(6) of its 2014 Tariff Regulations which provides for sharing of gains in respect of variation of Auxiliary Energy consumption (by way of lower ECR because of lower auxiliary consumption in comparison to normative auxiliary consumption), we allow the additional capital expenditure of Rs.15 lakh incurred by the Petitioner towards the installation of Solar Power Roof Top System."  Hon'ble Commission may be pleased to allow the same.

*Vitender*

A2.2	Installation of LED Lighting Fixtures	352.43	0.00	352.43	0.00	352.43	0.00	Reg 26(1) (b) along with Reg 76	Hon'ble Prime Minister of India on 05.01.2015 launched National LED Programme with an objective to reduce energy consumption by using energy efficient lighting. In line with the objective, Unnat Jyoti by Affordable LEDs for All (UJALA) and Street Lighting National Programme is being implemented by EESL. In this regard, through MoP, Govt vide letter dated 02.08.2017 NTPC was mandated to replace all old bulbs with LED bulbs in all NTPC buildings including compound/ street lighting occupied by NTPC. Any directions of Government of India is required to be implemented and has the force of Law. In order to comply with the directions of Govt. of India contained in the letter dated 02.08.2017, NTPC took the work of replacing the old lights with LED lighting in the premises of the station compound/ building owned and operated by NTPC, refer Para 41 of the petition. The additional capitalization of capex nature pertains to installation of LED lighting fixtures by replacing the existing ones. Accordingly, Hon'ble Commission may be pleased to allow the said capitalization under change in law.
Sub Total (A2)		393.38	0.00	393.38	1.95	391.43	0.00		
A3	Capital spares capitalisation	3605.27	0.00	3605.27	235.45	3369.82	0.00	Reg 24(1)(c) with Reg 76	P.O. for these capital spares within original scope was placed before the cut-off date of station i.e. 31.03.2019, some of these purchase orders are placed at Annexure-9. However materials were in transit and received in store after cut-off date. The receipt of these spares was delayed beyond cut-off date due to normal lead time in delivery of capital spares, imported type nature etc. Also, spares are meant for efficient and sustained operation of the station and are replaced with time for availability of system. Hon'ble Commission may be pleased to allow the same.
A4	MBOA capitalisation								
A4.1	Miscellaneous Tools & Tackles (P&M) etc.	346.37	0.00	346.37	85.28	261.09	0.00	Reg 25 (3) (a)	These are the miscellaneous assets which have been bought and capitalised to replace such assets whose life is not commensurate with the useful life of the plant and have been decapitalised. Further, to replace such assets of minor nature, Regulation 25(2)(4) has been provided in lieu of Compensation Allowance. Therefore, capitalisation of these MBOA assets of minor nature may please be allowed accordingly under Reg. 25(2)(a).
A4.2	Communication Equipment	13.14	0.00	13.14	10.31	2.83	0.00		
A4.3	Other Office Equipments & Furniture	33.63	0.00	33.63	0.19	33.44	0.00		
Sub Total (A4)		393.14	0.00	393.14	95.78	297.36	0.00		
A5	Decap of MBOA items part of capital cost	-49.52	-77.02	-126.54	0.00	-126.54	0.00		
A6	Package FERV							25(1)	These are reinstatement of liabilities due to Foreign Exchange Rate Variation corresponding to Original Scope of works. Hon'ble Commission may be pleased to allow the same.
	BHEL -SG	1051.41	0.00	1051.41	1051.41	0.00	0.00		
	BHEL-ESP	15.65	0.00	15.65	15.65	0.00	0.00		
	BHEL-TG	534.56	0.00	534.56	534.56	0.00	0.00		
	ABB India Limited	13.95	0.00	13.95	13.95	0.00	0.00		
	UNITECH MACHINES LTD	3.94	0.00	3.94	3.94	0.00	0.00		
Sub Total (A6)		1619.51	0.00	1619.51	1619.51	0.00	0.00		
A7	Decap of spares part of capital cost.	-1,447.66	-195.51	-1643.17	0.00	-1643.17	0.00	Reg 26(2)	These spares were part of capital cost, have become unserviceable. Therefore, to be removed from capital cost after de-capitalization.
Subtotal Add Cap (A1 to A7)		7441.73	-1164.16	6277.57	2016.89	4268.68	8.01		
A8	Add: Discharge of liability corresponding to allowed/Claimed works					14026.15	0.00	Reg 25(1)(5)	Details in Form-18 i.e. Liability Flow Statement.
Total of Additional Capitalization (A)		7,441.73	-1,164.16	6,277.57	2,016.89	18286.83	8.01		

*Vishnu*

Name of the Petitioner		NTPC Ltd									
Name of the Generating Station		Barh Super Thermal Power Station Stage-II									
Station COD/ Date of Take over		08.03.2016									
For Financial Year		2020-21									
Sl. No.	Head of Work /Equipment	ACE Claimed (Actual for 2020-21)							Regulations under which claimed	Justification	Admitted Cost by the Commission, if any
		Accrual basis	Ind AS Adj.	Accrual basis as per IGAAP	Un-discharged Liability included in col. 3	Cash basis	IDC included in col. 3				
1	2	3	3A	3B = 3+3A	4	5= (3B-4)	6	7	8	9	
A	Items claimed										
A	Original Scope Works: plant and machinery (including civil Works)										
Al.1	BOP Mechanical										
1	Ash Handling System & AWRS	84.67	0.00	84.67	5.22	79.45	0.00	25(1) along with Reg 76	Balance capitalisation of works claimed in 2020-21, Justification provided in Form 9 of 2019-20		
		45.93	0.00	45.93	45.74	0.19	0.00	25(1) along with Reg 76			
2	Station Piping	39.67	0.00	39.67	0.00	39.67	0.00	25(1) along with Reg 76	Balance capitalisation of works claimed in 2020-21, Justification provided in Form 9 of 2019-20		
3	Air Condition & Ventilation System	0.60	0.00	0.60	0.60	0.00	0.00	25(1) along with Reg 76	Balance capitalisation of works claimed in 2020-21, Justification provided in Form 9 of 2019-20		
	<b>TOTAL BOP Mechanical</b>	<b>170.87</b>	<b>0.00</b>	<b>170.87</b>	<b>51.55</b>	<b>119.32</b>	<b>0.00</b>				
Al.2	Civil works										
1	Main Plant/ Admn. Bldg.	11.37	0.00	11.37	0.00	11.37	0.00	25(1) along with Reg 76	Balance capitalisation of works claimed in 2020-21, Justification provided in Form 9 of 2019-20		
2	Township & Colony	0.25	0.00	0.25	0.00	0.25	0.00	25(1) along with Reg 76	Balance capitalisation of works claimed in 2020-21, Justification provided in Form 9 of 2019-20		
	<b>Total Civil works</b>	<b>11.62</b>	<b>0.00</b>	<b>11.62</b>	<b>0.00</b>	<b>11.62</b>	<b>0.00</b>	25(1) along with Reg 76			
Al.4	Online coal Analyser	569.73	0.00	569.73	79.11	490.62	0.00	26(1)(b)	<p>MOEF Vide OM dated 26.08.2015 (Annexure 10) had mandated all coal based thermal power plants with installed capacity of 100 MW and above located at a distance of 500 kms and above from coal source for sampling and analysis of coal and reporting of compliance in respect of use and supply of raw or blended coal with ash content not exceeding 34% as content in coal. It is also directed that real time monitoring using auto mechanical sampling (online) from moving stream of coal to be used for sampling fields. As the prison station is located at a distance from the linked mine and also source coal from other mines under flexible coal utilization scheme, the petitioner has to necessarily incur the expenditure for installation of online coal analyser to comply with the direction of MOEF, Gov. PO for same was awarded within cut-off period but delivery of the equipment was delayed due to the fact that Coal analyser is fitted with radioactive source, hence due to safety reason it is regulated by AERB. NOC for same was issued by AERB for import of coal analyser in FY 20-21 (Annexure 11)</p> <p>In a similar cases, Hon'ble Commission in its order dated 12.12.2021 in Petition No. 438/CI/2020 has considered the additional capital expenditure incurred and stated as under:</p> <p>" 26. The matter has been examined. The MOEF&amp;CC, OM dated 26.8.2015 mandates that all coal-based thermal power plants with an installed capacity of 100 MW or above and located between 300-749 km from the pit head, shall be supplied with and shall use raw or blended or beneficiated coal with ash content not exceeding thirty four percent (34%), on quarterly average basis. Prior to this notification, the Petitioner was not required to monitor the ash content of the coal used for generation. Since the Petitioner's generating station is required to use raw or blended coal with ash content not exceeding 34% in terms of the MOEF&amp;CC, OM dated 26.8.2015, the projected additional capitalization claimed by the Petitioner for the period 2019-21 is allowed under Regulation 26(1)(b) of the 2019 Tariff Regulations....."</p>		

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*Vitendera*

Name of the Petitioner		NTPC Ltd								
Name of the Generating Station		Bhrn Super Thermal Power Station Stage-II								
Station COD/ Date of Take over		08.01.2016								
For Financial Year		2020-21								
Sl. No.	Head of Work /Equipment	ACE Claimed (Actual for 2020-21)						Regulations under which claimed	Justification	Admitted Cost by the Commission, if any
		Accrual basis	Ind AS Adj.	Accrual basis as per IGAAP	Un-discharged Liability included in col. 3	Cash basis	IDC included in col. 3			
1	2	3	3A	3B = 3+3A	4	5 = (3B-4)	6	7	8	9
									<p>Hon'ble Commission in its order dated 25.01.2022 in Petition No. 418/GT/2020 has considered the additional</p> <p>capital expenditure incurred and stated as under:</p> <p>"27. The substations have been considered. It is observed that the MUDF-ACC notification dated 26.8.2015 mandates all coal based thermal power plants for sampling, analysis of coal and reporting of compliance in respect of use &amp; supply of raw or blended or beneficiated coal with ash content not exceeding 24%. In this background and since the generating station is located at about 600-700 km from the nearest mines, the projected additional capital expenditure claimed by the Petitioner is allowed under Regulation 26(1)(b) of the 2019 Tariff Regulations."</p> <p>Accordingly Hon'ble Commission may be pleased to allow the same.</p>	
A1.5	Automatic Generation Control (AGC)	51.45	0.00	51.45	4.72	46.73	0.00	26(1)(b)	<p>AGC has been implemented in compliance with Hon'ble Commission direction vide order dated 13.10.2015 in petition no. 11/SM/2015 (para 16 (b) of the order) and order dated 28.08.2019 in petition no. 319/RC/2018. Orders is attached at (Annexure_12).</p> <p>It is admitted that Hon'ble Commission in its order dated 27.09.2022 in Petition No. 396/GT/2020 of Bhubli Expansion Power Plant has considered the additional capital expenditure incurred on implementation of AGC and stated as under:</p> <p>"18. The matter has been considered. It has been observed that in order dated 2.8.2019 in Petition No. 319/RC/2018, the Commission had directed as under:</p> <p>"All thermal DGSS systems with installed capacity of 200 MW and above and all hydro stations having capacity exceeding 25 MW including the Run-of-River Hydro Projects irrespective of size of the generating station and whose tariff is determined or adjudged by CEERC are directed to install equipment at the unit control rooms for transferring the required data for AGC as per the requirement to be notified by NLDG. NLDG shall notify the said requirements within one month of this order."</p> <p>19. It is therefore evident that the additional capital expenditure claimed by the Petitioner is for compliance to the directions contained in order dated 2.8.2019 in Petition 319/RC/2018. This according to us, is a change in law event and therefore, the claim of the Petitioner is allowed under Regulation 26(1)(b) of the 2019 Tariff Regulations."</p> <p>Since it has been implemented as per direction of Hon'ble commission and has allowed claim in similar cases. Hon'ble Commission may be pleased to allow the said capitalization under change in law or compliance of any existing law.</p>	
	Subtotal (A1)	803.66	0.00	803.66	135.58	668.29	0.00			
A2	New Works									
A2.1	Installation of LED Lighting Fixtures	55.31	0.00	55.31	0.00	55.31	0.00	Reg 26(1) (b) along with Reg 76	Balance capitalization of works claimed in 2020-21. Justification provided in Form 9 of 2019-20	
A3	Capital spares capitalisation	1661.99	0.00	1661.99	138.02	1523.97	0.00	Reg 24(1)(c) along with Reg 76	Balance capitalisation of works claimed in 2020-21. Justification provided in Form 9 of 2019-20	
A4	MBOA capitalisation									
A4.1	Miscellaneous Tools & Tackles (P&M) etc	77.25	0.00	77.25	5.27	71.97	0.00		<p>These are the miscellaneous assets which have been bought and capitalised to replace such assets whose life is not commensurate with the useful life of the plant and have been decapitalised. Further, to replace such assets of minor nature, Regulation 25(2)(a) has been provided in lieu of Compensation Allowance. Therefore, capitalisation of these MBOA assets of minor nature may please be allowed accordingly under Reg. 25(2)(a)</p>	
A4.2	Construction Equipments	181.89	0.00	181.89	2.74	179.15	0.00			
A4.3	Other Office Equipments	2.75	0.00	2.73	2.52	0.23	0.00			

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*Subscribed*

Name of the Petitioner		NTPC Ltd								
Name of the Generating Station		Bach Super Thermal Power Station Stage-II								
Station COD/ Date of Take over		08.01.2016								
For Financial Year		2020-21								
Sl. No.	Head of Work/Equipment	ACE Claimed (Actual for 2020-21)						Regulations under which claimed	Justification	Admitted Cost by the Commission, if any
		Accrual basis	Int AS Adj.	Accrual basis as per IGAAP	Un-discharged Liability included in col. 3	Cash basis	IDC included in col. 3			
1	2	3	3A	3B = 3+3A	4	5= (3B-4)	6	7	8	9
A4.4	Furniture & Fixtures	4.85	0.00	4.85	0.00	4.85	0.00	Reg 25 (2) (a)		
A4.5	Communication Equipment	2.93	0.00	2.93	2.93	0.00	0.00			
A4.6	EDP, WP machines and telecom equipment etc.	4.50	0.00	4.50	0.38	4.12	0.00			
Sub Total (A4)		174.16	0.00	174.16	13.84	260.32	0.00			
A5	Decap of MBOA items part of capital cost	-26.41	-5.88	-32.29	0.00	-32.29	0.00			
A6	Package FERV									
A6.1	Fire Fighting -Unitech Machines Ltd.	-1.25	0.00	-1.25	-1.25	0.00	0.00	25(1)	These are restatement of liabilities due to Foreign Exchange Rate Variation corresponding to Original Scope of works. Hon'ble Commission may be pleased to allow the same.	
A6.2	C&I- ABB	-4.43	0.00	-4.43	-4.43	0.00	0.00			
A6.3	TG - BHEL	285.09	0.00	285.09	285.09	0.00	0.00			
A6.4	SG - BHEL	92.21	0.00	92.21	92.21	0.00	0.00			
Sub Total (A6)		371.61	0.00	371.61	371.61	0.00	0.00			
A7	Decap of spares part of capital cost.	-399.76	-102.52	-502.28	0.00	-502.28	0.00	Reg 26(2)	These spares were part of capital cost, have become un-serviceable. Therefore, to be removed from capital cost after de-capitalization.	
A8	Decap of Structures	-9.57	-5.73	-15.30	0.00	-15.30	0.00	Reg 26(2)	These were part of capital cost. Therefore, to be removed from capital cost after de-capitalization.	
Subtotal Add Cap ( A1 to A8)		2731.00	-114.13	2616.87	658.85	1958.02	0.00			
A9	Add: Discharge of liability corresponding to allowed works					3519.68	0.00	Reg 25(1)(d)	Details in Form-18 i.e. Liability Flow Statement	
Subtotal of Additional Capitalization (A)		2731.00	-114.13	2616.87	658.85	5477.69	0.00			

*Vishnu*  
(Petitioner)

**Year-wise Statement of Additional Capitalisation after COD**

PART-1  
FORM-V

Name of the Petitioner: **NTPC Limited**  
 Name of the Generating Station: **Barkhedar Thermal Power Station Stage-II**  
 CVID: **08-02-2016**  
 For Financial Year: **2021-22 (Annual Projection)**

Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)			Regulations under which claimed	Justification	Amount in Rs. Lakh
		Accrued here as per IGAAP	Un-discharged Liability included in col. 3	Cost basis			
1	2	3	4	5 = (3-4)	6	7	8
<b>A. Works under Original scope, Change in Law etc. eligible for RoE at Normal Rate</b>							
<b>I. Original scope Works of Plant &amp; Machinery including civil works.</b>							
1	Payment of Transmission Deviation Charges - Unit-4 for period 13.11.2014 to 07.03.2016 (prior to COD i.e. 08.03.2016)	5475.00		5475.00	25(1) (a) along with Reg 76.	<p>It is submitted that the Hon'ble CERC vide its order dated 20.01.2017 in petition no. 136/MP/2015 had revised the COD date of Unit-4 (660MW) of Barkh STPS-II as 08.03.2016. Consequent to the above order, ERPC on 11.01.2018 revised RTA, REA &amp; DSM account for the period. Subsequently RTDA decision was also issued on 01.02.2018 by ERPC for this period for Barkh STPS Unit-4.</p> <p>This issue was discussed in 40th TCC/ERPC meeting held on 15/04/2018 wherein NTPC clarified that as per CERC order, excess payment, if any, shall be adjusted in capital cost. Since, there was no convergence on this issue among concerned parties, the matter could be resolved in ERPC forum and concluded with the matter to be taken up at appropriate higher level. However, PGCIL raised the bills based on RTDA account dated 02.02.2018 to NTPC wherein NTPC vide letter dated 06.08.2019 refuted the bills and stated that there was no direction either from Hon'ble CERC and APTEL regarding refund of any charges by NTPC in view of change in COD date and informed that the petitioner has already filed amended tariff petition based on revised COD for Unit-4 in petition no. 130/MP/2014 which is currently under consideration of CERC and all tariff is determined same may be withdrawn.</p> <p>The non-payment of RTDA bills for Unit-4 by NTPC was raised by PGCIL and discussed in 44th CCM/ERPC meeting held on 07.07.2021 wherein NTPC further clarified that as per CERC order dated 20.09.2017, excess payment, if any, shall be adjusted against capital cost. However, the petitioner was requested to liquidate the outstanding amount (34.75Cr) on account of RTDA. Accordingly, PGCIL vide letter dated 03.08.2021 requested NTPC to liquidate outstanding dues on account of RTDA charges (Annexure 13). The petitioner has made payment to PGCIL for the outstanding dues on account of shifting of COD of Unit-4.</p> <p>As, the expenditure incurred by petitioner is for the period prior to COD of Unit-4 i.e. 08.03.2016 and pertains to be part of capital cost as the expenditure incurred by petitioner for achieving COD. Since, this expenditure is incurred in the year 2021-22 but pertains to expenditure before COD. Further, this expenditure was a consequence of Hon'ble CERC order wherein it had revised the COD later on, the same is admissible as per regulation which allows the capital cost of a new project shall including expenditure incurred upto the date of commercial operation. Since, the COD of Unit-4 is under tariff period during 2014-19 but paid during subsequent tariff period 2019-24, the petitioner is claiming the same under regulation 25(1)(a) under power to relax as it is consequence of Hon'ble CERC order. Therefore, it is prayed that Hon'ble Commission may be pleased to allow the capitalisation of the expenditure incurred by petitioner after cut-off date in initial station as a expenditure incurred.</p>	
<b>II. Works towards augmentation of Railway infrastructure for transportation of coal up to existing end of station.</b>							
1	Barkhedar Power including 3rd line & surface Triangle	25000.00		25000.00	(SC) (c)	<p>In Barkh Stage-II major bottleneck in rake movement is encountered at the two surface crossings at Mangur and Barkhedarpur.</p> <p>The surface crossing on a busy section in time consuming activity as the rail traffic (both goods as well as passenger trains) movement in both direction needs to be halted. Further, as the Mangur-Barkhedarpur line is un-electrified, rake movement is held up for change of Loco. This takes long time for movement of coal rakes and hampers continuous coal supply to the station gas hampered.</p> <p>It is submitted that for ensuring sustained coal supply from coal mines in Jharkhand to the Barkh Station, creation of new rail infrastructure and augmentation of existing rail network is required for smooth movement of rakes namely:</p> <ol style="list-style-type: none"> <li>Construction of Bypass at Barkhedarpur including 3rd line &amp; surface triangle;</li> <li>Construction of Mangur-Tilaya crossover; and</li> <li>Electrification of Mangur-Tilaya- Barkhedarpur line.</li> </ol> <p>The Ministry of Railways / the Railway Board on 10.12.2012 notified a policy on "Participative Models in Rail Connectivity and Capacity Augmentation Projects". These projects by Railways got delayed due to lack of funds which in turn has adversely affected coal availability to the Barkh Power Station where 2 units of 660 MW of Stage II each under commercial operation. The rail infrastructure infrastructure, which was in existence was only able to cater supply of around 3-4 rakes of coal of per day against the requirement of 14-18 rakes/day. In its meeting held on 09.01.2013, the petitioner had requested the Railways to supply at least 5 rakes per day for the Barkh Project, to which the Railways had replied in the negative.</p>	

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Year wise Statement of Additional Capitalisation after COD

PART-2  
FORM-9

Name of the Petitioner: NTPC Limited  
 Name of the Generating Station: Barh Super Thermal Power Station Stage-II  
 COD: 08.02.2016  
 For Financial Year: 2023-24 (Actual/Projected)

Sl. No.	Head of Work/Equipment	ACE Claimed (Actual / Projected)				Regulations under which claimed	Justification	Amount in Rs. Lakh Admitted Cost by the Commission, if any
		Accrued liability as per IGAAP	Un-discharged Liability included in col. 2	Cash basis	EDC included in col. 3			
1	2	3	4	5= (3-4)	6	7	8	9
2	Margpur-Tilaya Flyover	0.00		0.00		19(3) (c)	<p>stating that the repair of 5 rails per day could not be met without alternative measures under the scheme. Due to inability of Railways to execute the forecast scheme on account of funds, NTPC had released Rs. 565 Cro. (60 Unit-V COD on 18.02.2016) to Railways under customer funding model to carry out the above said infrastructure works so that generation assets of Barh STPS are not stranded and seamless transportation of coal to the station is facilitated.</p> <p>The petitioner has already given an advance of Rs.60 Cr to railways for carrying out these works of capital nature, based on which railways has already developed/supervised these infrastructures and same are already put to use. The amount claimed is based on completion of these works in subsequent years, refer audit certificate attached at (Annexure-B). The Current status of work is:</p> <p>(i) Bahkhatyapur Surface triangle and 3rd line is in service. Flyover work in advance stage of completion.                      (ii) The Margpur-Tilaya Flyover work, in advance stage of completion, work in progress.                      (iii) The electrification work of Margpur-Tilaya-Bahkhatyapur line completed.</p> <p>Further, the above infrastructure works are of auxiliary nature requirement to ensure station sustained operations and to meet daily coal requirement. Hon'ble ATE vide its judgement dated 14.08.2023 in Appeal no. 152 of 2016 also acknowledged the fact that the petitioner was in no position to meet its daily requirement of coal, for the situation prevailing prior therein and had to other alternative but to participate in the scheme to ensure adequate supply of coal for its station. The relevant extracts of the judgement are as under:</p> <p>"... While the scheme may, in itself, have been a useful one to be undertaken to be voluntary, it is clear from the facts stated herein above that, but for their participation in the said scheme, the Applicant was in no position to meet its daily requirement of coal, for the situation prevailing prior therein and that the Applicant was receiving less than 1/3 of its minimum coal requirement for the Kholji project, and less than 1% of its minimum coal requirement for the Barh Project.</p> <p>"We are satisfied, therefore, that the Applicant had no other alternative but to participate in the scheme to ensure adequate supply of coal for its generating station..."</p> <p>In view of the matter being remanded back to Hon'ble CERC for examining it afresh, it is humbly prayed that Hon'ble Commission may be pleased to allow the capitalisation of above works required for ensuring coal supply/ fuel security for reliable and sustained operation of the generating station as per the provision under Regulation 15(3) (a) of Tariff Regulations, 2019.</p>	
3	Electrification of Margpur-Tilaya-Bahkhatyapur	14000.00		14000.00		19(3) (c)		
SUB Total II		14000.00	0.00	14000.00	0.00			
Total (A)= (1+II)		42,475.00	-	42,475.00	-			
<b>B. Works beyond Original scope existing add-cap due to Change in Law eligible for Ref. at Wtd. Average rate of Interest</b>								
Total (B)		-	-	-	-			
Total Add. Cap. Claimed (A+B)		42,475.00	-	42,475.00	-			

Notes: 1. The details regarding Liability included, EDC, Decapitalisation & Exclusions to be submitted at the time of close-up.

*V. S. Sengupta*  
(Petitioner)

## Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner	NTPC Limited
Name of the Generating Station	Barh Super Thermal Power Station Stage-II
COD	08-03-2016
For Financial Year	2022-23 (Projected)

Sl. No.	Head of Work /Equipment	ACE Claimed (Actual / Projected)				Regulations under which claimed	Justification	Amount in Rs Lakh Admitted Cost by the Commission, if any
		Accrual basis as per IGAAP	Un-discharged Liability included in col. 3	Cash basis	IDC included in col. 3			
1	2	3	4	5= (3-4)	6	7	8	9
<b>A. Works under Original scope, Change in Law etc. eligible for RoE at Normal Rate</b>								
1	Construction of storage shed for Hazardous Waste disposal	26.00		26.00		Reg 26(1) (b) & (d) with Reg 76	The management of municipal solid waste/Hazardous Waste/E-Waste/Plastic Waste/ Bio-Medical/Battery waste etc. are the most important obligatory functions of the any industry & urban local bodies. Hazardous waste poses threat not only to the environment but also to the human health. Farther, in view of the safety concerns, the storing and handling of hazardous wastes (like used oil/lube oil, used oil filters, oil contaminated waste etc.) in an environmentally sound manner is necessary. Hazardous waste cannot be kept in open condition and needs to be handled based on based on Rules notified by the Ministry of Environment, Forest & Climate Change, Govt. of India time to time for categories as per schedule. As per provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 notified by MOEF&CC prescribed under the Environment (Protection) Act, 1986 hazardous wastes are to be managed in environmentally sound manner. In compliance of above the petitioner shall incur the said expenditure for construction of storage shed.  Hon'ble Commission may be pleased to allow the same.	
<b>Total (A)- (I)</b>		26.00	-	26.00				
<b>B. Works beyond Original scope excluding add-cap due to Change in Law eligible for RoE at Wtd. Average rate of Interest</b>								
<b>Total (B)</b>		-	-	-				
<b>Total Add. Cap. Claimed (A+B)</b>		26.00	-	26.00				

Notes-1. The details regarding Liability included, IDC, Decapitalisation & Exclusions to be submitted at the time of true-up.

*Vitendra*  
(Petitioner)



**Year wise Statement of Additional Capitalisation after COD**

PART-I  
FORM-9

Name of the Petitioner: **NTPC Limited**  
 Name of the Generating Station: **Barh Super Thermal Power Station Stage-II**  
 COD: **06-03-2016**  
 For Financial Year: **2023-24 (Projected)**

Sl. No.	Head of Work / Equipment	Accrual basis as per JQAAP	ACE Claimed (Actual / Projected)		Regulations under which claimed	Justification	Admitted Cost by the Commission, if any
			Un-discharged Liability included in col. 3	Cash basis 5= (3-4)			
1	2	3	4	5= (3-4)	6	7	8
<b>A. Works under Original scope, Change in Law etc. eligible for RoE at Normal Rate</b>							
<b>I Original scope Works of Plant &amp; Machinery including civil works.</b>							
1	Upgradation of HMI DCS system (ABB)	600.00		600.00	25(2) (C) along with Reg 7c	<p>The DCS workstations Human Machine Interface (HMI) are based on Microsoft Windows XP Operating platform. Microsoft has declared Windows XP as obsolete and has withdrawn the support for all XP based systems including automatic security updates, non-security hotfixes etc. In the absence of such support from Microsoft one cannot update the critical virus definition files and, thus, makes the system vulnerable for the system security. Hence, the system needs up-gradation to higher version of Windows platform to ensure improved reliability and availability and further to mitigate hardware &amp; OS obsolescence issue and Cyber security issues to ensure smooth functioning of plant, refer OEM document (Annexure-14). DCS work stations needs to be upgraded to latest operating system due to technical obsolescence and cyber security vulnerabilities.</p> <p>It is submitted that the Hon'ble Commission vide its order dated 22.09.2022 in petition 488/GT/2020 for IGSTPPS, in petition 396/GT/2020 for Bishai Expansion power Plant vide order dated 27.09.2022, in petition 342/GT/2020 for KhSTPS-II vide order dated 29.03.2023 and in petition 408/GT/2020 for Maithon power limited vide order dated 08.01.2023 has considered similar additional capital expenditure incurred for upgradation of HMI DCS system.</p> <p>Hon'ble Commission may be pleased to allow the same in instant matter.</p>	
<b>II Works towards augmentation of Railway infrastructure for transportation of coal up to receiving end of station.</b>							
1	Munpur-Tilaya Bhuber	27465.00		27465.00	19(3) (e)	Balance capitalisation of works claimed in 2023-24. Justification provided in Form 9 of 2021-22.	
<b>SUB Total (II)</b>		<b>27465.00</b>	<b>0.00</b>	<b>27465.00</b>			
<b>III Construction of storage shed for Hazardous Waste disposal</b>							
		60.00		60.00	Reg 26(1) (b) & (d) with Reg 7c	Balance capitalisation of works claimed in 2023-24. Justification provided in Form 9 of 2022-23.	
<b>IV Zero Liquid Discharge system (ZLD)</b>							
		121.00		121.00	Reg 26(1) (b) with Reg 7c	<p>Bihar state pollution control board has mandated for implementation of Zero Liquid Discharge for U04 and U05 of Barh-II vide consent order dated: 20.09.18 and 12.03.19 refer Para. 39 of petition</p> <p>Hon'ble Commission vide its order dated 08.01.2022 in Petition No. 408/GT/2020 and in order dated 27.09.2022 in Petition No. 396/GT/2020 has considered similar additional capital expenditure incurred in order to ensure compliance with directions of SPCB.</p> <p>Hon'ble Commission may be pleased to allow the same under Change in Law under Reg. 26(1)(b) with Power to relax.</p>	
<b>Total (A)= (I+II+III+IV)</b>		<b>28,246.00</b>	<b>-</b>	<b>28,246.00</b>			

<b>B. Works beyond Original scope excluding add-cap due to Change in Law eligible for RoE at Wid. Average rate of Interest</b>							
<b>Total (B)</b>							
<b>Total Add. Cap. Claimed (A+B)</b>		<b>28,246.00</b>	<b>-</b>	<b>28,246.00</b>			

Notes: 1. The details regarding Liability included, IDC, Decapitalization & Exclusions to be submitted at the time of true-up.

*Vitendra*  
(Petitioner)

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**Barh Super Thermal Power Station, Stage-II: Reconciliation of Additional Capitalization with Balance Sheet**

**Summary of Gross Block Reconciliation (2019-20)**

Amount in Rs Lakh

Sr. No.	Particular	Total	Stage I	Stage II	Stg-I capitalised with Stage-II	
1	Closing Gross Block as per Books as on 31.03.2020	10,52,045.22	29,267.61	9,00,826.65	1,21,950.95	
2	Opening Gross Block as per Books as on 01.04.2019 *	10,31,028.20	26,095.09	8,83,414.14	1,21,518.97	
3	Total Addition During the Year as per books (Ind-AS)	21,017.02	3,172.52	17,412.51	431.98	
4	Ind-AS Adjustment	-2,745.94	-5.34	-2,656.75	-83.86	
5	<b>Total Addition During the Year (3+4) (IGAAP) BARH</b>	<b>18,271.07</b>	<b>3,167.19</b>	<b>14,755.77</b>	<b>348.12</b>	

*Difference in Gross Block in 2019-20 closing and 2018-19 opening due to CDD adjustment of Rs 300 Cr above in books during 2018-19, same was originally adjusted in unrecorded provision against capital cost from C-4 CSD.*

*Vikash*  
(Petitioner)

Year wise Statement of Additional Capitalisation after COD

PART-I  
Annexure-A  
Amount in Rs.

Name of the Petitioner		NTPC Ltd							
Name of the Generating Station		Burb Super Thermal Power Station Stage-II							
Station COD/ Date of Take over		08.03.2016							
For Financial Year		2019-20							
Sl. No.	Head of Work /Equipment	Party Name	A/C Claimed (Actual for 2019-20)					Justification	
			Accrual basis as per Note 2	Ind AS A4)	Accrual basis as per IGAAP	Un discharged Liability	Cash basis		IDC included in col. 2
1	2		3	3A	3B = 3-3A	4	5= (3B-4)	6	7
<b>A Claimed Items</b>									
<b>Original Scope Works</b>									
AI.1	Steam Generator Island & ESP	BHEL etc.	1,97,79,757	-1,97,79,717	0	0	0		
			32,16,645	0	32,16,645	0	32,16,645		
		Sub Total	2,29,96,402	-1,97,79,757	32,16,645	0	32,16,645		
AI.2	Turbine Generator & Auxiliaries	BHEL etc.	6,93,83,409	-6,93,83,409	0	0	0		
		Sub Total	6,93,83,409	-6,93,83,409	0	0	0		
AI.3	BOP Mechanical								
1	Ash Handling System & AWRS	DC Industrial, UNITECH MACHINES LTD	34,05,697	0	34,05,697	8,67,492	25,38,205		
2	Coal Handling System	TRF Ltd, CALCUTTA ELECTRIC MOTOR REWINDING	10,07,91,919	0	10,07,91,919	4,19,303	10,03,72,615		
3	Station Pipeline	UNITECH MACHINES LTD	23,878	0	23,878	23,401	477		
4	Air Condition & Ventilation System	C DOCTOR & COMPANY PVT LTD etc.	3,05,213	0	3,05,213	43,783	2,61,430		
5	Fire Fighting System	UNITECH MACHINES LTD	2,61,766	0	2,61,766	57,080	2,04,686		
	TOTAL BOP Mechanical	Sub Total	10,47,88,472	0	10,47,88,472	14,12,979	10,33,75,493		As per Form 9A
AI.4	Civil works								
1	Main Plant/ Admn. Bldg.	NAVAYUGA ENGINEERING CO LTD, UNIQUE POWER TECH ENGINEERING	2,55,51,546	0	2,55,51,546	2,70,134	2,28,50,188		
		NAVAYUGA ENGINEERING CO LTD	1,00,29,175	0	1,69,29,175	23,05,032	1,37,24,143		
2	CW & Makeup water System	Narayana Construction Co Ltd	99,81,374	0	99,81,374	0	99,81,374		
3	Township & Colony	Multiple parties, Curramt Steel Ind etc.	99,96,319	0	99,96,319	0	99,96,319		861410
4	Road & Drainage	Exc Engineer	1,21,68,000	0	1,21,68,000	0	1,21,68,000		
5	Interconnection ECR	ECR, Rites	2,58,66,586	0	2,58,66,586	0	2,58,66,586		
	Total Civil works	Sub Total	9,55,93,000	-	5,55,93,000	50,06,200	9,05,86,610		8,01,410
		Sub Total (AI)	29,27,61,283	- 8,91,63,166	20,35,98,118	64,19,269	19,71,78,749		8,01,410
A2	New Works								
A2.1	Installation of RoofTop Solar PV system	Highground Energy Pvt Ltd.	40,95,000	0	40,95,000	1,95,000	39,00,000		As per Form 9A
A2.2	Installation of LED Lighting Fixtures	EESL	3,52,42,834	0	3,52,42,834	0	3,52,42,834		As per Form 9A
		Sub Total	3,93,37,834	-	3,93,37,834	1,95,000	3,91,42,834		
A3	Capital spares capitalisation		36,05,27,032	-	36,05,27,032	2,35,45,349	33,69,81,683		
A4	MBOA capitalisation		3,93,14,074	-	3,93,14,074	95,78,088	2,97,35,977		
A5	Decap of Capital Spares part of Capital Cost		14,47,65,899	-1,95,90,844	-16,43,16,744	-	-16,43,16,744		As per Form 9A
A6	Decap of MBOA items part of capital cost		-49,51,808	-77,02,389	-1,26,54,257	0	-1,26,54,257		

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A7	Package FERV		16,19,50,797	0	16,19,50,797	16,19,50,797	0	
		Total Claim (A1 to A7)	74,41,73,253	- 11,64,16,399	62,77,56,854	20,16,88,633	62,60,68,221	8,01,410
<b>B</b>	<b>Exclusions</b>							
B1	Overhauling							
B1.1	Overhauling		15,09,04,593	-13,69,40,393	0	0	0	
			15,09,04,593	-15,69,40,393	0	0	0	
B2	Intermit Transfer		-4,72,311	-4,83,783	-13,56,094	0	-13,56,094	
B3	ERV Loss		95,84,68,492	0	95,84,68,492	0	95,84,68,492	
B4	Minor Adjustment							
B4.1	Turbine Generator & Auxiliaries	BHEL etc.	-3,51,522	0	-3,51,522	0	-3,51,522	
B4.2	Water Pre treatment Plant	MICNALLY BHARAT ENGG COMPANY	-0.36	0.00	-0.36	0.00	-0.36	
		Subtotal	-3,51,522	0	-3,51,522	0	-3,51,522	
		Sub Total (B1 to B5)	1,11,42,05,652	- 15,76,44,376	95,65,61,276	-	95,65,61,276	
B5	Liability Reversal							
B5.1	Structural Steel Works	NAVAYUGA ENGINEERING CO LTD	-6,73,951	0	-6,73,951	-6,73,951	0	
B5.2	ESP	BHEL	-3,12,38,455	0	-3,12,38,455	-3,12,38,455	0	
B5.3	Generator Transformer	BHEL	-4,20,17,042	0	-4,20,17,042	-4,20,17,042	0	
		Sub Total (B4)	7,39,29,448	-	7,39,29,448	-	7,39,29,448	
	Total Exclusion (B)		1,04,02,76,204	- 15,76,44,376	88,26,31,828	- 7,39,29,448	95,65,61,276	
	Grand Total A+B		1,78,44,09,157	- 27,40,60,775	1,51,03,08,082	12,77,59,185	1,38,26,29,497	8,01,410

As per Form K

*Vitthal*

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**Barh Super Thermal Power Station, Stage-II: Reconciliation of Additional Capitalization with Balance Sheet**

**Summary of Gross Block reconciliation (2020-21)**

Amount in Rs Lakh

Sr. No.	Particular	Total	Stage I	Stage II	Stg-I capitalised with Stage-II	Stg-II capitalised with Stage-I
1	Closing Gross Block as per Books as on 31.03.2021	10,55,056.66	30,702.19	9,01,870.29	1,21,936.70	547.47
2	Opening Gross Block as per Books as on 01.04.2020	10,52,045.22	29,267.61	9,00,826.63	1,21,950.95	-
3	Total Addition During the Year as per books (Ind-AS)	3,011.44	1,434.58	1,043.64	-14.25	547.47
4	Ind-AS Adjustment	-15.79	117.30	-121.76	-11.32	-
5	Total Addition During the Year (3+4) (GAAP) BARH	2,995.66	1,551.88	921.88	-25.57	547.47

*(Signature)*  
(Petitioner)

Year wise Statement of Additional Capitalisation after COD

PART-I

Annexure- A

Amount in Rs.

Name of the Petitioner

NTPC Ltd

Name of the Generating Station

Barh Super Thermal Power Station Stage-I

Station COD/ Date of Take over

06.02.2016

For Financial Year

2020-21

Sl. No.	Head of Work /Equipment	Party Name	ACE Claimed (Actual for 2020-21)					Justification	
			Accrual basis as per Note 2	Ind AS Adj.	Accrual basis as per IGAAP	Un-discharged Liability included in col. 3	Cost basis		IDC included in col. 3
1	2		3	3A	3B = 3+3A	4	5= (3B-4)	6	7
<b>A Claimed Items</b>									
<b>Original Scope Works</b>									
<b>A1.1 BOP Mechanical</b>									
1	Ash Handling System & AWRS	DC Industrial Plant Services etc.	84,67,115	0	84,67,115	5,21,688	79,45,427		
		(M/s) Mathias Ltd, CRS Electric etc.	45,92,730	0	45,92,730	45,73,525	19,204		
2	Station Piping	UNITUCH MACHINES LTD	39,66,927	0	39,66,927	-	39,66,927		
3	Air Condition & Ventilation System	C DOCTOR & COMPANY PVT LTD etc.	66,000	0	66,000	60,000	6,000		
	<b>TOTAL BOP Mechanical</b>	<b>Sub Total</b>	<b>1,70,86,772</b>	<b>0</b>	<b>1,70,86,772</b>	<b>51,55,214</b>	<b>1,19,31,558</b>		
<b>A1.2 Civil works</b>									
1	Main Plant/ Admn. Bldg.	NAVAYUGA ENGINEERING CO LTD,	1137197	0	11,37,197	0	1137197		
2	Township & Colony	SPML Infra Limited	24688	0	24,688	0	24,688		
	<b>Total Civil works</b>	<b>Sub Total</b>	<b>11,61,885</b>	<b>-</b>	<b>11,61,885</b>	<b>-</b>	<b>11,61,885</b>		
A1.3	Online coal Analyzer	DANDONG DONGFANG	5,69,72,553	0	5,69,72,553	79,10,747	4,90,61,806		As per Form 9A
A1.4	Automatic Generation Control (AGC)	SIEMENS LTD	51,45,238	0	51,45,238	4,71,949	46,73,289		As per Form 9A
	<b>Sub Total (A1)</b>		<b>8,03,66,448</b>	<b>-</b>	<b>8,03,66,448</b>	<b>1,25,37,319</b>	<b>6,08,29,129</b>		
<b>A2 New Works</b>									
A2.1	Installation of LED Lighting Fixtures	BEEL	55,30,547	0	55,30,547	0	55,30,547		As per Form 9A
	<b>Sub Total (A2)</b>		<b>55,30,547</b>	<b>-</b>	<b>55,30,547</b>	<b>-</b>	<b>55,30,547</b>		
A3	Capital spares capitalisation		16,61,99,498	-	16,61,99,498	1,38,02,127	15,23,97,371		
A4	MBOA capitalisation		2,74,16,348	-	2,74,16,348	13,84,352	2,60,31,996		
A5	Decap of Capital Spares part of Capital Cost		3,99,76,282	-1,02,52,169	-3,02,28,451	-	-3,02,28,451		
A6	Decap of MBOA items part of capital cost		26,40,690	-5,87,873	-32,28,267	-	-32,28,267		As Per Form 9A

*Signature*

A7	Decap of structures		9,57,259	-5,72,564	-15,29,822	-	-15,29,822
A8	Package FERV		3,71,60,972	0	3,71,60,972	3,71,60,972	0
		<b>Total Claim (A1 to A8)</b>	<b>27,20,99,582</b>	<b>1,14,12,610</b>	<b>26,16,86,972</b>	<b>6,58,85,262</b>	<b>19,58,01,610</b>
B	<b>Exclusions</b>						
B1	Overhauling		19,35,715	-19,35,715	0	0	0
B2	Interunit Transfer		3,30,891	40,069	3,70,960	0	3,70,960
B3	ERV Loss		-14,37,67,693	0	-14,37,67,693	0	-14,37,67,693
B4	Minor Adjustment						
B4.1	Steam Generator Island & ESP	BHEL	-8,820	0	-8,820	0	-8,820
B4.2	Air Condition & Ventilation System	C DOCTOR & COMPANY PVT LTD etc.	-23,219	0	-23,219	0	-23,219
B4.3	Fire fighting System	UNITECH MACHINES LTD	-33,593	0	-33,593	-	-33,593
B4.4	Township & Colony	Ram Krishn Singh	-9619	0	-9,619	0	-9,619
		<b>Sub Total (B1 to B4)</b>	<b>14,15,76,337</b>	<b>18,95,646</b>	<b>14,34,71,984</b>	<b>-</b>	<b>14,34,71,984</b>
B5	Liability Reversal						
B5.1	Steam Generator	BHEL, GE OIL & GAS INDIA PRIVATE LIMITED etc.	-1,80,04,110	0	-1,80,04,110	-1,80,04,110	0
B5.2	Station Piping	UNITECH MACHINES LTD	-35,07,233	0	-35,07,233	-35,07,233	0
B5.3	Ash Handling	DC INDUSTRIAL PLANT SERVICES	-45,11,515	0	-45,11,515	-45,11,515	0
B5.4	Coal Handling	DFLTD	-7,23,068	0	-7,23,068	-7,23,068	0
B5.5	Electrical Eqt Supply & Erection	SIEMENS LTD	-18,38,212	0	-18,38,212	-18,38,212	0
		<b>Sub Total (B5)</b>	<b>2,85,84,138</b>	<b>-</b>	<b>2,85,84,138</b>	<b>2,85,84,138</b>	<b>-</b>
	<b>Total Exclusion (B)</b>		<b>17,01,60,475</b>	<b>18,95,646</b>	<b>17,20,56,122</b>	<b>2,85,84,138</b>	<b>14,34,71,984</b>
	<b>Grand Total (A+B)</b>		<b>10,29,39,107</b>	<b>1,33,08,257</b>	<b>8,96,30,850</b>	<b>3,73,01,223</b>	<b>5,23,29,627</b>

As Per Form K

*Vitendra*  
(Petitioner)

Name of the Petitioner	NTPC Limited
Name of the Generating Station	Barh Super Thermal Power Station Stage-II
Date of Commercial Operation	08-03-2016

Financial Year (Starting from COD)1	Amount in Rs Lakh									
	Actual					Admitted				
	2019-20	2020-21	2021-22	2022-23	2023-24	2019-20	2020-21	2021-22	2022-23	2023-24
1		3	4	5	6	7	8	9	10	11

Amount capitalised in Work/ Equipment

Financing Details	<p><b>Add cap is proposed to be finance in Debt:Equity ratio of 70:30</b></p>
Loan-1	
Loan-2	
Loan-3 and so on	
Total Loan2	
Equity	
Internal Resources	
Others (Pl. specify)	
Total	

Note:

1. Year 1 refers to Financial Year of COD and Year 2, Year 3 etc. are the subsequent financial years respectively.
2. Loan details for meeting the additional capitalisation requirement should be given as per FORM-7 or 8 whichever is relevant.

*S. S. S.*  
(Petitioner)

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## Calculation of Depreciation

Name of the Petitioner: NTPC Limited

Name of the Generating Station : Barh STPS Stage - II ( 2X660 MW)

							(Amount in Rs Lakh)
Sl.No.	Name of the Assets	Gross Block as on 01.04.2019	Depreciation Rates as per CERC's Depreciation Rate Schedule	Depreciation Amount on Gross Block as on 01.04.2019	Gross Block as on 01.04.2020	Depreciation Rates as per CERC's Depreciation Rate Schedule	Depreciation Amount on Gross Block as on 01.04.2020
1	2	3	4	5=Col.3 X Col.4	6	7	8=Col.6 X Col.7
1	Freehold Land	11712.34	0.00%	0	11712.3	0.00%	0
2	Leasehold Land	657.44	3.34%	21.96	657.4	3.34%	21.96
3	Roads, bridges, culverts & helipads	9891.58	3.34%	330.38	10013.3	3.34%	334.44
4	Main plant Building	52078.43	3.34%	1739.42	52333.9	3.34%	1747.95
5	Other Buildings	14937.55	3.34%	498.91	14993.4	3.34%	500.78
6	Temporary erection	733.86	100.00%	733.86	733.9	100.00%	733.86
7	Water supply, drainage & sewerage	1207.10	5.28%	63.74	1207.1	5.28%	63.74
8	MGR track and signalling system	10533.20	5.28%	556.15	10857.9	5.28%	573.3
9	Railway siding	29435.59	5.28%	1554.2	29369.6	5.28%	1550.71
10	Plant and machinery	883462.51	5.28%	46646.82	897936.9	5.28%	47411.07
11	Furniture and fixtures	1473.83	6.33%	93.29	1474.1	6.33%	93.31
12	Vehicles - Owned	51.68	9.50%	4.91	54.5	9.50%	5.18
13	Construction equipment	1483.19	5.28%	78.31	1412.3	5.28%	74.57
14	Other Office Equipments	376.10	6.33%	23.81	409.5	6.33%	25.92
15	EDP, WP machines & SATCOM equipment	634.10	15.00%	95.11	589.1	15.00%	88.36
16	Electrical installations	2986.00	5.28%	157.66	2990.1	5.28%	157.88
17	Communication equipment	295.74	6.33%	18.72	308.9	6.33%	19.55
18	Hospital equipment	15.56	5.28%	0.82	15.6	5.28%	0.82
19	Software	111.69	15.00%	16.75	111.7	15.00%	16.75
	<b>TOTAL</b>	<b>1022077.5</b>		<b>52634.82</b>	<b>1037181.37</b>		<b>53420.15</b>
	<b>Weighted Average Rate of Depreciation (%)</b>			<b>5.1498</b>			<b>5.1505</b>

  
 Petitioner

**Statement of Depreciation**

Name of the Company : NTPC Limited  
Name of the Power Station : Barh Super Thermal Power Station Stage-II

(Amount in Rs Lakh)

S. No.	Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7	8
			366	365	365	365	366
1	Opening Capital Cost	949509.82	9,61,303.26	9,79,590.09	9,85,067.78	10,27,542.78	10,27,568.78
2	Closing Capital Cost	961303.26	9,79,590.09	9,85,067.78	10,27,542.78	10,27,568.78	10,55,814.78
3	Average Capital Cost	955406.54	9,70,446.67	9,82,328.93	10,06,305.28	10,27,555.78	10,41,691.78
1a	Cost of IT Equipments & Software included in (1) above		745.70	745.70	749.82	749.82	749.82
2a	Cost of IT Equipments & Software included in (2) above		745.70	749.82	749.82	749.82	749.82
3a	Average Cost of IT Equipments & Software		745.70	747.76	749.82	749.82	749.82
4	Freehold land	8,532.42	8,532.42	8,532.42	8,532.42	8,532.42	8,532.42
5	Rate of depreciation	5.1599	5.1498	5.1505	5.1505	5.1505	5.1505
6	Depreciable value	8,52,186.71	8,65,797.40	8,76,491.64	8,98,070.56	9,17,196.01	9,29,918.41
7.	Balance useful life at the beginning of the period	22.91	21.91	20.91	19.91	18.91	17.91
8	Remaining depreciable value	7,50,645.09	7,15,091.42	6,76,174.94	6,47,297.31	6,14,592.89	5,74,390.90
9	Depreciation (for the period)		49,975.94	50,594.97	51,829.87	52,924.38	53,652.46
10	Depreciation (annualised)	49,298.02	49,975.94	50,594.97	51,829.87	52,924.38	53,652.46
11	Cumulative depreciation at the end of the period	1,50,839.64	2,00,681.92	2,50,911.66	3,02,603.12	3,55,527.50	4,09,179.96
12	Less: Cumulative depreciation adjustment on account of un-discharged liabilities deducted as on 01.04.2009	0.00	-	-	-	-	-
13	Less: Cumulative depreciation adjustment on account of de-capitalisation	133.66	365.23	138.42	-	-	-
14	Net Cumulative depreciation at the end of the period after adjustments	1,50,705.98	2,00,316.70	2,50,773.24	3,02,603.12	3,55,527.50	4,09,179.96



(Petitioner)

Name of the Company : NTPC Ltd

Name of the Generating Station : Barh STPS Stage - II ( 2X660 MW)

FORM-13

S.No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
<b>Rs. In lakh</b>						
<b>1</b>	<b>Kfw, Barh</b>					
	Gross Drawal opening	53,906.48	53,906.48	53,906.48	53,906.48	53,906.48
	Cumulative repayment of drawal till prev yr	23,032.88	27,711.83	32,390.40	37,069.18	41,747.95
	Net Loan opening	30,873.62	26,194.65	21,516.08	16,837.30	12,158.53
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	30,873.62	26,194.65	21,516.08	16,837.30	12,158.53
	Repayment of loan during the year	4,878.77	4,878.77	4,878.77	4,878.77	4,878.77
	Net loan closing	26,194.85	21,516.08	16,837.30	12,158.53	7,479.75
	Average net loan	28,534.24	23,855.48	19,176.89	14,487.91	9,810.14
	Rate of interest on loan	3.5000%	3.5000%	3.5000%	3.5000%	3.5000%
	Interest on loan	998.70	834.94	671.18	507.43	343.67
<b>2</b>	<b>5.625% Euro Bonds 2021</b>					
	Gross Drawal opening	65,421.73	65,421.73	65,421.73	65,421.73	65,421.73
	Cumulative repayment of drawal till prev yr	-	-	-	65,421.73	65,421.73
	Net Loan opening	65,421.73	65,421.73	65,421.73	-	-
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	65,421.73	65,421.73	65,421.73	-	-
	Repayment of loan during the year	-	-	65,421.73	-	-
	Net loan closing	65,421.73	65,421.73	-	-	-
	Average net loan	65,421.73	65,421.73	32,710.86	-	-
	Rate of interest on loan	7.1775%	7.1775%	7.1775%	0.0000%	0.0000%
	Interest on loan	4,695.84	4,695.84	2,347.82	-	-
<b>3</b>	<b>4.75% Euro Bonds 2022</b>					
	Gross Drawal opening	9,396.58	9,396.58	9,396.58	9,396.58	9,396.58
	Cumulative repayment of drawal till prev yr	-	-	-	-	9,396.58
	Net Loan opening	9,396.58	9,396.58	9,396.58	9,396.58	-
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	9,396.58	9,396.58	9,396.58	9,396.58	-
	Repayment of loan during the year	-	-	-	9,396.58	-
	Net loan closing	9,396.58	9,396.58	9,396.58	-	-
	Average net loan	9,396.58	9,396.58	9,396.58	4,698.29	-
	Rate of interest on loan	5.0215%	5.0215%	5.0215%	5.0215%	0.0000%
	Interest on loan	471.85	471.85	471.85	235.92	-
<b>4</b>	<b>SBI, New York</b>					
	Gross Drawal opening	8,460.74	8,460.74	8,460.74	8,460.74	8,460.74
	Cumulative repayment of drawal till prev yr	-	8,460.74	8,460.74	8,460.74	8,460.74
	Net Loan opening	8,460.74	-	-	-	-
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	8,460.74	-	-	-	-
	Repayment of loan during the year	8,460.74	-	-	-	-
	Net loan closing	-	-	-	-	-
	Average net loan	4,230.37	-	-	-	-
	Rate of interest on loan	3.8251%	0.0000%	0.0000%	0.0000%	0.0000%
	Interest on loan	161.81	-	-	-	-
<b>5</b>	<b>BTMU</b>					
	Gross Drawal opening	54,888.34	54,888.34	54,888.34	54,888.34	54,888.34
	Cumulative repayment of drawal till prev yr	54,888.34	54,888.34	54,888.34	54,888.34	54,888.34
	Net Loan opening	-	-	-	-	-
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	-	-	-	-	-
	Repayment of loan during the year	-	-	-	-	-
	Net loan closing	-	-	-	-	-
	Average net loan	-	-	-	-	-

Name of the Company : NTPC Ltd						FORM-13
Name of the Generating Station : Barh STPS Stage - II ( 2X660 MW)						Rs. in lakh
S.No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
	Rate of interest on loan					
	Interest on loan	-	-	-	-	-
<b>6</b>	<b>4.375% Euro Bonds 2024</b>					
	Gross Drawl opening	4,921.75	4,921.75	4,921.75	4,921.75	4,921.75
	Cummulative repayment of drawl till prev yr	-	-	-	-	-
	Net Loan opening	4,921.75	4,921.75	4,921.75	4,921.75	4,921.75
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	4,921.75	4,921.75	4,921.75	4,921.75	4,921.75
	Repayment of loan during the year	-	-	-	-	-
	Net loan closing	4,921.75	4,921.75	4,921.75	4,921.75	4,921.75
	Average net loan	4,921.75	4,921.75	4,921.75	4,921.75	4,921.75
	Rate of interest on loan	4.6277%	4.6277%	4.6277%	4.6277%	4.6277%
	Interest on loan	227.78	227.76	227.78	227.76	227.76
<b>7</b>	<b>BOND-XXVIII</b>					
	Gross Drawl opening	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00
	Cummulative repayment of drawl till prev yr	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00
	Net Loan opening	-	-	-	-	-
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	-	-	-	-	-
	Repayment of loan during the year	-	-	-	-	-
	Net loan closing	-	-	-	-	-
	Average net loan	-	-	-	-	-
	Rate of interest on loan	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
	Interest on loan	-	-	-	-	-
<b>8</b>	<b>BOND-XXX</b>					
	Gross Drawl opening	12,500.00	12,500.00	12,500.00	12,500.00	12,500.00
	Cummulative repayment of drawl till prev yr	-	12,500.00	12,500.00	12,500.00	12,500.00
	Net Loan opening	12,500.00	-	-	-	-
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	12,500.00	-	-	-	-
	Repayment of loan during the year	12,500.00	-	-	-	-
	Net loan closing	-	-	-	-	-
	Average net loan	6,250.00	-	-	-	-
	Rate of interest on loan	7.9200%	0.0000%	0.0000%	0.0000%	0.0000%
	Interest on loan	495.00	-	-	-	-
<b>9</b>	<b>BOND-XLII</b>					
	Gross Drawl opening	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00
	Cummulative repayment of drawl till prev yr	-	-	-	-	333.33
	Net Loan opening	2,000.00	2,000.00	2,000.00	2,000.00	1,666.67
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	2,000.00	2,000.00	2,000.00	2,000.00	1,666.67
	Repayment of loan during the year	-	-	-	333.33	333.33
	Net loan closing	2,000.00	2,000.00	2,000.00	1,666.67	1,333.33
	Average net loan	2,000.00	2,000.00	2,000.00	1,833.33	1,500.00
	Rate of interest on loan	9.0300%	9.0300%	9.0300%	9.0300%	9.0300%
	Interest on loan	180.60	180.60	180.60	165.55	136.45
<b>10</b>	<b>BOND-XLVII</b>					
	Gross Drawl opening	2,500.00	2,500.00	2,500.00	2,500.00	2,500.00
	Cummulative repayment of drawl till prev yr	-	-	-	-	2,500.00
	Net Loan opening	2,500.00	2,500.00	2,500.00	2,500.00	-
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	2,500.00	2,500.00	2,500.00	2,500.00	-

Name of the Company : NTPC Ltd  
 Name of the Generating Station : Barh STPS Stage - II ( 2X660 MW)

FORM-13

S.No.	Particulars	Rs. in lakh				
		2019-20	2020-21	2021-22	2022-23	2023-24
	Repayment of loan during the year	-	-	-	-	-
	Net loan closing	2,500.00	2,500.00	2,500.00	2,500.00	-
	Average net loan	2,500.00	2,500.00	2,500.00	1,250.00	-
	Rate of interest on loan	8.8700%	8.8700%	8.8700%	8.8700%	0.0000%
	Interest on loan	221.75	221.75	221.75	110.88	-
<b>11</b>	<b>BOND-XLVIII</b>					
	Gross Drawl opening	2,500.00	2,500.00	2,500.00	2,500.00	2,500.00
	Cummulative repayment of drawl till prev yr	-	-	-	-	2,500.00
	Net Loan opening	2,500.00	2,500.00	2,500.00	2,500.00	-
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	2,500.00	2,500.00	2,500.00	2,500.00	-
	Repayment of loan during the year	-	-	-	-	-
	Net loan closing	2,500.00	2,500.00	2,500.00	2,500.00	-
	Average net loan	2,500.00	2,500.00	2,500.00	1,250.00	-
	Rate of interest on loan	8.7600%	8.7600%	8.7600%	8.7600%	0.0000%
	Interest on loan	219.00	219.00	219.00	109.50	-
<b>12</b>	<b>L1 A Bond</b>					
	Gross Drawl opening	1,729.01	1,729.01	1,729.01	1,729.01	1,729.01
	Cummulative repayment of drawl till prev yr	-	-	-	-	1,729.01
	Net Loan opening	1,729.01	1,729.01	1,729.01	1,729.01	-
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	1,729.01	1,729.01	1,729.01	1,729.01	1,729.01
	Repayment of loan during the year	-	-	-	-	-
	Net loan closing	1,729.01	1,729.01	1,729.01	1,729.01	1,729.01
	Average net loan	1,729.01	1,729.01	1,729.01	1,729.01	854.50
	Rate of interest on loan	8.4400%	8.4400%	8.4400%	8.4400%	8.4400%
	Interest on loan	145.93	145.93	145.93	145.93	72.90
<b>13</b>	<b>L2A Bond</b>					
	Gross Drawl opening	885.52	885.52	885.52	885.52	885.52
	Cummulative repayment of drawl till prev yr	-	-	-	-	885.52
	Net Loan opening	885.52	885.52	885.52	885.52	-
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	885.52	885.52	885.52	885.52	885.52
	Repayment of loan during the year	-	-	-	-	-
	Net loan closing	885.52	885.52	885.52	885.52	885.52
	Average net loan	885.52	885.52	885.52	885.52	885.52
	Rate of interest on loan	8.5100%	8.5100%	8.5100%	8.5100%	8.5100%
	Interest on loan	75.38	75.38	75.38	75.38	75.38
<b>14</b>	<b>L3A Bonds</b>					
	Gross Drawl opening	1,105.47	1,105.47	1,105.47	1,105.47	1,105.47
	Cummulative repayment of drawl till prev yr	-	-	-	-	1,105.47
	Net Loan opening	1,105.47	1,105.47	1,105.47	1,105.47	-
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	1,105.47	1,105.47	1,105.47	1,105.47	1,105.47
	Repayment of loan during the year	-	-	-	-	-
	Net loan closing	1,105.47	1,105.47	1,105.47	1,105.47	1,105.47
	Average net loan	1,105.47	1,105.47	1,105.47	1,105.47	1,105.47
	Rate of interest on loan	8.6900%	8.6900%	8.6900%	8.6900%	8.6900%
	Interest on loan	96.07	96.07	96.07	96.07	96.07
<b>15</b>	<b>L1 B Bonds</b>					
	Gross Drawl opening	739.18	739.18	739.18	739.18	739.18
	Cummulative repayment of drawl till prev yr	-	-	-	-	739.18
	Net Loan opening	739.18	739.18	739.18	739.18	-

Name of the Company : NTPC Ltd		FORM-13				
Name of the Generating Station : Barh STPS Stage - II ( 2X660 MW)		Rs. in lakh				
S.No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	739.18	739.18	739.18	739.18	739.18
	Repayment of loan during the year					
	Net loan closing	739.18	739.18	739.18	739.18	-
	Average net loan	739.18	739.18	739.18	739.18	369.59
	Rate of interest on loan	8.8900%	8.8900%	8.8900%	8.8900%	8.8900%
	Interest on loan	64.23	64.23	64.23	64.23	32.12
<b>16</b>	<b>L2 B Bonds</b>					
	Gross Drawl opening	323.79	323.79	323.79	323.79	323.79
	Cummulative repayment of drawl till prev yr	-	-	-	-	-
	Net Loan opening	323.79	323.79	323.79	323.79	323.79
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	323.79	323.79	323.79	323.79	323.79
	Repayment of loan during the year	-	-	-	-	-
	Net loan closing	323.79	323.79	323.79	323.79	323.79
	Average net loan	323.79	323.79	323.79	323.79	323.79
	Rate of interest on loan	8.7600%	8.7600%	8.7600%	8.7600%	8.7600%
	Interest on loan	28.36	28.36	28.36	28.36	28.36
<b>17</b>	<b>L3 B Bonds</b>					
	Gross Drawl opening	1,417.03	1,417.03	1,417.03	1,417.03	1,417.03
	Cummulative repayment of drawl till prev yr	-	-	-	-	-
	Net Loan opening	1,417.03	1,417.03	1,417.03	1,417.03	1,417.03
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	1,417.03	1,417.03	1,417.03	1,417.03	1,417.03
	Repayment of loan during the year	-	-	-	-	-
	Net loan closing	1,417.03	1,417.03	1,417.03	1,417.03	1,417.03
	Average net loan	1,417.03	1,417.03	1,417.03	1,417.03	1,417.03
	Rate of interest on loan	8.9400%	8.9400%	8.9400%	8.9400%	8.9400%
	Interest on loan	126.68	126.68	126.68	126.68	126.68
<b>18</b>	<b>L II Bonds</b>					
	Gross Drawl opening	400.00	400.00	400.00	400.00	400.00
	Cummulative repayment of drawl till prev yr	-	-	-	-	-
	Net Loan opening	400.00	400.00	400.00	400.00	400.00
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	400.00	400.00	400.00	400.00	400.00
	Repayment of loan during the year	-	-	-	-	400.00
	Net loan closing	400.00	400.00	400.00	400.00	-
	Average net loan	400.00	400.00	400.00	400.00	200.00
	Rate of interest on loan	8.3700%	8.3700%	8.3700%	8.3700%	8.3700%
	Interest on loan	37.48	37.48	37.48	37.48	18.74
<b>19</b>	<b>L III Bonds</b>					
	Gross Drawl opening	3,500.00	3,500.00	3,500.00	3,500.00	3,500.00
	Cummulative repayment of drawl till prev yr	-	-	-	-	-
	Net Loan opening	3,500.00	3,500.00	3,500.00	3,500.00	3,500.00
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	3,500.00	3,500.00	3,500.00	3,500.00	3,500.00
	Repayment of loan during the year	-	-	-	-	-
	Net loan closing	3,500.00	3,500.00	3,500.00	3,500.00	3,500.00
	Average net loan	3,500.00	3,500.00	3,500.00	3,500.00	3,500.00
	Rate of interest on loan	9.2000%	9.2000%	9.2000%	9.2000%	9.2000%
	Interest on loan	322.00	322.00	322.00	322.00	322.00
<b>20</b>	<b>Bond LIV</b>					

Name of the Company : NTPC Ltd						FORM-13
Name of the Generating Station : Barh STPS Stage - II (2X660 MW)						
Rs. in lakh						
S.No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
	Gross Drawl opening	63,500.00	63,500.00	63,500.00	63,500.00	63,500.00
	Cumulative repayment of drawl till prev yr	-	-	-	-	12,700.00
	Net Loan opening	63,500.00	63,500.00	63,500.00	63,500.00	50,800.00
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	63,500.00	63,500.00	63,500.00	63,500.00	50,800.00
	Repayment of loan during the year	-	-	-	12,700.00	25,400.00
	Net loan closing	63,500.00	63,500.00	63,500.00	50,800.00	25,400.00
	Average net loan	63,500.00	63,500.00	63,500.00	57,150.00	38,100.00
	Rate of interest on loan	8.5200%	8.5200%	8.5200%	8.5200%	8.5200%
	Interest on loan	5,410.20	5,410.20	5,410.20	4,889.18	3,245.12
<b>21</b>	<b>Bond LVIII</b>					
	Gross Drawl opening	2,400.00	2,400.00	2,400.00	2,400.00	2,400.00
	Cumulative repayment of drawl till prev yr	-	-	2,400.00	2,400.00	2,400.00
	Net Loan opening	2,400.00	2,400.00	-	-	-
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	2,400.00	2,400.00	-	-	-
	Repayment of loan during the year	-	2,400.00	-	-	-
	Net loan closing	2,400.00	-	-	-	-
	Average net loan	2,400.00	1,200.00	-	-	-
	Rate of interest on loan	8.2100%	8.2100%	0.0000%	0.0000%	0.0000%
	Interest on loan	197.04	98.52	-	-	-
<b>22</b>	<b>Bond 59</b>					
	Gross Drawl opening	2,700.00	2,700.00	2,700.00	2,700.00	2,700.00
	Cumulative repayment of drawl till prev yr	-	-	2,700.00	2,700.00	2,700.00
	Net Loan opening	2,700.00	2,700.00	-	-	-
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	2,700.00	2,700.00	-	-	-
	Repayment of loan during the year	-	2,700.00	-	-	-
	Net loan closing	2,700.00	-	-	-	-
	Average net loan	2,700.00	1,350.00	-	-	-
	Rate of interest on loan	8.3600%	8.3600%	0.0000%	0.0000%	0.0000%
	Interest on loan	225.72	112.95	-	-	-
<b>23</b>	<b>Bond 60</b>					
	Gross Drawl opening	1,700.00	1,700.00	1,700.00	1,700.00	1,700.00
	Cumulative repayment of drawl till prev yr	-	-	-	-	-
	Net Loan opening	1,700.00	1,700.00	1,700.00	1,700.00	1,700.00
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	1,700.00	1,700.00	1,700.00	1,700.00	1,700.00
	Repayment of loan during the year	-	-	-	-	-
	Net loan closing	1,700.00	1,700.00	1,700.00	1,700.00	1,700.00
	Average net loan	1,700.00	1,700.00	1,700.00	1,700.00	1,700.00
	Rate of interest on loan	8.0800%	8.0800%	8.0800%	8.0800%	8.0800%
	Interest on loan	137.36	137.36	137.36	137.36	137.36
<b>24</b>	<b>Bond 61</b>					
	Gross Drawl opening	500.00	500.00	500.00	500.00	500.00
	Cumulative repayment of drawl till prev yr	-	-	-	166.67	166.67
	Net Loan opening	500.00	500.00	500.00	333.33	333.33
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	500.00	500.00	500.00	333.33	333.33
	Repayment of loan during the year	-	-	166.67	-	-
	Net loan closing	500.00	500.00	333.33	333.33	333.33
	Average net loan	500.00	500.00	416.67	333.33	333.33
	Rate of interest on loan	8.1300%	8.1300%	8.1300%	8.1300%	8.1300%

Name of the Company : NTPC Ltd						FORM-13
Name of the Generating Station : Barh STPS Stage - II ( 2X660 MW)						
Rs. in lakh						
S.No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
	Interest on loan	40.66	40.65	33.88	27.10	27.10
<b>25</b>	<b>Bond 66</b>					
	Gross Drawl opening	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00
	Cummulative repayment of drawl till prev yr	-	-	-	-	-
	Net Loan opening	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00
	Repayment of loan during the year	-	-	-	-	-
	Net loan closing	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00
	Average net loan	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00
	Rate of interest on loan	7.4000%	7.4000%	7.4000%	7.4000%	7.4000%
	Interest on loan	148.00	148.00	148.00	148.00	148.00
<b>26</b>	<b>Bond 67</b>					
	Gross Drawl opening	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
	Cummulative repayment of drawl till prev yr	-	-	-	-	-
	Net Loan opening	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
	Repayment of loan during the year	-	-	-	-	-
	Net loan closing	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
	Average net loan	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
	Rate of interest on loan	8.3300%	8.3300%	8.3300%	8.3300%	8.3300%
	Interest on loan	83.30	83.30	83.30	83.30	83.30
<b>27</b>	<b>Bond 69</b>					
	Gross Drawl opening	-	1,400.00	1,400.00	1,400.00	1,400.00
	Cummulative repayment of drawl till prev yr	-	-	-	-	-
	Net Loan opening	-	1,400.00	1,400.00	1,400.00	1,400.00
	Increase decrease due to FERV					
	Increase decrease due to ACE	1,400.00				
	Total	1,400.00	1,400.00	1,400.00	1,400.00	1,400.00
	Repayment of loan during the year	-	-	-	-	-
	Net loan closing	1,400.00	1,400.00	1,400.00	1,400.00	1,400.00
	Average net loan	700.00	1,400.00	1,400.00	1,400.00	1,400.00
	Rate of interest on loan	7.7650%	7.7650%	7.7650%	7.7650%	7.7650%
	Interest on loan	54.36	108.71	108.71	108.71	108.71
<b>28</b>	<b>Bond 72</b>					
	Gross Drawl opening	-	-	62,500.00	62,500.00	62,500.00
	Cummulative repayment of drawl till prev yr	-	-	-	-	-
	Net Loan opening	-	-	62,500.00	62,500.00	62,500.00
	Increase decrease due to FERV					
	Increase decrease due to ACE	-	62,500.00			
	Total	-	62,500.00	62,500.00	62,500.00	62,500.00
	Repayment of loan during the year	-	-	-	-	-
	Net loan closing	-	62,500.00	62,500.00	62,500.00	62,500.00
	Average net loan	-	31,250.00	62,500.00	62,500.00	62,500.00
	Rate of interest on loan		8.7401%	8.7401%	8.7401%	8.7401%
	Interest on loan	-	2,106.29	4,212.58	4,212.58	4,212.58
<b>29</b>	<b>Bank of Maharashtra V-T-1-D1</b>					
	Gross Drawl opening	2,500.00	2,500.00	2,500.00	2,500.00	2,500.00
	Cummulative repayment of drawl till prev yr	2,500.00	2,500.00	2,500.00	2,500.00	2,500.00
	Net Loan opening	-	-	-	-	-
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	-	-	-	-	-
	Repayment of loan during the year	-	-	-	-	-



Name of the Company : NTPC Ltd							FORM-13
Name of the Generating Station : Barh STPS Stage - II ( 2X660 MW)							
		Rs. in lakh					
S.No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24	
	Net loan closing	-	-	-	-	-	
	Average net loan	-	-	-	-	-	
	Rate of interest on loan	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	
	Interest on loan	-	-	-	-	-	
<b>30</b>	<b>Bank of Maharashtra V-T-1-D7</b>						
	Gross Drawl opening	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00	
	Cumulative repayment of drawl till prev yr	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00	
	Net Loan opening	-	-	-	-	-	
	Increase decrease due to FERV	-	-	-	-	-	
	Increase decrease due to ACE	-	-	-	-	-	
	Total	-	-	-	-	-	
	Repayment of loan during the year	-	-	-	-	-	
	Net loan closing	-	-	-	-	-	
	Average net loan	-	-	-	-	-	
	Rate of interest on loan	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	
	Interest on loan	-	-	-	-	-	
<b>31</b>	<b>Bank of Maharashtra V-T-1-D9</b>						
	Gross Drawl opening	6,500.00	6,500.00	6,500.00	6,500.00	6,500.00	
	Cumulative repayment of drawl till prev yr	6,500.00	6,500.00	6,500.00	6,500.00	6,500.00	
	Net Loan opening	-	-	-	-	-	
	Increase decrease due to FERV	-	-	-	-	-	
	Increase decrease due to ACE	-	-	-	-	-	
	Total	-	-	-	-	-	
	Repayment of loan during the year	-	-	-	-	-	
	Net loan closing	-	-	-	-	-	
	Average net loan	-	-	-	-	-	
	Rate of interest on loan	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	
	Interest on loan	-	-	-	-	-	
<b>32</b>	<b>Karnataka Bank-II- Repayment from 28.03.2021(Bank</b>						
	Gross Drawl opening	13,125.00	13,125.00	13,125.00	13,125.00	13,125.00	
	Cumulative repayment of drawl till prev yr	-	-	1,458.33	2,918.67	4,375.00	
	Net Loan opening	13,125.00	13,125.00	11,666.67	10,206.33	8,750.00	
	Increase decrease due to FERV	-	-	-	-	-	
	Increase decrease due to ACE	-	-	-	-	-	
	Total	13,125.00	13,125.00	11,666.67	10,206.33	8,750.00	
	Repayment of loan during the year	-	1,458.33	1,458.33	1,458.33	1,458.33	
	Net loan closing	13,125.00	11,666.67	10,206.33	8,750.00	7,291.67	
	Average net loan	13,125.00	12,395.83	10,837.50	9,478.17	8,020.83	
	Rate of interest on loan	7.4476%	6.3763%	5.2200%	5.2200%	5.2200%	
	Interest on loan	977.50	686.44	570.94	494.81	418.89	
<b>33</b>	<b>Canara Bank-III-T-1-D-2</b>						
	Gross Drawl opening	15,300.00	15,300.00	15,300.00	15,300.00	15,300.00	
	Cumulative repayment of drawl till prev yr	1,530.00	2,295.00	15,300.00	15,300.00	15,300.00	
	Net Loan opening	13,770.00	13,005.00	-	-	-	
	Increase decrease due to FERV	-	-	-	-	-	
	Increase decrease due to ACE	-	-	-	-	-	
	Total	13,770.00	13,005.00	-	-	-	
	Repayment of loan during the year	785.00	13,005.00	-	-	-	
	Net loan closing	13,005.00	-	-	-	-	
	Average net loan	13,387.50	6,502.50	-	-	-	
	Rate of interest on loan	8.1906%	7.1644%	7.0000%	7.0000%	7.0000%	
	Interest on loan	1,096.51	465.86	-	-	-	
<b>34</b>	<b>Dena Bank-T-1-D-2</b>						
	Gross Drawl opening	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	
	Cumulative repayment of drawl till prev yr	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	
	Net Loan opening	-	-	-	-	-	
	Increase decrease due to FERV	-	-	-	-	-	

Prepaid on 24-06-2020

Name of the Company : NTPC Ltd

Name of the Generating Station : Barh STPS Stage - II ( 2X660 MW)

FORM-13

S.No.	Particulars	Rs. in lakh				
		2019-20	2020-21	2021-22	2022-23	2023-24
	Increase/decrease due to ACE					
	Total	-	-	-	-	-
	Repayment of loan during the year	0.00	0.00	0.00	0.00	0.00
	Net loan closing	-	-	-	-	-
	Average net loan	-	-	-	-	-
	Rate of interest on loan	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
	Interest on loan	-	-	-	-	-
<b>35</b>	<b>HDFC Bank Ltd. -II T-1-D-1</b>					
	Gross Drawl opening	7,500.00	7,500.00	7,500.00	7,500.00	7,500.00
	Cumulative repayment of drawl till prev yr	5,357.14	5,428.57	7,500.00	7,500.00	7,500.00
	Net Loan opening	2,142.86	1,071.43	-	-	-
	Increase/decrease due to FERV					
	Increase/decrease due to ACE					
	Total	2,142.86	1,071.43	-	-	-
	Repayment of loan during the year	1071.43	1071.43	-	-	-
	Net loan closing	1,071.43	-	-	-	-
	Average net loan	1,807.14	535.71	-	-	-
	Rate of interest on loan	6.0594%	6.3982%	0.0000%	0.0000%	0.0000%
	Interest on loan	129.53	34.28	-	-	-
<b>36</b>	<b>HUDCO LTD-I T1-D1</b>					
	Gross Drawl opening	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00
	Cumulative repayment of drawl till prev yr	2,275.00	2,730.00	5,000.00	5,000.00	5,000.00
	Net Loan opening	2,725.00	2,270.00	-	-	-
	Increase/decrease due to FERV					
	Increase/decrease due to ACE					
	Total	2,725.00	2,270.00	-	-	-
	Repayment of loan during the year	455.00	2270.00	-	-	-
	Net loan closing	2,270.00	-	-	-	-
	Average net loan	2,497.50	1,135.00	-	-	-
	Rate of interest on loan	6.0131%	7.1584%	7.0000%	7.0000%	7.0000%
	Interest on loan	200.13	81.25	-	-	-
<b>37</b>	<b>Indian Overseas Bank-III-T-1-D-6</b>					
	Gross Drawl opening	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
	Cumulative repayment of drawl till prev yr	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
	Net Loan opening	-	-	-	-	-
	Increase/decrease due to FERV					
	Increase/decrease due to ACE					
	Total	-	-	-	-	-
	Repayment of loan during the year	0.00	0.00	0.00	0.00	0.00
	Net loan closing	-	-	-	-	-
	Average net loan	-	-	-	-	-
	Rate of interest on loan	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
	Interest on loan	-	-	-	-	-
<b>38</b>	<b>Indian Overseas Bank-III-T-1-D-7</b>					
	Gross Drawl opening	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00
	Cumulative repayment of drawl till prev yr	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00
	Net Loan opening	-	-	-	-	-
	Increase/decrease due to FERV					
	Increase/decrease due to ACE					
	Total	-	-	-	-	-
	Repayment of loan during the year	0.00	0.00	0.00	0.00	0.00
	Net loan closing	-	-	-	-	-
	Average net loan	-	-	-	-	-
	Rate of interest on loan	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
	Interest on loan	-	-	-	-	-
<b>39</b>	<b>Indian Overseas Bank-III-T-1-D-10</b>					
	Gross Drawl opening	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00

Prepaid on 24/08/2020

Name of the Company : NTPC Ltd		FORM-13				
Name of the Generating Station : Barh STPS Stage - II (2X660 MW)		Rs. in lakh				
S.No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
	Cummulative repayment of drawl till prev yr	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00
	Net Loan opening	-	-	-	-	-
	Increase decrease due to FERV	-	-	-	-	-
	Increase decrease due to ACE	-	-	-	-	-
	Total	-	-	-	-	-
	Repayment of loan during the year	0.00	0.00	0.00	0.00	0.00
	Net loan closing	-	-	-	-	-
	Average net loan	-	-	-	-	-
	Rate of interest on loan	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
	Interest on loan	-	-	-	-	-
<b>40</b>	<b>Indian Overseas Bank -III T-1-D-12</b>					
	Gross Drawl opening	8,000.00	8,000.00	8,000.00	8,000.00	8,000.00
	Cummulative repayment of drawl till prev yr	8,000.00	8,000.00	8,000.00	8,000.00	8,000.00
	Net Loan opening	-	-	-	-	-
	Increase decrease due to FERV	-	-	-	-	-
	Increase decrease due to ACE	-	-	-	-	-
	Total	-	-	-	-	-
	Repayment of loan during the year	0.00	0.00	0.00	0.00	0.00
	Net loan closing	-	-	-	-	-
	Average net loan	-	-	-	-	-
	Rate of interest on loan	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
	Interest on loan	-	-	-	-	-
<b>41</b>	<b>ICICI Bank-V D1- Total- Repayment from 20.12.2020(Dena)</b>					
	Gross Drawl opening	67,575.89	67,575.89	67,575.89	67,575.89	67,575.89
	Cummulative repayment of drawl till prev yr	67,575.89	67,575.89	67,575.89	67,575.89	67,575.89
	Net Loan opening	-	-	-	-	-
	Increase decrease due to FERV	-	-	-	-	-
	Increase decrease due to ACE	-	-	-	-	-
	Total	-	-	-	-	-
	Repayment of loan during the year	-	-	-	-	-
	Net loan closing	-	-	-	-	-
	Average net loan	-	-	-	-	-
	Rate of interest on loan	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
	Interest on loan	-	-	-	-	-
<b>42</b>	<b>Corporation Bank-IV D1- Repayment from</b>					
	Gross loan - Opening	67575.89	67575.89	67575.89	67575.89	67575.89
	Cummulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00	7508.43
	Net loan - Opening	67575.89	67575.89	67575.89	67575.89	60067.46
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	67575.89	67575.89	67575.89	67575.89	60067.46
	Repayments of Loans during the period	0.00	0.00	0.00	7508.43	7508.43
	Net loan - Closing	67575.89	67575.89	67575.89	60067.46	52559.03
	Average Net Loan	67575.89	67575.89	67575.89	63821.68	56313.24
	Rate of interest on Loan	8.0556%	6.6705%	6.0000%	6.0000%	6.0000%
	Interest on Loan Annualised	5443.64	4507.68	4054.55	3829.30	3378.79
<b>43</b>	<b>SBI-IV T-1-D-5</b>					
	Gross Drawl opening	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00
	Cummulative repayment of drawl till prev yr	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00
	Net Loan opening	-	-	-	-	-
	Increase decrease due to FERV	-	-	-	-	-
	Increase decrease due to ACE	-	-	-	-	-
	Total	-	-	-	-	-
	Repayment of loan during the year	0.00	0.00	0.00	0.00	0.00
	Net loan closing	-	-	-	-	-
	Average net loan	-	-	-	-	-
	Rate of interest on loan	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
	Interest on loan	-	-	-	-	-

Name of the Company : NTPC Ltd							FORM-13
Name of the Generating Station : Bach STPS Stage - II ( 2X660 MW)							Rs. in lakh
S.No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24	
<b>44</b>	<b>SBI-V-T-1-D-2</b>						
	Gross Drawl opening	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	
	Cummulative repayment of drawl till prev yr	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	
	Net Loan opening	-	-	-	-	-	
	Increase decrease due to FERV						
	Increase decrease due to ACE						
	Total	-	-	-	-	-	
	Repayment of loan during the year	0.00	0.00	0.00	0.00	0.00	
	Net loan closing	-	-	-	-	-	
	Average net loan	-	-	-	-	-	
	Rate of interest on loan	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	
	Interest on loan						
<b>45</b>	<b>SBI-V-T-1-D-7</b>						
	Gross Drawl opening	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00	
	Cummulative repayment of drawl till prev yr	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00	
	Net Loan opening	-	-	-	-	-	
	Increase decrease due to FERV						
	Increase decrease due to ACE						
	Total	-	-	-	-	-	
	Repayment of loan during the year	0.00	0.00	0.00	0.00	0.00	
	Net loan closing	-	-	-	-	-	
	Average net loan	-	-	-	-	-	
	Rate of interest on loan	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	
	Interest on loan						
<b>46</b>	<b>SBI-VI-T-1-D-5</b>						
	Gross Drawl opening	3,500.00	3,500.00	3,500.00	3,500.00	3,500.00	
	Cummulative repayment of drawl till prev yr	3,500.00	3,500.00	3,500.00	3,500.00	3,500.00	
	Net Loan opening	-	-	-	-	-	
	Increase decrease due to FERV						
	Increase decrease due to ACE						
	Total	-	-	-	-	-	
	Repayment of loan during the year	0.00	0.00	0.00	0.00	0.00	
	Net loan closing	-	-	-	-	-	
	Average net loan	-	-	-	-	-	
	Rate of interest on loan	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	
	Interest on loan						
<b>47</b>	<b>SBI-VII-T-1-D-1</b>						
	Gross Drawl opening	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	
	Cummulative repayment of drawl till prev yr	10,000.00	12,500.00	16,000.00	17,500.00	20,000.00	
	Net Loan opening	10,000.00	7,500.00	5,000.00	2,500.00	-	
	Increase decrease due to FERV						
	Increase decrease due to ACE						
	Total	10,000.00	7,500.00	5,000.00	2,500.00	-	
	Repayment of loan during the year	2500.00	2500.00	2500.00	2500.00	0.00	
	Net loan closing	7,500.00	5,000.00	2,500.00	-	-	
	Average net loan	8,750.00	6,250.00	3,750.00	1,250.00	-	
	Rate of interest on loan	7.9342%	6.8560%	6.8500%	6.8500%	0.0000%	
	Interest on loan	694.24	428.50	240.38	83.13	-	
<b>48</b>	<b>SBI-VII-T-1-D-3</b>						
	Gross Drawl opening	5,400.00	5,400.00	5,400.00	5,400.00	5,400.00	
	Cummulative repayment of drawl till prev yr	2,700.00	3,375.00	4,050.00	4,725.00	5,400.00	
	Net Loan opening	2,700.00	2,025.00	1,350.00	675.00	-	
	Increase decrease due to FERV						
	Increase decrease due to ACE						
	Total	2,700.00	2,025.00	1,350.00	675.00	-	
	Repayment of loan during the year	675.00	675.00	675.00	675.00	0.00	
	Net loan closing	2,025.00	1,350.00	675.00	-	-	

Name of the Company : NTPC Ltd							FORM-13
Name of the Generating Station : Barh STPS Stage - II ( 2X660 MW)							
S.No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24	Rs. in lakh
	Average net loan	2,362.50	1,687.50	1,012.50	337.50	-	
	Rate of Interest on loan	7.9342%	8.8550%	8.6500%	8.6500%	0.0000%	
	Interest on loan	187.44	115.70	87.33	22.44	-	
<b>49</b>	<b>SBI-VII-T-1-D-7</b>						
	Gross Drawl opening	8,000.00	8,000.00	8,000.00	8,000.00	8,000.00	
	Cummulative repayment of drawl till prev yr	4,000.00	5,000.00	6,000.00	7,000.00	8,000.00	
	Net Loan opening	4,000.00	3,000.00	2,000.00	1,000.00	-	
	Increase decrease due to FERV						
	Increase decrease due to ACE						
	Total	4,000.00	3,000.00	2,000.00	1,000.00	-	
	Repayment of loan during the year	3000.00	1000.00	1000.00	1000.00	0.00	
	Net loan closing	3,000.00	2,000.00	1,000.00	-	-	
	Average net loan	3,500.00	2,500.00	1,500.00	500.00	-	
	Rate of Interest on loan	7.9342%	8.8560%	8.6500%	8.6500%	0.0000%	
	Interest on loan	277.70	171.40	99.75	33.25	-	
<b>50</b>	<b>SBI-VII-T-1-D-9</b>						
	Gross Drawl opening	6,000.00	6,000.00	6,000.00	6,000.00	6,000.00	
	Cummulative repayment of drawl till prev yr	3,000.00	3,750.00	4,500.00	5,250.00	6,000.00	
	Net Loan opening	3,000.00	2,250.00	1,500.00	750.00	-	
	Increase decrease due to FERV						
	Increase decrease due to ACE						
	Total	3,000.00	2,250.00	1,500.00	750.00	-	
	Repayment of loan during the year	750.00	750.00	750.00	750.00	0.00	
	Net loan closing	2,250.00	1,500.00	750.00	-	-	
	Average net loan	2,625.00	1,875.00	1,125.00	375.00	-	
	Rate of Interest on loan	7.9342%	8.8560%	8.6500%	8.6500%	0.0000%	
	Interest on loan	208.27	128.55	74.81	24.94	-	
<b>61</b>	<b>SBI-VII-T-1-D-12</b>						
	Gross Drawl opening	6,700.00	6,700.00	6,700.00	6,700.00	6,700.00	
	Cummulative repayment of drawl till prev yr	3,350.00	4,187.50	5,025.00	5,862.50	6,700.00	
	Net Loan opening	3,350.00	2,512.50	1,675.00	837.50	-	
	Increase decrease due to FERV						
	Increase decrease due to ACE						
	Total	3,350.00	2,512.50	1,675.00	837.50	-	
	Repayment of loan during the year	837.50	837.50	837.50	837.50	0.00	
	Net loan closing	2,512.50	1,675.00	837.50	-	-	
	Average net loan	2,931.25	2,089.75	1,256.25	418.75	-	
	Rate of Interest on loan	7.9342%	8.8560%	8.6500%	8.6500%	0.0000%	
	Interest on loan	232.57	143.55	83.54	27.85	-	
<b>62</b>	<b>SBI-VII-T-1-D-16</b>						
	Gross Drawl opening	2,500.00	2,500.00	2,500.00	2,500.00	2,500.00	
	Cummulative repayment of drawl till prev yr	1,250.00	1,562.50	1,875.00	2,187.50	2,500.00	
	Net Loan opening	1,250.00	937.50	625.00	312.50	-	
	Increase decrease due to FERV						
	Increase decrease due to ACE						
	Total	1,250.00	937.50	625.00	312.50	-	
	Repayment of loan during the year	312.50	312.50	312.50	312.50	0.00	
	Net loan closing	937.50	625.00	312.50	-	-	
	Average net loan	1,093.75	781.25	468.75	156.25	-	
	Rate of Interest on loan	7.9342%	8.8560%	8.6500%	8.6500%	0.0000%	
	Interest on loan	88.78	53.95	31.17	10.39	-	
<b>63</b>	<b>SBI-VII-T-1-D-19</b>						
	Gross Drawl opening	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	
	Cummulative repayment of drawl till prev yr	1,000.00	1,250.00	1,500.00	1,750.00	2,000.00	
	Net Loan opening	1,000.00	750.00	500.00	250.00	-	
	Increase decrease due to FERV						
	Increase decrease due to ACE						

Name of the Company : NTPC Ltd		FORM-13				
Name of the Generating Station : Barh STPS Stage - II ( 2X660 MW)		Rs. in lakh				
S.No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
	Total	1,000.00	750.00	500.00	250.00	-
	Repayment of loan during the year	250.00	250.00	250.00	250.00	0.00
	Net loan closing	750.00	500.00	250.00	-	-
	Average net loan	875.00	625.00	375.00	125.00	-
	Rate of Interest on loan	7.9342%	6.8560%	6.6500%	6.6800%	0.0000%
	Interest on loan	69.42	42.85	24.94	8.31	-
<b>54</b>	<b>UCO Bank-II D1</b>					
	Gross Drawl opening	2,500.00	2,500.00	2,500.00	2,500.00	2,500.00
	Cummulative repayment of drawl till prev yr	2,500.00	2,500.00	2,500.00	2,500.00	2,500.00
	Net Loan opening	-	-	-	-	-
	Increase decrease due to FERV	-	-	-	-	-
	Increase decrease due to ACE	-	-	-	-	-
	Total	-	-	-	-	-
	Repayment of loan during the year	-	-	-	-	-
	Net loan closing	-	-	-	-	-
	Average net loan	-	-	-	-	-
	Rate of Interest on loan	9.2000%	9.2000%	9.2000%	9.2000%	9.2000%
	Interest on loan	-	-	-	-	-
<b>55</b>	<b>UCO Bank-II D7</b>					
	Gross Drawl opening	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00
	Cummulative repayment of drawl till prev yr	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00
	Net Loan opening	-	-	-	-	-
	Increase decrease due to FERV	-	-	-	-	-
	Increase decrease due to ACE	-	-	-	-	-
	Total	-	-	-	-	-
	Repayment of loan during the year	-	-	-	-	-
	Net loan closing	-	-	-	-	-
	Average net loan	-	-	-	-	-
	Rate of Interest on loan	9.2000%	9.2000%	9.2000%	9.2000%	9.2000%
	Interest on loan	-	-	-	-	-
<b>56</b>	<b>UCO Bank-II D8</b>					
	Gross Drawl opening	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00
	Cummulative repayment of drawl till prev yr	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00
	Net Loan opening	-	-	-	-	-
	Increase decrease due to FERV	-	-	-	-	-
	Increase decrease due to ACE	-	-	-	-	-
	Total	-	-	-	-	-
	Repayment of loan during the year	-	-	-	-	-
	Net loan closing	-	-	-	-	-
	Average net loan	-	-	-	-	-
	Rate of Interest on loan	9.2000%	9.2000%	9.2000%	9.2000%	9.2000%
	Interest on loan	-	-	-	-	-
<b>57</b>	<b>UCO Bank-II D9</b>					
	Gross Drawl opening	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
	Cummulative repayment of drawl till prev yr	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
	Net Loan opening	-	-	-	-	-
	Increase decrease due to FERV	-	-	-	-	-
	Increase decrease due to ACE	-	-	-	-	-
	Total	-	-	-	-	-
	Repayment of loan during the year	-	-	-	-	-
	Net loan closing	-	-	-	-	-
	Average net loan	-	-	-	-	-
	Rate of Interest on loan	9.2000%	9.2000%	9.2000%	9.2000%	9.2000%
	Interest on loan	-	-	-	-	-
<b>58</b>	<b>Union Bank of India-II D3</b>					
	Gross Drawl opening	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
	Cummulative repayment of drawl till prev yr	2,500.00	3,500.00	4,500.00	5,500.00	6,500.00

Name of the Company : NTPC Ltd		FORM-13				
Name of the Generating Station : Barh STPS Stage - II ( 2X660 MW)						
S.No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
		Rs. in lakh				
	Net Loan opening	7,500.00	6,500.00	5,500.00	4,500.00	3,500.00
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	7,500.00	6,500.00	5,500.00	4,500.00	3,500.00
	Repayment of loan during the year	1000.00	1000.00	1000.00	1000.00	1000.00
	Net loan closing	6,500.00	5,500.00	4,500.00	3,500.00	2,500.00
	Average net loan	7,000.00	6,000.00	5,000.00	4,000.00	3,000.00
	Rate of interest on loan	6.0785%	6.7019%	6.0000%	6.0000%	6.0000%
	Interest on loan	565.57	402.12	300.00	240.00	180.00
<b>59</b>	<b>Union Bank of India-II D4</b>					
	Gross Drawal opening	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00
	Cummulative repayment of drawal till prev yr	1,250.00	1,750.00	2,250.00	2,750.00	3,250.00
	Net Loan opening	3,750.00	3,250.00	2,750.00	2,250.00	1,750.00
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	3,750.00	3,250.00	2,750.00	2,250.00	1,750.00
	Repayment of loan during the year	500.00	500.00	500.00	500.00	500.00
	Net loan closing	3,250.00	2,750.00	2,250.00	1,750.00	1,250.00
	Average net loan	3,500.00	3,000.00	2,500.00	2,000.00	1,500.00
	Rate of interest on loan	8.0795%	6.7019%	6.0000%	6.0000%	6.0000%
	Interest on loan	282.78	201.00	150.00	120.00	90.00
<b>60</b>	<b>Union Bank of India-II D9</b>					
	Gross Drawal opening	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00
	Cummulative repayment of drawal till prev yr	1,250.00	1,750.00	2,250.00	2,750.00	3,250.00
	Net Loan opening	3,750.00	3,250.00	2,750.00	2,250.00	1,750.00
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	3,750.00	3,250.00	2,750.00	2,250.00	1,750.00
	Repayment of loan during the year	500.00	500.00	500.00	500.00	500.00
	Net loan closing	3,250.00	2,750.00	2,250.00	1,750.00	1,250.00
	Average net loan	3,500.00	3,000.00	2,500.00	2,000.00	1,500.00
	Rate of interest on loan	8.0795%	6.7019%	6.0000%	6.0000%	6.0000%
	Interest on loan	282.78	201.06	150.00	120.00	90.00
<b>61</b>	<b>Union Bank of India -II D12</b>					
	Gross Drawal opening	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
	Cummulative repayment of drawal till prev yr	2,500.00	3,500.00	4,500.00	5,500.00	6,500.00
	Net Loan opening	7,500.00	6,500.00	5,500.00	4,500.00	3,500.00
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	7,500.00	6,500.00	5,500.00	4,500.00	3,500.00
	Repayment of loan during the year	1000.00	1000.00	1000.00	1000.00	1000.00
	Net loan closing	6,500.00	5,500.00	4,500.00	3,500.00	2,500.00
	Average net loan	7,000.00	6,000.00	5,000.00	4,000.00	3,000.00
	Rate of interest on loan	8.0795%	6.7019%	6.0000%	6.0000%	6.0000%
	Interest on loan	585.57	402.12	300.00	240.00	180.00
<b>62</b>	<b>United Bank of India-IV T-1-D-1</b>					
	Gross Drawal opening	2,500.00	2,500.00	2,500.00	2,500.00	2,500.00
	Cummulative repayment of drawal till prev yr	937.50	2,500.00	2,500.00	2,500.00	2,500.00
	Net Loan opening	1,562.50	-	-	-	-
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	1,562.50	-	-	-	-
	Repayment of loan during the year	1,562.50	-	-	-	-
	Net loan closing	-	-	-	-	-
	Average net loan	781.25	-	-	-	-
	Rate of interest on loan	8.2277%	8.1500%	8.1500%	8.1500%	8.1500%
	Interest on loan	64.28	-	-	-	-

Name of the Company : NTPC Ltd							FORM-13
Name of the Generating Station : Barh STPS Stage - II ( 2X660 MW)							
S.No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24	Ra. in lakh
<b>63</b>	<b>Vijay Bank -IV T-1-D-4</b>						
	Gross Drawl opening	2,900.00	2,900.00	2,900.00	2,900.00	2,900.00	
	Cummulative repayment of drawl till prev yr	2,278.46	2,682.73	2,900.00	2,900.00	2,900.00	
	Net Loan opening	621.54	207.27	-	-	-	
	Increase decrease due to FERV						
	Increase decrease due to ACE						
	Total	621.54	207.27	-	-	-	
	Repayment of loan during the year	414.26	207.27	-	-	-	
	Net loan closing	207.27	-	-	-	-	
	Average net loan	414.41	103.84	-	-	-	
	Rate of interest on loan	8.0117%	7.2048%	0.0000%	0.0000%	0.0000%	
	Interest on loan	33.20	7.47	-	-	-	
<b>64</b>	<b>Vijaya Bank -V T1 D1</b>						
	Gross Drawl opening	2,500.00	2,500.00	2,500.00	2,500.00	2,500.00	
	Cummulative repayment of drawl till prev yr	1,428.57	1,607.14	2,500.00	2,500.00	2,500.00	
	Net Loan opening	1,071.43	892.86	-	-	-	
	Increase decrease due to FERV						
	Increase decrease due to ACE						
	Total	1,071.43	892.86	-	-	-	
	Repayment of loan during the year	178.57	892.86	-	-	-	
	Net loan closing	892.86	-	-	-	-	
	Average net loan	892.14	446.43	-	-	-	
	Rate of interest on loan	8.0117%	7.2048%	7.1500%	0.0000%	0.0000%	
	Interest on loan	78.89	32.16	-	-	-	
<b>65</b>	<b>Bank of India -II T-1-D-6</b>						
	Gross Drawl opening	11,000.00	11,000.00	11,000.00	11,000.00	11,000.00	
	Cummulative repayment of drawl till prev yr	-	1,100.00	11,000.00	11,000.00	11,000.00	
	Net Loan opening	11,000.00	9,900.00	-	-	-	
	Increase decrease due to FERV						
	Increase decrease due to ACE						
	Total	11,000.00	9,900.00	-	-	-	
	Repayment of loan during the year	1100.00	9900.00	-	-	-	
	Net loan closing	9,900.00	-	-	-	-	
	Average net loan	10,450.00	4,950.00	-	-	-	
	Rate of interest on loan	8.0783%	8.8462%	6.7000%	6.7000%	6.7000%	
	Interest on loan	844.18	338.89	-	-	-	
<b>66</b>	<b>Syndicate Bank -III D-10 repayment from</b>						
	Gross Drawl opening	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	
	Cummulative repayment of drawl till prev yr	3,125.00	4,375.00	5,625.00	6,875.00	8,125.00	
	Net Loan opening	6,875.00	5,625.00	4,375.00	3,125.00	1,875.00	
	Increase decrease due to FERV						
	Increase decrease due to ACE						
	Total	6,875.00	5,625.00	4,375.00	3,125.00	1,875.00	
	Repayment of loan during the year	1250.00	1250.00	1250.00	1250.00	1250.00	
	Net loan closing	5,625.00	4,375.00	3,125.00	1,875.00	625.00	
	Average net loan	6,250.00	5,000.00	3,750.00	2,500.00	1,250.00	
	Rate of interest on loan	8.1036%	7.3004%	7.2000%	7.2000%	7.2000%	
	Interest on loan	506.47	365.02	270.00	180.00	90.00	
<b>67</b>	<b>Syndicate Bank -III D-11 repayment from</b>						
	Gross Drawl opening	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	
	Cummulative repayment of drawl till prev yr	3,125.00	4,375.00	5,625.00	6,875.00	8,125.00	
	Net Loan opening	6,875.00	5,625.00	4,375.00	3,125.00	1,875.00	
	Increase decrease due to FERV						
	Increase decrease due to ACE						
	Total	6,875.00	5,625.00	4,375.00	3,125.00	1,875.00	
	Repayment of loan during the year	1250.00	1250.00	1250.00	1250.00	1250.00	
	Net loan closing	5,625.00	4,375.00	3,125.00	1,875.00	625.00	
	Average net loan	6,250.00	5,000.00	3,750.00	2,500.00	1,250.00	

Prepaid on 24/08/2020

Prepaid on 07/12/2020



Name of the Company : NTPC Ltd						FORM-13
Name of the Generating Station : Bark STPS Stage - II ( 2X660 MW)						
Rs. in lakh						
S.No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
	Rate of interest on loan	8.1036%	7.3004%	7.2000%	7.2000%	7.2000%
	Interest on loan	506.47	385.62	270.00	180.00	90.00
<b>68</b>	<b>PFC-V-T-1-D-13</b>					
	Gross Drawl opening	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00
	Cummulative repayment of drawl till prev yr	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00
	Net Loan opening	-	-	-	-	-
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	-	-	-	-	-
	Repayment of loan during the year	0.00	0.00	0.00	0.00	0.00
	Net loan closing	-	-	-	-	-
	Average net loan	-	-	-	-	-
	Rate of interest on loan	8.7600%	8.7600%	8.7600%	8.7600%	8.7600%
	Interest on loan	-	-	-	-	-
<b>69</b>	<b>PFC-V-T-1-D-18</b>					
	Gross Drawl opening	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
	Cummulative repayment of drawl till prev yr	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
	Net Loan opening	-	-	-	-	-
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	-	-	-	-	-
	Repayment of loan during the year	-	-	-	-	-
	Net loan closing	-	-	-	-	-
	Average net loan	-	-	-	-	-
	Rate of interest on loan	8.6400%	8.6400%	8.6400%	8.6400%	8.6400%
	Interest on loan	-	-	-	-	-
<b>70</b>	<b>PFC-V-T-1-D-20</b>					
	Gross Drawl opening	6,000.00	6,000.00	6,000.00	6,000.00	6,000.00
	Cummulative repayment of drawl till prev yr	6,000.00	6,000.00	6,000.00	6,000.00	6,000.00
	Net Loan opening	-	-	-	-	-
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	-	-	-	-	-
	Repayment of loan during the year	-	-	-	-	-
	Net loan closing	-	-	-	-	-
	Average net loan	-	-	-	-	-
	Rate of interest on loan	8.4000%	8.4000%	8.4000%	8.4000%	8.4000%
	Interest on loan	-	-	-	-	-
<b>71</b>	<b>PFC-V-T-1-D-22</b>					
	Gross Drawl opening	5,500.00	5,500.00	5,500.00	5,500.00	5,500.00
	Cummulative repayment of drawl till prev yr	5,500.00	5,500.00	5,500.00	5,500.00	5,500.00
	Net Loan opening	-	-	-	-	-
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	-	-	-	-	-
	Repayment of loan during the year	-	-	-	-	-
	Net loan closing	-	-	-	-	-
	Average net loan	-	-	-	-	-
	Rate of interest on loan	7.6200%	7.6200%	7.6200%	7.6200%	7.6200%
	Interest on loan	-	-	-	-	-
<b>72</b>	<b>PFC-V-T-1-D-23</b>					
	Gross Drawl opening	2,500.00	2,500.00	2,500.00	2,500.00	2,500.00
	Cummulative repayment of drawl till prev yr	2,500.00	2,500.00	2,500.00	2,500.00	2,500.00
	Net Loan opening	-	-	-	-	-
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	-	-	-	-	-

Name of the Company : NTPC Ltd						FORM-13
Name of the Generating Station : Barh STPS Stage - II ( 2x660 MW)						
						Rs. in lakh
S.No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
	Repayment of loan during the year	-	-	-	-	-
	Net loan closing	-	-	-	-	-
	Average net loan	-	-	-	-	-
	Rate of interest on loan	7.4300%	7.4300%	7.4300%	7.4300%	7.4300%
	Interest on loan	-	-	-	-	-
<b>73</b>	<b>PFC-V-T-1-D-29</b>					
	Gross Drawl opening	13,000.00	13,000.00	13,000.00	13,000.00	13,000.00
	Cumulative repayment of drawl till prev yr	-	-	13,000.00	13,000.00	13,000.00
	Net Loan opening	13,000.00	13,000.00	-	-	-
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	13,000.00	13,000.00	-	-	-
	Repayment of loan during the year	-	13,000.00	-	-	-
	Net loan closing	13,000.00	-	-	-	-
	Average net loan	13,000.00	6,500.00	-	-	-
	Rate of interest on loan	7.7800%	7.3100%	7.3100%	7.3100%	7.3100%
	Interest on loan	1,008.80	475.15	-	-	-
<b>74</b>	<b>PFC-V-T-1-D-31</b>					
	Gross Drawl opening	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00
	Cumulative repayment of drawl till prev yr	-	-	4,000.00	4,000.00	4,000.00
	Net Loan opening	4,000.00	4,000.00	-	-	-
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	4,000.00	4,000.00	-	-	-
	Repayment of loan during the year	-	4,000.00	-	-	-
	Net loan closing	4,000.00	-	-	-	-
	Average net loan	4,000.00	2,000.00	-	-	-
	Rate of interest on loan	7.4400%	7.4400%	7.4400%	7.4400%	7.4400%
	Interest on loan	297.80	148.80	-	-	-
<b>75</b>	<b>PFC-V-T-1-D-33</b>					
	Gross Drawl opening	8,000.00	8,000.00	8,000.00	8,000.00	8,000.00
	Cumulative repayment of drawl till prev yr	-	-	8,000.00	8,000.00	8,000.00
	Net Loan opening	8,000.00	8,000.00	-	-	-
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	8,000.00	8,000.00	-	-	-
	Repayment of loan during the year	-	8,000.00	-	-	-
	Net loan closing	8,000.00	-	-	-	-
	Average net loan	8,000.00	4,000.00	-	-	-
	Rate of interest on loan	7.8300%	7.8300%	7.8300%	7.8300%	7.8300%
	Interest on loan	626.40	313.20	-	-	-
<b>76</b>	<b>PFC-V-T-1-D-36</b>					
	Gross Drawl opening	27,500.00	27,500.00	27,500.00	27,500.00	27,500.00
	Cumulative repayment of drawl till prev yr	-	-	27,500.00	27,500.00	27,500.00
	Net Loan opening	27,500.00	27,500.00	-	-	-
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	27,500.00	27,500.00	-	-	-
	Repayment of loan during the year	-	27,500.00	-	-	-
	Net loan closing	27,500.00	-	-	-	-
	Average net loan	27,500.00	13,750.00	-	-	-
	Rate of interest on loan	8.3000%	8.3000%	8.3000%	8.3000%	8.3000%
	Interest on loan	2,282.50	1,141.25	-	-	-
<b>77</b>	<b>PFC-V-T-1-D-37</b>					
	Gross Drawl opening	8,000.00	8,000.00	8,000.00	8,000.00	8,000.00
	Cumulative repayment of drawl till prev yr	-	-	8,000.00	8,000.00	8,000.00
	Net Loan opening	8,000.00	8,000.00	-	-	-

Name of the Company : NTPC Ltd		Name of the Generating Station : Barh STPS Stage - II ( 2X660 MW)					FORM-13
		Rs. in lakh					
S.No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24	
	Increase decrease due to FERV						
	Increase decrease due to ACE						
	Total	8,000.00	8,000.00	-	-	-	
	Repayment of loan during the year	-	8,000.00	-	-	-	
	Net loan closing	8,000.00	-	-	-	-	
	Average net loan	8,000.00	4,000.00	-	-	-	
	Rate of interest on loan	8.2500%	8.2500%	8.2500%	8.2500%	8.2500%	
	Interest on loan	660.00	330.00	-	-	-	
<b>78</b>	<b>PFC-V-T-1-D-38</b>						
	Gross Drawl opening	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	
	Cummulative repayment of drawl till prev yr	-	-	2,000.00	2,000.00	2,000.00	
	Net Loan opening	2,000.00	2,000.00	-	-	-	
	Increase decrease due to FERV						
	Increase decrease due to ACE						
	Total	2,000.00	2,000.00	-	-	-	
	Repayment of loan during the year	-	2,000.00	-	-	-	
	Net loan closing	2,000.00	-	-	-	-	
	Average net loan	2,000.00	1,000.00	-	-	-	
	Rate of interest on loan	8.2300%	8.2300%	8.2300%	8.2300%	8.2300%	
	Interest on loan	164.60	82.30	-	-	-	
<b>79</b>	<b>Allahabad Bank -IV D1</b>						
	Gross Drawl opening	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	
	Cummulative repayment of drawl till prev yr	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	
	Net Loan opening	-	-	-	-	-	
	Increase decrease due to FERV						
	Increase decrease due to ACE						
	Total	-	-	-	-	-	
	Repayment of loan during the year	-	-	-	-	-	
	Net loan closing	-	-	-	-	-	
	Average net loan	-	-	-	-	-	
	Rate of interest on loan	9.5500%	9.5500%	9.5500%	9.5500%	9.5500%	
	Interest on loan	-	-	-	-	-	
<b>80</b>	<b>State Bank of India-VIII D-4</b>						
	Gross Drawl opening	2,300.00	2,300.00	2,300.00	2,300.00	2,300.00	
	Cummulative repayment of drawl till prev yr	-	-	-	255.56	511.11	
	Net Loan opening	2,300.00	2,300.00	2,300.00	2,044.44	1,788.89	
	Increase decrease due to FERV						
	Increase decrease due to ACE						
	Total	2,300.00	2,300.00	2,300.00	2,044.44	1,788.89	
	Repayment of loan during the year	-	-	255.56	255.56	255.56	
	Net loan closing	2,300.00	2,300.00	2,044.44	1,788.89	1,533.33	
	Average net loan	2,300.00	2,300.00	2,172.22	1,916.67	1,661.11	
	Rate of interest on loan	7.9342%	6.8960%	6.6500%	6.6500%	6.6500%	
	Interest on loan	182.49	157.69	144.45	127.46	110.46	
<b>81</b>	<b>State Bank of India-VIII D-8</b>						
	Gross Drawl opening	2,200.00	2,200.00	2,200.00	2,200.00	2,200.00	
	Cummulative repayment of drawl till prev yr	-	-	-	244.44	488.89	
	Net Loan opening	2,200.00	2,200.00	2,200.00	1,955.56	1,711.11	
	Increase decrease due to FERV						
	Increase decrease due to ACE						
	Total	2,200.00	2,200.00	2,200.00	1,955.56	1,711.11	
	Repayment of loan during the year	-	-	244.44	244.44	244.44	
	Net loan closing	2,200.00	2,200.00	1,955.56	1,711.11	1,466.67	
	Average net loan	2,200.00	2,200.00	2,077.78	1,833.33	1,588.89	
	Rate of interest on loan	7.9342%	6.8960%	6.6500%	6.6500%	6.6500%	
	Interest on loan	174.55	150.83	136.17	121.62	105.66	
<b>82</b>	<b>State Bank of India-VIII D-13</b>						

Name of the Company : NTPC Ltd

Name of the Generating Station : Barh STPS Stage - II ( 2X660 MW)

FORM-13

Rs. in lakh

S.No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
	Gross Drawl opening	1,800.00	1,800.00	1,800.00	1,800.00	1,800.00
	Cummulative repayment of drawl till prev yr	-	-	-	200.00	400.00
	Net Loan opening	1,800.00	1,800.00	1,800.00	1,600.00	1,400.00
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	1,800.00	1,800.00	1,800.00	1,800.00	1,400.00
	Repayment of loan during the year	-	-	200.00	200.00	200.00
	Net loan closing	1,800.00	1,800.00	1,600.00	1,400.00	1,200.00
	Average net loan	1,800.00	1,800.00	1,700.00	1,500.00	1,300.00
	Rate of interest on loan	7.0342%	6.8560%	6.6500%	6.6500%	6.6500%
	Interest on loan	142.81	123.41	113.05	99.75	86.45
<b>83</b>	<b>State Bank of India-VIII D-15</b>					
	Gross Drawl opening	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00
	Cummulative repayment of drawl till prev yr	-	-	-	166.67	333.33
	Net Loan opening	1,500.00	1,500.00	1,500.00	1,333.33	1,166.67
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	1,500.00	1,500.00	1,500.00	1,333.33	1,166.67
	Repayment of loan during the year	-	-	166.67	166.67	166.67
	Net loan closing	1,500.00	1,500.00	1,333.33	1,166.67	1,000.00
	Average net loan	1,500.00	1,500.00	1,416.67	1,250.00	1,083.33
	Rate of interest on loan	7.9342%	6.8560%	6.6500%	6.6500%	6.6500%
	Interest on loan	119.01	102.84	94.21	83.13	72.04
<b>84</b>	<b>HDFC Bank Ltd.-III</b>					
	Gross Drawl opening	5,700.00	5,700.00	5,700.00	5,700.00	5,700.00
	Cummulative repayment of drawl till prev yr	-	-	-	633.33	1,266.67
	Net Loan opening	5,700.00	5,700.00	5,700.00	5,066.67	4,433.33
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	5,700.00	5,700.00	5,700.00	5,066.67	4,433.33
	Repayment of loan during the year	-	-	633.33	633.33	633.33
	Net loan closing	5,700.00	5,700.00	5,066.67	4,433.33	3,800.00
	Average net loan	5,700.00	5,700.00	5,363.33	4,750.00	4,116.67
	Rate of interest on loan	8.0584%	6.3862%	5.9500%	5.9500%	5.9500%
	Interest on loan	459.39	364.70	320.31	282.63	244.94
<b>85</b>	<b>State Bank of India-VIII D-21</b>					
	Gross Drawl opening	800.00	800.00	800.00	800.00	800.00
	Cummulative repayment of drawl till prev yr	-	-	-	88.89	177.78
	Net Loan opening	800.00	800.00	800.00	711.11	622.22
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	800.00	800.00	800.00	711.11	622.22
	Repayment of loan during the year	-	-	88.89	88.89	88.89
	Net loan closing	800.00	800.00	711.11	622.22	533.33
	Average net loan	800.00	800.00	755.56	686.67	577.78
	Rate of interest on loan	8.0584%	6.3862%	5.9500%	5.9500%	5.9500%
	Interest on loan	64.48	51.15	44.96	39.67	34.38
<b>86</b>	<b>ICICI-IV D5</b>					
	Gross Drawl opening	800.00	800.00	800.00	800.00	800.00
	Cummulative repayment of drawl till prev yr	-	-	-	-	-
	Net Loan opening	800.00	800.00	800.00	800.00	800.00
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	800.00	800.00	800.00	800.00	800.00
	Repayment of loan during the year	-	-	-	-	-
	Net loan closing	800.00	800.00	800.00	800.00	800.00
	Average net loan	800.00	800.00	800.00	800.00	800.00
	Rate of interest on loan	8.3097%	8.3097%	8.3097%	8.3097%	8.3097%

Repaid on 01/01/18

Name of the Company : NTPC Ltd						
Name of the Generating Station : Barh STPS Stage - II ( 2X660 MW)		FORM-13				
S.No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
		Rs. in lakh				
	Interest on loan	-	-	-	-	-
<b>87</b>	<b>Jammu &amp; Kashmir Bank-IV D2</b>					
	Gross Drawl opening	3,000.00	3,000.00	3,000.00	3,000.00	3,000.00
	Cummulative repayment of drawl till prev yr	-	-	333.33	686.67	1,000.00
	Net Loan opening	3,000.00	3,000.00	2,666.67	2,333.33	2,000.00
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	3,000.00	3,000.00	2,666.67	2,333.33	2,000.00
	Repayment of loan during the year	-	333.33	333.33	333.33	333.33
	Net loan closing	3,000.00	2,666.67	2,333.33	2,000.00	1,666.67
	Average net loan	3,000.00	2,833.33	2,500.00	2,166.67	1,833.33
	Rate of interest on loan	7.9880%	6.8804%	5.8600%	5.8600%	5.8600%
	Interest on loan	239.84	189.28	147.00	127.40	107.83
<b>88</b>	<b>SBI-IX D4</b>					
	Gross Drawl opening	500.00	500.00	500.00	500.00	500.00
	Cummulative repayment of drawl till prev yr	-	-	55.56	111.11	166.67
	Net Loan opening	500.00	500.00	444.44	388.89	333.33
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	500.00	500.00	444.44	388.89	333.33
	Repayment of loan during the year	-	55.56	55.56	55.56	55.56
	Net loan closing	500.00	444.44	388.89	333.33	277.78
	Average net loan	500.00	472.22	418.67	361.11	305.56
	Rate of interest on loan	7.8342%	6.8860%	6.6500%	6.6500%	6.6500%
	Interest on loan	39.67	32.38	27.71	24.01	20.32
<b>89</b>	<b>ICICI-VI D1</b>					
	Gross Drawl opening	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
	Cummulative repayment of drawl till prev yr	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
	Net Loan opening	-	-	-	-	-
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	-	-	-	-	-
	Repayment of loan during the year	-	-	-	-	-
	Net loan closing	-	-	-	-	-
	Average net loan	-	-	-	-	-
	Rate of interest on loan	8.2949%	8.2949%	8.2949%	8.2949%	8.2949%
	Interest on loan	-	-	-	-	-
<b>90</b>	<b>SBI-X D-2</b>					
	Gross Drawl opening	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00
	Cummulative repayment of drawl till prev yr	-	-	-	-	-
	Net Loan opening	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00
	Repayment of loan during the year	-	-	-	-	-
	Net loan closing	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00
	Average net loan	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00
	Rate of interest on loan	7.9743%	6.8732%	6.6500%	6.6500%	6.6500%
	Interest on loan	119.61	103.10	98.75	98.75	98.75
<b>91</b>	<b>SBI-X D-4</b>					
	Gross Drawl opening	500.00	500.00	500.00	500.00	500.00
	Cummulative repayment of drawl till prev yr	-	-	-	-	-
	Net Loan opening	500.00	500.00	500.00	500.00	500.00
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	500.00	500.00	500.00	500.00	500.00
	Repayment of loan during the year	-	-	-	-	-

Prepaid on 15/01/2019

Name of the Company : NTPC Ltd		FORM-13				
Name of the Generating Station : Barh STPS Stage - II ( 2X660 MW)						
		Rs. in lakh				
S.No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
	Net loan closing	500.00	500.00	500.00	500.00	500.00
	Average net loan	500.00	500.00	500.00	500.00	500.00
	Rate of interest on loan	7.9743%	8.8732%	6.8500%	6.6500%	6.8500%
	Interest on loan	39.87	34.37	33.25	33.25	33.25
<b>92</b>	<b>HDFC Bank Ltd-V D3</b>					
	Gross Drawl opening	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
	Cummulative repayment of drawl till prev yr	-	-	-	-	-
	Net Loan opening	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
	Repayment of loan during the year	-	-	-	-	-
	Net loan closing	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
	Average net loan	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
	Rate of interest on loan	8.0588%	8.3962%	5.9500%	5.9500%	5.9500%
	Interest on loan	80.58	83.58	59.50	59.50	59.50
<b>93</b>	<b>Punjab National Bank-IV D1</b>					
	Gross Drawl opening	800.00	800.00	800.00	800.00	800.00
	Cummulative repayment of drawl till prev yr	-	-	-	-	88.89
	Net Loan opening	800.00	800.00	800.00	800.00	711.11
	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	800.00	800.00	800.00	800.00	711.11
	Repayment of loan during the year	-	-	-	88.89	88.89
	Net loan closing	800.00	800.00	800.00	711.11	822.22
	Average net loan	800.00	800.00	800.00	755.56	806.67
	Rate of interest on loan	8.0102%	8.8567%	5.9800%	5.9800%	5.9800%
	Interest on loan	64.08	54.85	47.92	45.25	39.93
<b>94</b>	<b>Bank Of India-IV T1 D1</b>					
	Gross Drawl opening			8,800.00	8,800.00	8,800.00
	Cummulative repayment of drawl till prev yr			-	-	-
	Net Loan opening			8,800.00	8,800.00	8,800.00
	Increase decrease due to FERV					
	Increase decrease due to ACE		8,800.00			
	Total		8,800.00	8,800.00	8,800.00	8,800.00
	Repayment of loan during the year					
	Net loan closing		8,800.00	8,800.00	8,800.00	8,800.00
	Average net loan		4,400.00	8,800.00	8,800.00	8,800.00
	Rate of interest on loan		6.3500%	6.3500%	6.3500%	6.3500%
	Interest on loan		278.40	568.80	568.80	558.80
<b>95</b>	<b>HDFC Bank Ltd. IX D4</b>					
	Gross Drawl opening			25,431.57	25,431.57	25,431.57
	Cummulative repayment of drawl till prev yr			-	-	-
	Net Loan opening			25,431.57	25,431.57	25,431.57
	Increase decrease due to FERV					
	Increase decrease due to ACE		25,431.57			
	Total		25,431.57	25,431.57	25,431.57	25,431.57
	Repayment of loan during the year					
	Net loan closing		25,431.57	25,431.57	25,431.57	25,431.57
	Average net loan		12,715.79	25,431.57	25,431.57	25,431.57
	Rate of interest on loan		6.5203%	6.3950%	6.3950%	6.3950%
	Interest on loan		841.82	1,626.35	1,626.35	1,626.35
	<b>Total Loan-Cummulative</b>					
	Gross Drawl opening	7,80,297	7,81,697	8,78,428	8,78,428	9,78,428
	Cummulative repayment of drawl till prev yr	3,68,154	4,08,165	5,22,463	6,07,991	6,55,450
	Net Loan opening	4,14,143	3,72,531	3,55,965	2,70,437	2,22,979
	Increase decrease due to FERV					

Name of the Company : NTPC Ltd							FORM-13
Name of the Generating Station : Barh STPS Stage - II ( 2X660 MW)							
S.No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24	Rs. in lakh
	Increase (decrease due to ACE)	1,400	66,732	-	-	-	
	Total	4,83,119	5,38,839	4,23,541	3,38,013	2,83,048	
	Repayment of loan during the year	43,011	1,13,298	85,528	47,459	42,305	
	Net loan closing	3,72,531	3,55,965	2,70,437	2,22,979	1,90,673	
	Average net loan	4,60,913	4,31,824	3,80,777	3,10,530	2,58,130	
	Rate of interest on loan(%)	6.4048	6.9471	5.6378	6.4695	6.3385	
	Interest on loan	29,521	25,681	21,467	15,952	13,781	

*Vitendra*

Name of the Company : NTPC Ltd

Name of the Generating Station : Barh STPS Stage - II ( 2X660 MW)

INTEREST RATE MOVEMENT FY 2019-22

S.NO	BP No.	BANK	RATE OF INTEREST	From	To	No. of Days		Effective ROI				
								19-20	20-21	21-22	22-23	23-24
1	5050000202	Axis Bank	8.450%	01-Apr-19	21-Apr-19	21	1.7745					
			8.350%	22-Apr-19	21-Jun-19	61	5.0935					
			8.300%	22-Jun-19	21-Jul-19	30	2.49					
			8.250%	22-Jul-19	21-Aug-19	31	2.5575					
			8.200%	22-Aug-19	21-Sep-19	31	2.542					
			8.100%	22-Sep-19	21-Oct-19	30	2.43					
			8.000%	22-Oct-19	21-Nov-19	31	2.48					
			7.900%	22-Nov-19	21-Dec-19	30	2.37					
			7.800%	22-Dec-19	21-Mar-20	91	7.098					
			7.750%	22-Mar-20	31-Mar-20	10	0.775	8.0903%				
			7.750%	01-Apr-20	21-Apr-20	21	1.8275					
			7.600%	22-Apr-20	21-May-20	30	2.28					
			7.5500%	22-May-20	29-Jun-20	39	2.9445		7.6133%			
			2	5050000762	AXIS Bank-II	8.3000%	11-Jul-19	10-Aug-19	31	2.573		
8.2500%	11-Aug-19	10-Sep-19				31	2.5575					
8.2000%	11-Sep-19	10-Oct-19				30	2.46					
8.1000%	11-Oct-19	10-Nov-19				31	2.511					
8.0000%	11-Nov-19	10-Dec-19				30	2.4					
7.9000%	11-Dec-19	10-Jan-20				31	2.449					
7.8000%	11-Jan-20	29-Jan-20				19	1.482					
7.6000%	30-Jan-20	25-Feb-20				27	2.052					
7.4500%	26-Feb-20	31-Mar-20				35	2.6075	7.9592%				
7.4500%	01-Apr-20	25-Apr-20				25	1.8625					
6.700%	26-Apr-20	25-May-20				30	2.01					
6.300%	26-May-20	31-Mar-21				310	19.53		6.4116%			
6.300%	01-Apr-21	31-Mar-22				365	22.995			6.3000%	6.3000%	6.3000%
3	5050001001	Axis Bank-III				6.300%	24-Aug-20	31-Mar-22	585	36.855		6.3000%
4	5050001161	AXIS Bank-II A	5.80%	23-11-2021	31-Mar-22	129	7.482		5.8000%	5.8000%	5.8000%	
5	5050000361	Bank of India-II	8.300%	01-Apr-19	19-Jun-19	80	6.64					
			8.350%	20-Jun-19	19-Aug-19	61	5.0935					
			8.200%	20-Aug-19	08-Dec-19	111	9.102					
			7.950%	09-Dec-19	09-Dec-19	1	0.0795					
			7.750%	10-Dec-19	09-Feb-20	62	4.805					
			7.650%	10-Feb-20	09-Mar-20	29	2.2185					
			7.400%	10-Mar-20	31-Mar-20	22	1.628	8.0783%				
			7.250%	01-Apr-20	31-May-20	61	4.4225					
			7.000%	01-Jun-20	30-Jun-20	30	2.1					
			6.900%	01-Jul-20	31-Jul-20	31	2.139					
			6.800%	01-Aug-20	31-Aug-20	31	2.108					
			6.750%	01-Sep-20	30-Sep-20	30	2.025					

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*Vishnu*



			6.700%	01-Oct-20	06-Dec-20	67	4.489					
			6.700%	07-Dec-20	31-Mar-21	115	7.705					
6	5050000965	Bank Of India-III							6.8462%	6.7000%	6.7000%	6.7000%
			7.000%	18-Jun-20	30-Jun-20	13	0.91					
			6.900%	01-Jul-20	31-Jul-20	31	2.139					
			6.800%	01-Aug-20	31-Aug-20	31	2.108					
			6.750%	01-Sep-20	30-Sep-20	30	2.025					
			6.700%	01-Oct-20	06-Dec-20	67	4.489		6.7855%			
7	5050001041	Bank Of India-IV	6.000%	07-Dec-20	31-Mar-22	480	28.8					
8	5050001081	Bank Of India-V	6.00%	04-Jan-21	31-Mar-22	452	27.12		6.0000%	6.0000%	6.0000%	6.0000%
9	5050001121	Bank of India-V-A	5.65%	04-Jan-21	31-Mar-22	452	25.538		6.0000%	6.0000%	6.0000%	6.0000%
10	5050000154	Canara Bank-II	8.450%	01-Apr-19	28-Jun-19	89	7.5205	8.4500%		5.6500%	5.6500%	5.6500%
11	5050000351	Canara Bank-III	8.450%	01-Apr-19	22-Jul-19	113	9.5485					
			8.400%	23-Jul-19	22-Aug-19	31	2.604					
			8.300%	23-Aug-19	22-Sep-19	31	2.573					
			8.200%	23-Sep-19	22-Nov-19	61	5.002					
			8.150%	23-Nov-19	22-Dec-19	30	2.445					
			7.900%	23-Dec-19	22-Feb-20	62	4.898					
			7.650%	23-Feb-20	31-Mar-20	38	2.907	8.1906%				
			7.650%	01-Apr-20	22-Apr-20	22	1.683					
			7.500%	23-Apr-20	22-Jun-20	61	4.575					
			7.300%	23-Jun-20	22-Jul-20	30	2.19					
			7.200%	23-Jul-20	22-Aug-20	31	2.232					
			7.000%	23-Aug-20	31-Mar-21	221	15.47					
12	5050000142	Central Bank of India-IV	8.2500%	01-Apr-19	30-Apr-19	30	2.475		7.1644%	7.0000%	7.0000%	7.0000%
			8.2000%	01-May-19	28-Jun-19	59	4.838	8.2169%				
13	5050000362	Central Bank of India-V	8.2500%	01-Apr-19	30-Apr-19	30	2.475					
			8.2000%	01-May-19	30-Jun-19	61	5.002					
			8.1500%	01-Jul-19	31-Aug-19	62	5.053					
			7.9500%	01-Sep-19	30-Sep-19	30	2.385					
			7.9000%	01-Oct-19	31-Oct-19	31	2.449					
			7.8500%	01-Nov-19	31-Dec-19	61	4.7885					
			7.8000%	01-Jan-20	31-Jan-20	31	2.418					
			7.5500%	01-Feb-20	29-Feb-20	29	2.1895					
			7.5000%	01-Mar-20	31-Mar-20	31	2.325	7.9487%				
			7.450%	01-Apr-20	30-Apr-20	30	2.235					
			7.050%	01-May-20	31-May-20	31	2.1855					
			7.000%	01-Jun-20	30-Jun-20	30	2.1					
			6.750%	01-Jul-20	31-Jul-20	31	2.0925					
			6.650%	01-Aug-20	31-Aug-20	31	2.0615					
			6.600%	01-Sep-20	30-Sep-20	30	1.98					
			6.550%	01-Oct-20	31-Mar-21	182	11.921					
			6.550%	01-Apr-21	31-Mar-22	365	23.9075		6.7330%			
14	5050000331	Corporation Bank-III	8.200%	01-04-2019	24-09-2019	177	14.514			6.5500%	6.5500%	6.5500%

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*Vitendra*

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			8.050%	25-09-2019	24-10-2019	30	2.415						
			8.000%	25-10-2019	24-12-2019	61	4.88						
			7.850%	25-12-2019	24-01-2020	31	2.4335						
			7.750%	25-01-2020	24-02-2020	31	2.4025						
			7.600%	25-02-2020	24-04-2020	60	4.56						
			7.350%	25-Apr-20	24-May-20	30	2.205						
			7.250%	25-May-20	24-Jun-20	31	2.2475						
			7.150%	25-Jun-20	24-Jul-20	30	2.145						
			6.950%	25-Jul-20	24-Aug-20	31	2.1545						
			6.800%	25-Aug-20	24-Sep-20	31	2.108						
			6.750%	25-Sep-20	30-Nov-20	67	4.5225						
			6.000%	01-Dec-20	31-Mar-22	486	29.16						
15	5050000721	Corporation Bank-IV	8.2500%	01-Apr-19	10-Apr-19	10	0.825						
			8.2000%	11-Apr-19	10-Oct-19	183	15.006						
			8.0500%	11-Oct-19	10-Nov-19	31	2.4955						
			8.0000%	11-Nov-19	10-Jan-20	61	4.88						
			7.8500%	11-Jan-20	10-Feb-20	31	2.4335						
			7.7500%	11-Feb-20	10-Mar-20	29	2.2475						
			7.6000%	11-Mar-20	31-Mar-20	21	1.596	8.0556%					
			7.6000%	01-Apr-20	10-Apr-20	10	0.76						
			7.350%	11-Apr-20	10-May-20	30	2.205						
			7.250%	11-May-20	10-Jun-20	31	2.2475						
			7.150%	11-Jun-20	10-Jul-20	30	2.145						
			6.950%	11-Jul-20	10-Aug-20	31	2.1545						
			6.800%	11-Aug-20	10-Sep-20	31	2.108						
			6.750%	11-Sep-20	30-Nov-20	81	5.4675						
			6.000%	01-Dec-20	31-Mar-21	121	7.26	6.6705%					
			6.000%	01-Apr-21	31-Mar-22	365	21.9			6.0000%	6.0000%	6.0000%	
16	5050000231	HDFC Bank Limited-II	8.450%	01-Apr-19	30-Jun-19	91	7.6895						
			8.400%	01-Jul-19	28-Jul-19	28	2.352						
			8.300%	29-Jul-19	28-Aug-19	31	2.573						
			8.200%	29-Aug-19	28-Sep-19	31	2.542						
			8.100%	29-Sep-19	28-Oct-19	30	2.43						
			8.000%	29-Oct-19	30-Nov-19	33	2.64						
			7.650%	01-Dec-19	29-Feb-20	91	6.9615						
			7.450%	01-Mar-20	31-Mar-20	31	2.3095	8.0594%					
			7.450%	01-Apr-20	31-May-20	61	4.5445						
			6.300%	01-Jun-20	23-Dec-20	206	12.978						
			5.950%	24-Dec-20	31-Mar-21	98	5.831	6.3982%					
			5.950%	01-Apr-21	31-Mar-22	365	21.7175			5.9500%	5.9500%	5.9500%	
17	5050000421	HDFC Bank Limited-III	8.450%	01-Apr-19	30-Jun-19	91	7.6895						
			8.400%	01-Jul-19	28-Jul-19	28	2.352						
			8.300%	29-Jul-19	28-Aug-19	31	2.573						
			8.200%	29-Aug-19	28-Sep-19	31	2.542						
			8.100%	29-Sep-19	28-Oct-19	30	2.43						
			8.000%	29-Oct-19	30-Nov-19	33	2.64						
			7.650%	01-Dec-19	29-Feb-20	91	6.9615						
			7.450%	01-Mar-20	31-Mar-20	31	2.3095	8.0594%					
			7.450%	01-Apr-20	31-May-20	61	4.5445						
			6.300%	01-Jun-20	23-Dec-20	206	12.978						
			5.950%	24-Dec-20	31-Mar-21	98	5.831	6.3982%					

Vikram

			5.950%	01-Apr-21	31-Mar-22	365	21.7175			5.9500%	5.9500%	5.9500%
18	5050000521	HDFC Bank Limited-IV	8.450%	01-Apr-19	16-Apr-19	16	1.352					
			8.400%	17-Apr-19	28-Jul-19	103	8.652					
			8.300%	29-Jul-19	28-Aug-19	31	2.573					
			8.200%	29-Aug-19	28-Sep-19	31	2.542					
			8.100%	29-Sep-19	28-Oct-19	30	2.43					
			8.000%	29-Oct-19	30-Nov-19	33	2.64					
			7.650%	01-Dec-19	29-Feb-20	91	6.9615					
			7.450%	01-Mar-20	31-May-20	92	6.854					
			6.300%	01-Jun-20	23-Dec-20	206	12.978					
			5.950%	24-Dec-20	31-Mar-22	463	27.5485					
19	5050000561	HDFC Bank Limited-V	8.450%	01-Apr-19	24-Jun-19	85	7.1825					
			8.400%	25-Jun-19	28-Jul-19	34	2.856					
			8.300%	29-Jul-19	28-Aug-19	31	2.573					
			8.200%	29-Aug-19	28-Sep-19	31	2.542					
			8.100%	29-Sep-19	28-Oct-19	30	2.43					
			8.000%	29-Oct-19	30-Nov-19	33	2.64					
			7.650%	01-Dec-19	29-Feb-20	91	6.9615					
			7.450%	01-Mar-20	31-Mar-20	31	2.3095	8.0586%				
			7.450%	01-Apr-20	31-May-20	61	4.5445					
			6.300%	01-Jun-20	23-Dec-20	206	12.978					
			5.950%	24-Dec-20	31-Mar-21	98	5.831		6.3982%			
			5.950%	01-Apr-21	31-Mar-22	365	21.7175					
20	5050000641	HDFC Bank Ltd. VI	8.450%	01-Apr-19	25-Jun-19	86	7.267			5.9500%	5.9500%	5.9500%
			8.400%	26-Jun-19	28-Jul-19	33	2.772					
			8.300%	29-Jul-19	28-Aug-19	31	2.573					
			8.200%	29-Aug-19	28-Sep-19	31	2.542					
			8.100%	29-Sep-19	28-Oct-19	30	2.43					
			8.000%	29-Oct-19	30-Nov-19	33	2.64					
			7.650%	01-Dec-19	29-Feb-20	91	6.9615					
			7.450%	01-Mar-20	31-May-20	92	6.854					
			6.300%	01-Jun-20	23-Dec-20	206	12.978					
			5.950%	24-Dec-20	31-Mar-22	463	27.5485					
21	5050000791	HDFC Bank Limited-VII	8.4000%	11-Jun-19	28-Jul-19	48	4.032					
			8.3000%	29-Jul-19	28-Aug-19	31	2.573					
			8.2000%	29-Aug-19	28-Sep-19	31	2.542					
			8.1000%	29-Sep-19	28-Oct-19	30	2.43					
			8.0000%	29-Oct-19	30-Nov-19	33	2.64					
			7.6500%	01-Dec-19	29-Feb-20	91	6.9615					
			7.450%	01-Mar-20	31-Mar-20	31	2.3095	7.9620%				
			7.450%	01-Apr-20	31-May-20	61	4.5445					
			6.300%	01-Jun-20	23-Dec-20	206	12.978					
			5.950%	24-Dec-20	31-Mar-21	98	5.831		6.3982%			
			5.950%	01-Apr-21	31-Mar-22	365	21.7175					
22	5050000911	HDFC Bank Limited-VIII	7.450%	01-Mar-20	31-May-20	92	6.854			5.9500%		
			6.300%	01-Jun-20	23-Dec-20	206	12.978					
			5.950%	24-Dec-20	31-Mar-22	463	27.5485					
23	5050000981	HDFC Bank Limited-IX	6.300%	30-Jun-20	23-Dec-20	177	11.151					
			5.950%	24-Dec-20	31-Mar-21	98	5.831		6.1753%			

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Vijendra

			5.950%	01-Apr-21	31-Mar-22	365	21.7175			5.9500%	5.9500%	5.9500%
24	5050001151	HDFC-X	5.83%	24-Nov-21	31-Mar-22	128	7.4624			5.8300%		
25	5070000021	HUDCO-I	8.300%	01-Apr-19	30-Apr-19	30	2.49					
			8.200%	01-May-19	31-Jul-19	92	7.544					
			8.050%	01-Aug-19	31-Oct-19	92	7.405					
			7.900%	01-Nov-19	31-Jan-20	92	7.266					
			7.700%	01-Feb-20	31-Mar-20	60	4.62	8.0131%				
			7.700%	01-Apr-20	30-Apr-20	30	2.31					
			7.400%	01-May-20	31-Jul-20	92	6.808					
			7.000%	01-Aug-20	23-Aug-20	23	1.61					
			7.000%	24-Aug-20	31-Mar-21	220	15.4		7.1584%	7.0000%	7.0000%	7.0000%
26	5050001042	ICICI Bank-VII	6.000%	30-Dec-20	31-Mar-21	92	5.52					
			6.24%	01-04-2021	29-Jun-21	90	5.616					
			5.30%	30-Jun-21	29-Sep-21	92	5.796					
			6.35%	30-Sep-21	29-Dec-21	91	5.7785					
			6.55%	30-Dec-21	29-Mar-22	90	5.895					
			6.84%	30-Mar-22	31-Mar-22	2	0.1368					
27	5050000341	Jammu & Kashmir Bank-III	8.3000%	01-Apr-19	12-Apr-19	12	0.996					
			8.2500%	13-Apr-19	12-Jun-19	61	5.0325					
			8.2000%	13-Jun-19	12-Aug-19	61	5.002					
			8.0000%	13-Aug-19	12-Sep-19	31	2.48					
			7.9500%	13-Sep-19	12-Oct-19	30	2.385					
			7.9000%	13-Oct-19	12-Nov-19	31	2.449					
			7.8000%	13-Nov-19	12-Dec-19	30	2.34					
			7.7000%	13-Dec-19	12-Jan-20	31	2.387					
			7.6500%	13-Jan-20	12-Mar-20	60	4.59					
			7.6000%	13-Mar-20	31-Mar-20	19	1.444					
			7.600%	01-Apr-20	12-Apr-20	12	0.912					
			7.250%	13-Apr-20	12-May-20	30	2.175					
			7.200%	13-May-20	12-Jun-20	31	2.232					
			7.150%	13-Jun-20	12-Jul-20	30	2.145					
			7.000%	13-Jul-20	12-Aug-20	31	2.17					
			6.850%	13-Aug-20	26-Nov-20	106	7.261					
			5.880%	27-Nov-20	31-Mar-22	490	28.812					
28	5050000511	Jammu & Kashmir Bank-IV	8.3000%	01-Apr-19	30-Apr-19	30	2.49					
			8.2500%	01-May-19	30-Jun-19	61	5.0325					
			8.2000%	01-Jul-19	31-Aug-19	62	5.084					
			8.0000%	01-Sep-19	30-Sep-19	30	2.4					
			7.9500%	01-Oct-19	31-Oct-19	31	2.4645					
			7.9000%	01-Nov-19	30-Nov-19	30	2.37					
			7.8000%	01-Dec-19	31-Dec-19	31	2.418					
			7.7000%	01-Jan-20	31-Jan-20	31	2.387					
			7.6500%	01-Feb-20	31-Mar-20	60	4.59	7.9880%				
			7.600%	01-Apr-20	30-Apr-20	30	2.28					
			7.250%	01-May-20	31-May-20	31	2.2475					
			7.200%	01-Jun-20	30-Jun-20	30	2.16					

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Vijendra

			7.150%	01-Jul-20	31-Jul-20	31	2,2165					
			7.000%	01-Aug-20	31-Aug-20	31	2.17					
			6.850%	01-Sep-20	26-Nov-20	87	5.9595					
			5.880%	27-Nov-20	31-Mar-21	125	7.35		6.6804%			
			5.880%	01-Apr-21	31-Mar-22	365	21.462			5.8800%	5.8800%	5.8800%
29	5050000501	Karnataka Bank Ltd II	7.9600%	01-Apr-19	27-Jun-19	88	7.0048					
			7.8500%	28-Jun-19	27-Sep-19	92	7.222					
			7.1900%	28-Sep-19	27-Dec-19	91	6.5429					
			6.8300%	28-Dec-19	31-Mar-20	95	6.4885	7.4476%				
			6.100%	01-Apr-20	27-Jun-20	68	5.368					
			5.000%	28-Jun-20	27-Sep-20	92	4.6					
			5.220%	28-Sep-20	15-Nov-20	49	2.5578					
			5.220%	15-Nov-20	31-Mar-21	137	7.1514		5.3763%	5.2200%	5.2200%	5.2200%
30	5050000571	Punjab National Bank IV	8.3000%	01-Apr-19	03-May-19	33	2.739					
			8.2000%	04-May-19	03-Aug-19	92	7.544					
			8.0500%	04-Aug-19	30-Sep-19	58	4.669					
			8.0500%	01-Oct-19	03-Nov-19	34	2.737					
			7.9000%	04-Nov-19	03-Feb-20	92	7.268					
			7.6500%	04-Feb-20	31-Mar-20	57	4.3605	8.0102%				
			7.650%	01-Apr-20	03-May-20	33	2.5245					
			7.200%	04-May-20	03-Jun-20	31	2.232					
			7.050%	04-Jun-20	03-Aug-20	61	4.3005					
			6.800%	04-Aug-20	03-Nov-20	92	6.256					
			6.700%	04-Nov-20	20-Dec-20	47	3.149					
			6.500%	21-Dec-20	31-Mar-21	101	6.565		6.8567%			
			6.20%	01-Apr-21	20-Sep-21	173	10.726					
			5.80%	21-Sep-21	31-Mar-22	192	11.136			5.9896%	5.9896%	5.9896%
31	5050000711	PNB-IV	8.300%	01-Apr-19	03-May-19	33	2.739					
			8.200%	04-May-19	03-Aug-19	92	7.544					
			8.050%	04-Aug-19	30-Sep-19	58	4.669					
			8.050%	01-Oct-19	03-Nov-19	34	2.737					
			7.900%	04-Nov-19	03-Feb-20	92	7.268					
			7.650%	04-Feb-20	03-May-20	90	6.885					
			7.200%	04-May-20	03-Jun-20	31	2.232					
			7.050%	04-Jun-20	03-Aug-20	61	4.3005					
			6.800%	04-Aug-20	03-Nov-20	92	6.256					
			6.700%	04-Nov-20	20-Dec-20	47	3.149					
			6.500%	21-Dec-20	31-Mar-21	101	6.565					
			6.20%	01-Apr-21	20-Sep-21	173	10.726					
			5.80%	21-Sep-21	31-Mar-22	192	11.136					
32	5050000931	PNB-V	7.500%	27-Mar-20	31-Mar-20	5	0.375					
			7.500%	01-Apr-20	26-Apr-20	26	1.95					
			7.200%	27-Apr-20	17-May-20	21	1.512					
			7.200%	18-May-20	26-Jun-20	40	2.88					
			7.050%	27-Jun-20	26-Aug-20	61	4.3005					
			6.800%	27-Aug-20	26-Nov-20	92	6.256					
			6.700%	27-Nov-20	20-Dec-20	24	1.608					
			6.000%	21-Dec-20	31-Mar-21	101	6.06					

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			5.70%	01-Apr-21	20-Sep-21	173	9.861						
			5.80%	21-Sep-21	31-Mar-22	192	11.136						
33	5050000153	Indian Bank-II	8.2500%	01-Apr-19	25-Jun-19	89	7.3425						
34	5050000312	Indian Bank-III	8.2500%	01-Apr-19	19-Jul-19	110	9.075						
			8.3000%	20-Jul-19	19-Sep-19	62	5.146						
			8.1500%	20-Sep-19	19-Oct-19	30	2.445						
			8.0500%	20-Oct-19	01-Dec-19	43	3.4615						
35	5050000382	State Bank of Bikaner & Jaipur	8.2500%	01-Apr-19	13-May-19	43	3.5475						
			8.1500%	14-May-19	13-Aug-19	92	7.498						
			7.9500%	14-Aug-19	13-Nov-19	92	7.314						
			7.7000%	14-Nov-19	13-Feb-20	92	7.084						
			7.6500%	14-Feb-20	13-May-20	90	6.885						
			7.000%	14-May-20	13-Aug-20	92	6.44						
			6.650%	14-Aug-20	31-Mar-22	595	39.5675						
36	5050000261	State Bank of India - VII	8.2500%	01-Apr-19	13-May-19	43	3.5475						
			8.1500%	14-May-19	13-Aug-19	92	7.498						
			7.9500%	14-Aug-19	13-Nov-19	92	7.314						
			7.7000%	14-Nov-19	13-Feb-20	92	7.084						
			7.6500%	14-Feb-20	31-Mar-20	47	3.5955	7.9342%					
			7.6500%	01-Apr-20	13-May-20	43	3.2895						
			7.000%	14-May-20	13-Aug-20	92	6.44						
			6.650%	14-Aug-20	31-Mar-21	230	15.295		6.9468%				
			6.650%	01-Apr-21	31-Mar-22	365	24.2725			6.6500%	6.6500%	6.6500%	
37	5050000442	State Bank of India - VIII	8.2500%	01-Apr-19	13-May-19	43	3.5475						
			8.1500%	14-May-19	13-Aug-19	92	7.498						
			7.9500%	14-Aug-19	13-Nov-19	92	7.314						
			7.7000%	14-Nov-19	13-Feb-20	92	7.084						
			7.6500%	14-Feb-20	31-Mar-20	47	3.5955	7.9342%					
			7.6500%	01-Apr-20	13-May-20	43	3.2895						
			7.000%	14-May-20	13-Aug-20	92	6.44						
			6.650%	14-Aug-20	31-Mar-21	230	15.295		6.8560%				
			6.650%	01-Apr-21	31-Mar-22	365	24.2725			6.6500%	6.6500%	6.6500%	
38	5050000531	State Bank of India - IX	8.2500%	01-Apr-19	13-May-19	43	3.5475						
			8.1500%	14-May-19	13-Aug-19	92	7.498						
			7.9500%	14-Aug-19	13-Nov-19	92	7.314						
			7.7000%	14-Nov-19	13-Feb-20	92	7.084						
			7.6500%	14-Feb-20	31-Mar-20	47	3.5955	7.9342%					
			7.6500%	01-Apr-20	13-May-20	43	3.2895						
			7.000%	14-May-20	13-Aug-20	92	6.44						
			6.650%	14-Aug-20	31-Mar-21	230	15.295		6.8560%				
			6.650%	01-Apr-21	31-Mar-22	365	24.2725			6.6500%	6.6500%	6.6500%	
39	5050000551	State Bank of India - X	8.2500%	01-Apr-19	24-Jun-19	85	7.0125						
			8.1500%	25-Jun-19	24-Sep-19	92	7.498						
			7.8500%	25-Sep-19	24-Dec-19	91	7.1435						
			7.7000%	25-Dec-19	24-Mar-20	91	7.007						
			7.5000%	25-Mar-20	31-Mar-20	7	0.525	7.9743%					
			7.5000%	01-Apr-20	24-Jun-20	85	6.375						
			6.750%	25-Jun-20	24-Sep-20	92	6.21						

			6.650%	25-Sep-20	31-Mar-21	188	12.502					
			6.650%	01-Apr-21	31-Mar-22	365	24.2725		6.8732%			
40	5050000661	State Bank of India - XI	8.3500%	01-Apr-19	10-Apr-19	10	0.835			6.6500%	6.6500%	6.6500%
			8.3000%	11-Apr-19	10-Jul-19	91	7.553					
			8.2000%	11-Jul-19	10-Oct-19	92	7.544					
			7.8500%	11-Oct-19	10-Jan-20	92	7.222					
			7.7500%	11-Jan-20	31-Jan-20	21	1.6275					
			7.7000%	01-Feb-20	10-Apr-20	70	5.39					
			7.150%	11-Apr-20	10-Jul-20	91	6.5065					
			6.650%	11-Jul-20	31-Mar-22	629	41.8285					
41	5050000741	State Bank of India - XII	8.3500%	01-Apr-19	10-May-19	40	3.34					
			8.2500%	11-May-19	10-Aug-19	92	7.59					
			8.0500%	11-Aug-19	10-Nov-19	92	7.406					
			7.8000%	11-Nov-19	10-Jan-20	61	4.758					
			7.7500%	11-Jan-20	31-Jan-20	21	1.6275					
			7.7000%	01-Feb-20	10-Apr-20	70	5.39					
			7.150%	11-Apr-20	10-Jul-20	91	6.5065					
			6.650%	11-Jul-20	31-Mar-22	629	41.8285					
42	5050000861	SBI-XIII	7.4500%	24-Mar-20	23-Apr-20	31	2.3095					
			7.100%	24-Apr-20	23-May-20	30	2.13					
			6.950%	24-May-20	23-Jun-20	31	2.1545					
			6.700%	24-Jun-20	23-Jul-20	30	2.01					
			6.650%	24-Jul-20	31-Mar-22	616	40.964					
43	5050001221	SBI-XIV - Bongaigaon	5.83%	03-Sep-21	31-Mar-22	210	12.243					
44	5050000192	Syndicate Bank-II	8.4500%	01-Apr-19	16-Jun-19	77	6.5065					
			8.5000%	17-Jun-19	05-Aug-19	50	4.25					
			8.2500%	06-Aug-19	05-Sep-19	31	2.5575					
			8.0000%	06-Sep-19	05-Jan-20	122	9.76					
			7.8000%	06-Jan-20	05-Feb-20	31	2.418					
			7.6000%	06-Feb-20	05-Mar-20	29	2.204					
			7.5500%	06-Mar-20	05-Apr-20	31	2.3405					
			7.650%	06-Apr-20	05-May-20	30	2.295					
			7.500%	06-May-20	29-Jun-20	55	4.125					
45	5050000311	Syndicate Bank-III	8.4500%	01-Apr-19	16-Jun-19	77	6.5065					
			8.5000%	17-Jun-19	05-Aug-19	50	4.25					
			8.2500%	06-Aug-19	05-Sep-19	31	2.5575					
			8.0000%	06-Sep-19	05-Jan-20	122	9.76					
			7.8000%	06-Jan-20	05-Feb-20	31	2.418					
			7.8000%	06-Feb-20	05-Mar-20	29	2.204					
			7.5500%	06-Mar-20	31-Mar-20	26	1.963	8.1036%				
			7.5500%	01-Apr-20	05-Apr-20	5	0.3775					
			7.650%	06-Apr-20	05-May-20	30	2.295					
			7.500%	06-May-20	05-Jul-20	61	4.575					
			7.300%	06-Jul-20	05-Aug-20	31	2.263					
			7.200%	06-Aug-20	23-Aug-20	18	1.296					
			7.200%	24-Aug-20	31-Mar-21	220	15.84					
46	5050000422	Syndicate Bank-IV	8.4500%	01-Apr-19	16-Jun-19	77	6.5065		7.3004%	7.2000%	7.2000%	7.2000%

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			8.5000%	17-Jun-19	05-Aug-19	50	4.25						
			8.2500%	06-Aug-19	05-Sep-19	31	2.5575						
			8.0000%	06-Sep-19	05-Jan-20	122	9.76						
			7.8000%	06-Jan-20	05-Feb-20	31	2.418						
			7.6000%	06-Feb-20	05-Mar-20	29	2.204						
			7.5500%	06-Mar-20	05-Apr-20	31	2.3405						
			7.6500%	06-Apr-20	05-May-20	30	2.295						
			7.5000%	06-May-20	05-Jul-20	61	4.575						
			7.3000%	06-Jul-20	05-Aug-20	31	2.263						
			7.2000%	06-Aug-20	23-Aug-20	18	1.296						
47	5050000321	Union Bank-II	8.4000%	01-Apr-19	30-Jun-19	91	7.644						
			8.3500%	01-Jul-19	02-Sep-19	64	5.344						
			8.0000%	03-Sep-19	02-Nov-19	61	4.88						
			7.9000%	03-Nov-19	02-Jan-20	61	4.819						
			7.8000%	03-Jan-20	02-Feb-20	31	2.418						
			7.7000%	03-Feb-20	31-Mar-20	58	4.466	8.0795%					
			7.7000%	01-Apr-20	02-Apr-20	2	0.154						
			7.3500%	03-Apr-20	02-Jun-20	61	4.4835						
			7.2500%	03-Jun-20	02-Jul-20	30	2.175						
			7.1500%	03-Jul-20	02-Aug-20	31	2.2165						
			6.9500%	03-Aug-20	31-Aug-20	29	2.0155						
			6.8000%	01-Sep-20	30-Sep-20	30	2.04						
			6.7500%	01-Oct-20	30-Nov-20	61	4.1175						
			6.0000%	01-Dec-20	31-Mar-21	121	7.26	6.7019%					
			6.0000%	01-Apr-21	31-Mar-22	365	21.9		6.0000%	6.0000%	6.0000%	6.0000%	
48	5050000292	United Bank of India-IV	8.4000%	01-Apr-19	05-May-19	35	2.94						
			8.3500%	06-May-19	30-Jun-19	56	4.676						
			8.3000%	01-Jul-19	05-Aug-19	36	2.988						
			8.2500%	06-Aug-19	05-Sep-19	31	2.5575						
			8.1500%	06-Sep-19	29-Sep-19	24	1.956						
			8.1500%	30-Sep-19	31-Mar-20	184	14.996	8.2277%	8.1500%	8.1500%	8.1500%	8.1500%	
49	5050000211	Vijaya Bank-IV	8.4000%	01-Apr-19	12-Apr-19	12	1.008						
			8.3000%	13-Apr-19	12-May-19	30	2.49						
			8.3500%	13-May-19	12-Jul-19	61	5.0935						
			8.3000%	13-Jul-19	12-Aug-19	31	2.573						
			8.1500%	13-Aug-19	12-Sep-19	31	2.5265						
			8.1000%	13-Sep-19	12-Oct-19	30	2.43						
			8.0500%	13-Oct-19	12-Nov-19	31	2.4955						
			7.8500%	13-Nov-19	12-Dec-19	30	2.355						
			7.6500%	13-Dec-19	12-Jan-20	31	2.3715						
			7.6000%	13-Jan-20	12-Feb-20	31	2.356						
			7.5500%	13-Feb-20	31-Mar-20	48	3.624	8.0117%					
			7.5500%	01-Apr-20	12-Apr-20	12	0.906						
			7.4000%	13-Apr-20	12-May-20	30	2.22						
			7.3500%	13-May-20	12-Jun-20	31	2.2785						
			7.2000%	13-Jun-20	12-Jul-20	30	2.16						
			7.1500%	13-Jul-20	23-Aug-20	42	3.003						
			7.1500%	24-Aug-20	31-Mar-21	220	15.73	7.2048%	7.1500%	7.1500%	7.1500%	7.1500%	
50	5050000291	Vijaya Bank-V	8.4000%	01-Apr-19	12-Apr-19	12	1.008						

Vijaya



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			8.3000%	13-Apr-19	12-May-19	30	2.49					
			8.3500%	13-May-19	12-Jul-19	61	5.0935					
			8.3000%	13-Jul-19	12-Aug-19	31	2.573					
			8.1500%	13-Aug-19	12-Sep-19	31	2.5265					
			8.1000%	13-Sep-19	12-Oct-19	30	2.43					
			8.0500%	13-Oct-19	12-Nov-19	31	2.4955					
			7.8500%	13-Nov-19	12-Dec-19	30	2.355					
			7.6500%	13-Dec-19	12-Jan-20	31	2.3715					
			7.6000%	13-Jan-20	12-Feb-20	31	2.356					
			7.5500%	13-Feb-20	31-Mar-20	48	3.624	8.0117%				
			7.5500%	01-Apr-20	12-Apr-20	12	0.906					
			7.400%	13-Apr-20	12-May-20	30	2.22					
			7.350%	13-May-20	12-Jun-20	31	2.2785					
			7.200%	13-Jun-20	12-Jul-20	30	2.16					
			7.150%	13-Jul-20	23-Aug-20	42	3.003					
			7.150%	24-Aug-20	31-Mar-21	220	15.73		7.2048%	7.1500%	7.1500%	7.1500%
51	5050000381	Vijaya Bank-VI	8.4000%	01-Apr-19	12-Apr-19	12	1.008					
			8.3000%	13-Apr-19	12-May-19	30	2.49					
			8.3500%	13-May-19	12-Jul-19	61	5.0935					
			8.3000%	13-Jul-19	12-Aug-19	31	2.573					
			8.1500%	13-Aug-19	12-Sep-19	31	2.5265					
			8.1000%	13-Sep-19	12-Oct-19	30	2.43					
			8.0500%	13-Oct-19	12-Nov-19	31	2.4955					
			7.8500%	13-Nov-19	12-Dec-19	30	2.355					
			7.6500%	13-Dec-19	12-Jan-20	31	2.3715					
			7.6000%	13-Jan-20	12-Feb-20	31	2.356					
			7.5500%	13-Feb-20	12-Apr-20	60	4.53					
			7.400%	13-Apr-20	12-May-20	30	2.22					
			7.350%	13-May-20	12-Jun-20	31	2.2785					
			7.200%	13-Jun-20	12-Jul-20	30	2.16					
			7.150%	13-Jul-20	23-Aug-20	42	3.003					
52	5050000921	OBC-V	7.5000%	27-Mar-20	26-Apr-20	31	2.325					
			7.200%	27-Apr-20	14-Jun-20	49	3.528					
53	5050001101	UCO Bank	6.30%	27-Jul-21	21-Nov-21	118	7.434					
			5.80%	22-Nov-21	31-Mar-22	130	7.54					
54	5060000001	LIC - III	6.57%	01-Apr-21	31-Mar-22	365	23.9805					
55		SBI, New York	4.25500%	01-04-2019		44	1.87220					
			3.98763%	15-05-2019		75	2.99072					
			3.57750%	29-07-2019		156	5.58090					
				01-01-2020			0.00000					
						275	10.44382	3.8251%				

Vijendra

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Power Finance Corporation - V	8.23%	01-Apr-19	31-Mar-20	366	30.1218		200000000				
Power Finance Corporation - V	7.44%	01-Apr-19	31-Mar-20	366	27.2304		400000000				
Power Finance Corporation - V	7.83%	01-Apr-19	31-Mar-20	366	28.6578		800000000				
Power Finance Corporation - V	8.25%	01-Apr-19	31-Mar-20	366	30.195		800000000				
Power Finance Corporation - V	7.76%	01-Apr-19	31-Mar-20	366	28.4016		1300000000				
Power Finance Corporation - V	8.30%	01-Apr-19	31-Mar-20	366	30.378		2750000000				
Power Finance Corporation - V	7.76%	01-Apr-20	14-Apr-20	14	1.0864		1300000000				
Power Finance Corporation - V	7.31%	15-Apr-20	14-Oct-20	183	13.3773		1300000000				95030000
Power Finance Corporation - V	7.44%	01-Apr-20	14-Oct-20	197	14.6568		400000000				29760000
Power Finance Corporation - V	7.83%	01-Apr-20	14-Oct-20	197	15.4251		800000000				62640000
Power Finance Corporation - V	8.30%	01-Apr-20	14-Oct-20	197	16.351		2750000000				228250000
Power Finance Corporation - V	8.25%	01-Apr-20	14-Oct-20	197	16.2525		800000000				66000000
Power Finance Corporation - V	8.23%	01-Apr-20	14-Oct-20	197	16.2131		200000000				16460000
				3378	268.3468	7.9440%	6250000000			losed on 15.10.2020	498140000
										Weightage average rate on refinancing	<b>7.970%</b>

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Details of Source wise Fuel for Computation of Energy Charges

Name of the Company : NTPC Limited  
 Name of the Power Station : Bath Super Thermal Power Station Stage-II

S. No.	Month	Unit	Oct-18		Nov-18		Dec-18	
			Domestic (Railway)	Imported	Domestic (Railway)	Imported	Domestic (Railway)	Imported
<b>A) OPENING QUANTITY</b>								
1	Opening Quantity of Coal/Lignite	(MT)	40341.01	3295.09	48824.1	794.44	72941.38	704.44
2	Value of Stock	(Rs.)	132913239.68	34791248.36	151495732.8	5185978.44	256718551.3	5185978.44
<b>B) QUANTITY</b>								
3	Quantity of Coal/Lignite supplied by Coal/Lignite Company	(MMT)	482900.49	7022.8	502152.24	0	599740.03	0
4	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)				0		0
5	Coal supplied by Coal/Lignite Company (3+4)	(MMT)	482900.49	7022.8	502152.24	0	599740.03	0
6	Normative Transit & Handling Losses (For coal/ Lignite based projects)	(MMT)	3871.20	14.03	4017.22	0	4797.92	0
7	Net coal /Lignite Supplied (5-6)	(MMT)	480029.29	7008.75	498135.02	0	596942.11	0
<b>C) PRICE</b>								
8	Amount charged by the Coal/Lignite Company	(Rs.)	1108309325.00	30997569.1	123946049.00	0	1623990637.23	0.00
9	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)	-61107874.28	0	-63413729.99	0	-75736311.73	0.00
10	Handling, Sampling and such other similar charges	(Rs.)	17786146.52	45187.00	16331303.69	0	14699928.34	0.00
11	Total amount Charged (8+9+10)	(Rs.)	1064987597.24	51040756.1	1192554512.70	0	1562954053.84	0.00
<b>D) TRANSPORTATION</b>								
12	Transportation charges by rail/ship/road transport	(Rs.)						
	By Rail		414844832.10		429211281.50	0.00	476764788.00	0.00
	By Road							
	By Ship							
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)						
14	Demurrage Charges, if any	(Rs.)						
15	Cost of diesel in transporting coal through MGR system, if applicable	(Rs.)	1905379.07	27652.59	1999115.25	0.00	1805428.49	0.00
16	Total Transportation Charges (12-13+14+15)	(Rs.)	416750231.17	27652.59	431210397.15	0.00	478570214.49	0.00
17	Total amount Charged for coal/lignite supplied including Transportation (11+16)	(Rs.)	1481737828.41	51068408.69	1633564909.85	0.00	2041524468.33	0.00
<b>E) TOTAL COST</b>								
18	Landed cost of coal/ Lignite (2+17)(1+7)	Rs./MT	3,102.89	7,261.84	3,245.33	7,261.85	3411.14	7261.85
19	Blending Ratio (Domestic/Imported)		98	2	100	0	99.87	0.13
20	Weighted average cost of coal/ Lignite	Rs./MT		3,187.86	3245.33		3416.41	
<b>F) QUALITY</b>								
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	(kCal/Kg)						
22	GCV of Domestic Coal supplied as per bill of Coal Company	(kCal/Kg)	4732.88		4732.88		4779.29	
23	GCV of Imported Coal of the opening stock as per bill Coal Company	(kCal/Kg)	4733.88		4781.35		4818.88	
24	GCV of Imported Coal supplied as per bill Coal Company	(kCal/Kg)		5700		5700		5700
25	Weighted average GCV of coal/ Lignite as Billed	(kCal/Kg)		5700		0		0
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	4752.17		4779.29		4845.12	
27	GCV of Domestic Coal supplied as received at Station	(kCal/Kg)	4044.51		4059.06		3980.93	
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)	4059.3		3977.47		3873.58	
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)		4438.4		4481.79		4481.79
30	Weighted average GCV of coal/ Lignite as Received	(kCal/Kg)		4502.51		0		0
			4076.61		3996.66		3881.94	

*V. Sundar*

## Details of Secondary Fuel for Computation of Energy Charges

Sl.No.	Month	Unit	Oct-18	Nov-18	Dec-18
			<b>LDO</b>	<b>LDO</b>	<b>LDO</b>
1	Opening Stock of Oil	(KL)	2868.36	2677.36	2559.13
2	Value of Opening Stock	(Rs.)	147129375.64	139725476.12	134395808.80
3	Quantity of Oil supplied by Oil Company	KL	172.00	105.77	355
4	Adjustment(+/-) in quantity supplied made by Oil Company	KL	0.00	0	0
5	Oil supplied by Oil Company (3+4)	KL	172.00	105.77	355
6	Normative Transit & Handling Losses	KL	0.00	0	0
7	Net Oil Supplied (5-6)	KL	172.00	105.77	355
8	Amount charged by the Oil Company	(Rs)	11540281.00	6433978.86	19165950.17
9	Adjustment(+/-) in amount charged made by Oil Company	(Rs)	0.00	0	0.00
10	Handling, Sampling and such other similar charges	(Rs)			
11	Total amount charged (8+9+10)	(Rs)	11540281.00	6433978.86	19165950.17
12	Transportation charges by rail / ship / road transport	(Rs)			
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs)	0.00	0	0.00
14	Demurrage Charges, if any	(Rs)	0.00	0	0.00
15	Total Transportation Charges (12+13+14+15)	(Rs)	0.00	0	0.00
16	Others Charges	(Rs.)	0.00	0.00	0.00
17	Total amount Charged for fuel supplied including Transportation (11+15+16)	(Rs)	11540281.00	6433978.86	19165950.17
18	Weighted average GCV of Oil	(kCal/L)	9515.00	9515.00	9470.00
19	Weighted average rate of Secondary Fuel	Rs/KL	52187.83	52516.28	52695.64

*W. S. S. S.*  
PETITIONER

**Details of Source wise Fuel for Computation of Energy Charges**

Name of the Company: **NTPC Limited**  
 Name of the Power Station: **Barkhuper Thermal Power Station Stage-II**

S. No.	Month	Unit	Oct-19		Nov-19		Dec-19	
			Domestic (Railway)	Imported	Domestic (Railway)	Imported	Domestic (Railway)	Imported
<b>A) OPENING QUANTITY</b>								
1	Opening Quantity of Coal/Lignite	(MMT)	7701.59		7700.50		24842.18	
2	Value of Stock	(Rs.)	271153901.78		264718325.99		909528730.43	
<b>B) QUANTITY</b>								
3	Quantity of Coal/Lignite supplied by Coal/Lignite Company	(MMT)	475425.41		87053.51		57003.11	
4	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)	0		0.00		0.00	
5	Coal supplied by Coal/Lignite Company (3+4)	(MMT)	475425.41		87053.51		57003.11	
6	Blowdown, Transit & Handling Losses (For coal/Lignite based projects)	(MMT)	1803.4		496.43		852.26	
7	Net coal/Lignite supplied (5-6)	(MMT)	473622.01		86557.08		56150.85	
<b>C) PRICE</b>								
8	Amount charged by the Coal/Lignite Company	(Rs.)	188229371.06		156702742.08		158801995.40	
9	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)	-9097473.21		-43218585.13		-37746417.65	
10	Handling, Sampling and calibration charges	(Rs.)	1863900.31		1402373.79		17158362.18	
11	Total amount charged (8+9+10)	(Rs.)	190210978.16		163887530.74		175143815.93	
<b>D) TRANSPORTATION</b>								
12	Transportation charges by rail/road/ship	(Rs.)						
	By Rail		34025585.75		54413121.40		312293247.83	
	By Road		144232659.66		190327510.99		224297140.05	
	By Ship							
13	Adjustment (+/-) in amount charged made by Rail/Road/Ship Transport Company	(Rs.)						
14	Deduction Charges, if any	(Rs.)						
15	Cost of diesel in transporting coal through MGO, system, if applicable	(Rs.)	1129128.94		2123235.08	0	83154.40	0
16	Total Transportation Charges (12+13+14+15)	(Rs.)	34567834.35		69688656.47	0	73443815.20	0
17	Total amount charged for coal/lignite supplied including transportation (11+16)	(Rs.)	193667812.51		233576187.21	0	248587631.13	0
<b>E) TOTAL COST</b>								
18	Landed cost of coal/Lignite (17+16)(1+7)	(Rs./MMT)	3,420.48		3,625.70		3,842.28	
19	Blowdown Ratio: (Domestic/Imported)		100	0	100	0	100	0
20	Weighted average cost of coal/Lignite			3,420.48	3,625.70		3,842.28	
<b>F) QUALITY</b>								
21	GCV of Domestic Coal of the opening stock as per bill of Coal Company	(kCal/Kg)	4538.20		4502.24		4560.89	
22	GCV of Domestic Coal supplied as per bill of Coal Company	(kCal/Kg)	4597.51		4517.29		4555.41	
23	GCV of Imported Coal of the opening stock as per bill of Coal Company	(kCal/Kg)		3517.41		0	0	0
24	GCV of Imported Coal supplied as per bill of Coal Company	(kCal/Kg)		0		0	0	0
25	Weighted average GCV of Coal/Lignite as billed	(kCal/Kg)	4592.34		4504.89		4580.44	
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3526.35		3673.24		3653.84	
27	GCV of Domestic Coal supplied as received at Station	(kCal/Kg)	3582.80		3463.18		3481.85	
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)		3560.88		0	0	0
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)		0		0	0	0
30	Weighted average GCV of Coal/Lignite as Received	(kCal/Kg)	3,572.34		3,681.84		3,477.82	

*Subodh*  
(Signature)

**Details of Secondary Fuel for Computation of Energy Charges**

Name of the Company :	NTPC Limited
Name of the Power Station :	Barh Super Thermal Power Station Stage-II

Sl.No.	Month	Unit	Oct-19	Nov-19	Dec-19
			LDO	LDO	LDO
1	Opening Stock of Oil	(KL)	3844.49	3728.93	3613.93
2	Value of Opening Stock	(Rs.)	208192853.00	201934707.00	195707050.00
3	Quantity of Oil supplied by Oil Company	KL	0.00	0.00	906.59
4	Adjustment(+/-) in quantity supplied made by Oil Company	KL	0	0	0.00
5	Oil supplied by Oil Company (3+4)	KL	0.00	0.00	906.59
6	Normative Transit & Handling Losses	KL	0	0	0
7	Net Oil Supplied (5-6)	KL	0.00	0.00	906.59
8	Amount charged by the Oil Company	(Rs)	0	0	49379661.00
9	Adjustment(+/-) in amount charged made by Oil Company	(Rs)	0	0	0
10	Handling, Sampling and such other similar charges	(Rs)			
11	Total amount charged (8+9+10)	(Rs)	0.00	0.00	49379661.00
12	Transportation charges by rail / ship / road transport	(Rs)	0	0	0
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs)	0	0	0
14	Demurrage Charges, if any	(Rs)	0	0	0
15	Total Transportation Charges(12+13+14+15)	(Rs)	0	0	0
16	Others charges	(Rs.)	0	0	0
17	Total amount Charged for fuel supplied including Transportation (11+15+16)	(Rs)	0.00	0.00	49379661.00
18	Weighted average GCV of Oil	(kCal/L)	9495.00	9480.00	9510.00
19	Weighted average rate of Secondary Fuel	Rs/KL	54153.54	54153.54	54216.50

  
 PETITIONER

## Details of Source wise Fuel for Computation of Energy Charges

Name of the Company :		NTPC Limited												
Name of the Power Station :		Barh Super Thermal Power Station Stage-II												
S. No.	Month	Unit	Oct-20				Nov-20				Dec-20			
			Domestic (NTPC Mines)	Domestic (Other Sources)	E-Auction	Imported	Domestic (NTPC Mines)	Domestic (Other Sources)	E-Auction	Imported	Domestic (NTPC Mines)	Domestic (Other Sources)	E-Auction	Imported
<b>A) OPENING QUANTITY</b>														
1	Opening Quantity of Coal/Lignite	(MMT)	34907.59	117492.56	0	0	70728.27	130456.98	0	0	14287.70	367953.52	0	0
2	Value of Stock	(Rs.)	114513980.56	420310511.17	0	0	233652951.08	577832829.04	0	0	47348553.15	1416072965.63	0	0
<b>B) QUANTITY</b>														
3	Quantity of Coal/Lignite supplied by Coal/Lignite Company	(MMT)	123900.88	433167.83	0	0	46532.84	579898.84	0	0	147148.38	463491.95	0	0
4	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)	0	0	0	0	605.99	0.00	0	0	1531.45	0.00	0	0
5	Coal supplied by Coal/Lignite Company (3+4)	(MMT)	123900.88	433167.83	0	0	45926.85	579898.84	0	0	145616.93	463491.95	0	0
6	Normative Transit & Handling Losses (For coal/ Lignite based projects)	(MMT)	991.21	3465.24	0	0	367.41	4659.19	0	0	1164.94	3707.94	0	0
7	Net coal / Lignite Supplied (3-4)	(MMT)	122909.67	429702.49	0	0	45559.44	575259.65	0	0	144451.99	459784.01	0	0
<b>C) PRICE</b>														
8	Amount charged by the Coal/Lignite Company	(Rs.)	295427932.00	1235282791.00	0	0	109816457.71	1637846760.00	0	0	350674218.99	1066703854.00	0	0
9	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)	0	-45209066.37	0	0	0.00	-50838237.52	0	0	0.00	-49556686.11	0	0
10	Handling, Sampling and such other similar charges	(Rs.)	3229939.65	11292138.87	0	0	1213052.44	15117231.19	0	0	3835972.63	12082650.42	0	0
11	Total amount Charged (8+9+10)	(Rs.)	298657871.65	1201365863.50	0.00	0.00	111029510.15	1602125753.67	0.00	0.00	354510191.62	1029229818.31	0.00	0.00
<b>D) TRANSPORTATION</b>														
12	Transportation charges by rail/ship/road transport	(Rs.)			0	0								
	By Rail	(Rs.)												
	By Road	(Rs.)	107955088.00	479042323.26			40602421.00	611906391.30			128760905.00	529115814.77		
	By Ship	(Rs.)												
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)												
14	Demurrage Charges, if any	(Rs.)												
15	Cost of diesel in transporting coal through MGR system, if applicable	(Rs.)	227134.12	794079.87	0	0	85303.64	1663066.01	0	0	269751.26	849669.81	0	0
16	Total Transportation Charges (12+13+14+15)	(Rs.)	108182222.12	479836403.13	0	0	40687724.64	612969457.31	0	0	12903650.26	529965484.58	0	0
17	Total amount Charged for coal/lignite supplied including Transportation (11+16)	(Rs.)	406840093.75	1681202266.63	0.00	0.00	151717234.79	2215095210.98	0.00	0.00	483540847.88	1559195302.89	0.00	0.00
<b>E) TOTAL COST</b>														
18	Landed cost of coal/ Lignite (17+16)/(1+7)	Rs./MT	3,303.53	3,840.52	0	0	3,313.94	3,848.51	0	0	3,344.40	3,594.46	0	0
19	Blending Ratio (Domestic/imported)		18	82			22.19	77.81			31.97	68.03		
20	Weighted average cost of coal	Rs./MT					3,743.86	3729.91			3514.51			
<b>F) QUALITY</b>														
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	(kCal/Kg)	4750	4131.20	0		4750.00	4193.54	0		4750.00	4229.13	0	
22	GCV of Domestic Coal supplied as per bill of Coal Company	(kCal/Kg)	4750	4209.38	0		4750.00	4238.59	0		4750.00	3955.00	0	

Vishnu





**Details of Secondary Fuel for Computation of Energy Charges**

Name of the Company :		NTPC Limited			
Name of the Power Station :		Barh Super Thermal Power Station Stage-II			
Sl.No.	Month	Unit	Oct-20	Nov-20	Dec-20
			LDO	LDO	LDO
1	Opening Stock of Oil	(KL)	2053.73	2325.09	2995.33
2	Value of Opening Stock	(Rs.)	102143047.00	115919120.00	145679944.00
3	Quantity of Oil supplied by Oil Company	KL	271.36	808.25	216.24
4	Adjustment(+/-) in quantity supplied made by Oil Company	KL	0	0	0.00
5	Oil supplied by Oil Company (3+4)	KL	271.36	808.25	216.24
6	Normative Transit & Handling Losses	KL	0	0	0
7	Net Oil Supplied (5-6)	KL	271.36	808.25	216.24
8	Amount charged by the Oil Company	(Rs)	13776073	36472540	9699251.00
9	Adjustment(+/-) in amount charged made by Oil Company	(Rs)	0	0	0
10	Handling, Sampling and such other similar charges	(Rs)			
11	Total amount charged (8+9+10)	(Rs)	13776073.00	36472540.00	9699251.00
12	Transportation charges by rail / ship / road transport	(Rs)	0	0	0
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs)	0	0	0
14	Demurrage Charges, if any	(Rs)	0	0	0
15	Total Transportation Charges(12+13+14+15)	(Rs)	0	0	0
16	Others Charges	(Rs.)	0	0	0
17	Total amount Charged for fuel supplied including Transportation (11+15+16)	(Rs)	13776073.00	36472540.00	9699251.00
18	Weighted average GCV of Oil	(kCal/L)	9495	9480	9470
19	Weighted average rate of Secondary Fuel	Rs/KL	49855.84	48635.63	48381.04

*Vikendra*  
PETITIONER

**Computation of Energy Charges**

Form-15  
ADDITIONAL FORM

Name of the Company: **NTPC Limited**  
Name of the Power Station: **Barh Super Thermal Power Station Stage-II**

**Computation of Energy Charges**

	2019-20	2020-21	2021-22	
1. Rate of Energy Charge from Sec. Fuel Oil/ Alternate Fuel (p/kwh) $(REC_1) = (Q_1) \times P_1$	2.672	2.711	2.420	
2. Heat Contribution from SFO / Alternate Fuel (H <sub>1</sub> ) $= (Q_1) \times (GCV_1)$	4.770	4.739	4.745	
3. Heat Contribution from coal (H <sub>2</sub> ) $= (Q_2) \times H_2$	2300.97	2300.98	2300.99	
4. Specific Primary Fuel Consumption (Q <sub>1</sub> ) $= H_1 / (GCV_1)$	0.5925	0.6645	0.6942	
5. Rate of Energy charge from Primary Fuel (p/kwh) $(REC_2)$	195.422	243.293	242.939	
6. Rate of Energy charge ex-bas (p/kWh) $(REC) = (REC_1) + (REC_2) / (1+ALUR)$	211.257	264.537	272.383	249.392

	2019-20	2020-21	2021-22	2022-23	2023-24
No of Days in the year	366	365	365	365	365
Sp. Oil consumption ml/kwh	0.8	0.5	0.5	0.5	0.5
Auxiliary consumption %	6.25	6.25	6.25	6.25	6.25
Heat Rate Kcal/Kwh	2,305.73	2,305.73	2,305.73	2,305.73	2,305.73

Computation of Variable Charges					
Variable Charge (Coal) p/kwh	298.450	261.646	269.802	269.802	269.802
Variable Charge (Oil) p/kwh	2.807	2.891	2.581	2.581	2.581
<b>Total</b> p/kwh	<b>311.257</b>	<b>264.537</b>	<b>272.383</b>	<b>272.383</b>	<b>272.383</b>

**Price of fuel from Form-15/15A**

	(Rs./MT)	(Rs./KL)
Coal Cost	3298.29	3691.53
Oil Cost	52671.46	54213.47

**Computation of Fuel Expenses for Calculation of IWC:**

	(MUs)	(Rs. Lakhs)
ESD in a year	9239.67	9214.43
ESD for 50 days	1262.250	1262.250
Cost of coal for 50 Days	26311.37	33026.24
Cost of oil for 2 months	432.26	444.64
Energy Expenses for 45 days	23999.36	30952.09

Coal	3rd month	2nd month	1st month	Wtd. Avg.
Wtd. Avg. Price of Coal (Rs./MT)	3187.86	3345.33	3416.41	3298.29
Wtd. Avg. GCV of Coal as received (kCal/Kg)	4076.61	3996.66	3881.94	3968.52
Wtd. Avg. GCV of Coal as received after adjustment of 85 kcal/kg Sec. Oil				3883.51
Wtd. Avg. Price of Secondary Fuel (Rs./KL)	52187.83	52516.24	52695.64	52631.46
Wtd. Avg. GCV of Secondary Fuel (kCal/L)	9515.00	9515.00	9470.00	9539.11

Coal	3rd month	2nd month	1st month	Wtd. Avg.
Wtd. Avg. Price of Coal (Rs./MT)	3420.48	3625.50	3882.38	3691.53
Wtd. Avg. GCV of Coal as received (kCal/Kg)	3573.24	3653.84	3477.13	3547.85
Wtd. Avg. GCV of Coal as received after adjustment of 85 kcal/kg Sec. Oil				3462.85
Wtd. Avg. Price of Secondary Fuel (Rs./KL)	54153.54	54153.54	54216.50	54213.47
Wtd. Avg. GCV of Secondary Fuel (kCal/L)	9495.00	9480.00	9510.00	9518.09

Coal	3rd month	2nd month	1st month	Wtd. Avg.
Wtd. Avg. Price of Coal (Rs./MT)	3743.86	3729.91	3514.51	3643.61
Wtd. Avg. GCV of Coal as received (kCal/Kg)	3486.16	3456.65	3464.87	3399.60
Wtd. Avg. GCV of Coal as received after adjustment of 85 kcal/kg Sec. Oil				3314.60
Wtd. Avg. Price of Secondary Fuel (Rs./KL)	49855.84	48625.63	48281.04	48391.41
Wtd. Avg. GCV of Secondary Fuel (kCal/L)	9495.00	9480.00	9470.00	9489.77

*Vikendra*  
PETITIONER

**Details/Information to be Submitted in respect of Capital Spares for 2019-20**

Name of the Petitioner: NTPC Ltd.  
Name of the Generating Station: Bark-II

Amount in Rs Lakh

Sl. No.	Details of Capital Spares and Expenses in 2019-20		Claimed as a part of additional Capitalisation	Funded through Contingent Allowance	Funded through Special	Claimed as a part of stores and spares	Justification
	Name of Spare	AS per IGAAP					
1	FLUID CIRCUIT BOARD-23 COMP ASSY FEMBRIL	2.99	Yes	No	No	No	In order to meet the customer demand and maintain high machine availability at all times by the various stations, entire equipment are taken under overhaul/ maintenance and inspected regularly for wear and tear. During such works, spare parts of equipment which become damaged/ worn out are replaced/ corrected so that the machine continue to perform as expected efficiently on sustained basis. Parties in possession 75% capital spares are allocated/ approved as part of O&M expenses. Therefore it is proved that the capital spares covered by the instant station during the period may be placed as allowed by Hon'ble Commission.
2	CLAMP ASSY FEMBRIL, CLOPLING 787-570	11.93	Yes	No	No	No	
3	COMP ASSY FEMBRIL, CLOPLING 787-660	11.94	Yes	No	No	No	
4	COMP ASSY ACT GEAR BOX SM 3I 2 (12 33.1)	8.00	Yes	No	No	No	
5	COMP ASSY ACT GEAR BOX SM 3I 2 (12 33.1)	14.45	No	No	No	No	
6	COMP ASSY 20 INCH HUB BDN-300-SPL-4	4.51	No	No	No	No	
7	COMP ASSY 20 INCH HUB BDN-300-SPL-4	13.59	No	No	No	No	
8	ELCON ELECTRO COMP ASSY	2.54	No	No	No	No	
9	GRM ROLL COMP ASSY	1.97	No	No	No	No	
10	DRIVE ENG. DRIVER CIRCUIT BOARD, PPS-EE	2.62	Yes	No	No	No	
11	DR-200-200-2-SJ COMPLETE CATHODE ASSY	10.93	Yes	No	No	No	
12	DOCP00123 COMP/LITE ASSY	9.84	Yes	No	No	No	
13	PUMP ASSY EAGLE BERGMANN ER 477	16.28	Yes	No	No	No	
14	PUMP ASSY 410-R-251-1300R606P	230.88	Yes	No	No	No	
15	COMPLETE ASSY KVL-400 KAKATI	62.33	Yes	No	No	No	
16	PUMP ASSY 1279C21317A21000 KBL	6.75	No	No	No	No	
17	REDUCTOR AT PUMP ASSY 175 200400	4.45	No	No	No	No	
18	PUMP ASSY NG 100400+TC2H	11.94	No	No	No	No	
19	DRYER D8206 ASSY 161799173 ATLAS COPCO	19.48	No	No	No	No	
20	GATE VALVE ASSY BHTH, 20C1, 300 BW, 30C, 30CII	3.50	No	No	No	No	
21	GATE VALVE ASSY BHTH, 3IN, CL15008PL, BW, MD	12.95	No	No	No	No	
22	12-CR-10V-10W-GO-WELL COMP WV ASSY	1.21	No	No	No	No	
23	COMPLETE VALVE ASSY COPPER VULCAN SDI	7.76	No	No	No	No	
24	COMPLETE VALVE ASSY 1731W-1-S-F1-WSC	117.43	No	No	No	No	
25	COMPLETE VALVE ASSY 1707W-1-S-F1-WSC	24.73	No	No	No	No	
26	COMPLETE VALVE ASSY 51240755-101	17.37	No	No	No	No	
27	BRASS VALVE ASSY 3019914 IN X IN MULL AD	12.01	No	No	No	No	
28	CRANE 100 DN 2140C complete valve	3.21	No	No	No	No	
29	VE506-BH11008WAS COMP WV ASSY	8.77	No	No	No	No	
30	F-4-80-RY-RW-71453 EM COMP ASSY MEX	2.73	No	No	No	No	
31	VALVE COMP/011213560004/BHTH	27.81	No	No	No	No	
32	HS-64-1-A27072-C AXIAL PISTON P/P	3.84	No	No	No	No	
33	HEATER ASSY BHEL TURBO GENERATOR	649.05	No	No	No	No	
34	THRUST BEARING ASSY NCR18101923400/BHEL	11.51	No	No	No	No	
35	CCAL COMPARTMENT ASSEMBLY	222.93	No	No	No	No	
36	PAPER SPEED REDUCTOR COMPLETE ASSY	10.37	No	No	No	No	
37	HYD OIL DRIVE 0-55-02840126X10/BHEL	85.24	No	No	No	No	
38	VALVE WHEEL 80346-NI-45-110/DK0080/BHEL	84.37	No	No	No	No	
39	MPC/M-HEAD PULLEY	0.31	No	No	No	No	
40	SINGLE STAGE ANGLE DRAIN VALVE ASSY 123	30.83	No	No	No	No	
41	ANGLE DRAIN WV JRA17329/REBMEK/ANV-122	8.01	No	No	No	No	
42	ANGLE DRV WV EXV11A 109/CRP/13402540	3.23	No	No	No	No	
43	ROTOR BLADE NO ASSY 3 THE 1650001	7.46	No	No	No	No	
44	DISPLACEMENT PUMP 5105480K36.1&T 20W/1	17.92	No	No	No	No	
45	DISPLACEMENT PUMP 5165449K37.1&T 20W/1	25.91	No	No	No	No	
46	HYDRAULIC PUMP 15 3 L&T	19.48	No	No	No	No	
47	CLAMP GEAR ASSY 5088-24BM-FS-09-L&T	10.67	No	No	No	No	
48	AXIAL PISTON PUMP TRF ED8-24012401	11.88	No	No	No	No	
49	AXIAL PISTON MOTOR JWH091503	28.81	No	No	No	No	
50	HOOP PULLEY D814X1 180/SHAFT D180X2480	1.82	No	No	No	No	
51	PADDLER SETS FOR 30% GRANULATED WELD PLATES	14.34	No	No	No	No	
52	ROTOR ASSY 0125N700-0700A PENNSYLVANIA	127.89	No	No	No	No	
53	PISTON PUMP 30011430	19.58	No	No	No	No	
54	CLIPPER CRUMBER ASSY 521PH	33.21	No	No	No	No	
55	FAN DRIVE ASSY HE-21-003416/110V	9.19	No	No	No	No	
56	CENTRIFUGAL ASSY ALFA LAVAL MAJ 205	24.49	No	No	No	No	
57	FRONT ASSY 2120020014/UMC DOWER RD-111	31.31	No	No	No	No	
58	HEAT EXCHANGER ASSY THERMAX 50400	285.12	No	No	No	No	
59	LT AIR CIRCUIT BREAKER TYPE 110 1250	1.08	No	No	No	No	
60	ACB 3P EDX080PNT REUSE ALH03-000ACRS	3.78	No	No	No	No	
61	CIRCUIT BREAKER AIR 800A 14800-8671&T	3.72	No	No	No	No	
62	C&S AED 2500A 415V	13.00	No	No	No	No	
63	SPRING CHARGING MOTOR 220VDC 1000A 1200A	0.74	No	No	No	No	
64	MOTOR SQ CAGE BDD415VAC 3PH 355L 10P V5	9.93	No	No	No	No	
65	MOTOR SQ CAGE BDD415VAC 3PH 355L 10P V5	242.20	No	No	No	No	
66	HYDRAULIC-METL PRT 8801E-900VA132/1.3KV	3.01	No	No	No	No	
67	LW HV LV LV N 8801E-METL PRT 30HLS900VA132/1.3KV F	0.92	No	No	No	No	
68	HYDRAULIC-METL PRT 8801E-700VA 110 ASKY	1.43	No	No	No	No	
69	HYDRAULIC-METL PRT 8801E-100VA 110 ASKY	1.42	No	No	No	No	
70	HYDRAULIC-METL PRT 8801E-100VA 110 ASKY	1.44	No	No	No	No	
71	NUMERICAL RELAY FOR LT MOTOR PROTECTION	22.55	No	No	No	No	
72	RELAY NUMERICAL 1A NCOM P-04	2.75	No	No	No	No	
73	RELAY NUMERICAL DIGITAL 1A MCOM P-03	3.32	No	No	No	No	
74	RELAY NUMERICAL OVER CURRENT 1A MCOM P-04	1.95	No	No	No	No	
75	RELAY NUMERICAL DIGITAL 1A MCOM P-03	2.27	No	No	No	No	
76	RELAY DIFF PROTECTION 1A MCOM P-02	3.04	No	No	No	No	
77	BATTERY B0118N-CD 120V 950AH, CONTROLLED 24VDC RECTIFIER MODULE P12	0.32	No	No	No	No	
78	AUTO RELAY TEST KIT BDKGTR SMART 410 WITH ID66230400A	18.24	No	No	No	No	
79	VFD SYSTEM - 100KW	13.87	No	No	No	No	
80	VALVE SOX 30007213730000TH	8.41	No	No	No	No	
81	VALVE SOX 30004040730000TH	20.41	No	No	No	No	
82	VALVE SOX 300044670	25.11	No	No	No	No	
83	RTD P1100 WIRE IN PLEX DIA 3MM DIA 110MM	0.98	No	No	No	No	
84	ACTUATOR PNT1 DOUBLE ACT C 2404-1000-V	10.97	No	No	No	No	

*Vitendra*

85	ACTUATOR PNEUMAT DOUBLE ACT C-2100-0000-V	31.11	No	No	No	No
86	ACTUATOR PNEU 80-1000-1000A	27.29	No	No	No	No
87	ACTUATOR PNEU 80-1000-1000A	27.29	No	No	No	No
88	PNEU ACT FOR MIT CONTROL VALVE ACTUATOR	2.14	No	No	No	No
89	SODIUM ANALYSER CPU BOARD	1.25	No	No	No	No
90	COMPLETE OPACITY MONITOR	5.32	No	No	No	No
91	COMPLETE ACT ASSEMBLY ALMA SAMAHD	3.38	No	No	No	No
92	ALMA ACTUATOR MODEL 3411 127 SAH 10 110 SPEED 220PM 12PAU VLI TYPE	4.17	No	No	No	No
93	HEXC ACTUATOR MODEL 3411 127 SAH 10 110 SPEED 220PM 12PAU VLI TYPE ACTUATOR WITH FX	0.80	No	No	No	No
94	CO ANALYSER D-1000 PMA 100PPM 2100PM	21.83	No	No	No	No
95	ANALOG INPUT REDUNDANT MODULE AIR ABB	1.84	No	No	No	No
96	ANALOG OUTPUT REDUNDANT MODULE AOB WITH MODULE 1000PMA 12 KICKOFF ABB	1.58	No	No	No	No
97	NETWORK INTERFACE DNR81 ABB WITH BUS INTRUMENT	21.78	No	No	No	No
98	ABB POWER SUPPLY 24V 150/200 AC/DC REAR MODULE M60000N 1400PS21400	1.82	No	No	No	No
99	PROCESS CONTROLLER DDC7000 ABB	27.68	No	No	No	No
100	WORKSTATION FOR 110555703084	81.79	No	No	No	No
101	MAN OPERATOR STATION	81.74	No	No	No	No
102	WORK STATION (PC) (MAXIMA) FOR PROGRAMMER	16.07	No	No	No	No
103	PC WORK STATION (MAXIMA) FOR PROGRAMMER	81.79	No	No	No	No

Total 3285.11

*Signature*  
Petitioner

**Details/Information to be Submitted in respect of Capital Spares for 2020-21**

Name of the Petitioner: NTPC Ltd.  
Name of the Generating Station: Barh-II

Sl. No.	Details of Capital Spares and Expenses in 2020-21		Claimed as a part of additional Capitalization	Provided through Contingency Allowance	Provided through Special Allowance (if applicable)	Claimed as a part of stores and spares	Amount in Rs Lakh
	Name of Spare	AS per IGAAP					
1	BFV SIZE-300MM,PN16,MATL-CI,CHK-GT V/V FOR STG2	0.92	No	No	No	No	In order to meet the customers demand and maintain high machine availability at all times by the instant station, units equipments are taken under overhaul/maintenance and inspected regularly for wear and tear. During such works, spare parts of equipments which become damaged/irreparable are replaced/procured so that the machine continues to perform at expected efficiency on scheduled basis. Further as per Regulation 35(5) capital spares are admissible separately as part of O&M expenses. Therefore it is prayed that the capital spares consumed by the instant station during the period may be please be allowed by Hon'ble Commission.
2	COMP ASSY,PEMBRIE,COUPLING,16SR,25B	24.77	No	No	No	No	
3	COMP ASSY,ELBCON,K818N/PB50,415.1	72.51	No	No	No	No	
4	GEAR BOX ASSY,ELBCON,KC2100,35.5.1	19.50	No	No	No	No	
5	COMP ASSY,ELBCON,GEAR BOX,KCH100,47.1	30.20	No	No	No	No	
6	COMP ASSY,ELBCON,GEAR BOX,KD-315	18.69	No	No	No	No	
7	GEAR BOX ASSY,ALLENBERRY,GB,CKC-315	27.50	No	No	No	No	
8	COMP ASSY,ALLENBERRY,GEAR BOX,CKC-301	85.78	No	No	No	No	
9	CHCSC-200 COMP ASSY	2.29	No	No	No	No	
10	COMP ASSY,PC,GEAR BOX,SR 32 (212,93.1)	4.41	No	No	No	No	
11	GR ASSY,R18/W1,PETL,01,312	70.16	No	No	No	No	
12	GR,SHANTI-FLR,COMP,02PT,BTR-400	1.03	No	No	No	No	
13	GEAR COUPLING NO ED 11500	1.00	No	No	No	No	
14	ELBCON,ED200,COMP ASSY	3.84	No	No	No	No	
15	COUPLING,ELBCON,ED200,COMP ASSY	8.86	No	No	No	No	
16	COMP ASSY,BUROELEX,COUPLING,AGHM-2405	32.23	No	No	No	No	
17	THR&JOUR BRG ASSY,21,CR-1102	17.79	No	No	No	No	
18	PUMP ASSY,EAGLE,BUROMANN,EK 477	19.48	No	No	No	No	
19	PUMP ASSY,GOODWIN,100ANZE	23.44	No	No	No	No	
20	PUMP ASSEMBLY	3.52	No	No	No	No	
21	MDG 405 SLEEVE BRG	3.17	No	No	No	No	
22	MDG 405 BRG BOX	5.17	No	No	No	No	
23	PUMP ASSY,VO 100260-TCH+N	5.07	No	No	No	No	
24	T35-2046,Carriage Assembly	6.89	No	No	No	No	
25	10-C300-GV-BW-HW/MO-WCB COMP V/V ASSY,HW-BFV,PN10.0	1.83	No	No	No	No	
26	HRH-110D5045 COMPLETE ASSY	6.64	No	No	No	No	
27	6"-C300-RV-BW-F116,CFM COMP ASSY(MO)	2.73	No	No	No	No	
28	AIR SEAL ASSY,1000D98R2,LJLNQSTRUM	6.61	No	No	No	No	
29	HYD ADJ DEVICE,0-15-215-0124981028+	14.28	No	No	No	No	
30	PAF 191116-2 BLADES	25.45	No	No	No	No	
31	VANE WHEEL SEGMENT,45-114,DOOSAN BOILER	37.50	No	No	No	No	
32	JOURNAL HEAD ASSY,120-10-5,DOOSAN BOILER	32.39	No	No	No	No	
33	MPCFC367 HEAD PULLEY	5.43	No	No	No	No	
34	HYDRAULIC MOTOR,MS30 L&T,20W/H	33.09	No	No	No	No	
35	SIDE BEAM,16,TRF JODS-24012404	60.03	No	No	No	No	
36	PULLEY D 620 X 1,220H X SHAFT D 205	7.98	No	No	No	No	
37	SAC ARM COUPLER ASSY,6.1 L&T,20W/H	35.83	No	No	No	No	
38	BOTTOM CONSEP-ANION BEGEN UNIT (ARD) EJECTOR, CPU	79.20	No	No	No	No	
39	HMXSERIES KOH PUMP ASSY,10051205	19.10	No	No	No	No	
40	ASH MACHINE,230X110X75MM	15.33	No	No	No	No	
41	TRANSITION PANEL COMPLETE (22018)	1.74	No	No	No	No	
42	LT AIR CIRCUIT BREAKER,TYPE LHT 1750	1.08	No	No	No	No	
43	C&S ACB 2300A, 415V	3.02	No	No	No	No	
44	OWS ALONG WITH MONITOR,UPS & SOFTWARE	0.67	No	No	No	No	
45	CT FOR 3.3 KV, 20/1/1 A, 11VA, 75/1-1A,CL-SP2	0.71	No	No	No	No	
46	XFMR,CURR-OSKF-420,400KV,20VA,5	5.86	No	No	No	No	
47	100VA,440/110 VOLTAGE TRANSFORMER	0.33	No	No	No	No	
48	SET OF VALVES	1.00	No	No	No	No	
49	AIR CELL FOR CONSERVATOR FOR 260MVA,XYMR	1.50	No	No	No	No	
50	RELY NUM 220VDC,REP-615 ABB,CNBA19BN1XD	5.04	No	No	No	No	
51	COMPLETE VFD SYSTEM - 60 KW	3.85	No	No	No	No	
52	COMPLETE VFD SYSTEM - 15KW	1.15	No	No	No	No	
53	PNEU ACT FOR CONTROL VALVE ACTUATOR	0.86	No	No	No	No	
54	ANALYZER,WATER,SILIC A,0-500PPB	13.78	No	No	No	No	
55	ON LINE SODIUM ANALYSER	8.92	No	No	No	No	
56	ANALOG INPUT MODULE,CPU01T CARD, MAXDNA	2.20	No	No	No	No	
57	ANALOG INPUT MODULE,AA143-S00/K44A00	11.10	No	No	No	No	
58	ANALOG SP MODULE,AA143-S00/K44A00,YOKOG	1.03	No	No	No	No	
59	ANALOG ISO OP MODULE, AA143-S30/K4400-1756-QXN, A-BYOKO	7.12	No	No	No	No	
60	DIGITAL OP MODULE, ADV355-M0, YOKOGAWA	194.09	No	No	No	No	
61	CONTROL LOGIX PROCESSOR: 1756-L61, ALLEN	0.28	No	No	No	No	
62	PROCESSOR MODULE,CP451-H, WITH COMMUNICATION INTF CARD YOKOGAWA,DCS	1.74	No	No	No	No	
63	MS5796008 YOKOGAWA,CPU -INPUT MODULE,CP461-30,AA143, YOKOGAWA	1.74	No	No	No	No	
64	TERM BOARD WITH CONNCTR YTBADV355*A,YOK-YAIA4D@12R,YAED5D@11F	1.79	No	No	No	No	
		<b>Total</b>	1138.31				

*Vikram*  
Petitioner

Non-Tariff Income


Name of the Petitioner : NTPC Ltd

Name of the Generating Station : Barh Super Thermal Power Station Stage-II

Amount in Lakhs

S. No.	Parameters	2019-20	2020-21	2021-22	2022-23	2023-24
1.	Income from rent of land or buildings	148.47	161.01	TO BE PROVIDED AT THE TIME OF TRUING UP		
2.	Income from sale of scrap					
3.	Income from advertisements					
	<b>Total</b>	<b>148.47</b>	<b>161.01</b>			

\* 50% of Non Tariff Income is being shared with beneficiaries.

  
(Petitioner)

## Details of Water Charges

Name of the Company :	NTPC Limited	Rs Lakh
Name of the Power Station :	Barh Super Thermal Power Station Stage-II	

S. No.	Details of Water charges (excluding water cess)		Quantity allocated (Allocation for Barh-I (3x660 MW) & Barh- II (2x660 MW))	Normative consumption at 85% PLF	Rate specified (as per Govt. notification or agreement)	Spillage of water (in percentage)	Amount Claimed
	Name of source - <b>River Ganga</b> and Quantity (Cum)	Amount (Rs)	Unit (Cum)	Unit (Cum)	Unit (Rs/kGal)	%	Rs ( Lakhs )
2019-20	23048890	127544201	161201698	34494768	18	-	1275.44
2020-21	21277746	109037519	160761256	34400520	18	-	1090.38
2021-22*	34400520	136089969	160761256	34400520	18	-	1360.90
2022-23*	34400520	136089969	160761256	34400520	18	-	1360.90
2023-24*	34494768	136462818	161201698	34494768	18	-	1364.63

Note: \* The figures are shown on projected basis, actual figures shall be submitted at the time of truing-up.

*Vitendra*  
(Petitioner)

Details of Statutory Charges

Name of the Petitioner : NTPC Ltd

Name of the Generating Station : Barh Super Thermal Power Station Stage-II

Particulars	Unit Rate	No of Units	Amount Claimed
Electricity Duty	Shall be submitted at the time of Truing up		
Water Cess			
...			
...			
...			

*Sitendra*  
(Petitioner)



## Details of Assets De-capitalized during the period

PART-II  
FORM-I

Amount in Rs Lakh

Name of the Petitioner	NTPC Ltd					
Name of the Generating Station	Barh Super Thermal Power Station Stage-II					
COD	08.03.2016					
For Financial Year	2019-20					

Sl No	Asset description	Nature of de-capitalization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised			Year of Put to use	Depreciation recovered till date of decapitalization	Whether earning RoE at the normal rate of weightage average rate of interest on loan
			(As per Note 2 of BS)	Ind As Adjust	As per IGAAP			

**Decapitalisation Part of capital cost**

**I. Decap of MBOA part of capital cost**

1	Decap of EDP, WP machines and satcom equipment	Claimed in add cap	16.21	13.24	28.45	2015-2016	6.08	
2	Decap of Misc. Tools & tackles P&M ( Electrical Equipment etc)		26.22	-	26.22	2015-2016	5.41	
3	Decap of Construction Equipment		7.09	63.79	70.88	2015-2016	14.83	
(SUB Total -I)			49.52	77.02	126.54		26.12	

**II. Decap of Capital spares part of capital cost**

1	Decap of spares Part of capital cost	Claimed in add cap	1,447.66	195.51	1,643.17	2015-18	339.11	
(SUB Total -II)			1,447.66	195.51	1,643.17		339.11	

	<b>Total (I+II)</b>		1,497.18	272.53	1,769.71		365.23	
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	Period	Rate of Depreciation			
2015-16	5.16%	2018-19	5.16%		
2016-17	5.16%	2019-20	5.15%		
2017-18	5.16%				

*Vishnu*  
(Petitioner)

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**Details of Assets De-capitalized during the period**

PART-II  
FORM- I

Amount in Rs Lakh

Name of the Petitioner	NTPC Ltd				
Name of the Generating Station	Barh Super Thermal Power Station Stage-II				
COD	08.03.2016				
For Financial Year	2020-21				

Sl No	Asset description	Nature of de-capitalization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised			Year of Put to use	Depreciation recovered till date of decapitalization	Whether earning RoE at the normal rate of weightage average rate of interest on loan
			(As per Note 2 of BS)	Ind As Adjust	As per IGAAP			
<b>Decapitalisation part of capital cost</b>								
<b>I. Decap of MBOA part of capital cost</b>								
1	Decap of EDP, WP machines and satcom equipment	Claimed in add cap	14.80	5.40	20.20	2015-16	5.21	
2	Decap of Communication Equipments		1.13	0.44	1.57	2015-16	0.41	
3	Decap of Misc. Tools & Tackles P&M etc.		8.34	0.04	8.38	2015-18	2.16	
			0.20	-	0.20	2017-18	0.03	
			1.94	-	1.94	2019-20	0.10	
		<b>SUB (Total I)</b>	<b>26.41</b>	<b>5.88</b>	<b>32.29</b>		<b>7.91</b>	
<b>II. Decap of Capital spares part of capital cost</b>								
1	Decap of spares part of capital cost	Claimed in add cap	380.06	102.52	482.58	2015-18	124.45	
			1.75	-	1.76	2017-18	0.27	
			17.94	-	17.94	2018-19	1.85	
		<b>SUB (Total II)</b>	<b>399.76</b>	<b>102.52</b>	<b>502.28</b>		<b>126.57</b>	
<b>III. Decap of Other Asset part of capital cost</b>								
1	Decap of structures	Claimed in add cap	9.57	5.73	15.30	2015-16	3.95	
		<b>SUB (Total III)</b>	<b>9.57</b>	<b>5.73</b>	<b>15.30</b>		<b>3.95</b>	
		<b>Total (I to III)</b>	<b>435.74</b>	<b>114.13</b>	<b>549.87</b>		<b>138.42</b>	

Period	Rate of Depreciation
2015-16	5.16%
2016-17	5.16%
2017-18	5.16%

*(Signature)*  
(Petitioner)

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## Summary of Gross Block Reconciliation

Name of the Petitioner :NTPC Ltd

Name of the Generating Station : Barh-II

(Amount in Rs Lakh)

SI No	Particular	2019-20	2020-21
1	Closing Gross Block as per IND AS ( 4+2)	1052045.21	1055056.65
2	Add/Less: Adjustments *(break up given below) (a+b-c)	21017.02	3011.44
a	Add: Additions as per Note-2	9887.66	3966.09
b	Add: Additions as per Note-2 out of adjustment coloumn	14388.10	-304.76
c	Less: Decapitalisation as per Note-2 out of adjustment coloumn	3256.74	649.89
3	Closing Gross Block as per IGAAP	1066416.34	1069412.00
4	Opening Gross Block as per IND AS	1031028.19	1052045.21
5	Add/Less: IndAS Adjustments *(break up given below) (e-f-g-h+i+j)	-2,745.94	-15.79
e	Add: Vendor discounting out of assets in the year 2019-20	-895.01	0.00
f	Less: Unwinding expenses Capitalised during 2019-20	0.00	0.00
g	Less: IND AS Adj of Decapitalisation out of ROW 6 ( Mitigating the impact of carrying cost exemption to arrive )	281.33	-3.57
h	Less: Total addition in capital OH asset class (including adjustments also)	2539.52	19.36
i	Add: Decapitalisation of capital Overhauling during the year	969.91	0.00
j	Add/Less: Any other IND AS adjustment having impact on PPE (Specify each item)	0.00	0.00
6	Opening Gross Block as per IGAAP	1048145.27	1066416.34
7	Total Additions as per books (G = 3 - 6)	18271.07	2995.66
8	Less: Barh-I	3167.19	2099.35
9	Net Additions pertaining Barh-II (7-8)	15103.89	896.31
10	Less: Exclusions (items not allowable / not claimed)	8826.32	-1720.56
11	Net Additional Capital Expenditure Claimed (on accrual basis)	6277.56	2616.87
12	Less: Un-discharged Liabilities (as per IGAAP)	2,016.89	658.85
13	Add: Discharges of un-discharged liabilities, corresponding to admitted assets/works (as per IGAAP)	14026.15	3519.68
14	Net Additional Capital Expenditure Claimed (on cash basis) (11-12+13)	18286.83	5477.69



(Petitioner)

## Statement showing items/assets/works claimed under Exclusion

PART-I  
FORM-K  
Amount in Rs lakh

Name of the Petitioner	NTPC Ltd.
Name of the Generating Station	Barh Super Thermal Power Station Stage-II
Date of Station COD	08.03.2016
For Financial Year	2019-20

Sl. No.	Head of Work / Equipment	ACE Claimed under Exclusion						Justification
		Accrual basis as per Note 2	Ind AS Adj.	Accrual basis as per IGAAP	Undischarged Liability included in col. 3	Cash basis	IDC included in col. 3	
(1)	(2)	(3)	3A	3B = 3+3A	4	5 = (3B-4)	(6)	(7)

## Ind AS Adjustment

1	Overhauling							
1.1	Overhauling	1569.61	-1569.61	0.00	0.00	0.00	0.00	These adjustments are due to change in accounting practices. Therefore, kept under exclusion.
	Sub Total (1)	1569.61	-1569.61	0.00	0.00	0.00	0.00	
2	Interunit Transfer							As per practice, the Hon'ble Commission is not considering the Inter unit transfers for tariff, these are temporary nature type transfers, hence kept under exclusion.
2.1	To Baruni	-0.64	0.00	-0.64	0.00	-0.64	0.00	
2.2	To EOC	-1.22	-1.49	-2.71	0.00	-2.71	0.00	
2.3	To ERHQ	-3.45	-3.97	-7.42	0.00	-7.42	0.00	
2.4	To FSTPS	-1.34	-0.98	-2.32	0.00	-2.32	0.00	
2.5	To NKIPS	-0.64	0.00	-0.64	0.00	-0.64	0.00	
2.6	To TSTPS	-0.64	0.00	-0.64	0.00	-0.64	0.00	
2.7	To VSTPS	-0.80	-0.40	-1.20	0.00	-1.20	0.00	
	Sub Total (2)	-8.72	-6.84	-15.56	0.00	-15.56	0.00	
3	ERV Loan	9584.69	0.00	9584.69	0.00	9584.69	0.00	As per Tariff Regulations, 2019 foreign exchange liability due to ERV is to be filled directly to beneficiary, accordingly the same is kept under exclusion.
	Sub Total (3)	9584.69	0.00	9584.69	0.00	9584.69	0.00	
4	Minor Adjustment	-3.52	0.00	-3.52	0.00	-3.52	0.00	These are minor cost adjustments. Therefore, kept under exclusion.
5	Reversal of Liability							Since tariff on cash basis liability reversal is kept under exclusion.
5.1	Structural Steel Works	-6.74	0.00	-6.74	-6.74	0.00		
5.2	ESP	-312.38	0.00	-312.38	-312.38	0.00		
5.3	Generator Transformer	-420.17	0.00	-420.17	-420.17	0.00		
	Sub Total (5)	-739.29	0.00	-739.29	-739.29	0.00		
	Total Exclusion (A1 to A5)	10402.77	-1576.45	8826.32	-739.29	9565.62	0.00	

Note:

  
 (Petitioner)

## Statement showing items/assets/works claimed under Exclusion:

PART-I  
FORM-K  
Amount in Rs lakh

Name of the Petitioner	NTPC Ltd.
Name of the Generating Station	Bark Super Thermal Power Station Stage-II
Date of Station COD	08.03.2016
For Financial Year	2020-21

Sl. No.	Head of Work / Equipment	ACE Claimed under Exclusion						Justification	
		Accrual basis as per Note 2	Ind AS Adj.	Accrual basis as per IGAAP	Undischarged Liability included in col. 3	Cash basis	IDC included in col. 3		
(1)	(2)	(3)	2A	3B = 3+3A	4	3=(3B-4)	(6)	(7)	
<b>Ind AS Adjustment</b>									
1	Overhauling	19.36	-19.36	0.00	0.00	0.00	0.00	These adjustments are due to change in accounting practices. Therefore, kept under exclusion.	
	Sub Total (1)	19.36	-19.36	0.00	0.00	0.00	0.00		
2	Interest Transfer							As per practice, the Hon'ble Commission is not considering the line asset transfers for tariff, these are temporary nature type transfers, hence kept under exclusion.	
2.1									
2.2	EDF, WF machines and various equipment etc								
2.3									
	From EOC	0.13	0.40	0.53	0.40	0.53	0.00		
	From ERI HQ	3.82	0.00	3.82	0.00	3.82	0.00		
	To Baran	-0.64	0.00	-0.64	0.00	-0.64	0.00		
	Sub Total (2)	3.31	0.40	3.71	0.00	3.71	0.00		
3	ERV Loan	-1437.68	0.00	-1437.68	0.00	-1437.68	0.00	As per Tariff Regulations, 2019 foreign exchange liability due to ERV is to be billed directly to beneficiary, accordingly the same is kept under exclusion.	
	Sub Total (3)	-1437.68	0.00	-1437.68	0.00	-1437.68	0.00		
4	Minor Adjustment							These are minor cost adjustments. Therefore, kept under exclusion.	
4.1	Steam Generator Island & ESP	BHEL	-0.09	0.00	-0.09	0.00	-0.09		0.00
4.2	Air Condition & Ventilation System	C DOCTOR & COMPANY PVT LTD etc.	-0.23	0.00	-0.23	0.00	-0.23		0.00
4.3	Fire fighting System	UNITECH MACHINES LTD	-0.34	0.00	-0.34	0.00	-0.34		0.00
4.4	Township & Colony	(Ran Kripal singh)	-0.10	0.00	-0.10	0.00	-0.10		0.00
5	Reversal of Liability							Since tariff on cash basis liability reversal is kept under exclusion.	
5.1	Steam Generator		-180.04	0.00	-180.04	-180.04	0.00		0.00
5.2	Station Piping		-35.07	0.00	-35.07	-35.07	0.00		0.00
5.3	Asli Handling		-45.12	0.00	-45.12	-45.12	0.00		0.00
5.4	Coal Handling		-7.23	0.00	-7.23	-7.23	0.00		0.00
5.5	Electrical Eqt Supply & Erection		-18.38	0.00	-18.38	-18.38	0.00		0.00
	Sub Total (5)		-285.84	0.00	-285.84	-285.84	0.00	0.00	
	Total Exclusion (A1 to A5)		-1781.60	-18.96	-1720.56	-285.84	-1434.72	0.00	

Note:

  
 (Petitioner)

Name of the Petitioner  
Name of the Generating StationNTPC Ltd  
Barh Super Thermal Power Station Stage-IIStatement of Capital cost  
(To be given for relevant dates and year wise)

(Amount in Rs. Lakh)

S. No.	Particulars	2019-20			2020-21		
		Accrual Basis	Un-discharged Liabilities	Cash Basis	Accrual Basis	Un-discharged Liabilities	Cash Basis
A	a) Opening Gross Block Amount as per books	1022077.49	53741.96	968335.53	1037181.37	40993.40	996187.97
	b) Amount of IDC in A(a) above	208221.22	0.00	208221.22	208229.24	0.00	208229.24
	c) Amount of FC in A(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	d) Amount of FERV in A(a) above	51316.21	0.00	51316.21	60900.90	0.00	60900.90
	e) Amount of Hedging Cost in A(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	f) Amount of IEDC in A(a) above	66103.49	0.00	66103.49	66107.45	0.00	66107.45
B	a) Addition in Gross Block Amount during the period (Direct purchases)	10225.96	95.78	10130.18	370.34	80.65	289.71
	b) Amount of IDC in B(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	c) Amount of FC in B(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	d) Amount of FERV in B(a) above	9584.69	0.00	9584.69	-1437.68	0.00	-1437.68
	e) Amount of Hedging Cost in B(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	f) Amount of IEDC in B(a) above	0.00	0.00	0.00	0.00	0.00	0.00
C	a) Addition in Gross Block Amount during the period (Transferred from CWIP)	6631.12	1921.11	4710.02	1255.87	528.22	677.65
	b) Amount of IDC in C(a) above	8.01	0.00	8.01	0.00	0.00	0.00
	c) Amount of FC in C(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	d) Amount of FERV in C(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	e) Amount of Hedging Cost in C(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	f) Amount of IEDC in C(a) above	3.95	0.00	3.95	0.00	0.00	0.00
D	a) Deletion in Gross Block Amount during the period	1753.20	0.00	1753.20	729.91	0.00	729.91
	b) Amount of IDC in D(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	c) Amount of FC in D(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	d) Amount of FERV in D(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	e) Amount of Hedging Cost in D(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	f) Amount of IEDC in D(a) above	0.00	0.00	0.00	0.00	0.00	0.00
E	a) Closing Gross Block Amount as per books	1037181.37	40993.40	996187.97	1038077.68	37846.74	1000230.94
	b) Amount of IDC in E(a) above	208229.24	0.00	208229.24	208229.24	0.00	208229.24
	c) Amount of FC in E(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	d) Amount of FERV in E(a) above	60900.90	0.00	60900.90	59463.22	0.00	59463.22
	e) Amount of Hedging Cost in E(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	f) Amount of IEDC in E(a) above	66107.45	0.00	66107.45	66107.45	0.00	66107.45

Note:

1. Relevant date/s means date of COD of unit/s/station and financial year start date and end date.


  
(Petitioner)

Name of the Petitioner:  
Name of the Generating Station:NTPC Ltd  
Barh Super Thermal Power Station Stage-II

## Statement of Capital Works in Progress

(To be given for relevant dates and year wise)

(Amount in Rs. Lakh)

S. No.	Particulars	2019-20			2020-21		
		Accrual Basis	Un-discharged Liabilities	Cash Basis	Accrual Basis	Un-discharged Liabilities	Cash Basis
A	a) Opening CWIP as per books	7.11	0.00	7.11	271.02	159.67	111.35
	b) Amount of IDC in A(a) above	0.00	0.00	0.00	37.81	0.00	37.81
	c) Amount of FC in A(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	d) Amount of FERV in A(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	e) Amount of Hedging Cost in A(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	f) Amount of IEDC in A(a) above	0.00	0.00	0.00	0.00	0.00	0.00
B	a) Addition in CWIP during the period	6895.03	2080.77	4814.26	4933.43	3437.08	1496.35
	b) Amount of IDC in B(a) above	45.82	0.00	45.82	127.55	0.00	127.55
	c) Amount of FC in B(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	d) Amount of FERV in B(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	e) Amount of Hedging Cost in B(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	f) Amount of IEDC in B(a) above	3.95	0.00	3.95	0.00	0.00	0.00
C	a) Transferred to Gross Block Amount during the period	6631.12	1921.11	4710.02	1255.87	578.22	677.65
	b) Amount of IDC in C(a) above	8.01	0.00	8.01	0.00	0.00	0.00
	c) Amount of FC in C(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	d) Amount of FERV in C(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	e) Amount of Hedging Cost in C(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	f) Amount of IEDC in C(a) above	3.95	0.00	3.95	0.00	0.00	0.00
D	a) Deletion in CWIP during the period	0.00	0.00	0.00	0.00	0.00	0.00
	b) Amount of IDC in D(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	c) Amount of FC in D(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	d) Amount of FERV in D(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	e) Amount of Hedging Cost in D(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	f) Amount of IEDC in D(a) above	0.00	0.00	0.00	0.00	0.00	0.00
E	a) Closing CWIP as per books	271.02	159.67	111.35	3948.57	3018.53	930.04
	b) Amount of IDC in E(a) above	37.81	0.00	37.81	165.36	0.00	165.36
	c) Amount of FC in E(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	d) Amount of FERV in E(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	e) Amount of Hedging Cost in E(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	f) Amount of IEDC in E(a) above	0.00	0.00	0.00	0.00	0.00	0.00

## Note:

1. Relevant date/s means date of COD of unit/s/station and financial year start date and end date

*V. K. S. S.*

(Petitioner)

## Calculation of Interest on Normative Loan

Name of the Company : NTPC Limited  
Name of the Power Station : Barh Super Thermal Power Station Stage-II

S. No.	Particulars	(Amount in Rs Lakh)					
		Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7	8
1	Gross Normative loan – Opening	6,64,656.87	6,72,912.28	6,85,713.06	6,89,547.45	7,19,279.95	7,19,298.15
2	Cumulative repayment of Normative loan up to previous year	1,00,668.46	1,49,352.02	1,98,962.74	2,49,419.28	3,01,249.16	3,54,173.54
3	<b>Net Normative loan – Opening</b>	<b>5,63,988.42</b>	<b>5,23,560.26</b>	<b>4,86,750.33</b>	<b>4,40,128.16</b>	<b>4,18,030.79</b>	<b>3,65,124.61</b>
4	Less: Normative repayment of loan During the year	49298.02	49975.94	50594.97	51829.87	52924.38	53652.46
5	Add: Increase due to addition during the year / period	7552.85	4,221.27	1,755.52	29,732.50	18.20	19,772.20
6	Less: Decrease due to de-capitalisation during the year / period	-614.46	-1238.80	-384.91	0.00	0.00	0.00
7	Less: Decrease due to reversal during the year / period	0.00	0.00	0.00	0.00	0.00	0.00
8	Add: Increase due to discharges during the year / period	1317.02	9818.30	2463.77	0.00	0.00	0.00
9	Adj. Cumulative depreciation adjustment on account of de-capitalisation	614.46	365.23	138.42	0.00	0.00	0.00
10	<b>Net Normative loan - Closing</b>	<b>5,22,945.80</b>	<b>4,86,750.33</b>	<b>4,40,128.16</b>	<b>4,18,030.79</b>	<b>3,65,124.61</b>	<b>3,31,244.35</b>
11	<b>Average Normative loan</b>	<b>5,43,467.11</b>	<b>5,05,155.29</b>	<b>4,63,439.24</b>	<b>4,29,079.48</b>	<b>3,91,577.70</b>	<b>3,48,184.48</b>
12	Weighted average rate of interest	7.2487	6.4049	5.9471	5.6378	5.4595	5.3385
13	<b>Interest on Loan</b>	<b>39394.30</b>	<b>32354.70</b>	<b>27561.07</b>	<b>24190.55</b>	<b>21378.18</b>	<b>18587.70</b>



(Petitioner)



**Calculation of Interest on Working Capital**

Name of the Company :	NTPC Limited
Name of the Power Station :	Barh Super Thermal Power Station Stage-II

(Amount in Rs Lakh)

S. No.	Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7	8
1	Cost of Coal/Lignite	37,822.26	26311.57	33026.24	34055.72	34055.72	34055.72
2	Cost of Main Secondary Fuel Oil	367.44	432.26	444.04	396.35	396.35	397.44
3	Fuel Cost		-	-	-	-	-
4	Liquid Fuel Stock		-	-	-	-	-
5	O & M Expenses	2,516.52	2887.51	2826.25	2804.68	2844.69	2931.90
6	Maintenance Spares	6,039.65	6930.02	6783.01	6731.24	6827.26	7036.57
7	Receivables	70,468.91	46333.35	52011.99	52707.43	52704.17	52802.16
8	Total Working Capital	117214.78	82894.72	95091.54	96695.44	96828.20	97223.79
9	Rate of Interest	12.8000	12.0500	11.2500	10.5000	10.5000	12.0000
10	<b>Interest on Working Capital</b>	<b>15003.49</b>	<b>9988.81</b>	<b>10697.80</b>	<b>10153.02</b>	<b>10166.96</b>	<b>11666.86</b>



Petitioner

### Statement of Liability Flow

Name of the Petitioner		NTPC Ltd.								PART-J	
Name of the Generating Station		Barh Super Thermal Power Station Stage-II								FORM-S	
Date of Station COD		08.03.2016									
For Financial Year											

Sl. No.	Party	Asset/Work	Claimed /Allowed/Disallowed/ Not claimed	Year of actual capitalisation	Undischarged liabilities on 01.04.2019	Liability in additional capitalisation for 2019-20	Contractors ERV	Discharge during the year 2019-20		Total discharge	Undischarged liabilities as on 31.03.2019
								-By payment	-By reversal		

**A) For assets eligible for Normal RoE**

1	NBCC LTD	SITE LEVELLING-PLANT	Claimed	2015-16	-	-	-	-	-	-	-
2	MUNESHVAR NAVIN CONSTRUCTION	SITE LEVELLING-PLANT	Claimed	2015-16	-	-	-	-	-	-	-
3	HARI CONSTRUCTION & ASSOCIATE-D8-D3036	Approach Roads	Claimed	2015-16	-	-	-	-	-	-	-
4	RAJAN KUMAR	Approach Roads	Claimed	2015-16	53,098	-	-	-	-	-	-
5	VINAYAKA CONSTRUCTION	Ditch	Claimed	2015-16	27,841	-	-	-	-	-	53,098
6	VINAYAKA CONSTRUCTION	Helipads	Claimed	2015-16	4,41,893	-	-	-	-	-	27,841
7	PREM KUMAR	Boundary Wall	Claimed	2015-16	-	-	-	-	-	-	4,41,893
8	SHIVA ENGINEERING CO	Fencing	Claimed	2015-16	91,000	-	-	-	-	-	-
9	S & A CONSTRUCTION	Auxiliary Buildings	Claimed	2015-16	-	-	-	-	-	-	91,000
10	RAM NIWAS SINGH	Auxiliary Buildings	Claimed	2015-16	-	-	-	-	-	-	-
11	RVK CONSTRUCTION	Construction Power Supply	Claimed	2015-15	-	-	-	-	-	-	-
12	VINAYAKA CONSTRUCTION	Other Enabling Work	Claimed	2015-15	-	-	-	-	-	-	-
13	NAND LAL SINGH	Other Enabling Work	Claimed	2015-16	5,39,743	-	-	-	-	-	-
14	AHL. PRATAP SINGH	Other Enabling Work	Claimed	2015-16	2,02,491	-	-	5,39,743	-	5,39,743	-
15	HAGUE CONSTRUCTION	Other Enabling Work	Claimed	2015-16	24,806	-	-	-	-	-	2,02,491
16	HARI CONSTRUCTION & ASSOCIATE	Other Enabling Work	Claimed	2015-16	-	-	-	-	-	-	24,806
17	JAI KISHUN SINGH	Other Enabling Work	Claimed	2015-16	51,797	-	-	-	-	-	-
18	S R ELECTRICAL S	Other Enabling Work	Claimed	2015-16	5,638	-	-	-	-	-	51,797
19	SHUBHAM CONSTRUCTION	Other Enabling Work	Claimed	2015-16	5,000	-	-	-	-	-	5,638
20	SINGH BROTHERS	Roads, Bridges & Culverts	Claimed	2015-15	8,100	-	-	-	-	-	5,000
21	NBCC LTD	Internal Power Supply System	Claimed	2015-16	-	-	-	-	-	-	8,100
22	R K INDUSTRIES (UNIT OF COSMOS)	External Power Supply System	Claimed	2015-16	22,81,654	-	-	-	-	-	-
23	SURENDRA PRASAD	External Power Supply System	Claimed	2015-16	-	-	-	-	-	-	22,81,654
24	BUKHDAYAK CONSTRUCTION	Residential Building-Civil Work	Claimed	2015-16	46,899	-	-	-	-	-	-
25	A P BARIAR & SONS	Residential Building-Civil Work	Claimed	2015-16	-	-	-	-	-	-	46,899
26	KARANVEER SINGH YADAV	Residential Building-Civil Work	Claimed	2015-16	9,05,733	-	-	-	-	-	-
27	KARANVEER SINGH YADAV	Residential Building- Electric	Claimed	2015-16	1,78,495	-	-	-	-	-	9,05,733
28	VINAYAKA CONSTRUCTION	Service Building-Civil work	Claimed	2015-16	14,000	-	-	-	-	-	1,78,495
29	PRABHU NATH SINGH	Service Building-Civil work	Claimed	2015-16	-	-	-	-	-	-	14,000
30	PUNEET CONSTRUCTION	Service Building-Civil work	Claimed	2015-16	5,14,131	-	-	-	-	-	-
31	R D ENTERPRISES	Service Building-Inter Electrical	Claimed	2015-16	5,748	-	-	-	-	-	5,14,131
32	RITEZ LTD	RYL S/DWG WORKS-RITEZ	Claimed	2015-16	47,332	-	-	-	-	-	5,748
33	TECHNO ELECTRIC&ENGI	Fuel Storage tank	Claimed	2015-16	18,79,86,994	-	-	-	-	-	47,332
34	PRABHU NATH SINGH	Pipeline	Claimed	2015-16	-	-	-	3,54,97,173	-	3,54,97,173	-
35	VINAYAKA CONSTRUCTION	Pipeline	Claimed	2015-16	-	-	-	-	-	-	18,79,86,994
36	GANGOTRI ENTERPRISES LTD	Pipeline	Claimed	2015-16	20,30,816	-	-	-	-	-	-
37	HARI CONSTRUCTION & ASSOCIATES	Pipeline	Claimed	2015-16	2,19,79,193	-	-	-	-	-	20,30,816
38	KARANVEER SINGH YADAV ENTERPRISES	Pipeline	Claimed	2015-16	38,600	-	-	-	-	-	2,19,79,193
39	TECHNO SERVICES ENGINEERING	GW System-Equipments	Claimed	2015-16	22,76,854	-	-	-	-	-	38,600
40	DRIFLEX WATER ENGINEERING PVT LTD	DM Water-Turkey	Claimed	2015-16	-	-	-	-	-	-	22,76,854

*Vitendra*



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**Statement of Liability Flow**

Name of the Petitioner		NTPC Ltd.								PART-I	
Name of the Generating Station		Barh Super Thermal Power Station Stage-II								FORM-S	
Date of Station COD		08.03.2016									
For Financial Year											

Sl. No.	Party	Asset/Work	Claimed (Allowed/Disallowed/ Not claimed)	Year of actual capitalisation	Uncharged liabilities on 01.04.2018	Liability in additional capitalisation for 2015- 20	Contractors ERV	Discharge during the year 2015-16		Total discharge	Uncharged liabilities as on 31.03.2018
								-by payment	-by reversal		
85	YOKOGAWA INDIA LTD	Turbine Generator & Auxiliaries	Claimed	2015-16	-	-	-	-	-	-	-
86	ARB India Limited	Control & Instrumentation	Claimed	2015-16	-	-	-	-	-	-	-
87	ML CONTROLS LTD	Control & Instrumentation	Claimed	2015-16	3,29,60,586	-	13,34,509	37,64,848	37,64,848	-	-
88	ELECTRO MECHANICO PROJECTS PVT LTD	Control & Instrumentation	Claimed	2015-16	-	-	-	-	-	-	-
89	FORBES MARSHALL PVT LTD	Control & Instrumentation	Claimed	2015-16	2,47,234	-	-	-	-	37,64,848	3,05,60,246
90	SMT EXPORTS	Control & Instrumentation	Claimed	2015-16	-	-	-	2,47,234	-	2,47,234	-
91	ASSOCIATED ROAD CARRIERS LTD	Control & Instrumentation	Claimed	2015-16	-	-	-	-	-	-	-
92	OVERSEAS COMMERCIAL CORPORATION	Control & Instrumentation	Claimed	2015-16	-	-	-	-	-	-	-
93	POLYCAR WIRES PVT LTD	Instrumentation Cable	Claimed	2015-16	-	-	-	-	-	-	-
94	TRF LTD	Coal Handling - Turnkey	Claimed	2015-16	17,264	-	-	-	-	-	-
95	AAKAR INFRA ENGINEERS PVT LTD	Coal Handling - Turnkey	Claimed	2015-16	28,43,36,897	43,895	-	-	-	-	17,264
96	ANIRJODHA ROY	Coal Handling - Turnkey	Claimed	2015-16	8,83,677	-	-	7,02,14,035	-	7,02,14,035	21,47,66,517
97	A K CONSTRUCTION	Coal Handling - Turnkey	Claimed	2015-16	1,08,362	-	-	-	-	-	8,83,677
98	THE PRECISION PROCESSING EQUIPMENT	Coal Handling - Turnkey	Claimed	2015-16	-	-	-	1,08,362	-	1,08,362	-
99	GUJARAT PLUG IN DEVICES (P) LTD	Coal Handling - Turnkey	Claimed	2015-16	-	-	-	-	-	-	-
100	ELECON ENGINEERING CO LTD	Coal Handling - Turnkey	Claimed	2015-16	-	-	-	-	-	-	23,082
101	ELECTRO MECHANICO PROJECTS PVT LTD	Coal Handling - Turnkey	Claimed	2015-16	-	-	-	-	-	-	-
102	CBM MANUFACTURING PVT LTD	Coal Handling - Turnkey	Claimed	2015-16	-	-	-	-	-	-	-
103	M K ELECTRICAL WORKS	Coal Handling - Turnkey	Claimed	2015-16	57,559	-	-	-	-	-	-
104	DC INDUSTRIAL PLANT SERVICES	Ash Handling-Turnkey	Claimed	2015-16	92,830	-	-	57,559	-	57,559	-
105	EIP INSTRUMENTS PVT LTD	Ash Handling-Turnkey	Claimed	2015-16	6,500	-	-	-	-	-	92,830
106	ADARSH POWER CONSTRUCTION	Ash Handling-Turnkey	Claimed	2015-16	7,66,09,550	8,07,400	-	-	-	-	6,500
107	ASSOCIATED ROAD CARRIERS LTD	Ash Handling-Turnkey	Claimed	2015-16	39,984	-	-	2,73,28,730	-	1,73,28,730	6,04,08,312
108	BHOLA RAM STEELS PVT LTD	Ash Handling-Turnkey	Claimed	2015-16	-	-	-	-	-	-	39,984
109	HADQUE CONSTRUCTION	Ash Handling-Turnkey	Claimed	2015-16	-	-	-	-	-	-	-
110	KAKATI KARSHAK INDUSTRIES PVT LTD	Ash Handling-Turnkey	Claimed	2015-16	27,000	-	-	-	-	-	-
111	RESWELD AUTOMATION PVT LTD	Ash Handling-Turnkey	Claimed	2015-16	-	-	-	-	-	-	27,000
112	SHIVAJI INFRASTRUCTURES AND PROJECT	Ash Handling-Turnkey	Claimed	2015-16	17,745	-	-	-	-	-	-
113	TECHNO SERVICES ENGINEERING	Ash Handling-Turnkey	Claimed	2015-16	-	-	-	-	-	-	17,745
114	R CONSTRUCTION	Ash Water Recirculation System	Claimed	2015-16	29,418	-	-	-	-	-	-
115	WFL LTD	Ash Water Recirculation System	Claimed	2015-16	-	-	-	-	-	-	29,418
116	UNITECH MACHINES LTD	Ash Water Recirculation System	Claimed	2015-16	-	-	-	-	-	-	-
117	A BETA CONSTRUCTION	Ash Water Recirculation System	Claimed	2015-16	3,80,52,126	-	-	-	-	-	-
118	KARMEER SINGH YADAV ENTERPRISES	Ash Water Recirculation System	Claimed	2015-16	-	-	-	1,16,38,593	-	1,16,38,593	3,76,12,575
119	BAC EQUIPMENTS	Ash Water Recirculation System	Claimed	2015-16	2,70,784	-	-	-	-	-	-
120	A K CONSTRUCTION	Ash Water Recirculation System	Claimed	2015-16	-	-	-	-	-	-	2,70,784
121	BANKIM & COMPANY	Ash Water Recirculation System	Claimed	2015-16	97,852	-	-	-	-	-	-
122	MUKAND ENGINEERS LTD	Ash Water Recirculation System	Claimed	2015-16	3,82,872	-	-	-	-	-	97,852
123	WFL LTD	Ash Water Recirculation System	Claimed	2015-16	-	-	-	-	-	-	3,82,872
124	AGS VALVES PVT LTD	CW System-Equipments	Claimed	2015-16	-	-	-	-	-	-	-
125	ASSOCIATED ROAD CARRIERS LTD	CW System-Equipments	Claimed	2015-16	30,880	-	-	-	-	-	-
126	JAI MAHAVIR CONSTRUCTION	CW System-Equipments	Claimed	2015-16	-	-	-	-	-	-	30,880
127	B R ELECTRICALS	CW System-Equipments	Claimed	2015-16	18,615	-	-	-	-	-	-
128	Nagendra Construction Co Ltd	CW & Makeover System- Civil Work	Claimed	2015-16	47,172	-	-	-	-	-	18,615
			Claimed	2015-16	42,15,346	-	-	-	-	-	47,172
											42,15,346

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**Statement of Liability Flow**

Name of the Petitioner			
Name of the Generating Station	NTPC Ltd.		
Date of Station COD	Burb Super Thermal Power Station Stage-II		
For Financial Year	08.03.2016		<b>PART-I FORM-S</b>

Sl. No.	Party	Asset/Work	Claimed / Allowed / Disallowed / Not claimed	Year of actual capitalisation	Uncharged liabilities as on 31.03.2015	Liability in additional capitalisation for 2015-16	Contractors ERV	Discharge during the year 2015-16		Total discharge	Uncharged liabilities as on 31.03.2016
								-by payment	-by reversal		
173	ADOL WELDING LTD	MBOA - I									
174	Amalgamated Botech	MBOA - I	Claimed	2015-16		80,000					
175	ANAMICA ENGINEERING	MBOA - I	Claimed	2015-16		14,500					
176	APJ ENTERPRISES	MBOA - I	Claimed	2015-16		80,430					80,000
177	ASTRA COMMUNICATION	MBOA - I	Claimed	2015-16		1,08,000					90,490
178	AVESONIC AUDIO VISUAL PVT LTD	MBOA - I	Claimed	2015-16		23,819					1,08,000
179	ELECTRO THERAPY	MBOA - I	Claimed	2015-16		48,280					23,819
180	EMDGE ENGINEERS PVT LTD	MBOA - I	Claimed	2015-16		1,30,000					48,280
181	G S COMPUTEL PVT LTD	MBOA - I	Claimed	2015-16		19,410					1,30,000
182	Geetha & Boyan Mts Co Ltd	MBOA - I	Claimed	2015-16							19,410
183	Indra Marketers	MBOA - I	Claimed	2015-16		78,389					
184	INFOCARE	MBOA - I	Claimed	2015-16		33,809					78,389
185	MACNELL ENGINEERING LTD	MBOA - I	Claimed	2015-16		26,800					33,809
186	MECORD SYSTEMS & SERVICES PVT LTD	MBOA - I	Claimed	2015-16		82,921					26,800
187	PAN COMMUNICATIONS PVT LTD	MBOA - I	Claimed	2015-16		29,900					82,921
188	REPROGRAPHICS INDIA	MBOA - I	Claimed	2015-16		36,500					29,900
189	SINTEX INDUSTRIES LTD	MBOA - I	Claimed	2015-16		37,600					36,500
190	SINTEX INDUSTRIES LTD	MBOA - I	Claimed	2015-16		18,600					37,600
191	SUMESH PETROLEUM	MBOA - I	Claimed	2015-16		37,621					18,600
192	SUNRISE INDIA	MBOA - I	Claimed	2015-16		80,000					37,621
193	U D MARKETING PVT LTD	MBOA - I	Claimed	2015-16							80,000
194	WELD EXCEL INDIA LTD	MBOA - I	Claimed	2015-16							
195	TEREX EQUIPMENT PRIVATE LIMITED	MBOA - I	Claimed	2015-16		23,550					
196	FASTRACK ENTERPRISES	MBOA - I	Claimed	2015-16		58,500					23,550
197	ORBIT TECHNOLOGIES PVT LTD	MBOA - I	Claimed	2015-16		1,02,900					58,500
198	Geetha & Boyan Mts Co Ltd	MBOA - II	Claimed	2015-16							1,02,900
199	ALCHEMIE GASES & CHEMICALS PVT LTD	MBOA - I	Claimed	2015-16							
200	Thermo Fisher Scientific	MBOA - II	Claimed	2015-16							
201	USHA INSTRUMENTS CHEMICALS	MBOA - II	Claimed	2015-16		38,000					
202	Sony System & Commn	MBOA - II	Claimed	2015-16		21,450					38,000
203	CCS COMPUTERS PVT LTD	MBOA - II	Claimed	2015-16		5,001					21,450
204	D&H BECHERON ELECTRODES PVT LTD	MBOA - I	Claimed	2015-16							5,001
205	SHARMA FURNITURE HOUSE	MBOA - II	Claimed	2015-16							
206	FRANCIS KLEIN & CO PVT LTD	MBOA - II	Claimed	2015-16							
207	INDIS INDIA PVT LTD	MBOA - I	Claimed	2015-16							
208	FLURDELUS TECHNOLOGIES PVT LTD	MBOA - II	Claimed	2015-16							
209	AMB COMPUTER SOLUTIONS PVT LTD	MBOA - II	Claimed	2015-16							
210	MAVIN ACHIEVERS PVT LTD	MBOA - II	Claimed	2015-16							
211	ANML LTD	MBOA - II	Claimed	2015-16							
212	INSPIRA ENTERPRISE INDIA PVT LTD	MBOA - I	Claimed	2015-16							
213	JOSTS ENGINEERING	MBOA - II	Claimed	2015-16							
214	D&H BECHERON INDUSTRIES	MBOA - II	Claimed	2015-16		45,100					
215	ITI LTD	MBOA - I	Claimed	2015-16							45,100
216	GANESH FABRICATION WORKS	MBOA - I	Claimed	2015-16							

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## Statement of Liability Flow

Name of the Petitioner		NTPC Ltd.							
Name of the Generating Station		Roha Super Thermal Power Station Stage-II							
Date of Station COD		08.03.2016							
For Financial Year									PART-I FORM-S

Sl. No.	Party	Asset/Work	Claimed (Allowed/Disallowed/ Not claimed)	Year of actual capitalisation	Undischarged liabilities on 01.04.2019	Liability is additional capitalisation for 2019- 20	Contractors ERV	Discharge during the year 2019-20		Total discharge	Undischarged liabilities as on 31.03.2019
								-by payment	-by reversal		
217	ANAMGA ENGINEERING	MBOA - II									
218	BEM	MBOA - II	Claimed	2015-16	2,775	-	-	-	-	-	2,775
219	BLUE STAR LTD	MBOA - II	Claimed	2015-16		-	-	-	-	-	
220	DAS ELECTRONICS	MBOA - II	Claimed	2015-16		-	-	-	-	-	
221	DETECH DEVICES PVT LTD	MBOA - II	Claimed	2015-16		-	-	-	-	-	
222	Eureka Forbes Ltd	MBOA - II	Claimed	2015-16	32,500	-	-	-	-	-	32,500
223	GALAXY TELECOMMUNICATION	MBOA - II	Claimed	2015-16		-	-	-	-	-	
224	Graphline Computers (P) Ltd	MBOA - II	Claimed	2015-16	13,988	-	-	-	-	-	13,988
225	HYDROTEC SYSTEMS	MBOA - II	Claimed	2015-16	3,000	-	-	9,000	-	9,000	13,988
226	JAIN TRADING CO	MBOA - II	Claimed	2015-16	3,000	-	-	-	-	-	3,000
227	MACMILL ENGINEERING LTD	MBOA - II	Claimed	2015-16	26,500	-	-	-	-	-	26,500
228	MAC-WOODHINDIA	MBOA - II	Claimed	2015-16	1,26,400	-	-	-	-	-	1,26,400
229	MAHINDRA STELLER AUTO TRUCKS LTD	MBOA - II	Claimed	2015-16	18,000	-	-	-	-	-	1,26,400
230	METALLIC SYSTEMS & INTERIORS	MBOA - II	Claimed	2015-16	35,695	-	-	-	-	-	18,000
231	MEVCO ENGINEERS PVT LTD	MBOA - II	Claimed	2015-16	3,265	-	-	-	-	-	35,695
232	R.K SURGICAL ENTERPRISES	MBOA - II	Claimed	2015-16	78,000	-	-	-	-	-	78,000
233	SARTECH INTL	MBOA - II	Claimed	2015-16		-	-	78,000	-	78,000	
234	SIGMA SEARCH LIGHTS LTD	MBOA - II	Claimed	2015-16	3,20,000	-	-	-	-	-	3,20,000
235	SPHERE COM SERVICES PVT LTD	MBOA - II	Claimed	2015-16	76,122	-	-	-	-	-	76,122
236	SWASTIK AGRIC AGENCY	MBOA - II	Claimed	2015-16	17,093	-	-	-	-	-	17,093
237	SYNDICATE INDUSTRIAL SERVICES	MBOA - II	Claimed	2015-16	10,000	-	-	-	-	-	10,000
238	THE PIONEER SURGICAL WORKS	MBOA - II	Claimed	2015-16		-	-	-	-	-	
239	SUMANT KUMAR SINGH	Other Enabling Work	Claimed	2015-16		-	-	-	-	-	
240	MAACHAR PRASAD CONSTRUCTION	Other Enabling Work	Claimed	2015-16	74,317	-	-	-	-	-	74,317
241	BHARAT HEAVY ELECTRICALS	Steam Generator	Claimed	2015-16	12,938	-	-	-	-	-	12,938
242	BHARAT HEAVY ELECTRICALS LTD	Steam Generator	Claimed	2015-16	1,15,035	-	-	-	-	-	1,15,035
243	ANDERSON GREENWOOD CROSBY SANMAR	Steam Generator	Claimed	2015-16	4,30,272	-	-	1,15,035	-	1,15,035	4,30,272
244	Thermocast Rockwell India	Electrostatic Precipitator	Claimed	2015-16		-	-	-	-	-	
245	SUMESH PETROLEUM	Electrostatic Precipitator	Claimed	2015-16	1,33,488	-	-	-	-	-	1,33,488
246	INSTRUMENTATION LTD	Turbine Generator Auxiliaries	Claimed	2015-16		-	-	1,33,488	-	1,33,488	
247	MADEHI ENTERPRISES	Turbine Generator Auxiliaries	Claimed	2015-16	1,25,608	-	-	-	-	-	1,25,608
248	ENGINEERS & TRADERS	Turbine Generator Auxiliaries	Claimed	2015-16	63,203	-	-	-	-	-	63,203
249	AMBR CONVEYOR ROLLER INDUSTRIES	Coal Handling - Turkey	Claimed	2015-16		-	-	-	-	-	
250	NEVAL INDUSTRIES	Coal Handling - Turkey	Claimed	2015-16	10,465	-	-	-	-	-	10,465
251	BRIS INTERNATIONAL	Coal Handling - Turkey	Claimed	2015-16	1,56,853	-	-	-	-	-	1,56,853
252	P. R. CONSTRUCTION	Coal Handling - Turkey	Claimed	2015-16	8,16,016	-	-	-	-	-	8,16,016
253	FLUIDOMAT LTD	Coal Handling - Turkey	Claimed	2015-16		-	-	7,25,350	-	7,25,350	
254	RANCHI MACHINE TOOLS CORPORATION	Coal Handling - Turkey	Claimed	2015-16		-	-	-	-	-	
255	REGENT TRADING COMPANY	Coal Handling - Turkey	Claimed	2015-16		-	-	-	-	-	
256	SITA INDIA LIMITED	Coal Handling - Turkey	Claimed	2015-16		-	-	-	-	-	
257	PUNEET CONSTRUCTION	Water Pre-Treatment Plant	Claimed	2015-16	1,33,899	-	-	-	-	-	1,33,899
258	PUSHPANJALI CONSTRUCTION	Electrical Equip Supply & Erection	Claimed	2015-16		-	-	-	-	-	
259	PCI LTD	Generator Transformer	Claimed	2015-16	1,939	-	-	-	-	-	1,939
260	TOSHNIWAL ENTERPRISES	400/132 KV Switch yard Package	Claimed	2015-16	36,344	-	-	-	-	-	36,344

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**Statement of Liability Flow**

Name of the Petitioner			
Name of the Generating Station	NTFC Ltd.		
Date of Station COD	Barh Super Thermal Power Station Stage-II		
For Financial Year	08.03.2016		
			PART-J FORM-S

Sl. No.	Party	Asset/Work	Claimed /Allowed/Disallowed/ Not claimed	Year of actual capitalisation	Uncharged liabilities on 01.04.2019	Liability in additional capitalisation for 2019-20	Contractors (RV)	Discharge during the year 2019-20		Total discharge	Uncharged liabilities as on 31.03.2019
								-By payment	-By reversal		
303	BHARAT HEAVY ELECTRICALS LTD	Control & Instrumentation	Claimed	2019-20							
304	TIMKEN INDIA LTD	Steam Generator	Claimed	2019-20		3,71,079					
305	GE POWER INDIA LIMITED	Steam Generator	Claimed	2019-20		78,810					3,71,079
306	CONTROL COMPONENT INDIA PVT LTD	Control & Instrumentation	Claimed	2019-20		4,42,440					78,810
307	LEYBOLD INDIA PVT LTD	Turbine Generators/Auxiliaries	Claimed	2019-20		2,97,568					4,42,440
308	INDUSTRIAL TRADE LINKS	Turbine Generators/Auxiliaries	Claimed	2019-20		14,41,494					2,97,568
309	TECHNO SERVICES ENGINEERING	Water Ppt.Treatment Plant	Claimed	2019-20		2,26,175					14,41,494
310	BHARAT HEAVY ELECTRICALS LTD	CW System-Equipment	Claimed	2019-20		1,04,896					2,26,175
311	WPI, LTD	Water Ppt.Treatment Plant	Claimed	2019-20		8,21,000					1,04,896
312	GE OIL & GAS INDIA PRIVATE LIMITED	Steam Generator	Claimed	2019-20		49,042					8,21,000
313	BHARAT HEAVY ELECTRICALS LTD	Turbine Generators/Auxiliaries	Claimed	2019-20		99,50,000					49,042
314	RANCHI MACHINE TOOLS CORPORATION	Coal Handling - Turkey	Claimed	2019-20		19,33,048					99,50,000
315	M/S JOST'S ENGINEERING COMPANY LTD	CS/MBOA - II	Claimed	2019-20		73,56,575					19,33,048
316	CHINDALIA INDUSTRIAL PRODUCTS LTD	CS/MBOA - II	Claimed	2019-20		67,225					73,56,575
317	COTS & CO'S	CS/MBOA - II	Claimed	2019-20		54,752					67,225
318	GEMBUS HEAVY DUTY PRIVATE LIMITED	CS/MBOA - II	Claimed	2019-20		1,46,200					54,752
319	RUBY INTERNATIONAL INDIA	CS/MBOA - II	Claimed	2019-20		19,000					1,46,200
320	THERMO FISHER SCIENTIFIC PTE LTD	CS/MBOA - II	Claimed	2019-20		44,74,560					19,000
321	ASSOCIATED INDUSTRIES & TRADING	CS/MBOA - II	Claimed	2019-20		23,29,513					44,74,560
322	JOST'S ENGINEERING COMPANY LIMITED	CS/MBOA - II	Claimed	2019-20		20,000					23,29,513
323	WATERTECH INFORMATICS PVT LTD	CS/MBOA - II	Claimed	2019-20		1,82,697					20,000
324	MRAJ ELECTRICAL & MECHANICAL CO	CS/MBOA - II	Claimed	2019-20		10,30,882					1,82,697
325	QUALITY MACHINE TOOLS CORPN	CS/MBOA - II	Claimed	2019-20		5,04,008					10,30,882
326	CAJ CUTTA ELECTRIC MOTOR REWINDING	Coal Handling - Turkey	Claimed	2019-20		4,67,280					5,04,008
327	ABB India Ltd	CS/MBOA - II	Claimed	2020-21		3,75,808					4,67,280
328	BHARAT BULEE LIMITED	MBOA - II	Claimed	2020-21							3,75,808
329	JAMNATI MACHINERY PVT LTD	Coal Handling - Turkey	Claimed	2020-21							
330	BHARAT HEAVY ELECTRICALS LTD	CS/MBOA - II	Claimed	2020-21							
331	BHARAT HEAVY ELECTRICALS LTD	CS/MBOA - II	Claimed	2020-21							
332	CRIPLEX WATER ENGINEERING PVT LTD	CS/MBOA - II	Claimed	2020-21							
333	NAMDHARI INDUSTRIAL TRADERS	CS/MBOA - II	Claimed	2020-21							
334	OMEGA CONSTRUCTION EQUIPMENT	CS/MBOA - II	Claimed	2020-21							
335	APPLIED ENGINEERING SERVICES	CS/MBOA - II	Claimed	2020-21							
336	MILLENNIUM GLOBAL	CS/MBOA - II	Claimed	2020-21							
337	ELECTRO PLASMA EQUIPMENT PVT LTD	CS/MBOA - II	Claimed	2020-21							
338	TRF LTD	Coal Handling - Turkey	Claimed	2020-21							
339	ESCORTS LIMITED	CS/MBOA - II	Claimed	2020-21							
340	SHREE RADHEY KRISHNA ENTERPRISES	CS/MBOA - II	Claimed	2020-21							
341	EMERSON COMPUTERS	CS/MBOA - II	Claimed	2020-21							
342	DANDONG DONGFANG MEASUREMENT &	Coal Handling - Turkey	Claimed	2020-21							
343	G&S ELECTRIC LTD	Ash Water Recirculation System	Claimed	2020-21							
344	SIEMENS LTD	AUTOMATIC GENERATION CONTROL	Claimed	2020-21							

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Name of the Petitioner											PART-I FORM-S
Name of the Generating Station											
Date of Station COD											
For Financial Year											
											Amount in Rs
Sl. No.	Party	Asset/Work	Claimed /Allowed/Disallowed/ Not claimed	Year of actual capitalisation	Undischarged liabilities on 01.04.2020	Liability in additional capitalisation for 2020-21	Contractors ERV	Discharge during the year 2020-21		Total discharge	Undischarged liabilities as on 31.03.2021
								By payment	By reversal		
<b>A) For assets eligible for Normal RoE</b>											
1	NBCC LTD	SITE LEVELLING-PLANT	Claimed	2015-16	-	-	-	-	-	-	-
2	MUNESHWAR NAYAN CONSTRUCTION	SITE LEVELLING-PLANT	Claimed	2015-16	-	-	-	-	-	-	-
3	HARI CONSTRUCTION & ASSOCIATES-09-D3033	Approach Roads	Claimed	2015-16	-	-	-	-	-	-	-
4	RANJAN KUMAR	Approach Roads	Claimed	2015-16	53,058	-	-	-	-	-	-
5	VINAYAKA CONSTRUCTION	Drains	Claimed	2015-16	27,841	-	-	-	-	-	83,058
6	VINAYAKA CONSTRUCTION	Helpeds	Claimed	2015-16	4,41,565	-	-	-	-	-	27,841
7	PIEM KUMAR	Boundary Wall	Claimed	2015-16	-	-	-	2,20,632	-	2,20,632	2,20,632
8	SHIVA ENGINEERING CO	Fencing	Claimed	2015-16	81,000	-	-	-	-	-	81,000
9	S & A CONSTRUCTION	Auxiliary Buildings	Claimed	2015-16	-	-	-	-	-	-	-
10	RAM NIVAS SINGH	Auxiliary Buildings	Claimed	2015-16	-	-	-	-	-	-	81,000
11	RVK CONSTRUCTION	Construction Power Supply	Claimed	2015-16	-	-	-	-	-	-	-
12	VINAYAKA CONSTRUCTION	Other Enabling Work	Claimed	2015-16	-	-	-	-	-	-	-
13	NAND LAL SINGH	Other Enabling Work	Claimed	2015-16	-	-	-	-	-	-	-
14	ANIL PRATAP SINGH	Other Enabling Work	Claimed	2015-16	-	-	-	-	-	-	-
15	HAGUE CONSTRUCTION	Other Enabling Work	Claimed	2015-16	3,82,481	-	-	-	-	-	-
16	HARI CONSTRUCTION & ASSOCIATES	Other Enabling Work	Claimed	2015-16	24,808	-	-	-	-	-	2,82,481
17	JAI KISHAN SINGH	Other Enabling Work	Claimed	2015-16	-	-	-	-	-	-	24,808
18	S R ELECTRICALS	Other Enabling Work	Claimed	2015-16	51,757	-	-	-	-	-	-
19	SHUBHAM CONSTRUCTION	Other Enabling Work	Claimed	2015-16	9,638	-	-	-	-	-	51,757
20	SINGH BROTHERS	Other Enabling Work	Claimed	2015-16	5,000	-	-	-	-	-	9,638
21	NBCC LTD	Roads, Bridges & Culverts	Claimed	2015-16	5,100	-	-	-	-	-	5,000
22	R.K INDUSTRIES (UNIT OF COSMOS)	External Power Supply System	Claimed	2015-16	-	-	-	-	-	-	5,100
23	SURENDRA PRASAD	External Power Supply System	Claimed	2015-16	22,81,854	-	-	-	-	-	-
24	BUKHDAYAK CONSTRUCTION	Residential Building-Civil Work	Claimed	2015-16	-	-	-	-	-	-	22,81,854
25	A.P BARIAR & SONS	Residential Building-Civil Work	Claimed	2015-16	46,808	-	-	-	-	-	-
26	KARANVEER SINGH YADAV	Residential Building-Civil Work	Claimed	2015-16	-	-	-	-	-	-	46,808
27	KARANVEER SINGH YADAV	Residential Building-Civil Work	Claimed	2015-16	9,06,733	-	-	-	-	-	-
28	VINAYAKA CONSTRUCTION	Residential Bldg/Inter. Electric	Claimed	2015-16	1,78,485	-	-	-	-	-	9,06,733
29	PRABHU NATH SINGH	Service Building-Civil work	Claimed	2015-16	14,000	-	-	-	-	-	-
30	PUNJIT CONSTRUCTION	Service Building-Civil work	Claimed	2015-16	-	-	-	-	-	-	14,000
31	R.D ENTERPRISES	Service Building-Civil work	Claimed	2015-16	5,14,131	-	-	-	-	-	-
32	RITEZ LTD	Service Building-Inter Electric	Claimed	2015-16	5,748	-	-	-	-	-	5,14,131
33	TECHNO ELECTRIC&ENGI	R.Y SIDING WORKS-RITEZ	Claimed	2015-16	47,332	-	-	-	-	-	5,748
34	FRANZ NATH SINGH	Fuel Storage tank	Claimed	2015-16	14,04,89,821	-	-	-	-	-	47,332
35	VINAYAKA CONSTRUCTION	Pipeline	Claimed	2015-16	-	-	-	-	-	-	14,04,89,821
36	GANGOTRI ENTERPRISES LTD	Pipeline	Claimed	2015-16	-	-	-	-	-	-	-
37	HARI CONSTRUCTION & ASSOCIATES	Fencing	Claimed	2015-16	20,30,815	-	-	-	-	-	-
38	KARNVEER SINGH YADAV ENTERPRISES	Pipeline	Claimed	2015-16	2,19,70,163	-	-	-	-	-	20,30,815
39	TECHNO SERVICES ENGINEERING	CIV System Equipments	Claimed	2015-16	50,000	-	-	-	-	-	2,19,70,163
40	DRIPLEX WATER ENGINEERING PVT LTD	DM Water Turbine	Claimed	2015-16	22,78,694	-	-	-	-	-	50,000
											22,78,694

*Signature*



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For Financial Year											
NTPC Ltd.											
Barh Super Ther											
08.03.2016											
Sl. No.	Party	Asset/Work	Claimed /Allowed/Disallowed/ Not claimed	Year of actual capitalisation	Undischarged liabilities as on 01.04.2020	Liability in additional capitalisation for 2020-21	Contractors EHV	Discharge during the year 2020-21		Undischarged liabilities as on 01.04.2021	
								-By payment	-By reversal	Total discharge	
85	YOKOGAWA INDIA LTD	Turbine Regulators Auxiliary									
86	ABB India Limited	Control & Instrumentation	Claimed	2015-16							
87	MIL CONTROLS LTD	Control & Instrumentation	Claimed	2015-16							
88	ELECTRO MECHNICO PROJECTS PVT LTD	Control & Instrumentation	Claimed	2015-16	3,05,89,249		(4,43,406)	1,00,853		1,80,853	2,99,55,990
89	FORBES MARIBALL PVT LTD	Control & Instrumentation	Claimed	2015-16							
90	SMT EXPORTS	Control & Instrumentation	Claimed	2015-16							
91	ASSOCIATED ROAD CARRIERS LTD	Control & Instrumentation	Claimed	2015-16							
92	OVERSEAS COMMERCIAL CORPORATION	Control & Instrumentation	Claimed	2015-16							
93	POLYGAR WIRES PVT LTD	Control & Instrumentation	Claimed	2015-16							
94	TRE LTD	Instrumentation Cable	Claimed	2015-16	17,284						
95	AAKAR INFRA ENGINEERS PVT LTD	Coal Handling - Turnkey	Claimed	2015-16							
96	ANBUDDHA ROY	Coal Handling - Turnkey	Claimed	2015-16	21,41,06,517						17,284
97	A.K. CONSTRUCTION	Coal Handling - Turnkey	Claimed	2015-16	5,83,677			16,08,893	7,23,098	23,30,991	21,16,30,456
98	THE PRECISION PROCESSING EQUIPMENT	Coal Handling - Turnkey	Claimed	2015-16							5,83,677
99	GUJARAT PLUG IN DEVICES (P) LTD	Coal Handling - Turnkey	Claimed	2015-16	23,082						
100	ELECON ENGINEERING CO LTD	Coal Handling - Turnkey	Claimed	2015-16							23,082
101	ELECTRO MECHNICO PROJECTS PVT LTD	Coal Handling - Turnkey	Claimed	2015-16							
102	GEM MANUFACTURING PVT LTD	Coal Handling - Turnkey	Claimed	2015-16							
103	M.K. ELECTRICAL WORKS	Coal Handling - Turnkey	Claimed	2015-16							
104	DC INDUSTRIAL PLANT SERVICES	Coal Handling - Turnkey	Claimed	2015-16	32,930						
105	EP INSTRUMENTS PVT LTD	Ash Handling-Turnkey	Claimed	2015-16	6,500						32,930
106	ADARSH POWER CONSTRUCTION	Ash Handling-Turnkey	Claimed	2015-16	6,04,08,212	5,21,006					6,500
107	ASSOCIATED ROAD CARRIERS LTD	Ash Handling-Turnkey	Claimed	2015-16	38,984			31,78,185	45,11,915	76,89,700	5,32,40,300
108	BHOLA RAM STEELS PVT LTD	Ash Handling-Turnkey	Claimed	2015-16							38,984
109	HAQUE CONSTRUCTION	Ash Handling-Turnkey	Claimed	2015-16							
110	KAKATI KARSHAK INDUSTRIES PVT LTD	Ash Handling-Turnkey	Claimed	2015-16							
111	RESWILD AUTOMATION PVT LTD	Ash Handling-Turnkey	Claimed	2015-16	27,000						
112	RHINAUR INFRASTRUCTURES AND PROJECT	Ash Handling-Turnkey	Claimed	2015-16							27,000
113	TECHNO SERVICES ENGINEERING	Ash Handling-Turnkey	Claimed	2015-16	17,745						
114	R CONSTRUCTION	Ash Handling-Turnkey	Claimed	2015-16							17,745
115	WPL LTD	Ash Water Recirculation System	Claimed	2015-16	29,418						
116	UNITECH MACHINES LTD	Ash Water Recirculation System	Claimed	2015-16							29,418
117	AJERTA CONSTRUCTION	Ash Water Recirculation System	Claimed	2015-16							
118	KARNVEER SINGH YADAV ENTERPRISES	Ash Water Recirculation System	Claimed	2015-16	2,79,12,673	11,73,258		26,31,291		26,31,291	2,61,54,540
119	SAC EQUIPMENTS	Ash Water Recirculation System	Claimed	2015-16	2,79,794						
120	A.K. CONSTRUCTION	Ash Water Recirculation System	Claimed	2015-16							2,79,794
121	BANKIM & COMPANY	Ash Water Recirculation System	Claimed	2015-16							
122	MUKAND ENGINEERS LTD	Ash Water Recirculation System	Claimed	2015-16	97,652						
123	WPL LTD	Ash Water Recirculation System	Claimed	2015-16	3,82,872						97,652
124	AGS VALVES PVT LTD	CW System-Equipments	Claimed	2015-16							3,82,872
125	ASSOCIATED ROAD CARRIERS LTD	CW System-Equipments	Claimed	2015-16							
126	JAINMAHAVIR CONSTRUCTION	CW System-Equipments	Claimed	2015-16	30,880						
127	S.R. ELECTRICALS	CW System-Equipments	Claimed	2015-16							30,880
128	Magnus Construction Co Ltd	CW & Makeoverwater System - Civil Work	Claimed	2015-16	18,815						
			Claimed	2015-16	47,172						18,815
			Claimed	2015-16	42,15,349						47,172
											42,15,349

*Vitendra*

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For Financial Year												
											Amount in Rs	
Sl. No.	Party	Asset/Work	Claimed /Allowed/Disallowed/ Not claimed	Year of actual capitalisation	Undischarged liabilities as on 01.04.2020	Liability in additional capital section for 2020-21	Contractors E&V	Discharge during the year 2020-21		Undischarged liabilities as on 31.03.2020		
								By payment	By reversal	Total discharge		
129	Nepalase Construction Co Ltd	Makeup water system-Civil Work	Claimed	2015-16								
130	AJ ENGINEERS & CONTRACTORS	Makeup water system-Civil Work	Claimed	2015-16	1,10,46,648							
131	ERA INFRA ENGINEERING LIMITED	Makeup water system-Civil Work	Claimed	2015-16	11,718						1,10,48,845	
132	JAI MAHAVIR CONSTRUCTION	Makeup water system-Civil Work	Claimed	2015-16	4,41,000						11,718	
133	TRIVENI ENGINEERING & INDUSTRIES	Water Pre-Treatment Plant	Claimed	2015-16	49,682						4,41,000	
134	CAPITAL CONTROLS INDIA (P) LTD	Water Pre-Treatment Plant	Claimed	2015-16							49,682	
135	A K CONSTRUCTION	Water Pre-Treatment Plant	Claimed	2015-16	41,266							
136	BANKIM & COMPANY	Water Pre-Treatment Plant	Claimed	2015-16	5,467						41,266	
137	AJEEETA CONSTRUCTION	Water Pre-Treatment Plant	Claimed	2015-16							5,467	
138	MCNALLY BHARAT ENGG COMPANY	Water Pre-Treatment Plant	Claimed	2015-16	4,069							
139	SUJIT KUMAR SINGH	Water Pre-Treatment Plant	Claimed	2015-16	4,03,89,395			1,72,756		1,72,756	4,03,13,038	
140	TECHNO SERVICES ENGINEERING	Water Pre-Treatment Plant	Claimed	2015-16	3,957							
141	DRIPLEX WATER ENGINEERING PVT LTD	DM & Chemical treatment Plant	Claimed	2015-16							3,957	
142	UNITECH MACHINES LTD	DM & Chemical treatment Plant	Claimed	2015-16								
143	CSA ENTERPRISES	DM & Chemical treatment Plant	Claimed	2015-16								
144	BAHARPUR COOLING TOWERS LTD	Cooling Tower	Claimed	2015-16								
145	FORBES MARSHALL PVT LTD	Cooling Tower	Claimed	2015-16	13,82,81,173							
146	ASSOCIATED ROAD CARRIERS LTD	Cooling Tower	Claimed	2015-16							13,82,81,173	
147	SWAN ENVIRONMENTAL PVT LTD	Effluent Quality Management System	Claimed	2015-16								
148	M H INDUSTRIES	Station Piping	Claimed	2015-16								
149	UNITECH MACHINES LTD	Station Piping	Claimed	2015-16								
150	ASSOCIATED ROAD CARRIERS LTD	Station Piping	Claimed	2015-16	2,13,96,974			67,28,300	35,07,233	1,02,35,535	1,11,61,438	
151	UNITECH MACHINES LTD	Fire Detection & Protection System-Tank	Claimed	2015-16								
152	NGHM BOBAILTD	Fire Detection & Protection System-Tank	Claimed	2015-16	2,13,35,847							
153	ABB India Ltd	Air Conditioning	Claimed	2015-16	51,85,887		(1,25,402)				2,13,55,647	
154	KHOSKAR CHILLERS PVT LTD	Air Conditioning	Claimed	2015-16							50,61,480	
155	C DOCTOR & COMPANY PVT LTD	Ventilation	Claimed	2015-16								
156	C&S ELECTRIC LTD	Generator Bus Duct & MV Bus Ducts	Claimed	2015-16	53,39,772	60,000						
157	KANCHAR ELECTRICALS LTD	LT Outdoor Transformers	Claimed	2015-16							53,39,772	
158	BAC EQUIPMENTS	LT Outdoor Transformers	Claimed	2015-16								
159	MEGAWATT SWITCHGEAR P LIMITED	11 KV & 3.3 KV Switchgear	Claimed	2015-16								
160	HONEYWELL AUTOMATION INDIA LTD	11 KV & 3.3 KV Switchgear	Claimed	2015-16	3,690							
161	BHARAT HEAVY ELECTRICALS LTD	11 KV & 3.3 KV Switchgear	Claimed	2015-16							3,690	
162	C&S ELECTRIC LTD	LT Switchgear & LT Busduct	Claimed	2015-16								
163	ELECTRO MECHNCO PROJECTS PVT LTD	LT Switchgear & LT Busduct	Claimed	2015-16								
164	MASSTECH SWITCHGEARS PVT LTD	LT Switchgear & LT Busduct	Claimed	2015-16	5,500							
165	SIEMENS LTD	Electrical Equip Supply & Erection	Claimed	2015-16	9,44,000			9,44,000		9,44,000		
166	BHEL POWER SYSTEMS LTD	Electrical Equip Supply & Erection	Claimed	2015-16	3,48,23,321			3,28,971	18,35,212	21,67,183	3,27,96,738	
167	YOKOGAWA INDIA LTD	Electrical Equip Supply & Erection	Claimed	2015-16	1,85,859			1,18,000		1,18,000	67,859	
168	BHEL DELHI	Generator Transformer	Claimed	2015-16								
169	SIEMENS LTD	400*132 KV switch gear Package	Claimed	2015-16								
170	SCHNEIDER ELECTRIC INDIA PVT LTD	Networking	Claimed	2015-16								
171	TESTING INSTRUMENTS MANUFACTURING	MBOA - I	Claimed	2015-16	12,15,621							
172	ABRO TECHNOLOGIES PVT LTD	MBOA - I	Claimed	2015-16	9,684							

*Signature*

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For Financial Year											
										Amount in Rs.	
Sl. No.	Party	Asset/Work	Claimed (Allowed/Overallowed/ Not claimed)	Year of actual capitalisation	Undischarged liabilities on 31.03.2020	Liability in additional capitalisation for 2020-21	Contractors ERV	Discharge during the year 2020-21		Total discharge	Undischarged liabilities as on 31.03.2020
								By payment	By reversal		
173	ADOR WELDING LTD	MBOA - I	Claimed	2015-16							
174	Amalramated Biotech	MBOA - I	Claimed	2015-16	60,000						
175	ANAMGA ENGINEERING	MBOA - I	Claimed	2015-16	14,500						60,000
176	APJ ENTERPRISES	MBOA - I	Claimed	2015-16	60,432						14,500
177	ASTRA COMMUNICATION	MBOA - I	Claimed	2015-16	1,08,000						60,432
178	CINEBONIC AUDIO VISUAL PVT LTD	MBOA - I	Claimed	2015-16	23,810						1,08,000
179	ELECTRO THERAPY	MBOA - I	Claimed	2015-16	46,780						23,810
180	ENDEE ENGINEERS PVT LTD	MBOA - I	Claimed	2015-16	1,30,000						46,780
181	G S COMPUTEL PVT LTD	MBOA - I	Claimed	2015-16	19,410			1,30,000		1,30,000	
182	Godrej & Boyce Mfg. Co Ltd	MBOA - I	Claimed	2015-16							19,410
183	India Mithalina	MBOA - I	Claimed	2015-16	70,389						
184	INPOCARE	MBOA - I	Claimed	2015-16	33,609						70,389
185	MACNELL ENGINEERING LTD	MBOA - I	Claimed	2015-16	24,800						33,609
186	MECORD SYSTEMS & SERVICES PVT LTD	MBOA - I	Claimed	2015-16	82,821						24,800
187	PAN COMMUNICATIONS PVT LTD	MBOA - I	Claimed	2015-16	26,000						82,821
188	REPROGRAPHICS INDIA	MBOA - I	Claimed	2015-16	36,500						26,000
189	SINTEX INDUSTRIES LTD	MBOA - I	Claimed	2015-16	37,000						36,500
190	SINTOX INDUSTRIES LTD	MBOA - I	Claimed	2015-16	19,000						37,000
191	SUNFISH PETROLEUM	MBOA - I	Claimed	2015-16	37,821						19,000
192	SUNRISE INDIA	MBOA - I	Claimed	2015-16	50,000						37,821
193	U D MARKETING PVT LTD	MBOA - I	Claimed	2015-16							50,000
194	WELD EXCEL INDIA LTD	MBOA - I	Claimed	2015-16							
195	TEREX EQUIPMENT PRIVATE LIMITED	MBOA - II	Claimed	2015-16	23,550						
196	FASTRACK ENTERPRISES	MBOA - II	Claimed	2015-16	56,500						23,550
197	ORBIT TECHNOLOGIES PVT LTD	MBOA - II	Claimed	2015-16	1,02,800						56,500
198	Godrej & Boyce Mfg Co Ltd	MBOA - II	Claimed	2015-16							1,02,800
199	ALCHEMIE GASES & CHEMICALS PVT LTD	MBOA - II	Claimed	2015-16							
200	Thermo Fisher Scientific	MBOA - II	Claimed	2015-16							
201	USHA INSTRUMENTS/CHEMICALS	MBOA - II	Claimed	2015-16	39,000						
202	Suez System & Common	MBOA - I	Claimed	2015-16	21,450						39,000
203	CCS COMPUTERS PVT LTD	MBOA - II	Claimed	2015-16	5,001						21,450
204	D&H BECHERON ELECTRODES PVT LTD	MBOA - II	Claimed	2015-16							5,001
205	SHARMA FURNITURE HOUSE	MBOA - II	Claimed	2015-16							
206	FRANCIS KLEIN & CO PVT LTD	MBOA - I	Claimed	2015-16							
207	NUJS INDIA PVT LTD	MBOA - II	Claimed	2015-16							
208	FLEURDELS TECHNOLOGIES PVT LTD	MBOA - II	Claimed	2015-16							
209	ANI COMPUTER SOLUTIONS PVT LTD	MBOA - II	Claimed	2015-16							
210	MAVIN ADHESIVES PVT LTD	MBOA - II	Claimed	2015-16							
211	ARIL LTD	MBOA - II	Claimed	2015-16							
212	INSPIRA ENTERPRISE INDIA PVT LTD	MBOA - I	Claimed	2015-16							
213	JOETS ENGINEERING	MBOA - II	Claimed	2015-16							
214	D&H BECHERON INDUSTRIES	MBOA - II	Claimed	2015-16	45,100						
215	ITIL LTD	MBOA - II	Claimed	2015-16				25,000		25,000	45,100
216	GANESH FABRICATION WORKS	MBOA - I	Claimed	2015-16							

*Vijendra*

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Amount in Rs											
Sl. No.	Party	Asset/Work	Claimed /Allowed/Disallowed/ Not claimed	Year of actual capitalisation	Undischarged liabilities as on 01.04.2020	Liability in additional capitalisation for 2020-21	Contractor ERV	Discharge during the year:		Total discharge	Undischarged liabilities as on 31.03.2020
								2020-21			
								by payment	by reversal		
217	ANAMICA ENGINEERING	MBOA - II	Claimed	2015-16							
218	BEML	MBOA - II	Claimed	2015-16	2,775						
219	BLUE STAR LTD	MBOA - II	Claimed	2015-16	-						3,775
220	DAS ELECTRONICS	MBOA - II	Claimed	2015-16	-						
221	DETECH DEVICES PVT LTD	MBOA - II	Claimed	2015-16	-						
222	Eureka Forbes Ltd	MBOA - II	Claimed	2015-18	32,500						
223	GALAXY TELECOMMUNICATION	MBOA - I	Claimed	2015-16	-						32,500
224	Greenline Computers (P) Ltd	MBOA - I	Claimed	2015-16	13,989						
225	HYDROTEC SYSTEMS	MBOA - I	Claimed	2015-18	-						13,989
226	JAIN TRADING CO	MBOA - II	Claimed	2015-16	3,000						
227	MACNELL ENGINEERING LTD	MBOA - II	Claimed	2015-16	26,500						3,000
228	MAC WOODWINDIA	MBOA - II	Claimed	2015-16	1,29,400						26,500
229	MAHINDRA STILLER AUTO TRUCKS LTD	MBOA - II	Claimed	2015-16	18,000						1,29,400
230	METALLIC SYSTEMS & INTERIORS	MBOA - I	Claimed	2015-16	35,695						18,000
231	NEVCO ENGINEERS PVT LTD	MBOA - II	Claimed	2015-18	3,265						35,695
232	R K SURGICAL ENTERPRISES	MBOA - II	Claimed	2015-18	-						3,265
233	BARTOCH INTL	MBOA - II	Claimed	2015-18	-						
234	SIGMA SEARCH LIGHTS LTD	MBOA - I	Claimed	2015-16	3,20,000						
235	SPHERE COM SERVICES PVT LTD	MBOA - I	Claimed	2015-18	76,122			3,20,000		3,20,000	
236	SWASTIK AGRO AGENCY	MBOA - I	Claimed	2015-18	17,083						76,122
237	SYNDICATE INDUSTRIAL SERVICES	MBOA - II	Claimed	2015-16	10,000						17,083
238	THE PIONEER SURGICAL WORKS	MBOA - II	Claimed	2015-16	-						10,000
239	SUMANT KUMAR SINGH	Other Enabling Work	Claimed	2015-16	-						
240	MAVCHAR PRASAD CONSTRUCTION	Other Enabling Work	Claimed	2015-16	74,317						
241	BHARAT HEAVY ELECTRICALS	Steam Generator	Claimed	2015-16	12,838						74,317
242	BHARAT HEAVY ELECTRICALS LTD	Steam Generator	Claimed	2015-18	-						12,838
243	ANDERSON GREENWOOD GROSSBY BANMAR	Steam Generator	Claimed	2015-16	4,30,272						
244	Thermocore Rockwell India	Electrostatic Precipitator	Claimed	2015-16	-			4,30,272		4,30,272	
245	SUMESH PETROLEUM	Electrostatic Precipitator	Claimed	2015-16	-						
246	INSTRUMENTATION LTD	Turbine Generator & Auxiliaries	Claimed	2015-16	-						
247	BADEHI ENTERPRISES	Turbine Generator & Auxiliaries	Claimed	2015-16	1,25,609						
248	ENGINEERS & TRADERS	Turbine Generator & Auxiliaries	Claimed	2015-16	63,203						1,25,609
249	AMAR CONVEYOR ROLLER INDUSTRIES	Coal Handling - Turnkey	Claimed	2015-16	-						63,203
250	NEWALL INDUSTRIES	Coal Handling - Turnkey	Claimed	2015-16	10,465						
251	SRS INTERNATIONAL	Coal Handling - Turnkey	Claimed	2015-18	1,55,853						10,465
252	P R CONSTRUCTION	Coal Handling - Turnkey	Claimed	2015-16	90,668						1,55,853
253	FLUIDOMAT LTD	Coal Handling - Turnkey	Claimed	2015-16	-						90,668
254	RANCHI MACHINE TOOL CORPORATION	Coal Handling - Turnkey	Claimed	2015-16	-						
255	REGENT TRACING COMPANY	Coal Handling - Turnkey	Claimed	2015-16	-						
256	SITA INDIA LIMITED	Coal Handling - Turnkey	Claimed	2015-16	-						
257	PUNEET CONSTRUCTION	Water Pre-Treatment Plant	Claimed	2015-16	1,33,899						
258	PUSPANJALI CONSTRUCTION	Electrical Plant Supply & Erection	Claimed	2015-16	-						1,33,899
259	PCL LTD	Generator Transformer	Claimed	2015-18	1,838						
260	TOSHNIWAL ENTERPRISES	400V 32 KV Switch yard Paddock	Claimed	2015-16	38,344						1,838
											38,344

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Sl. No.	Party	Asset/Work	Claimed (Allowed/Disallowed/ Not claimed)	Year of actual capitalisation	Undischarged liabilities on 01.04.2020	Liability in additional capitalisation for 2020- 21	Contractors CRV	Discharge during the year 2020-21		Total discharge	Undischarged liabilities as on 01.04.2020
								-by payment	-by reversal		
261	INVAS TECHNOLOGIES PVT LTD	MBOA - II									
262	TEXTILE MACHINERY MFG CO	MBOA - II	Claimed	2015-16	72,486						
263	EBK INDIA COMMERCE AND TRADE	MBOA - II	Claimed	2015-16							72,486
264	COTS & COTE	MBOA - II	Claimed	2015-16	1,11,782						
265	MILLENNIUM IMPLEX PVT LTD	Turbine Generator & Auxiliaries	Claimed	2015-16	1,21,851						1,11,782
266	Aakar Engineers & Contractors	Coal Handling - Turnkey	Claimed	2015-16	82,058			1,21,851		1,21,851	
267	J J ENGINEERING PVT LTD	MBOA - II	Claimed	2015-16	10,90,739						82,058
268	INVENTA CLEANTEC PVT LTD	MBOA - II	Claimed	2015-16	92,400						10,90,739
269	TRITONIC EQUIPMENT PVT LTD	MBOA - II	Claimed	2015-16	3,050						92,400
270	U D MARKETING PVT LTD	MBOA - II	Claimed	2015-16	90,754			200		200	2,880
271	Brosko Instrument India Pvt Ltd	MBOA - II	Claimed	2015-16							90,754
272	HARISON PUMPS PVT LTD	MBOA - II	Claimed	2015-16	17,578						
273	RUSSELL TECHNOLOGIES INDIA	MBOA - II	Claimed	2015-16	7,584						17,578
274	DARLING PUMPS PVT LTD	MBOA - II	Claimed	2015-16	5,968						7,584
275	DCPS	Ash Handling-Turnkey	Claimed	2015-16	5,18,896						6,988
276	SURAT GOODS TRANSPORT PVT LTD	Ash Handling-Turnkey	Claimed	2015-16	1,37,970			5,18,896		5,18,896	
277	BRAY CONTROLS INDIA PVT LTD	Turbine Generator & Auxiliaries	Claimed	2015-16	11,400						1,37,970
278	RANCHI MACHINE TOOLS CORPORATION	Ash Handling-Turnkey	Claimed	2015-16	43,898						11,400
279	MANOHAR PRASAD CONSTRUCTION	Turbine Generator & Auxiliaries	Claimed	2015-16	27,314						43,898
280	HYDROGEN AUXILIARIES PVT LTD	CW & Makeuperator System- Coal Wash	Claimed	2015-16	48,264						27,314
281	Larsen & Toubro Ltd	Turbine Generator & Auxiliaries	Claimed	2015-16	12,650						48,264
282	MONITORING TECHNOLOGIES	LT Switchgear & LT Busduct	Claimed	2015-16							12,650
283	JOSTE ENGINEERING	MBOA - II	Claimed	2015-16							
284	CONTROL COMPONENT INDIA PVT LTD	Electrical Equip Supply & Erection	Claimed	2015-16	2,00,000						
285	BOISCH RESEARCH INDIA LTD	Control & Instrumentation	Claimed	2015-16	1,52,000						2,00,000
286	JAY HIND CONSTRUCTION	Coal Handling - Turnkey	Claimed	2015-16							1,52,000
287	SAPS POWER EQUIPMENTS PVT LTD	Electrical Equip Supply & Erection	Claimed	2015-16							
288	UNIQUE POWER TECH ENGINEERING	Coal Handling - Turnkey	Claimed	2015-16	6,71,559						
289	BALVKA INDUSTRIAL EQUIPMENTS	Main Plant Buildings	Claimed	2015-16							6,71,559
290	EAST INDIA TRANSPORT AGENCY	MBOA - II	Claimed	2015-16	3,13,338						
291	HAYWARD TYLER LIMITED	Ash Handling-Turnkey	Claimed	2015-16							3,13,338
292	LAXMI HYDRAULICS PVT LTD	Steam Generator	Claimed	2015-16	2,64,284						
293	KRM ML CONTROL LIMITED	Steam Generator	Claimed	2015-16	4,27,11,704						2,64,284
294	ARHANT INTERNATIONAL	Steam Generator	Claimed	2015-16	49,500			3,50,67,679	76,23,839	4,27,11,518	106
295	MANOHAR PRASAD CONSTRUCTION	Steam Generator	Claimed	2015-16	1,90,393						49,500
296	ACTION CONSTRUCTION EQUIPMENT	Fire Detection & Protection System-Turnkey	Claimed	2015-16	73,597						1,90,393
297	R&R	MBOA - II	Claimed	2015-16	3,000						73,597
298	HIGHGROUND ENERGY PVT LTD	Free Hold Land	Claimed	2015-16							3,000
299	CHANDAN AUTO MOBILES	Roof Top Solar Photovoltaic system	Claimed	2019-20	2,54,757,006						
300	ATLAS COPCO INDIA LTD	MBOA - II	Claimed	2019-20	1,85,000			1,65,74,846		1,65,74,846	21,78,83,280
301	MILLENNIUM IMPLEX PVT LTD	Turbine Generator & Auxiliaries	Claimed	2019-20	2,82,000					2,82,000	1,85,000
302	ETA INDIA LIMITED	CW System Equipments	Claimed	2019-20	57,154					4,60,796	
			Claimed	2019-20	11,100						57,154
											11,100

*Sitendra*

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Name of the Petitioner										PART-I	
Name of the Generating Station										FORM-5	
Date of Station COD											
For Financial Year											
										Amount in Rs	
Sl. No.	Party	Asset/Work	Claimed /Allowed/Equalized/ Not claimed	Year of actual capitalisation	Undischarged liabilities as on 01.04.2020	Liab. by in additional capitalisation for 2020-21	Contractors EBV	Discharge during the year 2020-21		Undischarged liabilities as on 31.03.2020	
								by payment	by reversal	Total discharge	
303	BHARAT HEAVY ELECTRICALS LTD.	Control & Instrumentation	Claimed	2019-20							
304	JIMKEN INDIA LTD	Steam Generator	Claimed	2019-20	3,71,079						
305	GE POWER INDIA LIMITED	Steam Generator	Claimed	2019-20	78,818						3,71,079
306	CONTROL COMPONENT INDIA PVT LTD	Control & Instrumentation	Claimed	2019-20	4,42,446			78,818		78,818	
307	LEYBOLD INDIA PVT LTD	Turbine Generator& Auxiliaries	Claimed	2019-20	2,97,588						4,42,446
308	INDUSTRIAL TRADE LINKS	Turbine Generator& Auxiliaries	Claimed	2019-20	14,41,494						2,97,588
309	TECHNO SERVICES ENGINEERING	Water Pre-Treatment Plant	Claimed	2019-20	2,26,175			14,41,494		14,41,494	
310	BHARAT HEAVY ELECTRICALS LTD	CW System, Equipments	Claimed	2019-20	1,04,898			1,03,702		1,03,702	
311	WPL LTD	Water Pre-Treatment Plant	Claimed	2019-20	8,21,000			1,04,898		1,04,898	
312	GE OIL & GAS INDIA PRIVATE LIMITED	Reem Generator	Claimed	2019-20	49,042						8,21,000
313	BHARAT HEAVY ELECTRICALS LTD	Turbine Generator& Auxiliaries	Claimed	2019-20	99,50,000			49,042		49,042	
314	RANCHI MACHINE TOOLS CORPORATION	Coal Handling - Turkey	Claimed	2019-20	19,33,848				99,50,000	99,50,000	
315	M/S JOIST'S ENGINEERING COMPANY LTD	CS/MBOA - II	Claimed	2019-20	73,56,575			19,33,848		19,33,848	
316	CHINDALIA INDUSTRIAL PRODUCTS LTD	CS/MBOA - II	Claimed	2019-20	67,225			73,56,575		73,56,575	
317	COTS & COTS	CS/MBOA - II	Claimed	2019-20	54,752						67,225
318	GENUS HEAVY DUTY PRIVATE LIMITED	CS/MBOA - II	Claimed	2019-20	1,46,200			54,752		54,752	
319	RUIY INTERNATIONAL INDIA	CS/MBOA - II	Claimed	2019-20	19,000						1,46,200
320	THERMO FISHER SCIENTIFIC PTE LTD	CS/MBOA - II	Claimed	2019-20	44,74,560						19,000
321	ASSOCIATED INDUSTRIES & TRADING	CS/MBOA - II	Claimed	2019-20	33,28,573			44,74,560		44,74,560	
322	JOIST'S ENGINEERING COMPANY LIMITED	CS/MBOA - II	Claimed	2019-20	20,000						33,28,573
323	WIZERTECH INFORMATICS PVT LTD	CS/MBOA - II	Claimed	2019-20	1,82,887						20,000
324	MRAJ ELECTRICAL & MECHANICAL CO	CS/MBOA - II	Claimed	2019-20	10,30,893			1,82,887		1,82,887	
325	QUALITY MACHINE TOOLS CORPN.	CS/MBOA - II	Claimed	2019-20	5,04,008			10,30,893		10,30,893	
326	DALCUTTA ELECTRIC MOTOR REWINDING	Coal Handling - Turkey	Claimed	2019-20	4,87,280			5,04,008		5,04,008	
327	AMB India Lte	CS/MBOA - II	Claimed	2020-21	3,75,606			3,88,080		3,88,080	
328	BHARAT BUJEE LIMITED	MBOA - I	Claimed	2020-21	-	8,92,026		2,29,788		2,29,788	78,200
329	JAMNADI MACHINERY PVT LTD	Coal Handling - Turkey	Claimed	2020-21	-	7,34,857					1,46,820
330	BHARAT HEAVY ELECTRICALS LTD	CS/MBOA - II	Claimed	2020-21	-	11,20,410					8,92,026
331	BHARAT HEAVY ELECTRICALS LTD	CS/MBOA - II	Claimed	2020-21	-	23,68,788					7,34,857
332	DRIFLEX WATER ENGINEERING PVT LTD	CS/MBOA - II	Claimed	2020-21	-	1,90,207					11,20,410
333	NANDHARI INDUSTRIAL TRADERS	CS/MBOA - II	Claimed	2020-21	-	90,000					23,68,788
334	OMEGA CONSTRUCTION EQUIPMENT	CS/MBOA - II	Claimed	2020-21	-	2,52,343					1,90,207
335	APPLIED ENGINEERING SERVICES	CS/MBOA - II	Claimed	2020-21	-	1,08,556					90,000
336	MILLENNIUM GLOBAL	CS/MBOA - II	Claimed	2020-21	-	1,59,180					2,52,343
337	ELECTRO PLAZMA EQUIPMENT PVT LTD	CS/MBOA - II	Claimed	2020-21	-	24,63,179					1,08,556
338	TRF LTD	Coal Handling - Turkey	Claimed	2020-21	-	3,68,180					1,59,180
339	ESCORTS LIMITED	CS/MBOA - II	Claimed	2020-21	-	60,02,600					24,63,179
340	SHREE RADHEY KRISHNA ENTERPRISES	CS/MBOA - II	Claimed	2020-21	-	1,86,970					3,68,180
341	EMARSON COMPUTERS	CS/MBOA - II	Claimed	2020-21	-	38,136					60,02,600
342	DANDONG CONCP/ANO MEASUREMENT &	Coal Handling - Turkey	Claimed	2020-21	-	2,83,033					1,86,970
343	C&S ELECTRIC LTD	Act Water Recirculation System	Claimed	2020-21	-	79,10,747					38,136
344	SIEMENS LTD	AUTOMATIC GENERATION CONTROL	Claimed	2020-21	-	34,00,267					79,10,747
						4,71,949					34,00,267
											4,71,949

*Vitendra*

Name of the Petitioner											
Name of the Generating Station											
Date of Station COD											
For Financial Year											
										Amount in Rs.	
Sl. No.	Party	Asset/Work	Claimed / Allowed / Disallowed / Not claimed	Year of actual capitalisation	Undischarged liabilities as on 01.04.2020	Liability in additional capitalisation for 2020-21	Contractors ERV	Discharge during the year 2020-21		Undischarged liabilities as on 31.03.2020	
								by payment	by reversal	Total discharge	
		<b>Total Liability claimed / allowed items (A)</b>			4,09,93,40,403	2,87,24,389	3,71,60,972	35,19,67,617	2,85,84,138	38,05,51,756	3,78,46,74,009
		<b>Total Liability Disallowed / Not Claimed items (B)</b>									
		<b>Total Liability (A+B)</b>			4,09,93,40,403	2,87,24,389	3,71,60,972	35,19,67,617	2,85,84,138	38,05,51,756	3,78,46,74,009

*Vijendra*

**Summary of issue involved in the Petition**

Name of the Company :		NTPC Limited
Name of the Power Station :		Barh Super Thermal Power Station Stage-II
1	Petitioner:	NTPC Limited
2	Subject	Tariff petition for 2019-24
3	Prayer:	<p>i) Approve tariff of Barh Super Thermal Power Station Stage-II for the tariff period 01.04.2019 to 31.03.2024.</p> <p>ii) Allow the recovery of filing fees as &amp; when paid to the Hon'ble Commission and publication expenses from the beneficiaries.</p> <p>iii) Allow billing and recovery of levies, taxes, duties, SLDC/RLDC charges, service tax etc. levied by the various authorities on Petitioner in accordance with law additionally from the beneficiaries.</p> <p>iii) Allow Relaxation in Heat Rate.</p> <p>iv) Allow Capital expenditure towards Railway Infrastructure.</p> <p>v) Pass any other order as it may deem fit in the circumstances mentioned above.</p>
4	Respondents	
Name of Respondents		
	a. North Bihar Power Distribution Company Ltd	d. Power Department Govt. of Sikkim
	b. South Bihar Power Distribution Company Ltd	e. Tamil Nadu Generation & Distribution Corporation Ltd.
	c. Jharkhand Bijlee Vitran Nigam Ltd	
5	Project Scope	
	Cost	
	Commissioning	
	Claim	
	AFC	
	Capital cost	
	Initial spare	
	NAPAF (Gen)	
	Any Specific	

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## 508017/2022/OPERATION AND MONITORING SECTION

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सं 22-303/1/2022-ओ एम

भारत सरकार / Government of India

विद्युत मंत्रालय / Ministry of Power

Shram Shakti Bhawan, Rali Marg, New Delhi-110 001

२२

Dated 28 March, 2022

To  
The Chairperson, Central Electricity Authority,  
Sewa Bhawan, R. K. Puram, New Delhi-110066

Subject Re-allocation of 554.67 MW Power to Government of Tamil Nadu from the power surrendered by various beneficiaries from NTPC power stations and NLC India Limited -regarding

Sir,

Keeping in view the power surrendered by Jharkhand, Sikkim, Manipur, Meghalaya, Tripura, DVC, Odisha, West Bengal and the willingness of Government of Tamil Nadu to purchase power, it has been decided to re-allocate 554.67 MW Power to Tamil Nadu from the Power Stations of NTPC and NLC India Limited given below along with the quantum as indicated in the table below:

S. No.	Power Station	Quantum of Power required in MW	Surrendered by	Period
1	Barh-II	97.00	80 MW surrendered by Jharkhand 17 MW surrendered by Sikkim	up to 5 years with immediate effect based on the availability of ATC.
2	Barh-I	80.00	67.33 MW surrendered by Jharkhand 12.67 surrendered by Sikkim	
3	Bongaigaon	140.40	31.4 MW surrendered by Manipur 56 MW surrendered by Tripura 53 MW surrendered by Meghalaya	
2	KBUNL-II (Subsidiary)	88.00	12.09 MW surrendered by Jharkhand 10 MW surrendered by DVC 30 MW surrendered by Odisha 34 MW surrendered by West Bengal 2 MW surrendered by Sikkim	
	NLC TS-II (Stage-I and II)	149.27	Telangana	
	<b>Total</b>	<b>554.67</b>		

2. In case some unit(s) in the above mentioned plant(s) is/are under shutdown at present, the share equivalent to that unit shall not be considered as reallocated to Tamil Nadu as the State needs power to meet its urgent requirement.

Contd....2/-

508017/2022/OPERATION AND MONITORING SECTION

No. 22-303/1/2022-OM

Dated 28 March, 2022

-2-

3. The beneficiary is required to sign/extent PPA and enters into commercial arrangements/maintain LC with the allocated power.
4. CFA is requested to get the allocation implemented under intimation to all concerned with immediate effect based on the availability of ATC.

Yours faithfully,

(Raja Ramaswamy)

Under Secretary to Govt of India  
Email:opmonitor-power@nic.in

Copy to :-

1. Chief Engineer (GM), Central Electricity Authority, R.K. Puram, New Delhi-110066
2. CMD, TANGEDCO, 144 Anna Salai, Chennai-600002
3. Member Secretary, ERPC, 14, Golf Club Road, Tollygunje, Kolkata-700033
4. Member Secretary, Western Regional Power Committee (WRPC), F-3, MIDC Area, Marol, Opp. SEEPZ, Central Road, Andheri (East), Mumbai-400093
5. Member Secretary, Northern Regional Power Committee (NRPC), Qutab Institutional Area, Katwaria Sarai, New Delhi-110016
6. Member Secretary, Southern Regional Power Committee (SRPC), No.-29 Race Course Cross Road, Bangalore-560009
7. Member Secretary, NERPC, NERPC Complex, Dong Parmaw, Lapalang, Shillong (Meghalaya)-793006
8. ED (Commercial), NTPC Limited, Core-3, Floor-7, 7 Institutional Area, Lodhi Road, New Delhi-110003

*Vitendra*

## ANNEXURE — A1

बं. 22-303/1/2022-ओ एम  
 भारत सरकार / Government of India  
 विद्युत मंत्रालय / Ministry of Power

Shram Shakti Bhawan, Rafi Marg  
 New Delhi Dated: 1<sup>st</sup> November, 2022

To  
 The Chairperson,  
 Central Electricity Authority,  
 Sewa Bhawan, R.K. Puram,  
 New Delhi-110066

**Subject:- Re-allocation of 554.67 MW Power to Government of Tamilnadu from the power surrendered by various beneficiaries from NTPC stations and NLC India Ltd- --reg.**

Sir,

In partial modification to this office's earlier allocation order of even no. dated 28.03.2022 (copy attached) on the subject mentioned above, and based on the request made by Tamil Nadu vide its letter dated 29.09.2022 (copy attached), it has been decided to modify the period of re-allocation of four Stations i.e. Barh-I, Barh-II, KBUNL (Subsidiary) and Bongaigaon as detailed below:

S. No.	Power Station	Quantum of Power required in MW	Surrendered by	Revised Period
1.	Barh-II	97.00	80 MW surrendered by Jharkhand 17 MW surrendered by Sikkim	30.03.2022-29.03.2024
2.	Barh-I	80.00	67.33 MW surrendered by Jharkhand 12.67 surrendered by Sikkim	30.03.2022-29.03.2024
3.	Bongaigaon	140.40	31.4 MW surrendered by Manipur 56 MW surrendered by Tripura 53 MW surrendered by Meghalaya	03.04.2022-02.06.2023
2.	KBUNL-II (Subsidiary)	88.00	12.09 MW surrendered by Jharkhand 10 MW surrendered by DVC 30 MW surrendered by Odisha 34 MW surrendered by West Bengal 2 MW surrendered by Sikkim	30.03.2022-29.05.2023
	NLC TS-II (Stage-I and II)	149.27	Telangana	up to 5 years from as mentioned in the earlier allocation order dated 28.03.2022
<b>Total</b>		<b>554.67</b>		

Contd/- next page.

*Vitendero*

2. The beneficiary is required to sign/extent PPA and enters into commercial arrangements/maintain LC with the allocated power.

Yours faithfully,



(Hausuanthang Guite)  
Under Secretary to Govt. of India  
Telefax: 23062492  
Email: opmonitor-power@nic.in

Copy to :-

1. Chief Engineer (GM), Central Electricity Authority, R.K. Puram, New Delhi-110066
2. CMD, TANGEDCO, 144 Anna Salai, Chennai-600002
3. Member Secretary, ERPC, 14, Golf Club Road, Tollygunje Kolkata-700033
4. Member Secretary, Western Regional Power Committee (WRPC), F-3, MIDC Area, Marol. Opp. SEEPZ, Central Road, Andheri (East), Mumbai-400093
5. Member Secretary, Northern Regional Power Committee (NRPC), Qutab Institutional Area, Katwaria Sarai, New Delhi-110016
6. Member Secretary, Southern Regional Power Committee (SRPC), No.29 Race Course Cross Road, Bangalore-560009
7. Member Secretary, NERPC, NERPC Complex, Dong Parmaw, Lapalang, Shillong (Meghalaya)-793006
8. ED (Commercial), NTPC Limited, Core-3, Floor-7, 7, Institutional Area, Lodhi Road, New Delhi-110003





**TAMILNADU GENERATION AND DISTRIBUTION CORPORATION LIMITED**

From  
B.RAJESWARI, B.Com., FCMA,  
Chief Financial Controller / Regulatory Cell  
7<sup>th</sup> Floor, Western Wing  
144, Anna Salai,  
Chennai 600 002

To  
The Under Secretary,  
Ministry of Power,  
Shram Shakthi Bhavan,  
Rafi Marg,  
New Delhi, **email** : opmonitor-power@nlc.in

Lr. No: CFC/ RC/ SE/ CERC/ E2/ AEE/ F Addl Power/ D 237/ 22, dt:24.09.22

Sir,

Sub: TANGEDCO- Re-allocation of 554.67 MW Power to Government of Tamil Nadu from the power surrendered by various beneficiaries from NTPC power stations and NLC India Limited – Time period of PPA – Reg.

- Ref: 1. MoP reallocation notification No. 22-303/1/2022 OM dt: 28.03.2022  
2. This office letter No: CFC/ RC/ SE/ CERC/ E2/ AEE/ F Addl Power/ D 230/ 22, dt: 21.09.22

In continuation to the above, the time period for procurement of additional power by TANGEDCO from the following NTPC Stations may be revised as below:

Sl. No.	Station Name	Time period in months from the date of scheduling of power	Date of start of scheduling	Date of ending required for this additional allocation
1	BARH-I	24	30.03.2022	29.03.2024
2	BARH-II	24	30.03.2022	29.03.2024
3	KBUNL (Subsidiary)	14	30.03.2022	29.05.2023
4	Bongaigaon	14	03.04.2022	02.06.2023

Hence it is requested that necessary orders shall be issued for the time period as mentioned above for the additional power from NTPC. Kind action is solicited as PPAs need to be signed with M/s. NTPC.

Thanking you,

Yours sincerely,

*B. Rajeswari*  
24/09/2022  
CFC/ Regulatory Cell

*Vitendra*

them from the station. There is no instance that due to any lack in station capability the station could not supply the power requisitioned by beneficiaries. It is thus submitted that neither the beneficiaries nor the grid operation as such has ever been adversely affected by this unit not generating at MCR during trial run.

It is humbly submitted that NTPC has substantially complied the purpose and objective of demonstrating the performance of the generating unit for a period of 72 hours and it was never the intention of the Petitioner to violate the Regulations of Hon'ble Commission in this regard. It is submitted that Petitioner proceeded interpreting the Regulations in a broader manner for declaring Unit-IV COD in the context of its rationale/ objective provided in the Statement of Reasons (SOR) that the generating station or Unit is capable of reliably operating at normative levels.

In view of above it is prayed that Hon'ble Commission may treat the delay in COD due to revision in COD of Unit-IV as per Hon'ble Commission order dtd 20.09.2017 as Force Majeure event beyond the control of petitioner and condone the additional delay of 16 months in COD of Unit-IV from 15.11.2014 to 08.03.2016.

- 16) It is submitted that the petitioner submitted the reasons for time overrun in declaring COD of Unit-V vide affidavit dated 08.09.2016. The same are detailed below for ready reference:

i) **Non Availability of Aggregate and Coarse Chips:**

It is submitted that in Barh STPS, there is only one supplier of aggregate. All civil contractors and progress of civil works were dependent on this supplier for supply of aggregate of required quality and quantum. In spite of this limitation, the civil foundation works for Unit-V could be finished before time and NTPC could start the boiler/ turbine erection of Unit-V before schedule. However, in Feb 2010 Govt. of Bihar banned mining from stone quarry to protect the environment (Bihar Minor Mineral Concession

(Amendment) rules 2010, letter from the agency and news article are attached at **Annexure-D** in this regard). This decision of the Govt. of Bihar coincided with the timing of construction of Cooling Towers, Chimney, Makeup Water Pump House (MWPH) and other Civil Works which were in full swing. These activities consume huge quantities of aggregate and coarse chips of various sizes. Moreover, there was huge demand for coarse chips as there were massive infrastructure works such as construction of National Highways etc going on at peak in and around Barh. Finding no alternatives, the civil agencies had to look for sourcing the aggregate from bordering state of Jharkhand. This took more time and cost as firm supplier had to be tied up by the agencies and the stone chips had to be transported over longer distance by additional 50 kms (i.e. from Koderma in place of Sheikhpura and Nawada).

In view of the above, it is submitted that there was sudden and large shortage of the aggregate of required quantity, strength and size in Barh Stage-II, which affected the progress of construction of Cooling Towers, MWPH etc. Approximately **60 days** were lost in the activity.

**ii) Socio-Economic Culture and Law and Order Situation of Bihar:**

It is submitted that socio economic culture of Bihar state is quite different from other states in the country. There is marginal industrial presence in the state. The area surrounding the Barh project is intensive agricultural land and densely populated. The site is typically located adjacent to river Ganges and the embankment of approach road leading to Rajendera Bridge over river Ganges, Barauni. The said area is popularly known as Taal area. The Taal area not being easily accessible, law and order situation is not conducive in the surrounding areas. Due to this typical situation, the project execution for NTPC was a herculean task. The NTPC employees and agencies working in the site had to constantly face law and order problems such as extortion, threats from anti-social elements. There have been

number of law and order incidents during execution of the project. Due to such incidents the work flow was often obstructed and in some cases totally stopped by the agencies. This caused delays in execution of the project due to Industrial relation problems arising out of incidents of extortion, threats, etc. It is submitted that effectively about **90 days** were lost in such incidents related to law and order problems. In this regard few newspaper clippings and letter from the agency as sample are attached and collectively marked as **Annexure-E**.

**iii) Heavy Rainfall in the Barh area:**

It is submitted that there was abnormal heavy rainfall at Barh Site during the 2011 monsoon period (i.e. June 2011 to Sept 2011). Due to this unprecedented heavy rainfall, especially in the month of August 2011 (334 mm) and September 2011 (343 mm); the boiler erection activity of Unit-V which was otherwise in full swing, was severely hampered. Being very near to Ganga river, the water table at the site is very high. Therefore even after the rainfall, it took several days for water/ clay soil to dry up sufficiently and make possible for the heavy machinery like hydra, crawler cranes etc to move and transfer/lift the heavy equipments/ structure. This abnormal heavy rainfall delayed the erection of boiler water cycle pipings/ panels and subsequently the boiler commissioning by **60 days**. (Rainfall data from IMD is attached at **Annexure-F**).

**iv) Geological Surprise and Delay in Construction of Intake Well at Make up Water Pump House:**

Makeup Water Pump House (MWPH) for the station is situated outside the plant boundary, approx. 2kms from the Barh Power Station. It is submitted that the work of MWPH was awarded to NCC Ltd. on Feb 2010. The MWPH includes a construction of intake well of about 80 mtrs depth and installation of vertical pumps in River Ganges to supply make up water to Barh station. The intake well construction was being done by well-sinking

method. However, during the process of sinking, various geological surprises were encountered like abrupt change in the earth strata which slowed down the sinking speed of the well drastically.

It is to be further submitted here that due to geological surprise of change in course or meandering of the river Ganga away from the location identified for Intake well / barge pumps, dredging of the river was carried out by NTPC and Inland Waterways Authority of India (IWAI) to bring back the river near Intake well which also took some time. (Copy of Memorandum of Understanding signed with IWAI is attached at **Annexure-G** for ready reference).

Moreover, the construction of intake well as well as associated bank protection work was delayed due to frequent stoppage/ hindrances of work from local villagers. It is submitted that local villagers time and again obstructed the progress of Bank Protection work in MWPH area in the name of land compensation. NTPC had paid total compensation corresponding to the total land acquired for the project and NTPC had not defaulted on payments of land compensation at a rate as decided by the district authorities. However, some of the villagers claiming to be the owners of land, regularly troubled the implementing agencies in the name of land compensation. This resulted in substantial delay in completing the civil works associated with the intake well and bank protection work which was beyond reasonable control of NTPC (letter from NCC Ltd. is attached at **Annexure-H**)

It is submitted that the Barh Stage-II Unit-V was in advanced stage of commissioning and was ready to proceed for trial operation. However non availability of intake well due to geological surprise and disturbances by local people posed a serious problem. NTPC followed the contingency arrangement as done in case of Unit-IV so that the Barh Unit -V may not be

stranded for want of makeup water. NTPC further installed barge mounted pumps directly into the river and made available the makeup water needed for commissioning of Unit-V and to continue reliable operation of the Unit-IV which was already under commercial operation supplying power to the beneficiaries.

It is submitted that it took some time for dredging and to make arrangements for fabrication of the barge and installation of pumps at site. This delayed the Unit by approximately **180 days**. It is further submitted that unit achieved sustained operation by this arrangement.

v) **Unique Problem of Multiple Weld Joints Failures and Rolled Beam of Boiler Structure:**

The Petitioner vide affidavit dated 23.07.2015 has submitted that during the process of commissioning of Unit-IV, Boiler was faced with typical repetitive failures of weld joints. This was primarily due the fact that Barh STPS (Stage-II) is the first super critical 660 MW boiler indigenously manufactured and supplied by BHEL, in technological collaboration with ALSTOM. A wide range of alloy steels such as T12, T22, T23 & T91 have been used in manufacturing of pressure part components to meet the technical requirement of super critical boiler operating with domestic coal having high ash content. Among all the different grades of alloy steel used, T23 material is relatively new. It is submitted that the T23 material for boiler tubes has high temperature creep resistance and was deployed by the boiler manufacturer to meet the technical requirement of super critical boilers operating with domestic coal having high ash content. This material was also cleared by the statutory authority in India viz. Central Boiler Board (CBB) and had been used in Sipat Stage - I 660 MW Boilers. M/s Doosan designed boiler has tubes in Reheater and Superheater coils with T23 material but not in the roof panels. In case of Barh, this T23 material has been used in roof panels also and typical multiple failure of weld joints

problem were faced due to specific locations of field weld on these finned panels and associated Post Weld Heat Treatment (PWHT).

It is reiterated that during erection of these panels in Unit-IV and Unit-V carried out the welding & post weld heat treatment process as prescribed by the supplier/ manufacturer. However during the commissioning of Unit-IV, these tube weld joints have shown peculiar behavior of cracking, which was found when boiler was cooled down after operation at rated temperatures and pressure. This has been a surprise to the OEM i.e. M/s ALSTOM. The situation has been further aggravated due to increase in number of T23 joints because of insertion of spool pieces for repair of each of the failed joints resulting in increase in the number of T23 weld joints as a cascading effect.

Due to this typical problem the established PWHT procedures were reviewed to find a solution to this unprecedented problem. Welding procedure/ PWHT procedures were reviewed and revised many times after many discussions/ deliberations between NTPC, BHEL & ALSTOM to overcome the weld joint failures/ tube leakage problems. In this regard, correspondence and minutes of various meetings held for reviewing/ revising the weld procedure (WPS) is attached at **Annexure-I**. By following the revised procedure of welding and PWHT, Unit-IV boiler operation on sustained basis was achieved in July 2014.

It is submitted that these panels for Unit-V boilers were already erected and field weld joints as per prescribed procedures were done. Based on the experience of Unit-IV, NTPC ensured advance and proactive action in Unit-V. After the successful and positive results of revised welding and PWHT procedures carried out in Unit-IV, NTPC ensured that parallel hardness tests/ investigations for defective weld joints shall be carried out in Unit-V so as to reduce further time overrun. Based on the visual inspection and hardness tests of joints, it was decided to cut 760 joints and

redo the joints with spool pieces. Repair of T23 joints as per the revised procedure of welding and PWHT could only be completed in October 2014 leading to time overrun of **three and half (3.5) months** over which NTPC has no reasonable control. However due to the proactive steps taken by NTPC based on the experience of Unit-IV, further time overrun of approximately 05 months was avoided.

The Petitioner also carried out the replacement of 370 nos washers supporting the boiler water wall system on to the Rolled Beams (RB). This was done based on the Unit-IV observations, where 05 nos RB were found bent after boiler operation in the month of August 2014 due to uneven distribution of loading caused by improper sizing of the plate washers used for the suspension mounting on I-section of RB. The petitioner took proactive parallel measures to replace the old load bearing washers (370 nos) with newly redesigned and resized washers in Unit-V during September 2014-November 2014. This took about two months for replacing the load bearing resized washers one by one. This led to a time overrun of **two (02) months** over which NTPC has no reasonable control. MoMs held with BHEL on 20.08.2014 and 27.08.2014 is attached at **Annexure -J** in this regard.

It is submitted that thereafter the Petitioner proceeded for steam blowing and decided to go for trial operation of the Unit-V and subsequently declare the COD of Unit-V. During the course of operation of Unit-V, the water wall tubes of Unit-V showed this unique problem of repetitive weld joint failures. The matter was immediately taken up with OEM. Accordingly, welding and PWHT procedures were reviewed and revised after number of discussions/ deliberations and were finalized after lot of deliberation of technical experts by 27.03.15. Extensive physical survey and various tests of the weld joints were carried out to identify the defective weld joints and it was decided to carry out PWHT of about 10684 joints and to repair 110



joints as per the revised procedures set by the OEM. Accordingly, resources were mobilized and the repair and PWHT of joints were carried out under adverse situation of heavy rainfall and inaccessible location of joints which took more time than normal.

As per recommendations and revised procedures, after the repair and PWHT, cyclic hydro test with 3 to 4 cycles was carried out to identify the weak joints and repair thereof. However, while load raising after synchronization of unit, multiple BTLs were encountered due to rise in thermal stress which were repaired as and when encountered. The Unit could be stabilized in the month of Jan 2016 and successful trial operation could be carried out in the month of Feb 2016 and subsequently unit was declared COD w.e.f. 18.02.2016. The rectification of multiple tube failures of water wall took almost **eleven (11) months**. In this regard MoM and correspondences with OEM is attached at **Annexure-K**.

Based on the above submissions, it is submitted that repair of multiple repetitive failures of weld joints of boiler and replacement of load bearing washers of boiler took some time and delayed the COD declaration by about **17 months** over which NTPC had no reasonable control.

- 17) It is submitted that based on the above details of time overrun in case of Unit-V and details of reasons of time overrun w.r.t. Unit-IV (attached as **Annexure - C** in the instant petition) provided earlier vide affidavit dated 23.07.2015, the factors leading to delay in declaration of station COD may be further summarized into controllable and uncontrollable factors as shown in the following table:



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Sl. No	Reason for Delays	Duration of delay (Months)		Agency/Factors	Controllable/Un-controllable
		Unit-IV	Unit-V		
1	Non availability of Aggregate	02	02	<b>Change in Law :</b> Notification by Govt. of Bihar for stoppage of stone quarry	Uncontrollable
2	Socio-Economic Culture and Law and Order Situation of Bihar	03	03	<b>Force-Majeure :</b> Due to law and order problem of the area, beyond reasonable control of NTPC	Uncontrollable
3	Abnormal Heavy Rain Fall	02	02	<b>Force-Majeure :</b> Beyond reasonable control of NTPC	Uncontrollable
4	Rerouting of Power Cycle Piping	02	-	<b>Force-Majeure :</b> Being first 660 MW unit supplied by BHEL	Uncontrollable
5	Delay in construction of Intake Well at Makeup water pump house	06	06	<b>Force-Majeure :</b> Hindrances of work by local people; Geological surprises; meandering away by river Ganga	Uncontrollable
6	Unique problem of Multiple repetitive failures of T-23 weld joints	05**	3.5	<b>Force-Majeure :</b> Being first 660 MW units supplied by BHEL and certain super critical tube materials used for first time by OEM, beyond reasonable control of NTPC	Uncontrollable
	Unique problem of Multiple repetitive failures of Water Wall Tube Weld joints	-	8.5**		Uncontrollable
7	Bending of Rolled Beam Boiler structure:	02	02	<b>Force-Majeure :</b> Being first 660 MW units supplied by BHEL, beyond reasonable control of NTPC.	Uncontrollable
<b>ADDITIONAL DELAY</b>					
8	Revision of COD date of Unit-IV as per Hon'ble commission order dtd 20.09.2017 in Pet No 130/MP/2015	16	-	<b>Force-Majeure :</b> Being the first unit declared under commercial operation by NTPC under the changed	Uncontrollable

				Trial run definition in Tariff Regulations, 2014
	<b>Total</b>	<b>38</b>	<b>27</b>	

\*\* Note: Total delay was for more months. However the period of delay excluded due to overlapping and starting of boiler erection activities ahead of schedule

In spite of all these delays, which couldn't be foreseen earlier and were beyond reasonable control of the Petitioner, NTPC assiduously put all out efforts and by utilizing its project execution tools and experience could reduce the total delay significantly and could successfully declare the COD of the station w.e.f 00:00 hrs of 18.02.2016 (Revised to 08.03.2016). It is respectfully submitted that, in view of the detailed submissions and summarized table above, various factors leading to declaration of COD of the station were beyond reasonable control of NTPC, Hon'ble Commission may be pleased to consider the same and may please condone the delay accordingly. PERT diagrams indicating factors for time overrun w.r.t. Unit-IV and Unit-V are attached and collectively marked as **Annexure-L**.

- 18) Without prejudice to above submissions, it is humbly prayed that Hon'ble Commission may be pleased to condone the delay in declaring the Unit-IV and Unit-V COD under Regulation 54: "Power to Relax". It is further submitted that as explained above, there was no imprudence on part of NTPC in selecting a renowned indigenous manufacturer BHEL as the Main Plant contractor and the experience gained by NTPC and BHEL during execution of this project has enriched the total power sector as a whole and is a fit case for relaxation of Regulation 12 read with Regulation 9 (2) under "Power to Relax" clause (Regulation 54) and Hon'ble Commission may be pleased to allow the capital cost of Rs.9271.75 Cr (cash basis) as per Form-1(i) as on COD of Unit-IV, claimed in the instant petition.
- 19) It is submitted that the Barh STPS Stage-II was originally envisaged as an extension project of Barh STPS Stage - I (3X660 MW) and therefore the systems/ facilities required for generation at Stage-II units were designed

15/सं०-04-401/2008-Part-II-189

Government of Bihar  
Water Resources Department

Resolution

Dated:- 03-10-16

Subject - Increment in Water charges rate for Industrial, Commercial and Municipal use

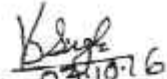
Under Para-62 of Bihar Irrigation Act, 1997 (Bihar Act - 11, 1998) there is provision for fixation of water charges rate for Industrial, Commercial and Municipal use.

Water charges rate ₹ 4.50 (Rupees four and paise fifty) only per thousand gallon for Industrial, Commercial and Municipal use effective from 1<sup>st</sup> April 1998 is hereby increased to ₹ 18.00 (Rupees eighteen) only per thousand gallon.

New Water charges rate will be effective from 3<sup>rd</sup> October 2016.

This has the approval of the State Cabinet.

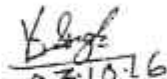
By the order of Governor of Bihar

  
(Yogeshwar Dhari Singh)  
Joint Secretary (Engineering)  
Water Resources Department

Memo No- 15/सं०-04-401/2008-Part-II-189

Patna, Dated 03-10-16

Copy to :- Accountant General (Account & Entitlement), Bihar/ Accountant General (Audit), Bihar,  
Birchand Patel Marg, Patna for information and necessary action.

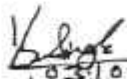
  
(Yogeshwar Dhari Singh)  
Joint Secretary (Engineering)  
Water Resources Department

Vitendus

Memo No- 15/रा०-०४-४०१/२००८-Part-II- 187

Patna, Dated- 03.10.16


Copy to :- PA to Honorable Minister, Water Resources Department, Bihar, Patna /Chief Secretary, Bihar, Patna /Principal Secretary, Cabinet Secretariat Department, Patna /Principal Secretary Finance Department, Patna /Principal Secretary, Industry Department, Patna /Principal Secretary, Town Development and Housing Department Patna /Personal Assistant to the Principal Secretary, Water Resources Department, Patna /All Engineer in Chief /All Chief Engineer /All Superintending Engineer /All Joint Secretary /All Executive Engineer, Water Resources Department for information and necessary action.

  
03.10.16  
(Yogeshwar Dhari Singh)  
Joint Secretary (Engineering)  
Water Resources Department

Memo No- 15/रा०-०४-४०१/२००८-Part-II- 189

Patna, Dated- 03.10.16

Copy to :- Superintendent, Secretariat Printing Press, Gulzarbagh, Patna in two hard copies along with CD for information and necessary action. Please publish it in the next extra ordinary publication and provide 200 (Two hundred) copies to Water Resources Department.

  
03.10.16  
(Yogeshwar Dhari Singh)  
Joint Secretary (Engineering)  
Water Resources Department



15/रा०-04-401/2008-पार्ट-II-189

बिहार सरकार  
जल संसाधन विभाग

संकल्प

दिनांक- 03.10.16

विषय - औद्योगिक, व्यावसायिक एवं म्युनिसिपल उपयोग हेतु जल प्रभार दर में वृद्धि।

बिहार सिमेंट्स अधिनियम, 1997 (बिहार अधिनियम 11, 1998) की कंडिशन 62 के अधीन औद्योगिक, व्यावसायिक एवं म्युनिसिपल उपयोग हेतु जल प्रभार दर निर्धारित करने का प्रावधान है।

औद्योगिक, व्यावसायिक एवं म्युनिसिपल उपयोग हेतु 01 अप्रैल 1998 से प्रभावी जल प्रभार दर ₹ 4.50 (चार रुपये पचास पैसे) प्रति हजार गैलन में वृद्धि करके ₹ 18.00 (अठारह) प्रति हजार गैलन निर्धारित किया जाता है।

नया जल प्रभार दर दिनांक 03.10.2016 से प्रभावी होगा।

इस पर मंत्रिपरिषद की स्वीकृति प्राप्त है।

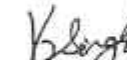
बिहार राज्यपाल के आदेश से,

  
03.10.16

(योगेश्वर धारसी सिंह)  
संयुक्त सचिव (अभियन्त्रण)  
जल संसाधन विभाग

जापांक-15/रा०-04-401/2008-पार्ट-II-189 /पटना, दिनांक-03-10-16

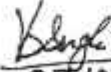
प्रतिलिपि :- महालेखाकार (लेखा एवं हकदारी), बिहार /महालेखाकार (लेखा परीक्षा), बिहार वीरबन्धु पटेल मार्ग, पटना को सूचनाार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

  
03.10.16

(योगेश्वर धारसी सिंह)  
संयुक्त सचिव (अभियन्त्रण)  
जल संसाधन विभाग

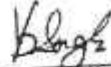
आपांक-15/सं०-04-401/2008-पार्ट-II-187 /पटना, दिनांक- 03.10.16

प्रतिलिपि :- माननीय मंत्री, जल संसाधन विभाग, बिहार, पटना के आप्त सचिव /मुख्य सचिव बिहार, पटना /प्रधान सचिव, मंत्रिमंडल सचिवालय विभाग, पटना /प्रधान सचिव, वित्त विभाग, पटना /प्रधान सचिव, उद्योग विभाग, पटना /प्रधान सचिव, नगर विकास एवं आवास विभाग, पटना /प्रधान सचिव के निजी सहायक, जल संसाधन विभाग, पटना /सभी अभियंता प्रमुख /सभी मुख्य अभियंता /सभी संयुक्त सचिव /सभी अधीक्षण अभियंता /सभी कार्यपालक अभियंता, जल संसाधन विभाग को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

  
03.10.16  
(योगेश्वर घोसी सिंह)  
संयुक्त सचिव (अभियंत्रण)  
जल संसाधन विभाग

आपांक-15/सं०-04-401/2008-पार्ट-II-187 /पटना, दिनांक-03.10.16

प्रतिलिपि :- अधीक्षक, सचिवालय मुद्रणालय, गुलजारबाग, पटना को दो हार्ड कॉपी एवं सी०डी० के साथ सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित। कृपया राजपत्र के अगामी असाधारण अंक में इसी प्रकारित करवाकर दो सौ प्रतियाँ जल संसाधन विभाग को उपलब्ध करायीं जाय।

  
03.10.16  
(योगेश्वर घोसी सिंह)  
संयुक्त सचिव (अभियंत्रण)  
जल संसाधन विभाग

201



Phone : 011-45565404  
Mobile : 09311959678

## H. TARA & CO.

### Cost Accountants

A-1-B/49-B, Paschim Vihar, (Near Paschim Vihar-West Metro Station)  
New Delhi-110063

Email : [fincost@htaraco.com](mailto:fincost@htaraco.com), [harkesh\\_tara2001@yahoo.com](mailto:harkesh_tara2001@yahoo.com)  
Website : [www.htaraco.com](http://www.htaraco.com)

#### Treatment of Railway Advance in case of Barh Station of NTPC Limited

Advance of ₹ 390 Cr. was given to Railways with Funding provided by customers (NTPC Ltd) as per following details:

Date of Payment	Amount (in ₹ Crores)	Project	Date of Agreement
15.03.2014	140	Electrification of Manpur - Tilaya-Bakhtiyarpur section to NTPC Barh siding	01.07.2020
20.03.2014	250	Construction of Bakhtiyarpur Flyover, Bakhtiyarpur - Barh 1 <sup>st</sup> line and Surface Triangle between Bakhtiyarpur - Rajgir line and Athmalgola - Bakhtiyarpur Up line to NTPC Barh Siding.	01.07.2020
<b>Total</b>	<b>390</b>		

Besides, NTPC has also given an advance of ₹ 274.6519 Cr. to Railways for MRC Tilaya Flyover as per following details, agreement of the same is still pending:

Date of Payment	Amount (in ₹ Crores)
27.02.2013	144.3304
27.02.2015	130.3215
<b>Total</b>	<b>274.6519</b>

Hence, total advance given to Railways is ₹ 664.6519 Crores.

At that time of giving advance, O&M Advance was created in Books of Accounts in the name of Railways for amount of ₹. 664.6519 Cr.

Further, as per the agreement (2 Projects - ₹ 590 Crores), Railway shall pay on the rebate from the freight fee amount equivalent to the sum of 7% of the disbursed amount along with interest @ 4% per annum after COD of the asset.

Hence, after the COD of Asset, Railways is paying back NTPC 7% of Railway advance as rebate along with 4% simple interest on outstanding amount. On receipt of the same, O&M advance created in books of accounts is reduced by the amount received regarding rebate from the railways and interest is credited to Other Income of the Financial Statements.

*Vitender*



COD of the 2 projects (390 Crores) was done on 31.12.2021. Hence, as per Agreement, Amount of rebate of Rs. 27.3 Crores (i.e. 7% of 390 crs. - principal) is to be paid by railways along with interest @ 4% of Rs. 390 crs. i.e. 3.8466 Crores (for remaining period of 2021-22). Hence, on receipt of instalment, an amount of Rs. 27.3 Crores is reduced from C&M advance from Balance Sheet and Interest of Rs. 3.8466 Crores is credited to Interest in Other Income (Note 38) of the Financial Statements in the year 2021-22.

For  
Management (NTPC)



Thota Vinod Kumar  
GM (Finance Commercial)



For H. Tara & Co.  
Cost Accountants  
FRN 100265



Shri Harshesh Tara  
(Partner)  
Membership No. 17321


**BIHAR STATE POLLUTION CONTROL BOARD**

 Parivesh Bhawan, NSB-2, Patliputra Industrial Area  
 Patliputra, Patna - 800 010

Ref.no-

385

Patna, dated-

12-3-19

**DISCHARGE CONSENT ORDER**

With reference to the application ID- 1811437, dated 31.10.2018 of M/s NTPC, Barh II, NTPC Barh, Dist- Patna-803215 (Bihar) for consent under sections 25/26 of the Water (Prevention & Control of Pollution) Act, 1974, they are granted consent to bring into use their new outlet(s) for discharge of trade effluent and/or domestic sewage operate his/her plant of Barh Super Thermal Power Project NTPC Barh, (Unit # 4 - 660MW) Pandarak, Patna-803215 for the period upto 30.09.2023 with the following conditions:-

- 1 That, he/they shall not make any alteration, addition, deletion or modification in the plant without the prior clearance from the Board and shall also abide by the obligations under sections 24,31 and 33A of the Water (Prevention & Control of Pollution ) Act,1974 and further shall extend co-operation to the Board in performing its functions entrusted under sections 20,21,23,30 and 32 of the Act ;
- 2 That, he/they shall comply with the provisions of the rule 14 of the Environment (Protection) Rules, 1986; provisions of the Hazardous & Other Wastes (Management & Tran- boundary Movement) rules, 2016, rules 4,5,7,8,10,11,12,13, 15,17 and 18 of the Manufacture, Storage and Import of Hazardous Chemical Rules,1989, and the provisions of the Public Liability Insurance Act,1991 whichever is applicable;
- 3 That, he/they shall monitor his/their effluent(s) regularly and maintain its quality in conformity with Board's standards and shall produce its proof as and when asked for
- 4 That, he/they shall submit application for consent again 30 days before the expiration of the period of consent i.e. 31.08.2023 or within 30 days from the date of receipt of this order, whichever is applicable
- 5 *The unit shall use liquid Waste Water Treatment Plant (LWWTP) for ensuring zero liquid discharge.*
- 6 *The unit shall comply Specific Water Consumption (SWC) maximum of 3.0 m<sup>3</sup>/MWH in compliance of MoEF&CC Govt Notification dated- 28.06.2018.*
- 7 *The unit shall comply all the conditions of EC & CTOs and submit the report of to the Board in addition with the concerned authority for EC (MoEF&CC) half yearly.*
- 8 *The unit shall ensure utilization of fly ash as per the guidelines/notification issued by MoEF&CC Govt. of India.*
- 9 *The unit shall submit Environmental Statement for the financial year ending the 31<sup>st</sup> March in Form-V on or before the 30<sup>th</sup> September every year.*
- 10 *The unit shall ensure the operation of STP and to conform to the prescribed standards (pH: 6.5-9, BOD: 30mg/L, TSS: <100mg/L & FC <100MPN/100ml).*
- 11 *The unit shall monitor Ganga river water Quality in U/S & D/S with reference to water intake point.*

To

Sri Asit Kumar Mukherjee  
 M/s NTPC Barh II  
 At - NTPC Barh,  
 Dist- Patna-803215 (Bihar)

(Alok Kumar)  
 Member Secretary

**BIHAR STATE POLLUTION CONTROL BOARD**Parivesh Bhawan, NSB-2, Patliputra Industrial Area  
Patliputra, Patna - 800 010

Ref.no- 2165

Patna, dated- 20.9.18

**DISCHARGE CONSENT ORDER**

With reference to the application ID- 1316487, dated 26.02.2018 of M/s NTPC, Barh II, NTPC Barh, Dist- Patna-803215 (Bihar) for consent under sections- 25/26 of the Water (Prevention & Control of Pollution) Act, 1974, they are granted consent to bring into use their new outlet(s) for discharge of trade effluent and/or domestic sewage operate his/her plant of Barh Super Thermal Power Project NTPC Barh, (Stage-II, Unit-5) Pandarak, Patna-803215 for the period upto 31.12.2022 with the following conditions:- (Thermal Power - 660MW)

- 1 That, he/they shall not make any alteration, addition, deletion or modification in the plant without the prior clearance from the Board and shall also abide by the obligations under sections 24,31 and 33A of the Water (Prevention & Control of Pollution) Act, 1974 and further shall extend co-operation to the Board in performing its functions entrusted under sections 20,21,23,30 and 32 of the Act.
- 2 That, he/they shall comply with the provisions of the rule 14 of the Environment (Protection) Rules, 1986, provisions of the Hazardous & Other Wastes (Management & Trans-boundary Movement) rules, 2016; rules 4,5,7,8,10,11,12,13, 15,17 and 18 of the Manufacture, Storage and Import of Hazardous Chemical Rules, 1989; and the provisions of the Public Liability Insurance Act, 1991 whichever is applicable;
- 3 That, he/they shall monitor his/their effluent(s) regularly and maintain its quality in conformity with Board's standards and shall produce its proof, as and when asked for;
- 4 That, he/they shall submit application for consent again 30 days before the expiration of the period of consent i.e. 30.11.2022 or within 30 days from the date of receipt of this order, whichever is applicable.
- 5 *The unit shall treat its effluent through LWTP and ensure its reuse in the plant to maintain zero waste water discharge.*
- 6 *The unit shall not discharge its effluent to the Ganga River or outside the premises/nearby land.*
- 7 *The unit shall install surveillance system (Web Camera & Flow meters).*
- 8 *The unit shall submit Environmental Statement for every year.*

To

Sri Vinod Choudhary  
M/s NTPC Barh II  
At - NTPC Barh,  
Dist- Patna-803215 (Bihar)

  
20/9/18  
(Alok Kumar)  
Member Secretary

## Annexure-A

Raj Pal  
 आर्थिक सलाहकार  
 Economic Adviser  
 Tel. No.: 011-23715595  
 E-mail : raj.pal@nic.in



भारत सरकार  
 GOVERNMENT OF INDIA  
 विद्युत मंत्रालय  
 MINISTRY OF POWER  
 श्रम शक्ति भवन, राफी मार्ग  
 SHRAM SHAKTI BHAWAN, RAFI MARG

नई दिल्ली 110001  
 NEW DELHI - 110001

Dated :- 2<sup>nd</sup> August, 2017

DO NO.9/23/2014-EC

Dear Mr Singh

As you may be aware, lighting accounts for more than 20% of total electricity consumption in India. Use of LED lights in domestic and public lightings could result in 50-90% reduction in energy consumption by lighting. It was with this objective that the Hon'ble Prime Minister, on 5<sup>th</sup> January, 2015 launched the National LED Programme to facilitate rapid adoption of LED based home lighting and street lighting across the Country. This programme, consisting of Unnat Jyoti by Affordable LEDs for All (UJALA) and Street Lightings National Programme (SLNP), is being implemented by EESL, a joint venture company of four Power Sector PSUs.

2. The issue relating to use of LED lights was also deliberated in the infrastructure review meeting held by Hon'ble Prime Minister on 17<sup>th</sup> September, 2016, wherein it was recommended to issue orders for mandating use of LED lights in all lighting projects funded by the Government.

3. Subsequently, in the review meeting held by Hon'ble Prime Minister on 21<sup>st</sup> July, 2017, it was inter-alia recommended to replace old bulbs with LED bulbs and that the full replacement should be achieved by 15<sup>th</sup> August, 2017 in government buildings.

4. In view of the above, you are requested to take necessary action to ensure that all old bulbs are replaced with LED bulbs by 15<sup>th</sup> August, 2017 in all the buildings (including compound/street lightings) occupied by your organisation.

5. It will be appreciated if action taken in this regard is reported to this Ministry on priority basis.

With regards,

Yours sincerely,

(Raj Pal)

नि(सहायक)/DIR (T)  
 नि(परिचयन)/DIR (Pro.)  
 नि(वित्त)/DIR (F)  
 नि(प्रवर्तन)/DIR (O)  
 नि(मान्य)/DIR (HR)  
 नि(कार्य)/DIR (Com.)  
 नि(अनुसंधान)/RED ( )  
 नि(अनुसंधान)/RED ( )  
 प्रमुख(निर्माण)/Head of CP

Shri Gurdeep Singh,  
 CMD, NTPC,  
 Scope Complex,  
 Lodhi Road, New Delhi.



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 220



Annexure-B

THE ENERGY CONSERVATION ACT, 2001

ARRANGEMENT OF SECTIONS

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PRELIMINARY

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2. Definitions.

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BUREAU OF ENERGY EFFICIENCY

3. Establishment and incorporation of Bureau of Energy Efficiency.
4. Management of Bureau.
5. Meetings of Governing Council.
6. Vacancies, etc., not to invalidate proceedings of Bureau, Governing Council or Committee.
7. Removal of member from office.
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THE SCHEDULE.

*V. S. S. S.*

# THE ENERGY CONSERVATION ACT, 2001

ACT NO. 52 OF 2001

[29th September, 2001.]

An Act to provide for efficient use of energy and its conservation and for matters connected therewith or incidental thereto.

BE it enacted by Parliament in the Fifty-second Year of the Republic of India as follows:—

## CHAPTER I

### PRELIMINARY

**1. Short title, extent and commencement.**—(1) This Act may be called the Energy Conservation Act, 2001.

(2) It extends to the whole of India except the State of Jammu and Kashmir.

(3) It shall come into force on such date<sup>1</sup> as the Central Government may, by notification in the Official Gazette, appoint; and different dates may be appointed for different provisions of this Act and any reference in any such provision to the commencement of this Act shall be construed as a reference to the coming into force of that provision.

**2. Definitions.**—In this Act, unless the context otherwise requires,—

(a) “accredited energy auditor” means <sup>2</sup>[an energy auditor accredited in accordance with the provisions of] clause (p) of sub-section (2) of section 13;

(b) “Appellate Tribunal” means the Appellate Tribunal for Energy Conservation <sup>3</sup>[referred to in section 30];

<sup>4</sup>[(c) “building” means any structure or erection or part of structure or erection after the rules relating to energy conservation building codes have been notified under clause (p) of section 14 and clause (a) of section 15 and includes any existing structure or erection or part of structure or erection, which is having a connected load of 100 Kilowatt (kW) or contract demand of 120 Kilo-volt Ampere (kVA) and above and is used or intended to be used for commercial purposes;]

(d) “Bureau” means the Bureau of Energy Efficiency established under sub-section (1) of section 3;

(e) “Chairperson” means the Chairperson of the Governing Council;

(f) “designated agency” means any agency designated under clause (d) of section 15;

(g) “designated consumer” means any consumer specified under clause (e) of section 14;

(h) “energy” means any form of energy derived from fossil fuels, nuclear substances or materials, hydro-electricity and includes electrical energy or electricity generated from renewable sources of energy or bio-mass connected to the grid;

(i) “energy audit” means the verification, monitoring and analysis of use of energy including submission of technical report containing recommendations for improving energy efficiency with cost benefit analysis and an action plan to reduce energy consumption;

(j) “energy conservation building codes” means the norms and standards of energy consumption expressed in terms of per square metre of the area wherein energy is used and includes the location of the building;

(k) “energy consumption standards” means the norms for process and energy consumption standards specified under clause (a) of section 14;

1. 28th June, 2012 (sections 31, 33, 44, 45), *vide* notification No. S. O. 1433(E), dated 28th June, 2012, *see* Gazette of India, Extraordinary, Part II, sec. 3(ii).

2. Subs. by Act 28 of 2010 s. 2, for “an auditor possessing qualifications specified under” (w.e.f. 24-8-2010).

3. Subs. by s. 2, *ibid.*, for “established under section 30” (w.e.f. 24-8-2010).

4. Subs. by s. 2, *ibid.*, for clause (c) (w.e.f. 24-8-2010).

(l) "Energy Management Centre" means the Energy Management Centre set up under the Resolution of the Government of India in the erstwhile Ministry of Energy, Department of Power No. 7(2)/87- EP(Vol. IV), dated the 5th July, 1989 and registered under the Societies Registration Act, 1860 (21 of 1860);

(m) "energy manager" means any individual possessing the qualifications prescribed under clause (m) of section 14;

<sup>1</sup>[(ma) "energy savings certificate" means any energy savings certificate issued to the designated consumers under sub-section (1) of section 14A;

(maa) "equipment or appliance" means any equipment or appliance which consumes, generates, transmits or supplies energy and includes any device that consumes any form of energy and produces a desired work;]

(n) "Governing Council" means the Governing Council referred to in section 4;

(o) "member" means the member of the Governing Council and includes the Chairperson;

(p) "notification" means a notification in the Gazette of India or, as the case may be, the Official Gazette of a State;

(q) "prescribed" means prescribed by rules made under this Act;

(r) "regulations" means regulations made by the Bureau under this Act;

(s) "Schedule" means the Schedule to this Act;

(t) "State Commission" means the State Electricity Regulatory Commission established under sub-section (1) of section 17 of the Electricity Regulatory Commissions Act, 1998 (14 of 1998);

(u) words and expressions used and not defined in this Act but defined in the Indian Electricity Act, 1910 (9 of 1910) or the Electricity (Supply) Act, 1948 (54 of 1948) or the Electricity Regulatory Commissions Act, 1998 (14 of 1998) shall have the meanings respectively assigned to them in those Acts.

## CHAPTER II

### BUREAU OF ENERGY EFFICIENCY

**3. Establishment and incorporation of Bureau of Energy Efficiency.**—(1) With effect from such date as the Central Government may, by notification, appoint, there shall be established, for the purposes of this Act, a Bureau to be called the Bureau of Energy Efficiency.

(2) The Bureau shall be a body corporate by the name aforesaid having perpetual succession and a common seal, with power subject to the provisions of this Act, to acquire, hold and dispose of property, both movable and immovable, and to contract, and shall, by the said name, sue or be sued.

(3) The head office of the Bureau shall be at Delhi.

(4) The Bureau may establish offices at other places in India.

**4. Management of Bureau.**—(1) The general superintendence, direction and management of the affairs of the Bureau shall vest in the Governing Council which shall consist of not less than twenty, but not exceeding twenty-six, members to be appointed by the Central Government.

(2) The Governing Council shall consist of the following members, namely:—

- |  |                                |
|--|--------------------------------|
| (a) the Minister in charge of the Ministry or Department of the Central Government dealing with the Power  | <i>ex officio</i> Chairperson; |
| (b) the Secretary to the Government of India, in charge of the Ministry or Department of the Central Government dealing with the Power                     | <i>ex officio</i> member;      |
| (c) the Secretary to the Government of India, in charge of the Ministry or Department of the Central Government dealing with the Petroleum and Natural Gas | <i>ex officio</i> member;      |

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- |   |                                     |
|---|-------------------------------------|
| (d) the Secretary to the Government of India, in charge of the Ministry or Department of the Central Government dealing with the Coal   | <i>ex officio</i> member;           |
| (e) the Secretary to the Government of India, in charge of the Ministry or Department of the Central Government dealing with the Non-conventional Energy Sources  | <i>ex officio</i> member;           |
| (f) the Secretary to the Government of India, in charge of the Ministry or Department of the Central Government dealing with the Atomic Energy  | <i>ex officio</i> member;           |
| (g) the Secretary to the Government of India, in charge of the Ministry or Department of the Central Government dealing with the Consumer Affairs   | <i>ex officio</i> member;           |
| (h) Chairman of the Central Electricity Authority established under the Electricity (Supply) Act, 1948 (54 of 1948)   | <i>ex officio</i> member;           |
| (i) Director-General of the Central Power Research Institute registered under the Karnataka Societies Act, 1960 (Karnataka Act 17 of 1960)  | <i>ex officio</i> member;           |
| (j) Executive Director of the Petroleum Conservation Research Association, a society registered under the Societies Registration Act, 1860 (XXI of 1860)  | <i>ex officio</i> member;           |
| (k) Chairman-cum-Managing Director of the Central Mine Planning and Design Institute Limited, a company incorporated under the Companies Act, 1956 (1 of 1956)  | <i>ex officio</i> member;           |
| (l) Director-General of the Bureau of Indian Standards established under the Bureau of Indian Standards Act, 1986 (63 of 1986)  | <i>ex officio</i> member;           |
| (m) Director-General of the National Test House, Department of Supply, Ministry of Commerce and Industry, Kolkata   | <i>ex officio</i> member;           |
| (n) Managing Director of the Indian Renewable Energy Development Agency Limited, a company incorporated under the Companies Act, 1956 (1 of 1956)   | <i>ex officio</i> member;           |
| (o) one member each from the five power regions representing the States of the region to be appointed by the Central Government   | member;                             |
| (p) such number of persons, not exceeding four as may be prescribed, to be appointed by the Central Government as members from amongst persons who are in the opinion of the Central Government capable of representing industry, equipment and appliance manufacturers, architects and consumers | member;                             |
| (q) such number of persons, not exceeding two as may be nominated by the Governing Council as members   | member;                             |
| (r) Director-General of Bureau  | <i>ex officio</i> member-secretary. |

(3) The Governing Council may exercise all powers and do all acts and things which may be exercised or done by the Bureau.

(4) Every member referred to in clauses (o), (p) and (q) of sub-section (2) shall hold office for a term of three years from the date on which he enters upon his office.

(5) The fee and allowances to be paid to the members referred to in clauses (o), (p) and (q) of sub-section (2) and the manner of filling up of vacancies and the procedure to be followed in the discharge of their functions shall be such as may be prescribed.

**5. Meetings of Governing Council.**—(1) The Governing Council shall meet at such times and places, and shall observe such rules of procedure in regard to the transaction of business at its meetings (including quorum at such meetings) as may be provided by regulations.

(2) The Chairperson or, if for any reason, he is unable to attend a meeting of the Governing Council, any other member chosen by the members present from amongst themselves at the meeting shall preside at the meeting.

(3) All questions which come up before any meeting of the Governing Council shall be decided by a majority vote of the members present and voting, and in the event of an equality of votes, the Chairperson or in his absence, the person presiding, shall have a second or casting vote.

**6. Vacancies, etc., not to invalidate proceedings of Bureau, Governing Council or Committee.**—No act or proceeding of the Bureau or the Governing Council or any Committee shall be invalid merely by reason of—

(a) any vacancy in, or any defect in the constitution of, the Bureau or the Governing Council or the Committee; or

(b) any defect in the appointment of a person acting as a Director-General or Secretary of the Bureau or a member of the Governing Council or the Committee; or

(c) any irregularity in the procedure of the Bureau or the Governing Council or the Committee not affecting the merits of the case.

**7. Removal of member from office.**—The Central Government shall remove a member referred to in clauses (o), (p) and (q) of sub-section (2) of section 4 from office if he—

(a) is, or at any time has been, adjudicated as insolvent;

(b) is of unsound mind and stands so declared by a competent court;

(c) has been convicted of an offence which, in the opinion of the Central Government, involves a moral turpitude;

(d) has, in the opinion of the Central Government, so abused his position as to render his continuation in office detrimental to the public interest:

Provided that no member shall be removed under this clause unless he has been given a reasonable opportunity of being heard in the matter.

**8. Constitution of Advisory Committees and other committees.**—(1) Subject to any regulations made in this behalf, the Bureau shall, within six months from the date of commencement of this Act, constitute Advisory Committees for the efficient discharge of its functions.

(2) Each Advisory Committee shall consist of a Chairperson and such other members as may be determined by regulations.

(3) Without prejudice to the powers contained in sub-section (1), the Bureau may constitute, such number of technical committees of experts for the formulation of energy consumption standards or norms in respect of equipment or processes, as it considers necessary.

**9. Director-General of Bureau.**—(1) The Central Government shall, by notification, appoint a Director-General from amongst persons of ability and standing, having adequate knowledge and experience in dealing with the matters relating to energy production, supply and energy management, standardisation and efficient use of energy and its conservation.

(2) The Central Government shall, by notification, appoint any person not below the rank of Deputy Secretary to the Government of India as Secretary of the Bureau.

(3) The Director-General shall hold office for a term of <sup>1</sup>[five years] from the date on which he enters upon his office or until he attains the age of sixty years, whichever is earlier.

(4) The salary and allowances payable to the Director-General and other terms and conditions of his service and other terms and conditions of service of the Secretary of the Bureau shall be such as may be prescribed.

(5) Subject to general superintendence, direction and management of the affairs by the Governing Council, the Director-General of the Bureau shall be the Chief Executive Authority of the Bureau.

(6) The Director-General of the Bureau shall exercise and discharge such powers and duties of the Bureau as may be determined by regulations.

**10. Officers and employees of Bureau.**—(1) <sup>2</sup>[The Bureau] may appoint such other officers and employees in the Bureau as it considers necessary for the efficient discharge of its functions under this Act.

(2) The terms and conditions of service of officers and other employees of the Bureau appointed under sub-section (1) shall be such as may be prescribed.

**11. Authentication of orders and decisions of Bureau.**—All orders and decisions of the Bureau shall be authenticated by the signature of the Director-General or any other officer of the Bureau authorised by the Director-General in this behalf.

### CHAPTER III

#### TRANSFER OF ASSETS, LIABILITIES, ETC., OF ENERGY MANAGEMENT CENTRE TO BUREAU

**12. Transfer of assets, liabilities and employees of Energy Management Centre.**—(1) On and from the date of establishment of the Bureau—

(a) any reference to the Energy Management Centre in any law other than this Act or in any contract or other instrument shall be deemed as a reference to the Bureau;

(b) all properties and assets, movable and immovable of, or belonging to, the Energy Management Centre shall vest in the Bureau;

(c) all the rights and liabilities of the Energy Management Centre shall be transferred to, and be the rights and liabilities of, the Bureau;

(d) without prejudice to the provisions of clause (c), all debts, obligations and liabilities incurred, all contracts entered into and all matters and things engaged to be done by, with or for the Energy Management Centre immediately before that date, for or in connection with the purposes of the said Centre shall be deemed to have been incurred, entered into, or engaged to be done by, with or for, the Bureau;

(e) all sums of money due to the Energy Management Centre immediately before that date shall be deemed to be due to the Bureau;

(f) all suits and other legal proceedings instituted or which could have been instituted by or against the Energy Management Centre immediately before that date may be continued or may be instituted by or against the Bureau; and

(g) every employee holding any office under the Energy Management Centre immediately before that date shall hold his office in the Bureau by the same tenure and upon the same terms and conditions of service as respects remuneration, leave, provident fund, retirement or other terminal benefits as he would have held such office if the Bureau had not been established and shall continue to do so as an employee of the Bureau or until the expiry of six months from that date if such employee opts not to be the employee of the Bureau within such period.

(2) Notwithstanding anything contained in the Industrial Disputes Act, 1947 (14 of 1947) or in any other law for the time being in force, the absorption of any employee by the Bureau in its regular service under this section shall not entitle such employee to any compensation under that Act or other law and no such claim shall be entertained by any court, tribunal or other authority.

1. Subs. by Act 28 of 2010 s. 3, for "three years" (w.e.f. 24-8-2010).

2. Subs. by s. 4, *ibid.*, for "The Central Government" (w.e.f. 24-8-2010).

*Vitendero*

## CHAPTER IV

### POWERS AND FUNCTIONS OF BUREAU

**13. Powers and functions of Bureau.**—(1) The Bureau shall, effectively co-ordinate with designated consumers, designated agencies and other agencies, recognise and utilise the existing resources and infrastructure, in performing the functions assigned to it by or under this Act.

(2) The Bureau may perform such functions and exercise such powers as may be assigned to it by or under this Act and in particular, such functions and powers include the function and power to—

(a) recommend to the Central Government the norms for processes and energy consumption standards required to be notified under clause (a) of section 14;

<sup>1</sup>[(aa) recommend to the Central Government for issuing of the energy savings certificate under section 14A;]

(b) recommend to the Central Government the particulars required to be displayed on label on equipment or on appliances and manner of their display under clause (d) of section 14;

(c) recommend to the Central Government for notifying any user or class of users of energy as a designated consumer under clause (e) of section 14;

(d) take suitable steps to prescribe guidelines for energy conservation building codes under clause (p) of section 14;

(e) take all measures necessary to create awareness and disseminate information for efficient use of energy and its conservation;

(f) arrange and organise training of personnel and specialists in the techniques for efficient use of energy and its conservation;

(g) strengthen consultancy services in the field of energy conservation;

(h) promote research and development in the field of energy conservation;

(i) develop testing and certification procedure and promote testing facilities for certification and testing for energy consumption of equipment and appliances;

(j) formulate and facilitate implementation of pilot projects and demonstration projects for promotion of efficient use of energy and its conservation;

(k) promote use of energy efficient processes, equipment, devices and systems;

(l) promote innovative financing of energy efficiency projects;

(m) give financial assistance to institutions for promoting efficient use of energy and its conservation;

(n) levy fee, as may be determined by regulations, for services provided for promoting efficient use of energy and its conservation;

(o) maintain a list of accredited energy auditors as may be specified by regulations;

<sup>2</sup>[(p) specify, by regulations, the qualifications, criteria and conditions subject to which a person may be accredited as an energy auditor and the procedure for such accreditation;]

(q) specify, by regulations, the manner and intervals of time in which the energy audit shall be conducted;

(r) specify, by regulations, certification procedures for <sup>3</sup>[energy auditors and energy managers] to be designated or appointed by designated consumers;

(s) prepare educational curriculum on efficient use of energy and its conservation for educational institutions, boards, universities or autonomous bodies and coordinate with them for inclusion of such curriculum in their syllabus;

<sup>1</sup>[(sa) conduct examination for capacity building and strengthening of services in the field of energy conservation including certification of energy managers and energy auditors;]

1. Ins. by Act of 28 of 2010, s. 5 (w.e.f. 24-8-2010).

2. Subs. by s. 5, *ibid.*, for clause (p) (w.e.f. 24-8-2010).

3. Subs. by s. 5, *ibid.*, for "energy managers" (w.e.f. 24-8-2010).

(t) implement international co-operation programmes relating to efficient use of energy and its conservation as may be assigned to it by the Central Government;

(u) perform such other functions as may be prescribed.

#### CHAPTER V

#### POWER OF CENTRAL GOVERNMENT TO FACILITATE AND ENFORCE EFFICIENT USE OF ENERGY AND ITS CONSERVATION

**14. Power of Central Government to enforce efficient use of energy and its conservation.**—The Central Government may, by notification, in consultation with the Bureau,—

(a) specify the norms for processes and energy consumption standards for any equipment, appliance which consumes, generates, transmits or supplies energy;

(b) specify equipment or appliance or class of equipments or appliances, as the case may be, for the purposes of this Act;

(c) prohibit manufacture or sale or purchase or import of equipment or appliance specified under clause (b), unless such equipment or appliance conforms to energy consumption standards:

<sup>1</sup>[Provided that no notification prohibiting manufacture or sale or purchase or import of equipment or appliance shall be issued within a period of six months from the date of notification issued under clause (a) of this section:

Provided further that the Central Government may, having regard to the market share and the technological development having impact on equipment or appliance, and for reasons to be recorded in writing, extend the said period of six months referred to in the first proviso by a further period not exceeding six months;]

(d) direct display of such particulars on label on equipment or on appliance specified under clause (b) and in such manner as may be specified by regulations;

(e) specify, having regard to the intensity or quantity of energy consumed and the amount of investment required for switching over to energy efficient equipments and capacity of industry to invest in it and availability of the energy efficient machinery and equipment required by the industry, <sup>2</sup>[any user or class of users of energy in the energy intensive industries and other establishments as specified in the Schedule as a designated consumer] for the purposes of this Act;

(f) alter the list of Energy Intensive Industries specified in the Schedule;

(g) establish and prescribe such energy consumption norms and standards for designated consumers as it may consider necessary:

Provided that the Central Government may prescribe different norms and standards for different designated consumers having regard to such factors as may be prescribed;

(h) direct, having regard to quantity of energy consumed or the norms and standards of energy consumption specified under clause (a), the Energy Intensive Industries specified in the Schedule to get energy audit conducted by an accredited energy auditor in such manner and intervals of time as may be specified by regulations;

(i) direct, if considered necessary for efficient use of energy and its conservation, any designated consumer to get energy audit conducted by an accredited energy auditor;

(j) specify the matters to be included for the purposes of inspection under sub-section (2) of section 17;

(k) direct any designated consumer to furnish to the designated agency, in such form and manner and within such period, as may be prescribed, the information with regard to the energy consumed and action taken on the recommendation of the accredited energy auditor;

(l) direct any designated consumer to designate or appoint energy manager in charge of activities for efficient use of energy and its conservation and submit a report, in the form and manner as may be

1. Subs. by Act 28 of 2010, s. 6, for the proviso (w.e.f. 24-8-2010).

2. Subs. by s. 6, *ibid.*, for "any user or class of users of energy as a designated consumer" (w.e.f. 24-8-2010).

prescribed, on the status of energy consumption at the end of every financial year to the designated agency;

(m) prescribe minimum qualification for <sup>1</sup>[energy auditors and energy managers] to be designated or appointed under clause (l);

(n) direct every designated consumer to comply with energy consumption norms and standards;

(o) direct any designated consumer, who does not fulfil the energy consumption norms and standards prescribed under clause (g), to prepare a scheme for efficient use of energy and its conservation and implement such scheme keeping in view the economic viability of the investment in <sup>2</sup>[such form, the time within which and the manner] as may be prescribed;

(p) prescribe energy conservation building codes for efficient use of energy and its conservation in the building or building complex;

(q) amend the energy conservation building codes to suit the regional and local climatic conditions;

(r) direct every owner or occupier of the building or building complex, being a designated consumer to comply with the provisions of energy conservation building codes for efficient use of energy and its conservation;

(s) direct, any designated consumer referred to in clause (r), if considered necessary, for efficient use of energy and its conservation in his building to get energy audit conducted in respect of such building by an accredited energy auditor in such manner and intervals of time as may be specified by regulations;

(t) take all measures necessary to create awareness and disseminate information for efficient use of energy and its conservation;

(u) arrange and organise training of personnel and specialists in the techniques for efficient use of energy and its conservation;

(v) take steps to encourage preferential treatment for use of energy efficient equipment or appliances;

Provided that the powers under clauses (p) to (s) shall be exercised in consultation with the concerned State.

<sup>3</sup>[14A. Power of Central Government to issue energy savings certificate.—(1) The Central Government may issue the energy savings certificate to the designated consumer whose energy consumption is less than the prescribed norms and standards in accordance with the procedure as may be prescribed.

(2) The designated consumer whose energy consumption is more than the prescribed norms and standards shall be entitled to purchase the energy savings certificate to comply with the prescribed norms and standards.

**14B. Power of Central Government to specify value of energy.**—The Central Government may, in consultation with the Bureau, prescribe the value of per metric ton of oil equivalent of energy consumed for the purposes of this Act.]

## CHAPTER VI

### POWER OF STATE GOVERNMENT TO FACILITATE AND ENFORCE EFFICIENT USE OF ENERGY AND ITS CONSERVATION

**15. Power of State Government to enforce certain provisions for efficient use of energy and its conservation.**—The State Government may, by notification, in consultation with the Bureau—

(a) amend the energy conservation building codes to suit the regional and local climatic conditions and may, by rules made by it, specify and notify energy conservation building codes with respect to use of energy in the buildings;

1. Subs. by Act 28 of 2010, s. 6, for "energy managers" (w.e.f. 24-8-2010).

2. Subs. by s. 6, *ibid.*, for "such form and manner" (w.e.f. 24-8-2010).

3. Ins. by s. 7, *ibid.* (w.e.f. 24-8-2010).

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(b) direct every owner or occupier of a building or building complex being a designated consumer to comply with the provisions of the energy conservation building codes;

(c) direct, if considered necessary for efficient use of energy and its conservation, any designated consumer referred to in clause (b) to get energy audit conducted by an accredited energy auditor in such manner and at such intervals of time as may be specified by regulations;

(d) designate any agency as designated agency to coordinate, regulate and enforce provisions of this Act within the State;

(e) take all measures necessary to create awareness and disseminate information for efficient use of energy and its conservation;

(f) arrange and organise training of personnel and specialists in the techniques for efficient use of energy and its conservation;

(g) take steps to encourage preferential treatment for use of energy efficient equipment or appliances;

(h) direct, any designated consumer to furnish to the designated agency, in such form and manner and within such period as may be specified by rules made by it, information with regard to the energy consumed by such consumer;

(i) specify the matters to be included for the purposes of inspection under sub-section (2) of section 17.

**16. Establishment of Fund by State Government.**—(1) The State Government shall constitute a Fund to be called the State Energy Conservation Fund for the purposes of promotion of efficient use of energy and its conservation within the State.

(2) To the Fund shall be credited all grants and loans that may be made by the State Government or, Central Government or any other organisation or individual for the purposes of this Act.

(3) The Fund shall be applied for meeting the expenses incurred for implementing the provisions of this Act.

(4) The Fund created under sub-section (1) shall be administered by such persons or any authority and in such manner as may be specified in the rules made by the State Government.

**17. Power of inspection.**—(1) The designated agency may appoint, after the expiry of five years from the date of commencement of this Act, as many inspecting officers as may be necessary for the purpose of ensuring compliance with energy consumption standards specified under clause (a) of section 14 or ensure display of particulars on label on equipment or appliance specified under clause (b) of section 14 or for the purpose of performing such other functions as may be assigned to them.

(2) Subject to any rules made under this Act, an inspecting officer shall have power to—

(a) inspect any operation carried on or in connection with the equipment or appliance specified under clause (b) of section 14 or in respect of which energy standards under clause (a) of section 14 have been specified;

(b) enter any place of designated consumer at which the energy is used for any activity and may require any proprietor, employee, director, manager or secretary or any other person who may be attending in any manner to or helping in, carrying on any activity with the help of energy—

(i) to afford him necessary facility to inspect—

(A) any equipment or appliance as he may require and which may be available at such place;

(B) any production process to ascertain the energy consumption norms and standards;

(ii) to make an inventory of stock of any equipment or appliance checked or verified by him;

(iii) to record the statement of any person which may be useful for, or relevant to, for efficient use of energy and its conservation under this Act.

(3) An inspecting officer may enter any place of designated consumer—

(a) where any activity with the help of energy is carried on; and

(b) where any equipment or appliance notified under clause (b) of section 14 has been kept,

during the hours at which such place is open for production or conduct of business connected therewith.

(4) An inspecting officer acting under this section shall, on no account, remove or cause to be removed from the place wherein he has entered, any equipment or appliance or books of account or other documents.

**18. Power of Central Government or State Government to issue directions.**—The Central Government or the State Government may, in the exercise of its powers and performance of its functions under this Act and for efficient use of energy and its conservation, issue such directions in writing as it deems fit for the purposes of this Act to any person, officer, authority or any designated consumer and such person, officer or authority or any designated consumer shall be bound to comply with such directions.

*Explanation.*—For the avoidance of doubts, it is hereby declared that the power to issue directions under this section includes the power to direct—

(a) regulation of norms for process and energy consumption standards in any industry or building or building complex; or

(b) regulation of the energy consumption standards for equipment and appliances.

## CHAPTER VII

### FINANCE, ACCOUNTS AND AUDIT OF BUREAU

**19. Grants and loans by Central Government.**—The Central Government may, after due appropriation made by Parliament by law in this behalf, make to the Bureau or to the State Governments grants and loans of such sums of money as the Central Government may consider necessary.

**20. Establishment of Fund by Central Government.**—(1) There shall be constituted a Fund to be called as the Central Energy Conservation Fund and there shall be credited thereto—

(a) any grants and loans made to the Bureau by the Central Government under section 19;

(b) all fees received by the Bureau under this Act;

(c) all sums received by the Bureau from such other sources as may be decided upon by the Central Government.

(2) The Fund shall be applied for meeting—

(a) the salary, allowances and other remuneration of Director-General, Secretary, officers and other employees of the Bureau;

(b) expenses of the Bureau in the discharge of its functions under section 13;

(c) fee and allowances to be paid to the members of the Governing Council under sub-section (5) of section 4;

(d) expenses on objects and for purposes authorised by this Act.

**21. Borrowing powers of Bureau.**—(1) The Bureau may, with the consent of the Central Government or in accordance with the terms of any general or special authority given to it by the Central Government, borrow money from any source as it may deem fit for discharging all or any of its functions under this Act.

(2) The Central Government may guarantee, in such manner as it thinks fit, the repayment of the principal and the payment of interest thereon with respect to the loans borrowed by the Bureau under sub-section (1).



**22. Budget.**—The Bureau shall prepare, in such form and at such time in each financial year as may be prescribed, its budget for the next financial year, showing the estimated receipts and expenditure of the Bureau and forward the same to the Central Government.

**23. Annual report.**—The Bureau shall prepare, in such form and at such time in each financial year as may be prescribed, its annual report, giving a full account of its activities during the previous financial year, and submit a copy thereof to the Central Government.

**24. Annual report to be laid before Parliament.**—The Central Government shall cause the annual report referred to in section 23 to be laid, as soon as may be after it is received, before each House of Parliament.

**25. Accounts and audit.**—(1) The Bureau shall maintain proper accounts and other relevant records and prepare an annual statement of accounts in such form as may be prescribed by the Central Government in consultation with the Comptroller and Auditor-General of India.

(2) The accounts of the Bureau shall be audited by the Comptroller and Auditor-General of India at such intervals as may be specified by him and any expenditure incurred in connection with such audit shall be payable by the Bureau to the Comptroller and Auditor-General.

(3) The Comptroller and Auditor-General of India and any other person appointed by him in connection with the audit of the accounts of the Bureau shall have the same rights and privileges and authority in connection with such audit as the Comptroller and Auditor-General generally has in connection with the audit of the Government accounts, and in particular, shall have the right to demand the production of books, accounts, connected vouchers and other documents and papers and to inspect any of the offices of the Bureau.

(4) The accounts of the Bureau as certified by the Comptroller and Auditor-General of India or any other person appointed by him in this behalf together with the audit report thereon shall be forwarded annually to the Central Government and that Government shall cause the same to be laid before each House of Parliament.

## CHAPTER VIII

### PENALTIES AND ADJUDICATION

**26. Penalty.**—(1) If any person fails to comply with the provisions of clause (c) or clause (d) or clause (h) or clause (i) or clause (k) or clause (l) <sup>1\*\*\*</sup> or clause (r) or clause (s) of section 14 or clause (b) or clause (c) or clause (h) of section 15, he shall be liable to a penalty which shall not exceed <sup>2</sup>[ten lakh rupees] for each such failure and, in the case of continuing failure, with an additional penalty which may extend to <sup>3</sup>[ten thousand rupees] for every day during which such failure continues:

Provided that no person shall be liable to pay penalty within five years from the date of commencement of this Act.

<sup>4</sup>[(1A) If any person fails to comply with the provisions of clause (n) of section 14, he shall be liable to a penalty which shall not exceed ten lakh rupees and, in the case of continuing failure, with an additional penalty which shall not be less than the price of every metric ton of oil equivalent of energy, prescribed under this Act, that is in excess of the prescribed norms.]

(2) Any amount payable under this section, if not paid, may be recovered as if it were an arrear of land revenue.

**27. Power to adjudicate.**—(1) For the purpose of adjudging under section 26, the State Commission shall appoint any of its members to be an adjudicating officer for holding an inquiry in such manner as may be prescribed by the Central Government, after giving any person concerned a reasonable opportunity of being heard for the purpose of imposing any penalty.

(2) While holding an inquiry, the adjudicating officer shall have power to summon and enforce the attendance of any person acquainted with the facts and circumstances of the case to give evidence or produce any document which in the opinion of the adjudicating officer, may be useful for or relevant to

1. The words, brackets and letter "or clause (n)" omitted by Act of 28 of 2010, s. 8 (w.e.f. 24-8-2010).

2. Subs. by s. 8, *ibid.*, for "ten thousand rupees" (w.e.f. 24-8-2010).

3. Subs. by s. 8, *ibid.*, for "one thousand rupees" (w.e.f. 24-8-2010).

4. Ins. by s. 8, *ibid.* (w.e.f. 24-8-2010).

the subject-matter of the inquiry, and if, on such inquiry, he is satisfied that the person has failed to comply with the provisions of any of the clauses of the sections specified in section 26, he may impose such penalty as he thinks fit in accordance with the provisions of any of those clauses of that section:

Provided that where a State Commission has not been established in a State, the Government of that State shall appoint any of its officer not below the rank equivalent to a Secretary dealing with legal affairs in that State to be an adjudicating officer for the purposes of this section and such officer shall cease to be an adjudicating officer immediately on the appointment of an adjudicating officer by the State Commission on its establishment in that State:

Provided further that where an adjudicating officer appointed by a State Government ceased to be an adjudicating officer, he shall transfer to the adjudicating officer appointed by the State Commission all matters being adjudicated by him and thereafter the adjudicating officer appointed by the State Commission shall adjudicate the penalties on such matters.

**28. Factors to be taken into account by adjudicating officer.**—While adjudicating the quantum of penalty under section 26, the adjudicating officer shall have due regard to the following factors, namely:—

(a) the amount of disproportionate gain or unfair advantage, wherever quantifiable, made as a result of the default;

(b) the repetitive nature of the default.

**29. Civil court not to have jurisdiction.**—No civil court shall have jurisdiction to entertain any suit or proceeding in respect of any matter which an adjudicating officer appointed under this Act or the Appellate Tribunal is empowered by or under this Act to determine and no injunction shall be granted by any court or other authority in respect of any action taken or to be taken in pursuance of any power conferred by or under this Act.

## CHAPTER IX

### APPELLATE TRIBUNAL FOR ENERGY CONSERVATION

**[30. Appellate Tribunal.**—The Appellate Tribunal established under section 110 of the Electricity Act, 2003 (36 of 2003) shall, without prejudice to the provisions of the Electricity Act, 2003, be the Appellate Tribunal for the purposes of this Act and hear appeals against the orders of the adjudicating officer or the Central Government or the State Government or any other authority under this Act.]

**31. Appeal to Appellate Tribunal.**—(1) Any person aggrieved, by an order made by an adjudicating officer or the Central Government or the State Government or any other authority under this Act, may prefer an appeal to the Appellate Tribunal for Energy Conservation:

Provided that any person, appealing against the order of the adjudicating officer levying any penalty, shall, while filing the appeal, deposit the amount of such penalty:

Provided further that where in any particular case, the Appellate Tribunal is of the opinion that the deposit of such penalty would cause undue hardship to such person, the Appellate Tribunal may dispense with such deposit subject to such conditions as it may deem fit to impose so as to safeguard the realisation of penalty.

(2) Every appeal under sub-section (1) shall be filed within a period of forty-five days from the date on which a copy of the order made by the adjudicating officer or the Central Government or the State Government or any other authority is received by the aggrieved person and it shall be in such form, verified in such manner and be accompanied by such fee as may be prescribed:

Provided that the Appellate Tribunal may entertain an appeal after the expiry of the said period of forty-five days if it is satisfied that there was sufficient cause for not filing it within that period.

(3) On receipt of an appeal under sub-section (1), the Appellate Tribunal may, after giving the parties to the appeal an opportunity of being heard, pass such orders thereon as it thinks fit, confirming, modifying or setting aside the order appealed against.

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(4) The Appellate Tribunal shall send a copy of every order made by it to the parties to the appeal and to the concerned adjudicating officer or the Central Government or the State Government or any other authority.

(5) The appeal filed before the Appellate Tribunal under sub-section (1) shall be dealt with by it as expeditiously as possible and endeavour shall be made by it to dispose of the appeal finally within one hundred and eighty days from the date of receipt of the appeal:

Provided that where an appeal could not be disposed of within the said period of one hundred and eighty days, the Appellate Tribunal shall record its reasons in writing for not disposing of the appeal within the said period.

(6) The Appellate Tribunal may, for the purpose of examining the legality, propriety or correctness of any order made by the adjudicating officer or the Central Government or the State Government or any other authority under this Act, as the case may be, in relation to any proceeding, on its own motion or otherwise, call for the records of such proceedings and make such order in the case as it thinks fit.

<sup>1</sup>**[31A. Procedure and powers of Appellate Tribunal.**—The provisions of sections 120 to 123 (both inclusive) of the Electricity Act, 2003 (36 of 2003) shall, *mutatis mutandis*, apply to the Appellate Tribunal in the discharge of its functions under this Act as they apply to it in the discharge of its function under the Electricity Act, 2003.]

**32. Composition of Appellate Tribunal.** [Omitted by the Energy Conservation (Amendment) Act, 2010 (28 of 2010), s.11 (w.e.f. 24-8-2010)].

**33. Qualifications for appointment of Chairperson and Members of Appellate Tribunal.** [Omitted by s.11, *ibid.* (w.e.f. 24-8-2010)].

**34. Term of office.** [Omitted by s.11, *ibid.* (w.e.f. 24-8-2010)].

**35. Terms and conditions of service.** [Omitted by s.11, *ibid.* (w.e.f. 24-8-2010)].

**36. Vacancies.** [Omitted by s.11, *ibid.* (w.e.f. 24-8-2010)].

**37. Resignation and removal.** [Omitted by s.11, *ibid.* (w.e.f. 24-8-2010)].

**38. Member to act as Chairperson in certain circumstances.** [Omitted by s.11, *ibid.* (w.e.f. 24-8-2010)].

**39. Staff of Appellate Tribunal.** [Omitted by s.11, *ibid.* (w.e.f. 24-8-2010)].

**40. Procedure and powers of Appellate Tribunal.** [Omitted by s.11, *ibid.* (w.e.f. 24-8-2010)].

**41. Distribution of business amongst Benches.** [Omitted by s.11, *ibid.* (w.e.f. 24-8-2010)].

**42. Power of Chairperson to transfer cases.** [Omitted by s.11, *ibid.* (w.e.f. 24-8-2010)].

**43. Decision to be by majority.** [Omitted by s.11, *ibid.* (w.e.f. 24-8-2010)].

**44. Right of appellant to take assistance of legal practitioner or accredited auditor and of Government to appoint presenting officers.**—(1) A person preferring an appeal to the Appellate Tribunal under this Act may either appear in person or take the assistance of a legal practitioner or an accredited energy auditor of his choice to present his case before the Appellate Tribunal, as the case may be.

(2) The Central Government or the State Government may authorise one or more legal practitioners or any of its officers to act as presenting officers and every person so authorised may present the case with respect to any appeal before the Appellate Tribunal, as the case may be.

**45. Appeal to Supreme Court.**—Any person aggrieved by any decision or order of the Appellate Tribunal, may, file an appeal to the Supreme Court within sixty days from the date of communication of

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the decision or order of the Appellate Tribunal to him, on any one or more of the grounds specified in section 100 of the Code of Civil Procedure, 1908 (5 of 1908):

Provided that the Supreme Court may, if it is satisfied that the appellant was prevented by sufficient cause from filing the appeal within the said period, allow it to be filed within a further period not exceeding sixty days.

## CHAPTER X

### MISCELLANEOUS

**46. Power of Central Government to issue directions to Bureau.**—(1) Without prejudice to the foregoing provisions of this Act, the Bureau shall, in exercise of its powers or the performance of its functions under this Act, be bound by such directions on questions of policy as the Central Government may give in writing to it from time to time:

Provided that the Bureau shall, as far as practicable, be given an opportunity to express its views before any direction is given under this sub-section.

(2) The decision of the Central Government, whether a question is one of policy or not, shall be final.

**47. Power of Central Government to supersede Bureau.**—(1) If at any time the Central Government is of opinion—

(a) that on account of grave emergency, the Bureau is unable to discharge the functions and duties imposed on it by or under the provisions of this Act; or

(b) that the Bureau has persistently made default in complying with any direction issued by the Central Government under this Act or in discharge of the functions and duties imposed on it by or under the provisions of this Act and as a result of such default, the financial position of the Bureau had deteriorated or the administration of the Bureau had deteriorated; or

(c) that circumstances exist which render it necessary in the public interest so to do, the Central Government may, by notification, supersede the Bureau for such period, not exceeding six months, as may be specified in the notification.

(2) Upon the publication of a notification under sub-section (1) superseding the Bureau,—

(a) all the members referred to in clauses (o), (p) and (q) of sub-section (2) of section 4 shall, as from the date of supersession, vacate their offices as such;

(b) all the powers, functions and duties which may, by or under the provisions of this Act, be exercised or discharged by or on behalf of the Bureau, shall until the Bureau is reconstituted under sub-section (3), be exercised and discharged by such person or persons as the Central Government may direct; and

(c) all property owned or controlled by the Bureau shall, until the Bureau is reconstituted under sub-section (3), vest in the Central Government.

(3) On the expiration of the period of supersession specified in the notification issued under sub-section (1), the Central Government may reconstitute the Bureau by a fresh appointment and in such case any person or persons who vacated their offices under clause (a) of sub-section (2), shall not be deemed disqualified for appointment:

Provided that the Central Government may, at any time, before the expiration of the period of supersession, take action under this sub-section.

(4) The Central Government shall cause a notification issued under sub-section (1) and a full report of any action taken under this section and the circumstances leading to such action to be laid before each House of Parliament at the earliest.

**48. Default by companies.**—(1) Where a company makes a default in complying with the provisions of clause (c) or clause (d) or clause (h) or clause (i) or clause (k) or clause (l) or clause (n) or clause (r) or clause (s) of section 14 or clause (b) or clause (c) or clause (h) of section 15, every person who at the time of such contravention was in charge of, and was responsible to the company for the conduct of the business of the company, as well as the company, shall be deemed to have acted in contravention of the

said provisions and shall be liable to be proceeded against and imposed penalty under section 26 accordingly;

Provided that nothing contained in this sub-section shall render any such person liable for penalty provided in this Act if he proves that the contravention of the aforesaid provisions was committed without his knowledge or that he exercised all due diligence to prevent the contravention of the aforesaid provision.

(2) Notwithstanding anything contained in sub-section (1), where any contravention of the provisions of clause (c) or clause (d) or clause (h) or clause (i) or clause (k) or clause (l) or clause (n) or clause (r) or clause (s) of section 14 or clause (b) or clause (c) or clause (h) of section 15 has been committed with the consent or connivance of, or is attributable to, any neglect on the part of, any director, manager, secretary or other officer of the company, such director, manager, secretary or other officer shall also be deemed to have contravened the said provisions and shall be liable to be proceeded for imposition of penalty accordingly.

*Explanation.*—For the purposes of this section, “company” means a body corporate and includes a firm or other association of individuals.

**49. Exemption from tax on income.**—Notwithstanding anything contained in the Income-tax Act, 1961 (43 of 1961) or any other enactment for the time being in force relating to tax on income, profits or gains—

(a) the Bureau;

(b) the existing Energy Management Centre from the date of its constitution to the date of establishment of the Bureau,

shall not be liable to pay any income-tax or any tax in respect of their income, profits or gains derived.

**50. Protection of action taken in good faith.**—No suit, prosecution or other legal proceeding shall lie against the Central Government or Director-General or Secretary or State Government or any officer of those Governments or State Commission or its members or any member or officer or other employee of the Bureau for anything which is in good faith done or intended to be done under this Act or the rules or regulations made thereunder.

**51. Delegation.**—The Bureau may, by general or special order in writing, delegate to any member, member of the committee, officer of the Bureau or any other person subject to such conditions, if any, as may be specified in the order, such of its powers and functions under this Act (except the powers under section 58) as it may deem necessary.

**52. Power to obtain information.**—Every designated consumer or manufacturer of equipment or appliance specified under clause (b) of section 14 shall supply the Bureau with such information, and with such samples of any material or substance used in relation to any equipment or appliance, as the Bureau may require.

**53. Power to exempt.**—If the Central Government or the State Government is of the opinion that it is necessary or expedient so to do in the public interest, it may, by notification and subject to such conditions as may be specified in the notification, exempt any designated consumer or class of designated consumers from application of all or any of the provisions of this Act:

Provided that the Central Government or the State Government, as the case may be, shall not grant exemption to any designated consumer or class of designated consumers for a period exceeding five years:

Provided further that the Central Government or the State Government, as the case may be, shall consult the Bureau of Energy Efficiency before granting such exemption.

**54. Chairperson, Members, officers and employees of the Appellate Tribunal, Members of State Commission, Director-General, Secretary, members, officers and employees of the Bureau to be public servants.**—The <sup>\*\*\*\*</sup> members, Director-General, Secretary, officers and other employees of the Bureau shall be deemed, when acting or purporting to act in pursuance of any of the provisions of this Act, to be public servants within the meaning of section 21 of the Indian Penal Code (45 of 1860).

1. Certain words omitted by Act of 28 of 2010, s. 12 (w.e.f. 24-8-2010).

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**55. Power of Central Government to issue directions.**—The Central Government may give directions to a State Government or the Bureau as to carrying out into execution of this Act in the State.

**56. Power of Central Government to make rules.**—(1) The Central Government may, by notification, make rules for carrying out the provisions of this Act.

(2) In particular, and without prejudice to the generality of the foregoing power, such rules may provide for all or any of the following matters, namely:—

(a) such number of persons to be appointed as members by the Central Government under clauses (o), (p) and (q) of sub-section (2) of section 4;

(b) the fee and allowances to be paid to the members under sub-section (5) of section 4;

(c) the salary and allowances payable to the Director-General and other terms and conditions of his service and other terms and conditions of service of the Secretary of the Bureau under sub-section (4) of section 9;

(d) the terms and conditions of service of officers and other employees of the Bureau under sub-section (2) of section 10;

(e) performing such other functions by the Bureau, as may be prescribed, under clause (u) of sub-section (2) of section 13;

(f) the energy consumption norms and standards for designated consumers under clause (g) of section 14;

(g) prescribing the different norms and standards for different designated consumers under the proviso to clause (g) of section 14;

(h) the form and manner and the time within which information with regard to energy consumed and the action taken on the recommendations of the accredited energy auditor be furnished under clause (k) of section 14;

(i) the form and manner in which the status of energy consumption be submitted under clause (i) of section 14;

(j) the minimum qualifications for <sup>1</sup>[energy auditors and energy managers] under clause (m) of section 14;

(k) the form and manner for preparation of scheme and its implementation under clause (o) of section 14;

(l) the energy conservation building codes under clause (p) of section 14;

<sup>2</sup>[(la) prescribing the procedure for issuing the energy savings certificate under sub-section (1) of section 14A;

(laa) the value of per metric ton of oil equivalent of energy consumed under section 14B;]

(m) the matters relating to inspection under sub-section (2) of section 17;

(n) the form in which, and the time at which, the Bureau shall prepare its budget under section 22;

(o) the form in which, and the time at which, the Bureau shall prepare its annual report under section 23;

(p) the form in which the accounts of the Bureau shall be maintained under section 25;

(q) the manner of holding inquiry under sub-section (1) of section 27;

(r) the form and fee for filing appeal under sub-section (2) of section 31;

<sup>3</sup>\* \* \* \* \*

1. Subs. by Act 28 of 2010, s. 13, for "energy managers" (w.e.f. 24-8-2010).

2. Ins. by s. 13, *ibid.* (w.e.f. 24-8-2010).

3. Cls. (s), (t) and (u) omitted by s. 13, *ibid.* (w.e.f. 24-8-2010).

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(v) any other matter which is to be, or may be, prescribed, or in respect of which provision is to be made, or may be made, by rules.

**57. Power of State Government to make rules.**—(1) The State Government may, by notification, make rules for carrying out the provisions of this Act and not inconsistent with the rules, if any, made by the Central Government.

(2) In particular, and without prejudice to the generality of the foregoing power, such rules may provide for all or any of the following matters, namely:—

(a) energy conservation building codes under clause (a) of section 15;

(b) the form, the manner and the period within which information with regard to energy consumption shall be furnished under clause (h) of section 15;

(c) the person or any authority who shall administer the Fund and the manner in which the Fund shall be administered under sub-section (4) of section 16;

(d) the matters to be included for the purposes of inspection under sub-section (2) of section 17;

(e) any other matter which is to be, or may be, prescribed, or in respect of which provision is to be made, or may be made, by rules.

**58. Power of Bureau to make regulations.**—(1) The Bureau may, with the previous approval of the Central Government and subject to the condition of previous publication, by notification, make regulations not inconsistent with the provisions of this Act and the rules made thereunder to carry out the purposes of this Act.

(2) In particular, and without prejudice to the generality of the foregoing power, such regulations may provide for all or any of the following matters, namely:—

(a) the times and places of the meetings of the Governing Council and the procedure to be followed at such meetings under sub-section (1) of section 5;

(b) the members of advisory committees constituted under sub-section (2) of section 8;

(c) the powers and duties that may be exercised and discharged by the Director-General of the Bureau under sub-section (6) of section 9;

(d) the levy of fee for services provided for promoting efficient use of energy and its conservation under clause (n) of sub-section (2) of section 13;

(e) the list of accredited energy auditors under clause (o) of sub-section (2) of section 13;

[<sup>1</sup>(f) the qualifications, criteria and conditions subject to which a person may be accredited as an energy auditor and the procedure for such accreditation under clause (p) of sub-section (2) of section 13;]

(g) the manner and the intervals of time in which the energy audit shall be conducted under clause (q) of sub-section (2) of section 13;

(h) certification procedure for <sup>2</sup>[energy auditors and energy managers] under clause (r) of sub-section (2) of section 13;

(i) particulars required to be displayed on label and the manner of their display under clause (d) of section 14;

(j) the manner and the intervals of time for conduct of energy audit under clause (h) or clause (s) of section 14;

(k) the manner and the intervals of time for conducting energy audit by an accredited energy auditor under clause (c) of section 15;

(l) any other matter which is required to be, or may be, specified.

**59. Rules and regulations to be laid before Parliament and State Legislature.**—(1) Every rule made by the Central Government and every regulation made under this Act shall be laid, as soon as may

1. Subs. by Act 28 of 2010, s. 14, for clause (f) (w.e.f. 24-8-2010).

2. Subs. by s. 14, *ibid.*, for "energy managers" (w.e.f. 24-8-2010).

be after it is made, before each House of Parliament while it is in session, for a total period of thirty days which may be comprised in one session or in two or more successive sessions, and if, before the expiry of the session immediately following the session or the successive sessions aforesaid, both Houses agree in making any modification in the rule or regulation, or both Houses agree that the rule or regulation should not be made, the rule or regulation shall thereafter have effect only in such modified form or be of no effect, as the case may be; so, however, that any such modification or annulment shall be without prejudice to the validity of anything previously done under that rule or regulation.

(2) Every rule made by the State Government shall be laid, as soon as may be after it is made, before each House of the State Legislature where it consists of two Houses, or where such Legislature consists of one House, before that House.

**60. Application of other laws not barred.**—The provisions of this Act shall be in addition to, and not in derogation of, the provisions of any other law for the time being in force.

**61. Provisions of Act not to apply in certain cases.**—The provisions of this Act shall not apply to the Ministry or Department of the Central Government dealing with Defence, Atomic Energy or such other similar Ministries or Departments or undertakings or Boards or institutions under the control of such Ministries or Departments as may be notified by the Central Government.

**62. Power to remove difficulty.**—(1) If any difficulty arises in giving effect to the provisions of this Act, the Central Government may, by order, published in the Official Gazette, make such provisions not inconsistent with the provisions of this Act as may appear to be necessary for removing the difficulty:

Provided that no such order shall be made under this section after the expiry of two years from the date of the commencement of this Act.

(2) Every order made under this section shall be laid, as soon as may be after it is made, before each House of Parliament.

Vitendra



THE SCHEDULE

[See section 2(s)]

LIST OF ENERGY INTENSIVE INDUSTRIES AND OTHER ESTABLISHMENTS <sup>1\*\*\*</sup>

1. Aluminium;
2. Fertilizers;
3. Iron and Steel;
4. Cement;
5. Pulp and paper;
6. Chlor Alkali;
7. Sugar;
8. Textile;
9. Chemicals;
10. Railways;
11. Port Trust;
12. Transport Sector (industries and services);
13. Petrochemical, Gas Crackers, Naphtha Crackers and Petroleum Refineries;
14. Thermal power stations, hydel power stations, electricity transmission companies and distribution companies;
15. Commercial buildings or establishments.

*Vitendra*

1. The words "specified as designated consumers" omitted by Act of 28 of 2010, s. 15 (w.e.f. 24-8-2010).

288831 MF

Annexure-C

Most Immediate

No.25(24)/E.Coord/2017  
Government of India  
Ministry of Finance  
Department of Expenditure  
\*\*\*\*\*

North Block, New Delhi  
Dated: 01 December, 2017

OFFICE MEMORANDUM

**Subject: Economy Measures- Mandatory installation of LED based lightings in Government Buildings- reg.**

Reference is invited to this Department's OM of even number dated 04.08.2017 wherein all Ministries/Departments were requested to convert the existing lightings/equipments into LED based lightings and energy efficient equipments on priority utilizing the services of CPWD/EESL. The model Agreement/Contract to be entered in to between the Client Ministry/Department and EESL was also circulated.

2. Recently, the implementation progress of LED based lightings was reviewed by Group of Officers vide meeting in Cabinet Secretariat on 07.11.2017. During deliberations, some of the Ministries/Departments informed about the time taken in obtaining administrative approvals and financial concurrence.

3. The mandatory installation of LED based lightings in Government buildings is a time bound activity. Hence, it is requested of all Financial Advisors to facilitate expeditious processing of the LED based lighting installation proposals received in their Divisions.

an  
5/12/2017  
DGS/EXPT

To:

All Financial Advisors of Ministries/Departments

Copy to:

Cabinet Secretariat [Shri S.A.M. Rizvi, Joint Secretary]

*Amal Kumar*

(Annie G Mathew)  
Joint Secretary (Pers.)  
Tel.:2309 3283

35 GSM/A/17  
6/12

543/ADH(0)/17  
11/12/17

242  
7/12/17  
Sh. S.N. Singh  
20/12

Circulate pl to all concerned and field units  
*Handwritten signatures and initials*  
19/12

Annexure-ICENTRAL ELECTRICITY REGULATORY COMMISSION  
NEW DELHIPetition No. 270/GT/2019Coram:  
Shri P.K. Pujari, Chairperson  
Shri I.S. Jha, MemberDate of Order: 13<sup>th</sup> July, 2020

In the matter of

Petition for revision of tariff of SUGEN Power Plant (1147.5 MW) for the period from 1.4.2014 to 31.3.2019 after truing-up exercise

AND

In the matter of

Torrent Power Ltd  
Torrent House, Off Ashram Road,  
Near Income Tax Circle,  
Ahmedabad - 380009

...Petitioner

Vs

1. Torrent Power Ltd (Ahmedabad Distribution)  
Electricity House, Lal Darwaja,  
Ahmedabad - 3800012. Torrent Power Ltd (Surat Distribution)  
Torrent House, Station Road,  
Surat - 3950033. PTC India Ltd.  
2nd floor, NBCC Tower,  
Bhikhaji Cama Place,  
New Delhi - 1100664. Madhya Pradesh Power Management Co. Ltd.  
Shakti Bhavan, Vidyut Nagar,  
Jabalpur - 482008

...Respondents

Parties Present:

Ms. Swapna Seshadri, Advocate, TPL  
Ms. Deepa Chawan, Advocate, TPL  
Shri Damodar Solanki, Advocate, TPL  
Shri Lalit Vashisth, TPL  
Shri Vihar Patel, TPL  
Shri N.K. Joshi, TPL  
Shri Ravi Kishore, Advocate, PTC  
Shri Ravindra Khare, MPPMCL

expenditure under 'Routine Capital Expenditure', the claim of the Petitioner for additional capitalisation of Rs 23.37 lakh is not allowed. Further, the Petitioner has not furnished any technical details or justification with supporting documents as regards the claim for additional capitalisation of Rs 29.04 lakh towards 'Plant & Machinery'. In absence of any details/ justification, the claim of the Petitioner for Rs 29.04 lakh under this head is not allowed. Accordingly, the total additional capital expenditure of Rs 52.41 lakh (Rs. 23.37 lakh plus Rs. 29.04 lakh) claimed in 2014-15 is not allowed for capitalization.

#### 2015-16

18. The Petitioner has claimed additional capital expenditure of Rs 215.27 lakh during 2015-16 along with justification as under:

	Regulation	Amount (Rs in lakh)	Remarks
1	Buildings Routine Capital Expenditure	4.01	Miscellaneous Civil Work
2	Electrical Fittings and Apparatus	-do-	32.20
3	Furniture & Fixtures	-do-	1.04
4	Office Equipment	-do-	10.50
5	Vehicle	14 (3) (vii)	80.66 Replacement of old vehicles due to obsolescence
6	Plant & Machineries	14 (3) (i) & 14 (3) (vii)	86.87 (i) Solar Power Roof Top System for Rs.35 lakh which has resulted into reduction of auxiliary consumption and benefits to beneficiaries in terms of sharing of ECR gain.  (ii) PSA Nitrogen Gas Plant for Rs.22.44 lakh. The preservation of plant requires handling of Nitrogen Cylinder. Handling of Nitrogen Cylinder involves risk of transportation, handling and monitoring, timely delivery, etc. For safety, better management, economic and efficient management of Nitrogen, PSA Nitrogen Gas Plant was installed.  (iii) To meet the regulatory requirement of Gujarat Pollution Control Board, TOC Analyser was

			installed at a cost of Rs.17.28 lakh.
			(iv) To protect the servers and data network, an automated fire-fighting system was installed at a cost of Rs.5.41 lakh.
	Total	215.27	

19. It is noticed that the Petitioner has claimed additional capital expenditure of Rs.4.01 lakh on Miscellaneous Civil Works (Buildings) claimed under 'Routine Capital Expenditure'. Since Regulation 14(3) of the 2014 Tariff Regulations do not provide for capitalization of expenditure under 'Routine Capital Expenditure', the claim of the Petitioner for additional capitalisation of Rs 4.01 lakh is not allowed.

20. The Petitioner has also claimed additional capital expenditure of Rs.32.20 lakh towards Electrical Fittings & Apparatus, Rs.1.04 lakh towards Furniture & Fixtures and Rs.10.50 lakh for Office Equipment under 'Routine Capital Expenditure'. The cut-off date of the generating station is 31.3.2011. It is pertinent to mention that the proviso to Regulation 14(3) of the 2014 Tariff Regulations do not provide for capitalisation of minor assets including assets like furniture, office equipment etc., after the cut-of date of the generating station. Accordingly, the expenditure of Rs.32.20 lakh towards Electrical Fittings & Apparatus, Rs.1.04 lakh towards Furniture & Fixtures and Rs.10.50 lakh towards Office Equipment as claimed by the Petitioner in 2015-16 is not allowed to be capitalized for the purpose of tariff.

21. As regards the claim for additional capitalization of Rs.80.66 lakh towards Replacement of Vehicles, it is observed that the Petitioner has also de-capitalized an amount of Rs.37.81 lakh in 2015-16 towards 'Old Vehicles' taken out of service. It is further observed that for the period 2014-19, the Petitioner has de-capitalized Vehicles amounting to Rs.257 lakh as against the capitalization of Rs.131 lakh towards 'new Vehicles'. Accordingly, the need-based additional capitalization of

Rs.80.66 lakh towards the procurement of 'new vehicles' is allowed for the purpose of tariff as the same was necessary due to obsolescence of the old vehicles taken out from service. The de-capitalization of the amount towards 'old vehicles' has been dealt with under the head 'Deletions'.

22. The Petitioner has claimed additional capitalization of Rs.86.87 lakh towards 'Plant and Machinery' under Regulation 14(3)(i) read with Regulation 14(3)(vii) of the 2014 Tariff Regulations. The assets claimed under these regulations have been categorized as 'Solar Power Roof Top System', 'PSA Nitrogen Gas Plant' and 'Automated Fire Fighting System'.

23. As regards the claim for additional capitalisation of Rs.35 lakh towards installation of 'Solar Power Roof Top System', the Petitioner has submitted as follows:

*"Solar Power Roof Top System for Rs.35 lacs which has resulted into reduction of auxiliary consumption and benefits to beneficiaries in terms of sharing of ECR gain"*

It is pertinent to mention that the energy generated from Solar Power Roof Top System installed at the generating station would meet some of the auxiliary energy requirements of the generating station and to that extent, the ex-bus energy available to the beneficiaries would increase. Considering the resolve of the Central Government to promote renewable energy and in terms of Regulation 8(6) of the 2014 Tariff Regulations which provide for sharing of gains in respect of variation of Auxiliary Energy consumption (by way of lower ECR because of lower auxiliary consumption in comparison to normative auxiliary consumption), we allow the additional capital expenditure of Rs.35 lakh incurred by the Petitioner towards the installation of Solar Power Roof Top System.

4/4



एन टी पी सी लिमिटेड  
(भारत सरकार का उद्यम)

**NTPC Limited**  
(A Government of India Enterprise)

बार्ह  
BARH

Completion Certificate

Number / Date: 17.02.2018

IFB No. CS- 9560-102-2

Steam Generator & Aux. package for Barh Stage-II(2X660MW)  
CS-9560-102-2-FC-COA-5090, CS-9560-102-2-SC-COA-5091, CS-9560-102-2-TC-COA-5092  
dt.31.03.2008

To  
The Construction Manager,  
BHEL- PSER ,  
Barh Site.

Dear Sir,

Pursuant to GCC clause 24 (Completion of the Facilities) of the General Conditions of the Contract entered into between yourselves and the Employer dt.31.03.2008, relating to the Steam Generator & Aux. package for Barh Stage-II(2X660MW), we hereby notify you that the following parts of the facilities were complete on the date specified below, and that, in accordance with the terms of the Contract, the Employer hereby takes over the parts of the facilities, together with the responsibility for care and custody and the risk of loss thereof on the date mentioned below:

1. Description of facilities : Steam Generator & Aux. package, Unit # 4 & Unit #5 for Barh Stage-II(2X660MW)
2. Date of Completion : Unit # 4 : 17.02.2018  
: Unit # 5 : 17.02.2018

However, you are required to complete the outstanding items, balance work/defects listed in the attachment hereto as soon as possible.

This letter does not relieve you of your obligation to complete the execution of the facilities including Guarantee tests in accordance with the contract nor of your obligations during the defect liability period.

Very truly yours,

*Vinod Choudhary*

(Vinod Choudhary)  
Executive Director

Received on 21/2/18  
17/02/18  
(Vijay Singh)  
*Vitendra*



## UNITECH MACHINES LIMITED

(Engineering Division)

Head Office : "UM House", Plot No. 35P, Sector-44, Gurgaon-122 002 (Haryana) INDIA  
 Phone No. : +91-124-4326444, Fax No. : +91-124-4326400  
 E-mail Id : marketing@unitechmachines.com, Website : www.umgroup.in



P-274/P-277/P-279/560

March 20, 2019

**M/s. NTPC Ltd.**  
 Barh STPP, P.O. Barh,  
 Distt. Patna, Bihar - 803 215

Kind Attn.: **Shri P.K. Pramanik- AGM (ME-IV) / Sh. J.P. Roy - AGM (ME)**

Sub. : Station Piping, FDPS and AWRS Packages for Barh STPP, Stage-II (2x660 MW) -  
**UML admitted into NCLT - Clarification on Company to remain an ongoing concern - Reg.**

Ref. : COA No. CS-9560-131-2-FC/SC-COA-5374/75 both dtd. 16/11/2009 - Station Piping Package

: COA No. CS-9560-151-2-FC/SC/TC-COA-5438/39/40 all dtd. 11/01/2010 - FDPS Package

: COA No. CS-9560-186-2-FC/SC-NOA-5465/66 dated 25/01/2010 (AWRS)

Dear Sir,

This refers to the subject Packages under peak of its execution/completion, we would like to mention that the Company has been admitted into NCLT vide Order dated 01.03.2019. copy of Material Notification appeared in the newspaper - Business Standard dated 07.03.2019 is attached herewith.

As advised by the Resolution Professional - Mr. Vivek Raheja, we would like to clarify that the Company will be kept as on going Organisation and all the activities will remain operational which may please be noted with a request for your supports.

Meantime, we request for a CRM at the earliest to discuss and take it further on the balance activities to complete the Packages by creating confidence by the RP.

Thanking you,

Yours faithfully,  
 For **UNITECH MACHINES LIMITED**

*[Handwritten Signature]*  
**[K. PREMKUMAR]**

Encl. : As stated above

248

*[Handwritten Signature]*



**FORM B**  
**PUBLIC ANNOUNCEMENT**  
(Regulation 12 of the Insolvency and Bankruptcy (Liquidation Process) Regulations, 2016)  
**FOR THE ATTENTION OF THE STAKEHOLDERS OF**  
**D C INDUSTRIAL PLANT SERVICES PVT LTD.**

Sl. No.	PARTICULARS	DETAILS
1.	Name of the corporate debtor	D C Industrial Plant Services Pvt.Ltd.
2.	Date of incorporation of corporate debtor	08/06/1983
3.	Authority under which corporate debtor is incorporated / registered	Registrar of Companies, Kolkata under the provisions of Companies Act,1956
4.	Corporate Identity Number of corporate debtor	CIN:U45202WB1983PTC036391
5.	Address of the registered office and principle office (if any) of corporate debtor	6A, South Block, Park Plaza 71, Park Street Kolkata West Bengal 700016 India
6.	Date of closure of insolvency resolution process	09/06/2019
7.	Liquidation commencement date of corporate debtor	19/06/2019(order received on 20.06.2019)
8.	Name, and the registration number of the liquidator	Mr. Ram Ratan Modi IBBI/PA-001/IP-P00051/2017-2018/10125
9.	Address and email of the liquidator, as registered with the Board	Merlin Links 2nd Floor ,Room No.2F 166B, S.P. Mukherjee Road . Kolkata,West Bengal ,700026 Email: rramodi@gmail.com
10.	Address and email to be used for correspondence with the liquidator	Address – Resurgent Resolution Professionals LLP, CFB F-1, Paridhan Garment Park, 19, Canal South Road Kolkata-700015 Email:- liquidator.dcindustrial@gmail.com
11.	Last date for submission claims	19.07.2019

Notice is hereby given that the Hon'ble National Company Law Tribunal, Kolkata Bench has ordered the commencement of liquidation of the D C Industrial Plant Services Pvt. Ltd on 19<sup>th</sup> June 2019 under section 33 of the Code.

The stakeholders of the D C Industrial Plant Services Pvt. Ltd. are hereby called upon to submit their claims with proof on or before 19<sup>th</sup> July 2019, to the liquidator at the address mentioned against item No. 10.

The financial creditors shall submit their claims with proof by electronic means only. All other creditors may submit the claims with the proof in person, by post or by electronic means.

Submission of false or misleading proof of claims shall attract penalties.

Date: 21.06.2019

Place: Kolkata

*Ramodi,*

Ram Ratan Modi

Name & Signature of Liquidator

# ANNEXURE - 3



1988 2017

एन टी पी सी लिमिटेड

एन टी पी सी लिमिटेड

**NTPC Limited**

A Government of India Enterprise

## Forms of Part Completion Certificate, Barh

Form No. 101 No. 101/2018 Date: 20/07/2018

### Coal Handling Package for Barh STPP Stage II (2x660MW)

M. No. 101  
101/2018  
Barh STPP  
Coal Handling Package for Barh STPP Stage II (2x660MW)

Barh

Reference is made to the letter of appointment dated 15th Feb 2018, wherein you were appointed as the Project Engineer in-charge for the supply, erection, testing and commissioning of Coal Handling Package for Barh STPP Stage II (2x660MW) vide Contract No. 101/2018 dated 15th Feb 2018. We hereby notify you that the following parts of the facilities were complete on the site specific dates, notified in accordance with the terms of the contract. The Employer hereby takes over the said parts of the facilities together with the responsibility for care and custody and the risk of loss thereafter on the date mentioned below:

(A) Description of the Facilities, in part thereof:

- Interconnect Stream as: Conv 27 -> Conv 28 -> Conv 18A/B -> Conv 19A/B -> Conv 20A/B -> Conv 22A/B (Unit # IV) or Conv 21A/B -> Conv 23A/B (Unit # V)
- Direct Conveying Stream from Track Hopper to stage II units
- Stacker Reclaimer # 3 for stacking and reclaiming mode
- Wagon Tippler # 4 and its associated conveyor
- Wagon Tippler # 4 and its associated conveyor
- Transfer Rollers # 4 for stacking and reclaiming mode

(B) Date of completion: 15th Feb 2018

However, you are required to complete the outstanding items listed in the attachment (Annexure II) here to as soon as practicable.

This letter does not relieve you of your obligation to complete the execution of the facilities including Guarantee Tests in accordance with the Contract nor of your obligations during the Defects Liability Periods.

Very truly yours,

(Krishnendu Adhikari)

GM Project- Barh STPP

बिहार सुपर थर्मल पावर प्रोजेक्ट बिहार काट जिला परना 803215 (बीएन) प्रभाग 06132-240010/240014/240062  
Barh Super Thermal Power Project (BTP) Barh District Patna 803215 (Bihar) - Phone: 06132-240010/240014/240062  
फकीकत जानकारी साठी कृपया बिहार सरकार, इन्फोर्मेशन एंड पब्लिक रिलेशन्स विभाग, एन टी पी सी लिमिटेड कॉम्प्लेक्स, एम्प्लोयी अरिया, कोल रोड, नया दिल्ली

250

# ANNEXURE - 4



एन टी पी सी लिमिटेड  
(भारत सरकार का उद्यम)  
**NTPC Limited**  
(A Government of India Enterprise)

संदर्भ संख्या / Ref No. **IFB No:- COF/UML/SP- ST-II/01**

बाढ़ / Barh

दिनांक / Date

**07.09.2018**

## Forms of Completion Certificate

### **Station Piping Package, Stage-II at Barh STPP (2x660MW)**

To,  
M/s Unitech Machines Ltd.,  
UM House, Plot No. 35P,  
Sector-44, Gurgaon, 122002  
Fax No: - 01336-246846

Dear Sirs,

Pursuant to GCC Clause 24 (completion of the facilities) of the General conditions of the contract entered into between yourselves and the Employer dated: 16.11.2009 relating to the supply, erection, testing and successful completion of facilities under Station Piping Package, Stage-II at Barh STPP (2x660MW) vide COA Ref. - CS-9560-131-2-FC/SC-COA-5374/5375 DTD: 16.11.2009. We hereby notify you that the following parts of the facilities were completed on the date specified below, and that, in accordance with the terms of the contract, the Employer hereby takes over the said parts of the facilities, together with the responsibility for care and custody and the risk of loss therefore on the date mentioned below.

01.] Description of the Facilities or part thereof:

DM Make-Up System, Boiler Fill System, Station Auxiliary Cooling Water System, Clarified Water System, CW- Blow Down System, Ventilation Make-up System, Drinking Water System, Service Water System, Instrument Air System, Plant Air System, Condenser Emergency Make-Up System, Condensate Spill System, Clarifier Sludge Disposal System, DM Neutralization Pit Effluent Disposal System, Waste Water System, Treated Water System, Make-up water System (Scope of supply only).

02.] Date of completion: **14<sup>th</sup> February-2018.**

However, you are required to complete the outstanding items listed in the attachment **Annexure** here to as soon as practicable.

This letter does not relieve you of your obligation to complete the execution of the facilities in accordance with the Contract nor of your obligations during the Defects Liability Periods.

Very truly yours

(Krishnendu Adhikari)

GM Project- Barh STPP

**Note: - This has been issued on the approval of competent authority vide Notesheet Ref. No. :**

**4400/Barh/ME-IV/2018/120 dated 09.08.2018 by ED NTPC Barh.**

बाढ़ सुपर थर्मल पावर प्रोजेक्ट, पोस्ट : बाढ़, जिला : पटना- 803213 (बिहार) दूरभाष : 06132-240011 / 12 / 13 फ़ैक्स : 06132-240010, 240014

Barh Super Thermal Power Project, Post : Barh, District : Patna- 803213 (Bihar) Phone: 06132-240011 / 12 / 13 Fax : 06132-240010, 240014

पंजीकृत कार्यालय : एनटीपीसी भवन, स्कोप कॉम्प्लेक्स, 7 फ़ाईव्हाइक्यूएन एरिया, लोदी रोड, नई दिल्ली-3, Regd. Off. NTPC Bhawan, Scope Complex 7, Institutional Area, Lodhi Road, New Delhi-3

ANNEXURE III (Con. d.)  
NATIONAL THERMAL POWER CORPORATION LTD.

.....SUPER THERMAL POWER PROJECT

Project Dept.

Certificate No. V.T/198/02

RECORD OF INITIAL OPERATION CERTIFICATE

Contract CS:DSAO:148:2:SG:COH-S256

Contract Ref:CS:DSAO:148:2:SG:COA-S256

Contractor C.P.C.P.:2:SG:(P) Ltd.

Name and Location of Plant

Unit # IV Air Row Side Air Washer  
CENTRIFUGAL PUMP 72 HOURS SUCCESSFULLY COMPLETED  
Case No. 1, DATE - 02/05/17 to 05/05/17 Time 8.30 PM

Initial operation

The plant satisfactorily completed its initial  
run on 02/05/17 in the presence of the  
witnesses. The defects and omissions noticed  
during trial run that are to be liquidated by the  
contractor is also attached.

Project Dept.

(Signed) Vinod Kumar

Project Dept.

(Signed) Piyush Kumar

Contractor

(Signed) Arun Kumar



Vinod Kumar

ANNEXURE III

ANNEXURE III (Contd.)

Defects or omissions found on initial operation

Defects or Omissions

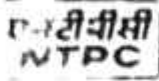
Contract Ref:

- 1) Fan #1 Outlet Damper is Passing.
- 2) 5 Nos of Fire Dampers in Discharge Air Duct is Not Available.  
(Motorised)

Note :

- a) To be issued only after the issue of safety clearance certificate
- b) All the maintenance as well as the equipment lubrication of the plant under consideration will be the responsibility of the contract even after issue of this certificate. Defects and omissions noticed during the test run should be liquidated by contractor.
- c) This certificate should be issued after obtaining all operation and maintenance volumes erections/PQA log sheets pertaining to the equipment under consideration

Vitendra



एन टी पी सी लिमिटेड

(INCORPORATED IN INDIA)

**NTPC Limited**

(A Government Undertaking)

बाढ़ / Barh

दिनांक : (Date) 20/03/2017

संदर्भ संख्या : Ref No.

### Completion Certificate

IEB No. CS-9560-110-2

Steam Turbine Generator package for Barh STPP, Stage-II (2X660 MW)  
CS-9560-110-2-FC-NOA-5165, CS-9560-110-2-SC-NOA-5166 & CS-9560-110-2-TC-NOA-5167  
dt 14/10/2008

To,  
The Construction Manager,  
BHEL- PSER,  
Barh Site

Dear Sir,

Pursuant to GCC clause 24 (Completion of the Facilities) of the General Conditions of the Contract entered into between yourselves and the Employer dt. 14/10/2008, relating to the Steam Turbine Generator package for Barh Stage-II(2X660MW), we hereby notify you that the following parts of the facilities were complete on the date specified below, and that, in accordance with the terms of the Contract, the Employer hereby takes over the parts of the facilities, together with the responsibility for care and custody and the risk of loss thereof on the date mentioned below:

1. Description of facilities: Steam Turbine Generator package, Unit #5 for Barh Stage-II(2X660MW)
2. Date of Completion : 20/03/2017

However, you are required to complete the outstanding items, balance work/defects listed in the attachment hereto as soon as possible.

This letter does not relieve you of your obligation to complete the execution of the facilities including Guarantee tests in accordance with the contract nor of your obligations during the defect liability period.

Very truly yours,

  
for (Balaji Iyengar)

Group General Manager (Barh)

बाढ़ सुपर थर्मल पावर प्रोजेक्ट, पोस्ट : बाढ़, जिला : पटना- 803213 (बिहार) दूरभाष : 06132-240011 / 12 / 13 फैक्स : 06132-240010, 240014  
Barh Super Thermal Power Project, P.O. Barh, District Patna- 803213 (Bihar) Phone : 06132-240011 / 12 / 13 Fax : 06132-240010, 240014  
पंजीकृत कार्यालय: एनटीपीसी भवन, 7 इन्स्टीट्यूशनल एरिया, लोधी रोड, नई दिल्ली-110001 Regd. Off.: NTPC Bhawan, Scope Complex, 7, Institutional Area, Lodhi Road, New Delhi-110001

ANNEXURE - C

15

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**एनटीपीसी लिमिटेड**  
(एनटीपीसी लिमिटेड)  
**NTPC Limited**  
(A Govt. of India Enterprise)

(Formerly National Thermal Power Corporation Ltd.)

Barh

Ref: - 4400/Barh/CCD/2021/783

Date: - 16.07.2021

To,

**Sr. Manager (Project)**  
NCC Ltd,  
NTPC Campus,  
NTPC-BSTPP  
Barh, Bihar

**Kind Attention – Sh. B. C. pall**

**Subject: - CW System and Make up Water System Civil Works Package for Barh STPP Stage-II-  
Reg. Work Completion certificate.**

**Ref.: - LOA No. CS-9560-318A-9(R) 5478 DATED 22.03.2010**

Dear Sir,

This has reference to your letter reference no. NCC/PCPL/NTPC/BARH/2020-21/1022 dated 23.01.2021 regarding above cited subject matter. Pursuant to GCC clause 31.1 (Completion certificate) and your request, we hereby notify that works of "CW System and Make up Water System Civil Works Package for Barh STPP Stage-II" has been physically completed as detailed below: -

Unit Rate Portion – 31.08.2018

Lump Sum Portion – 30.06.2019

Duly signed "Work Completion Certificate" along with jointly signed defect list is attached herewith as **Annexure A.**

In accordance with the terms of the contract, the employer hereby takes over the said package structures together with the responsibility for care and custody and risk of loss thereof from the date mentioned above.

M/s NCC Ltd. is required to complete all the outstanding works and defects as per attached jointly signed defect list and provisions of the contract.

This letter does not relieve M/s NCC Ltd. of their obligations as per provisions of the contract.

Thanking you.

For and on behalf of NTPC Ltd.

  
(S. G. Dhabu)  
AGM (CCD)

एस० जी० डबू  
S. G. DHABU  
अपर महाप्रबंधक (सिविल)  
Addl. General Manager (Civil)  
एनटीपीसी लि० कार्यालय, NTPC Ltd. - Barh

Copy to:

1. ED(Barh)/GM(P)/AGM(P&S) - for kind information please (through email)
2. Concerned file.





REF:NCC/PCP/NTPC/BARH/18-19/ 961

To,  
The AGM (Civil),  
Barh STPP,  
NTPC Ltd.  
P.O-Barh, Pin-803215.

*20/03/19*  
*Pl + inform HR*  
*Sh Vipin kr*  
*DCM (CO)*

Date: 16.03.2019

**Sub: CW & Make up water system package for Barh STPP, Stg-II**  
**COA No: CS-9560-318A-9(R)-5478 dtd.22.03.10**  
**Reg: Stoppage of river bank protection work by local villager**

Dear Sir,

With reference to the above subject, here we inform to you that present we are executing the Bank protection work at MW Package .we still to be execute Bank protection balance work 5 mts U/S&15 mts D/S, we have made all arengements to start the excavation work at D/S Corner balance 15 mts work to be done . but in mean time local villager VINOD SINGH stopped the work . he was not willing to give 15 mts width of land for Bank protection work. Instead off 15 mts he allowing to work only upto 12 mts. Where we can accomadate balance 3 mts width of bank protection work.

In this situation we cannot able to do work as per the committed schedule ,our mechnarics & manpower also getting idle for the last one week.requesting to resolve this issue as early as possible.

Thanking you

Yours faithfully,  
B.C.PAL

*By*  
  
Authorized signatory  
NCC

**NCC Limited**  
(Formerly Nagarjuna Construction Company Limited)  
Regional Office BF-10, Sector -1, Salt Lake, Kolkata - 700 064  
T + 91 33 2334 8219 F + 91 33 2334 8879

*Vikendra*





**NTPC Limited**  
( A Government of India Enterprise )  
**Barh Super Thermal Power Project**

P.O. BARH  
BARH PATNA  
Bihar- 803213, India  
Telephone No. : 06132-240011/12/13 Fax No. : 06132-240014

**PURCHASE ORDER**

To:  
BHARAT HEAVY ELECTRICALS LTD  
MAURYA LOK COMPLEX, BLOCK-B-1/23  
RD FLOOR: DAK BUNGLOW ROAD  
PATNA  
Bihar -800001  
India

Tel: 0612-2204847

Fax: 0612-2204847

E-Mail : PVUNLT0BHELPAYMENTS@BHEL.IN

PAN No. : AAACN0255D

CIN No. : L40101DL1975GOI007966

Vendor Code : 1062322

PAN No : AAACB4146P

**Purchase Order No. : 4000212595-M87-1028 Date: 29.10.2018 ( version : 0 )**  
**Reference** : SUPPLY OF HVR TRANSFORMERS FOR ESP AT BARH STPP.  
**Our Enquiry No.** : 9900163018 **Date** : 18.10.2018  
**Offer** : Your Quotation No.-SB318P64021JST021 dated 20.08.2018  
**Your Reference** : BID-22751 Your email dated 10.10.2018  
**Our Reference** : 1) Our NIT No.-9900163018 dated 16.08.2018  
2) Our email dated 08.10.2018

Dear Sir,

We are pleased to accept your above cited offer along with correspondences thereof and place our Purchase Order No. 4000212595-M87-1028 dated 29.10.2018 for total order value of INR 3,098,000.00 ( INR THIRTY LAKH NINETY-EIGHT THOUSAND ONLY ). Please arrange to deliver the materials as detailed in Annexure-1 & 2 subject to terms and conditions specified in Annexure-3 and in our General Purchase Conditions, other specifications and requirement. Duplicate copy of the Purchase Order may please be signed and returned back to us within 15 days of its receipt in token of acceptance of the same. If no communication is received within 15 days of receipt of Purchase Order, it will be treated that order has been accepted in entirety.

Our general purchase conditions shall form part of Purchase Order for all other clauses.

For and on Behalf of NTPC Limited

KRP Rajan  
Sr.Manager(C&M)

Enclosures

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*Vitendera*



**NTPC Limited**  
( A Government of India Enterprise )  
**Barh Super Thermal Power Project**  
P.O. BARH  
BARH PATNA

Bihar- 803213, India  
Telephone No. : 06132-240011/12/13 Fax No. : 06132-240014

**PURCHASE ORDER**

To:  
GE OIL & GAS INDIA PRIVATE LIMITED  
SF NO.608,CHETTIPALAYAM ROAD  
EACHANARI POST  
COIMBATORE  
Tamil Nadu -641021  
India

Tel: 0422-3011000

Fax: 0422-3011200

E-Mail : ANISHKUMAR.SUBRAMANIAN@GE.COM

PAN No. : AAACN0255D

CIN No. : L40101DL1975GOI007966

Vendor Code : 1001495 (SME Vendor)

PAN No : AAACD2199L

TIN No : 286407 AREA CODE 095

**Purchase Order No. : 4200048719-M37-1028**      **Date: 16.06.2018 ( version : 0 )**  
**Reference** : Supply of Super Heater Safety Valve, Stage-II, at NTPC Barh.  
**Our Enquiry No.** : 9900152180      **Date : 31.05.2018**  
**Offer** : Your offer against our NIT- 9900152180

**Our Reference** : BR/MAT/17900

Dear Sir,

We are pleased to accept your above cited offer along with correspondences thereof and place our Purchase Order No. 4200048719-M37-1028 dated 16.06.2018 for total order value of INR 9,950,000.00 ( INR NINETY-NINE LAKH FIFTY THOUSAND ONLY ). Please arrange to deliver the materials as detailed in Annexure-1 & 2 subject to terms and conditions specified in Annexure-3 and in our General Purchase Conditions, other specifications and requirement. Duplicate copy of the Purchase Order may please be signed and returned back to us within 15 days of its receipt in token of acceptance of the same. If no communication is received within 15 days of receipt of Purchase Order, it will be treated that order has been accepted in entirety.

Our general purchase conditions shall form part of Purchase Order for all other clauses.

For and on Behalf of NTPC Limited

Ashok Kumar,  
Manager(C&M)

**Enclosures**

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*Vitendra*



**NTPC Limited**  
( A Government of India Enterprise )  
**Barh Super Thermal Power Project**

**P.O. BARH**  
**BARH PATNA**  
**Bihar- 803213, India**  
**Telephone No. : 06132-240011/12/13 Fax No. : 06132-240014**

**PURCHASE ORDER**

To:  
GE OIL & GAS INDIA PRIVATE LIMITED  
SF NO.608,CHETTIPALAYAM ROAD  
EACHANARI POST  
COIMBATORE  
Tamil Nadu -641021  
India  
Tel: 0422-3011000 Fax: 0422-3011200

**PAN No. : AAACN0255D**  
**CIN No. : L40101DL1975GOI007966**  
**Vendor Code : 1001495 (SME Vendor)**  
**PAN No : AAACD2199L**  
**TIN No : 286407 AREA CODE 095**

E-Mail : ANISHKUMAR.SUBRAMANIAN@GE.COM

**Purchase Order No. : 4200049081-M37-1028 Date: 13.09.2018 ( version : 0 )**  
**Reference : PROCUREMENT OF BASE ASSEMBLY FOR MS SAFETY VALVE AT NTPC BARH STPP**  
**Our Enquiry No. : 9900157160 Date : 08.08.2018**  
**Offer : Your offer against our NIT/BI-9900157160**  
**Our Reference : BR/MAT/18236**

Dear Sir,

We are pleased to accept your above cited offer along with correspondences thereof and place our Purchase Order No. 4200049081-M37-1028 dated 13.09.2018 for total order value of INR 2,999,997.00 ( INR TWENTY-NINE LAKH NINETY-NINE THOUSAND NINE HUNDRED NINETY-SEVEN ONLY ). Please arrange to deliver the materials as detailed in Annexure-1 & 2 subject to terms and conditions specified in Annexure-3 and in our General Purchase Conditions, other specifications and requirement. Duplicate copy of the Purchase Order may please be signed and returned back to us within 15 days of its receipt in token of acceptance of the same. If no communication is received within 15 days of receipt of Purchase Order, it will be treated that order has been accepted in entirety.

Our general purchase conditions shall form part of Purchase Order for all other clauses.

For and on Behalf of NTPC Limited

Ashok Kumar  
Manager(C&M)

**Enclosures**

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*Signature*



**NTPC Limited**  
( A Government of India Enterprise )  
**Barh Super Thermal Power Project**  
P.O. BARH  
BARH PATNA  
Bihar- 803213, India

Telephone No. : 06132-240011/12/13 Fax No. : 06132-240014

**PURCHASE ORDER**

To:  
INDUSTRIAL TRADE LINKS  
LGF SHOP NO.1, SHUKLA PALACE  
18, PREM NAGAR, SAPRU MARG  
LUCKNOW  
Uttar Pradesh -226001  
India  
Tel: 9935799995

E-Mail : industrialtradelinks@gmail.com

PAN No. : AAACN0255D  
CIN No. : L40101DL1975GOI007966

Vendor Code : 1169354  
PAN No : ARVPM5555G

**Purchase Order No. : 4200049266-M62-1028**      **Date: 13.09.2018 ( version : 0 )**  
**Reference** : SUPPLY OF COMPLETE MAB 206 S-24 ASSEMBLY AT NTPC BARH STPP  
**Our Enquiry No.** : 9900154665      **Date : 01.09.2018**  
**Offer** : Your against our NIT No.- 9900154665  
**Our Reference** : BR/MAT/18258

Dear Sir,

We are pleased to accept your above cited offer along with correspondences thereof and place our Purchase Order No. 4200049266-M62-1028 dated 13.09.2018 for total order value of INR 2,075,000.00 ( INR TWENTY LAKH SEVENTY-FIVE THOUSAND ONLY ). Please arrange to deliver the materials as detailed in Annexure-1 & 2 subject to terms and conditions specified in Annexure-3 and in our General Purchase Conditions, other specifications and requirement. Duplicate copy of the Purchase Order may please be signed and returned back to us within 15 days of its receipt in token of acceptance of the same. If no communication is received within 15 days of receipt of Purchase Order, it will be treated that order has been accepted in entirety.

Our general purchase conditions shall form part of Purchase Order for all other clauses.

For and on Behalf of NTPC Limited

Ashok Kumar,  
Manager(C&M)

**Enclosures**

CC: ALFA LAVAL INDIA LTD,  
DR.GOPAL DAS BHAWAN  
12TH FLOOR, 28TH BARAKHAMA ROAD  
NEW DELHI,  
Delhi-110001  
India  
Tel: 011 41293333

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*Vitendera*



**NTPC Limited**  
( A Government of India Enterprise )  
**Eastern Region HeadQuarters**  
2ND FLOOR, LOK NAYAK JAI PRAKASH BHAWAN,  
PATNA  
Bihar- 800001, India  
Telephone No. : 0612 - 2221010 Fax No. : 0612 - 2230035

**PURCHASE ORDER**

To:  
MILLENNIUM IMPEX PVT LTD  
C#54, OKHLA INDUSTRIAL AREA, PHASE#I  
INDIA  
NEW DELHI  
Delhi -110020  
India

Tel: 011-268148702...

Fax: 011-26815416

E-Mail : SALES@MILLENNIUM-IMPEX.COM

PAN No. : AAACN0255D  
CIN No. : L40101DL1975GOI007966

Vendor Code : 1003651  
PAN No : AACCM3279J  
TIN No : 07160236676

**Kind Attention** : Suman Kr Verma 9350226703  
**Purchase Order No.** : 4200049410-M33-1022 **Date:** 21.09.2018 ( version : 0 )  
**Reference** : Procurement of complete condenser vacuum pump for stg#02 for NTPC Barh  
**Our Enquiry No.** : 9900162553 **Date :** 08.08.2018  
**Offer** : online offer  
**Your Reference** : 6000787647  
**Our Reference** : 9900162553

Dear Sir,

We are pleased to accept your above cited offer along with correspondences thereof and place our Purchase Order No. 4200049410-M33-1022 dated 21.09.2018 for total order value of INR 9,687,150.00 ( INR NINETY-SIX LAKH EIGHTY-SEVEN THOUSAND ONE HUNDRED FIFTY ONLY ). Please arrange to deliver the materials as detailed in Annexure-1 & 2 subject to terms and conditions specified in Annexure-3 and in our General Purchase Conditions, other specifications and requirement. Duplicate copy of the Purchase Order may please be signed and returned back to us within 15 days of its receipt in token of acceptance of the same. If no communication is received within 15 days of receipt of Purchase Order, it will be treated that order has been accepted in entirety.

Our general purchase conditions shall form part of Purchase Order for all other clauses.

For and on Behalf of NTPC Limited

V P Pandey  
AGM(C&M)

Enclosures

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*Vitendera*



**NTPC Limited**  
( A Government of India Enterprise )  
**Eastern Region HeadQuarters**  
2ND FLOOR, LOK NAYAK JAI PRAKASH BHAWAN,  
PATNA  
Bihar- 800001, India  
Telephone No. : 0612 - 2221010 Fax No. : 0612 - 2230035

**PURCHASE ORDER**

To:  
ATLAS COPCO INDIA LTD  
SEVEANAGAR, DAPODI  
PUNE  
Maharashtra -411012  
India  
Tel: 080-39280164/...

Fax: 080-39280145

E-Mail : akhilesh.haridasan@in.atlascopco.com

PAN No. : AAACN0255D

CIN No. : L40101DL1975GOI007966

Vendor Code : 1000575

PAN No : AAACA4074D

**Purchase Order No. : 4200049600-M34-1022 Date: 15.10.2018 ( version : 0 )**  
**Reference** : PROCUREMENT OF OIL AND AIR COOLER FOR MAIN PLANT COMPRESSOR.  
ZR425 SERIES AT NTPC BARH(660MW)  
**Our Enquiry No.** : 9900161564 **Date** : 12.10.2018  
**Offer** : Your online offer  
**Your Reference** : 6000812001  
**Our Reference** : 9900161564

Dear Sir,

We are pleased to accept your above cited offer along with correspondences thereof and place our Purchase Order No. 4200049600-M34-1022 dated 15.10.2018 for total order value of INR 4,007,950.25 ( INR FORTY LAKH SEVEN THOUSAND NINE HUNDRED FIFTY AND TWENTY-FIVE PAISA ONLY ). Please arrange to deliver the materials as detailed in Annexure-1 & 2 subject to terms and conditions specified in Annexure-3 and in our General Purchase Conditions, other specifications and requirement. Duplicate copy of the Purchase Order may please be signed and returned back to us within 15 days of its receipt in token of acceptance of the same. If no communication is received within 15 days of receipt of Purchase Order, it will be treated that order has been accepted in entirety.

Our general purchase conditions shall form part of Purchase Order for all other clauses.

For and on Behalf of NTPC Limited

V P Pandey  
AGM(C&M)

Enclosures

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*Vitender*



**NTPC Limited**  
( A Government of India Enterprise )  
**Barh Super Thermal Power Project**

**P.O. BARH**  
**BARH PATNA**  
**Bihar- 803213, India**  
**Telephone No. : 06132-240011/12/13 Fax No. : 06132-240014**

**PURCHASE ORDER**

To:  
SAI ENGINEERING SERVICES  
718, DELTA INTERNATIONAL LTD,  
4 GOVT PLACE, NORTH KOLKATA  
KOLKATA  
West Bengal -700001  
India  
Tel: 9450783479

E-Mail : saieng.4@gmail.com

**PAN No. : AAACN0255D**  
**CIN No. : L40101DL1975GOI007966**

**Vendor Code : 1172251**  
**PAN No : AGKPB1771B**

**Purchase Order No. : 4200050095-M20-1028 Date: 06.01.2019 ( version : 0 )**  
**Reference : Supply of Wagon Tippler Gear Box at NTPC Barh STPP.**  
**Our Enquiry No. : 9900166490 Date : 27.12.2018**  
**Offer : Your offer against our NIT- 9900166470 (Tender Id-2018\_NTPC\_10703\_1) and NIT- 9900166490 (Tender Id-2018\_NTPC\_10699\_1)**  
**Our Reference : 01. BR/MAT/18022 and BR/MAT/18017**  
**02. NIT- 9900166470 (Tender Id-2018\_NTPC\_10703\_1) and NIT- 9900166490 (Tender Id-2018\_NTPC\_10699\_1)**

Dear Sir,

We are pleased to accept your above cited offer along with correspondences thereof and place our Purchase Order No. 4200050095-M20-1028 dated 06.01.2019 for total order value of INR 19,425,000.00 ( INR ONE CRORE NINETY-FOUR LAKH TWENTY-FIVE THOUSAND ONLY ). Please arrange to deliver the materials as detailed in Annexure-1 & 2 subject to terms and conditions specified in Annexure-3 and in our General Purchase Conditions, other specifications and requirement. Duplicate copy of the Purchase Order may please be signed and returned back to us within 15 days of its receipt in token of acceptance of the same. If no communication is received within 15 days of receipt of Purchase Order, it will be treated that order has been accepted in entirety.

Our general purchase conditions shall form part of Purchase Order for all other clauses.

For and on Behalf of NTPC Limited

Ranjeet Kumar  
Sr. Manager(C&M)

**Enclosures**

**CC: NEW ALLENBERRY WORKS,**  
**62,HAZRA ROAD**  
**KOLKATA,**

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*Vishendra*



**NTPC Limited**  
( A Government of India Enterprise )  
**SSC - ER-I(Barh) Project**

P.O. BARH  
BARH PATNA  
Bihar- 803213, India

Telephone No. : 06132-240011/12/13 Fax No. : 06132-240014

**PURCHASE ORDER**

**PAN No.** : AAACN0255D  
**CIN No.** : L40101DL1975GOI007966

To:  
RANCHI MACHINE TOOLS CORPORATION  
102, RANCHI CLUB BUILDING P.O BOX  
NO.51, MAIN ROAD  
RANCHI  
Jharkhand -834001  
India

**Vendor Code** : 1062757  
**PAN No** : AAEFM0832A

Tel: 0651-2332004

Fax: 06512332012

E-Mail : RMTREXROTH@GMAIL.COM

**Purchase Order No. : 4200050290-M55-1028 Date: 06.02.2019 ( version : 0 )**

**Reference** : PROCUREMENT OF HYDRAULIC PUMPS AND HYDRAULIC MOTORS FOR WAGON  
TIPLER SYSTEM AND PADDLE FEEDER ST-II

**Our Enquiry No.** : 9900165911 **Date** : 24.09.2018

**Offer** : **Date** :

Dear Sir,

We are pleased to accept your above cited offer along with correspondences thereof and place our Purchase Order No. 4200050290-M55-1028 dated 06.02.2019 for total order value of INR 10,602,386.00 ( INR ONE CRORE SIX LAKH TWO THOUSAND THREE HUNDRED EIGHTY-SIX ONLY ). Please arrange to deliver the materials as detailed in Annexure-1 & 2 subject to terms and conditions specified in Annexure-3 and in our General Purchase Conditions, other specifications and requirement. Duplicate copy of the Purchase Order may please be signed and returned back to us within 15 days of its receipt in token of acceptance of the same. If no communication is received within 15 days of receipt of Purchase Order, it will be treated that order has been accepted in entirety.

Our general purchase conditions shall form part of Purchase Order for all other clauses.

For and on Behalf of NTPC Limited

S SARKAR  
AGM (C&M)

**Enclosures**

**CC:** BOSCH REXROTH INDIA PRIVATE LIMITED,  
survey no:206/2A, Sanand Viramgam  
Highway Mouje Iyava, Taluka Sanand  
AHMEDABAD,  
Gujarat-382170  
India  
Tel: 02717-678000

*Vitender*

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No. Q-15017/40/2007-CPW  
 Government of India  
 Ministry of Environment, Forest & Climate Change  
 C P Division

Indira Paryavaran Bhawan,  
 Jor Bagh Road,  
 New Delhi-110003  
 Dated 26<sup>th</sup> August, 2015

Office Memorandum

**Subject: Protocol for sampling, analysis of coal and reporting of compliance in respect of implementation of the Gazette notification on use & supply of raw or blended or beneficiated coal with ash content not exceeding 34% ash content in coal based thermal power plants**

**1.0 Purpose:**

This protocol presents the protocol for sampling, analysis of coal and reporting of compliance on quarterly basis with respect to ash content in coal to be supplied and used by the thermal power plants covered under the provisions of the Gazette notification GSR 02 (E) dated January 02, 2014 on supply and use of raw or blended or beneficiated coal in thermal power plants. The objective is to ensure compliance of the quality of coal with respect to ash content, supplied and used by thermal power plants in keeping with applicable existing Notification of the Ministry in this regard. The data generated shall help in evaluation of compliance level of the notification.

**2.0 The Notification:**

In exercise of the powers conferred by Section 3, Section 6 and Section 25 of the Environment (Protection) Act, 1986 (29 of 1986) read with rule 5 of the Environment (Protection) Rules, 1986, the Ministry of Environment, Forest & Climate Change, Government of India made the following rules vide notification No GSR 2 (E) dated January 02, 2014 under the Environment (Protection) Rules, 1986, namely:—

With effect from the date specified hereunder, the following coal based thermal power plants shall be supplied with, and shall use, raw or blended or beneficiated coal with ash content not exceeding thirty-four per cent, on quarterly average basis, namely:—

- (a) a stand-alone thermal power plant (of any capacity), or a captive thermal power plant of installed capacity of 100 MW or above, located beyond 1000 kilometres from the pit-head or, in an urban area or an ecologically sensitive area or a critically polluted industrial area, irrespective of its distance from the pit-head, except a pit-head power plant, with immediate effect;
- (b) a stand-alone thermal power plant (of any capacity), or a captive thermal power plant of installed capacity of 100 MW or above, located between 750 – 1000 kilometres from the pit-head, with effect from the 1st day of January, 2015;

Q

(c) a stand-alone thermal power plant (of any capacity), or a captive thermal power plant of installed capacity of 100 MW or above, located between 500-749 kilometres from the pit-head, with effect from the 5th day of June, 2016;

Provided that in respect of a thermal power plant using Circulating Fluidised Bed Combustion or Atmosphere Fluidised Bed Combustion or Pressurized Fluidised Bed Combustion or Integrated Gasification Combined Cycle technologies or any other clean technologies as may be notified by the Central Government in the Official Gazette, the provisions of clauses (a), (b) and (c) shall not be applicable.

### 3.0 Statutory Compliance Requirement and Reporting:

As per the notification, power plants located 750 kilometres from pit head (500 kilometres from June 05, 2016) shall be supplied with, and shall use, raw or blended or beneficiated coal with ash content not exceeding thirty-four per cent, on quarterly average basis. Hence, coal mine or company, as applicable, supplying coal to thermal power plants as well as thermal power plants covered under provisions of the notification shall require to submit compliance report for each quarter with respect to average ash content in coal used by them to respective State Pollution Control Boards (SPCBs), Regional office of the Ministry of Environment, Forest & Climate Change (MoEF&CC) and Central Pollution Control Board (CPCB).

### 4.0 Amendment in Consent under Air (Prevention and Control of Pollution) Act, 1981 & conditions in Environmental Clearance issued under Environment (Protection) Act, 1986:

In order to implement the provisions made in the notification, the State Pollution Control Board concerned and Ministry of Environment, Forest & Climate Change shall include a condition with respect to specifying ash content in raw or blended or beneficiated coal to be supplied by the coal mine or company, as applicable, and used by thermal power plants, in the existing consent orders issued under Air (Prevention and control of pollution) Act, 1981 and in Environmental Clearance issued under Environment (Protection) Act, 1986 to thermal power plant and coal mine or company, as applicable, under the purview of the notification on supply and use of raw or blended or beneficiated coal and shall invariably prescribe to all new thermal power plant and coal mine or company, as applicable, which may otherwise fall under the purview of the said notification.

### 5.0 Ash content monitoring (sampling and analysis) technique of coal:

Coal is highly heterogeneous in nature consisting of particles of various shapes and sizes each having different physical characteristics, chemical properties and residual ash content. Sampling is further complicated by the sampling equipment available, the quantity to be represented by the sample mass, and the degree of precision required. In addition, the coal to be sampled may be a blend of different coal types and how the coal is blended has a profound effect on the way a representative sample is obtained. National and international standards have been developed to provide guidelines for coal sampling procedures under different conditions, sample preparation and bias test procedures for the purpose of obtaining unbiased samples.

Real Time monitoring using auto mechanical sampling (online) from moving streams shall be used for sampling fuels. This shall be effective from a date not later



than 01 September, 2016 in order to enable the Coal Companies and thermal power plants to install and operationalise the real time monitoring system. Manual sampling and analysis may be done so as to verify the online monitoring results.

In case of manual monitoring, coal samples may be taken from a moving conveyor belt since sampling from stationary coal such as a coal storage pile or railcars may be problematic. The analysis of samples shall be carried out by third party appointed by the respective thermal power plant/coal mine or company, as applicable, as per the guidelines of Coal Controller.

#### 6.0 Calibration of auto-mechanical sampler:

It should be ensured that the online ash monitoring instrument is properly calibrated. Measurements should be accepted as valid only if the calibration level shows variation in ash content is 1.0-2%. The online monitor and calibrator will hold a current calibration certificate traceable to national standards.

#### 7.0 Location of Real-Time monitor:

The best location of real-time monitor for sampling from a moving stream is at the coal discharge point of a conveyor belt to bunker where the complete stream can be intersected at regular intervals.

#### 8.0 Sampling frequency:

The continuous sampling of ash content in coal shall be carried out using real-time coal quality monitoring devices. In case of manual monitoring, minimum one sample from moving conveyor belt leading to bunker at each filling shall be collected. The data generated shall be computed and average for each quarter shall be calculated for reporting to concerned agencies as specified in the para 3.0 of this Office Memorandum.

#### 9.0 Monitoring:

The following criteria will be observed when undertaking the sampling and analysis of coal samples with respect to ash content:

##### 9.1 In case of manual monitoring

- i. Collection of coal samples shall strictly be collected as per the guidelines of Coal Controller/ Bureau of Indian Standards (BIS).
- ii. Coal samples shall be collected by the third party appointed by the respective thermal power plant, coal mine or company, as applicable. However, in case of legal sampling a representative of concerned SPCB, thermal power plant, coal mine or company, as applicable shall also be present during sampling.
- iii. Preparation of samples and analysis shall be carried out by using standard methodology as given by Coal Controller/ Bureau of Indian Standards (BIS) at the NABL accredited laboratory of either coal company/power plant or third party engaged.

2

Vishendra

## 9.2 In case of Real Time monitoring

Data generated through real time online monitors shall be computed on daily basis an average of 3 months shall be calculated for reporting of compliance.

## 10.0 Monitoring records:

All power plants and coal mine or company, as applicable shall maintain records of the data generated and reported to SPCBs concerned, CPCB & Regional Office of MoEF&CC in compliance to the provisions of the notification for every quarter.

## 11.0 Compliance Reporting:

All thermal power plants covered under provisions of the notification shall submit compliance Report for each quarter with respect to average ash content in coal used by them to respective SPCBs. Regional office of the MoEF& CC and CPCB on or before 10<sup>th</sup> day of next month of each quarter ending on 31<sup>st</sup> day of March, 30<sup>th</sup> day of June, 30<sup>th</sup> day of September and 31<sup>st</sup> day of December every year. Similarly, all coal mine or company, as applicable, supplying coal to power plants shall also submit the same to agencies as mentioned in para 3 of this Office Memorandum.

In order to improve compliance reporting, the thermal power plants and connected coal mine or company, as applicable, should explore possibility of reporting of compliance on continuous basis (online) by making suitable arrangements with respect to ash content in coal being supplied and used by thermal power plants.

## 12.0 Verification of data & Compliance:

The SPCB concerned shall verify the sampling and analysis process and calibration of real time monitoring devices at least once a year at each thermal power plant and coal mine. Besides, random sampling and analysis of coal used by the power plant and supplied by coal mine shall also be conducted once in a year to ensure compliance and quality of data reporting by the thermal power plants and coal mines.

  
(Dr. Manoranjan Hota)  
Director

To

- 1 PS to MEF&CC
- 2 PPS to Secretary (EF&CC)
- 3 Secretary, Ministry of Coal, Shastri Bhawan, New Delhi
- 4 Secretary, Ministry of Power, Shram Shakti Bhawan New Delhi
- 5 Secretary, Ministry of Steel, Udyog Bhawan, New Delhi
- 6 PPS to Addl. Secretary (HKP):AS (SK)/AS (MMK);
- 7 JS (MKS), JS (BS)
- 8 Chairman, CPCB/Member Secretary, CPCB
- 9 Member Secretary, All the SPCBs/PCCs
- ✓ 10 IT Division, MoEFCC to upload into the website



भारत सरकार  
परमाणु ऊर्जा नियामक परिषद्



GOVERNMENT OF INDIA  
ATOMIC ENERGY REGULATORY BOARD

Case File Number: BR-55305-RF-NGD-001

Issuance Date: 18/02/2021

Document Number: 21-NGPROC-591820

Expiry Date: 18/02/2022

**NO OBJECTION CERTIFICATE FOR IMPORT OF IONIZING RADIATION GAUGING DEVICE (IRGD)/ NUCLEONIC GAUGE (NG)**

This has reference to your application 21-704178 dated 17/02/2021. In exercise of powers conferred under Section 16 of the Atomic Energy Act, 1962 read with Rule 3 of the Atomic Energy (Radiation Protection) Rules, 2004, (AE(RP)R, 2004) the Atomic Energy Regulatory Board (AERB) hereby issues No Objection Certificate (NOC) in favour of Mr. GYANESH KUMAR SINGH, MANAGER CHP MM from radiological safety stand point, to import the Ionizing Radiation Gauging Device (IRGD)/ Nucleonic Gauge (NG) as per Annexure-I.

The MANAGER CHP MM, BARH SUPER THERMAL POWER PROJECT, Patna and Mr. GYANESH KUMAR SINGH are hereby identified as the employer and the licensee, respectively, for the purpose of assigning the responsibilities specified in the AE(RP)R, 2004 in respect of radiation protection of workers and public because of the work with radiation carried out by BARH SUPER THERMAL POWER PROJECT, Patna.

The device shall be used only after obtaining the licence from the Competent Authority under the AE(RP)R, 2004. All the required statutory clearances, if any, should be obtained from relevant authority(ies). This NOC is subject to the terms and conditions stated in Annexure-II.

**Issuing Authority,**  
Shri R. K. Singh  
Head, IAS

MR. GYANESH KUMAR SINGH  
BARH SUPER THERMAL POWER PROJECT  
NTPC LIMITED PO BARH DISTT PATNA,  
PATNA-803213,  
BIHAR



परमाणु ऊर्जा नियामक परिषद्, नियामक भवन, अनुशक्तिनगर, मुंबई 400094 (महाराष्ट्र)  
Atomic Energy Regulatory Board, Niyamak Bhavan, Anushaktinagar, Mumbai 400094 (Maharashtra)

CENTRAL ELECTRICITY REGULATORY COMMISSION  
NEW DELHI

Petition No. 11/SM/2015

Coram:

Shri Gireesh B. Pradhan, Chairperson

Shri A.K. Singhal, Member

Shri A.S. Bakshi, Member

Dr. M.K. Iyer, Member

Date of Order: 13.10.2015

In the matter of

Roadmap to operationalise Reserves in the country

ORDER

The Electricity Act, 2003 entrusts on the Central Commission important responsibilities inter-alia of regulating the inter-State transmission of electricity, specifying grid code and also enforcing standards with respect to quality, continuity and reliability of service by licensees. Laying down of framework for effective and secure grid operation is thus one of the most important mandates of the Commission. The Central Commission has taken initiatives towards this end through regulations on Indian Electricity Grid Code and Deviation Settlement Mechanism and related matters. The Commission has also issued direction from time to time for enforcing grid discipline.

2. Over the period, reliance of the utilities on the grid for meeting their short term energy demand was increasing. This caused serious threat to grid security. The Commission, therefore, tightened the operating band of grid frequency and made deviation charges stringent enough to discourage the utilities from deviation from their schedule. This has started yielding the desired results in terms of operation of the grid

closer to 50 Hz. The Commission has reiterated time and again that un-scheduled inter-change (UI) mechanism cannot be used as platform for meeting the energy demand of the utilities. Last mile imbalances are inevitable, but for this reliance on grid is not desirable. This need be planned for, and adequate reserves need be contracted to address such last mile imbalances.

3. The National Electricity Policy (NEP) mandates that adequate reserves may be maintained to ensure secure grid operation:

"5.2.3 In order to fully meet both energy and peak demand by 2012, there is a need to create adequate reserve capacity margin. In addition to enhancing the overall availability of installed capacity to 85%, a spinning reserve of at least 5%, at national level, would need to be created to ensure grid security and quality and reliability of power supply."

4. However, creation of adequate system reserve margin and spinning reserves at national level has not yet materialised. In furtherance to the provisions relating to the requirement of Spinning Reserves in the Electricity Act, 2003, National Electricity Policy and Tariff Policy, and to facilitate-large scale integration of renewable energy sources, balancing, deviation settlement mechanism and associated issues, CERC constituted a Committee vide letter No, 25/1/2015/Reg. Aff. (SR)/CT.RC dated 29<sup>th</sup> May 2015, under the chairmanship of Shri A.S. Bakshi, Member CERC, to examine the technical and commercial issues in connection with Spinning Reserves and evolve suggested regulatory interventions in this context.

5. The Committee submitted its final report to the Commission on 17<sup>th</sup> September 2015 (annexed as Annexure-I). Major findings of the Committee are as under:

- (a) Spinning Reserves are required to be maintained of requisite quantum depending upon the grid conditions. Operation at constant frequency target of 50.0 Hz with constant area interchange should be the philosophy adopted.
- (b) The Spinning Reserve may be maintained, to start with at the regional level in a distributed manner.
- (c) The respective RLDC should be the Nodal agency at the regional level and NLDC at the country level.
- (d) Each region should maintain secondary reserves corresponding to the largest unit size in the region and tertiary reserves should be maintained in a decentralized fashion by each state control area for at least 50% of the largest generating unit available in the state control area. This would mean secondary reserves of 1000 MW in Southern region; 800 MW in Western regions; 800 MW in Northern region; 660 MW in Eastern region and 363MW in North-Eastern region (total approx. 3600 MW on an All India basis). Primary reserves of 4000 MW should be maintained on an All India basis considering 4000 MW generation outage as a credible contingency. The same should be provided by generating units in line with the IEGC provisions.
- (e) The reserve requirement may be estimated by the nodal agency on day-ahead basis along with day ahead scheduling of all available generating stations.

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- (f) Implementation of AGC is necessary along with reliable telemetry and communication. The AGC may be planned to be operationalised in the power system from 1.4.2017.
- (g) It is essential that load forecasting is done at each DISCOM level, at each SLDC/State level and each RLDC/Regional level and finally at NLDC/country level.
- (h) It is also essential to forecast the generation from renewable sources of energy by the generators, and similarly by the DISCOMs, by the SLDCs and by the RLDCs.
- (i) To start with a regulated framework in line with the Ancillary Services Regulations may be evolved for identification and utilising of spinning reserves and implemented with effect from 1.4.2016. This framework may continue till 31.3.2017.
- (j) The reserves at the regional level, should be assigned to specific identified generating station or stations duly considering the various technical and commercial considerations including energy charges of the generating stations. The nodal agency should be empowered to identify the ISGS irrespective of type and size of the generating station for providing spinning reserve services and it should be mandatory for such generating stations to provide spinning reserve services.

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- (k) The nodal agency may have the option of carrying such reserves on one or more plants on technical and commercial considerations and may withhold a part of declared capacity on such plants from scheduling. It could be in terms of % of declared capacity or in MW term as deemed fit.
- (l) A framework as specified in the Central Electricity Regulatory Commission (Ancillary Services Operations) Regulations, 2015 may be followed for the Spinning Reserve Services as well. The Central Electricity Regulatory Commission (Ancillary Services Operations) Regulations, 2015 may be amended to incorporate the necessary changes in this regard.
- (m) Going forward, a market based framework may be put in place from 1<sup>st</sup> April 2017 for achieving greater economy and efficiency in the system. A detailed study is required to be carried out before the market mechanism on spinning reserves is put in place. It is suggested that the NLDC be directed to commission study through a consultant in the context and submit a proposal to the Commission for approval.

The Commission has carefully considered and accepted the findings of the Committee.

6. One of the important components of ensuring grid reliability includes achieving adequacy of supply and maintaining the load-generation balance. This poses a challenge to grid operators on various time-scales: on a daily level as weather varies, for example, on an hourly level as load varies during the day, and on sub-hourly/time-

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block level as there are errors in forecasting of load or unplanned outages of generating units or transmission lines. Sudden disturbances in the Power System can initiate a steep fall or rise in the frequency of the Power System, which can be detrimental to the Power System operation, if not contained immediately. Thus, to ensure 24x7 power supply and grid reliability, grid operators must have access to reserves at different locations and factoring transmission constraints, the system operators should be able to increase or decrease power supply on the grid at any time of the day.

7. Three types of reserves are generally considered depending on the timeline of initiation and functional need. Primary control refers to local automatic control available in all conventional generators, which delivers reserve power negatively proportional to frequency change. Such immediate automatic control is implemented through turbine speed governors, in which the generating units respond quickly to the frequency deviation as per droop characteristic of the units. However, this response to arrest frequency drop or rise lasts for short period of up to 30 seconds - 15 minutes, within which secondary control should come into play should the contingency last longer than that. IEGC section 5.2(i) specifies a provision for primary reserves, as under:

"The recommended rate for changing the governor setting, i.e., supplementary control for increasing or decreasing the output (generation level) for all generating units, irrespective of their type and size, would be one (1.0) per cent per minute or as per manufacturer's limits. However, if frequency falls below 49.7Hz, all partly loaded generating units shall pick up additional load at a faster rate, according to their capability."

However, this has not been adhered to fully by the generators.

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8. Secondary control involves Automatic Generation Control (AGC) which delivers reserve power in order to bring back the frequency and the area interchange programs to their target values. For AGC, units as well as load dispatch centres have to be equipped with necessary communication infrastructure, as it involves sending automated control signals from the LDC to the generator based on grid conditions. AGC has been absent in the Indian power system. Very commonly, this results in 'load shedding' by DISCOMs in case generation is lagging load. The Indian power sector was beset with scarcity for a long time; however, now the scenario is changing and margin for reserves is feasible. With a large interconnected grid meeting a peak load of over 145 GW, both primary and secondary controls are essential components for reliable grid operation.

9. Tertiary control refers to manual change in the dispatching and unit commitment in order to restore the secondary control reserve, as loss of generator may cause a system contingency that lasts for several hours.

10. Traditionally, imbalance handling on the Indian grid has been done through the Unscheduled Interchange (UI) or the Deviation Settlement Mechanism (DSM) framework, in which the frequency-linked UI rate gave a signal to the grid participants to correct for instantaneous frequency deviations. However, it led to use not meant for, and further grid indiscipline besides stress/constraints in the transmission network. While measures like tightening of the operating grid frequency band and provision for deterrent deviation charges, have been resorted to and this has resulted in improvement of grid operation, the Commission feels that the power system operation in

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the country still needs to mature further. Even now States have been deviating from schedule substantially. For instance, in 2014-15, Rajasthan deviated in the range of (+) 1202 to (-) 1324; UP in the range of 1613 to (-) 2291; Karnataka in the range of 945 to (-) 787 etc.; Tamil Nadu in the range of 546 to (-) 990; Gujarat in the range of 1174 to (-) 1162. These are not only undesirable but also a cause of serious concern. The DSM Regulations provide for a periodic review of the DSM rates and the Commission directs the Staff to undertake a review of the same and submit a proposal for consideration of the Commission.

11. The Commission would like to underscore that grid does not generate electricity and as such cannot be relied upon for meeting energy needs. Reserves and reserves alone can address this and the earlier the stakeholders realise this, the better it is for safe and secure system operation. Reserves assume greater significance additionally in the wake of the goal of integration of large scale variable renewable energy sources. With increasing penetration of variable and intermittent RE generation, flexible generation such as pumped storage hydro plants are needed. There is a need for more flexibility in the operation of conventional generation plants also and flexibility needs to be quantified, measured and duly compensated for. The Commission has already made a beginning in this direction by proposing amendment to the Indian Electricity Grid Code (IEGC) in respect of 'technical minimum' which is expected to be notified shortly. 'Ramp up' and 'ramp down' rates are other important parameters for flexibility which would gradually be introduced through Regulations.

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12. The grid operator would now be required to undertake planning exercise to meet Net Load, which is defined as:  $\text{Net load} = \text{Load} - \text{RE power}$ . This quantum must be met with conventional generation with adequate flexibility at every point in time. To even begin an exercise of planning for ongoing load-generation balance, load forecasting is essential. It is also necessary to ensure conventional generators to generate as per the schedules. Forecasting and scheduling of solar and wind generating stations is the next critical step for the grid operators to estimate the amount of RE power they can anticipate to be injected into the grid, on a day-ahead and hour-ahead basis. Thus, the variability that can be predicted in the forecasts must be accounted for in planning flexible generation as well as tertiary reserves day-ahead and hour-ahead. Furthermore, balancing the uncertainty of RE power on a continuous basis necessitates a streamlined process for deploying spinning reserves. This would be effectively balancing the forecasting error in net load.

13. The Commission notified Central Electricity Regulatory Commission (Ancillary Services Operations) Regulations, 2015 on 19<sup>th</sup> August 2015 with the objective of utilizing un-requisitioned surplus in ISGS. These regulations are a first step towards the entire gamut of Ancillary Services, starting with tertiary frequency control services. Applicable to regional entities, the regulations outline a framework for both Regulation Up and Regulation Down service by Reserves Regulation Ancillary Services (RRAS) providers. NLDC along with RLDC, operating as the nodal agency, shall call for these services in varying situations, such as extreme weather events, loss of generating unit

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or transmission line outage, load-generation imbalance, etc. The RRAS providers shall be paid from the Regional DSM Pools.

14. Furthermore, the Commission notified the Order on Extended Market Session on Power Exchanges on 8<sup>th</sup> April, 2015, and the power exchanges started operating extended hours for intra-day products by end of July. The trading window is now open round-the-clock for delivery of power on the same day, with a 3-hour delivery time-frame. This can enable to significantly correct for intra-day imbalances in a proactive manner, and not passively rely on the grid for the same. It is expected that the Distribution Control Centres (DCCs) of DISCOMs also operate in a 24 x 7 manner to reap the advantages from these extended market sessions. Depending on the market needs, there is a need for newer products in the electricity market to provide more opportunities to the participants to balance their portfolio. The Commission directs the staff to examine this aspect of market design and submit a proposal for consideration of the Commission.

15. It is also expected that with provision for reserves and harnessing the same through 'controls', the inter area power flows would be manageable and help in optimizing the Transmission Reliability Margin (TRM). This would benefit all stakeholders to a great extent.

16. In due recognition of the above factors, the Commission would like to chart out a road map for introduction of reserves in the country. Accordingly, the Commission directs as under:

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- (a) For reliable and secure grid operation, to maintain continuous load-generation balance, to counter generation outages as well as unexpected load surges or crashes, and for large scale integration of variable renewable power, it is essential for the grid operators to have access to distributed Spinning Reserves which are dispatched taking due care of transmission constraints whenever required.
- (b) The Commission reiterates the need for mandating Primary Reserves as well as Automatic Generation Control (AGC) for enabling Secondary Reserves.
- (i) All generating stations that are regional entities must plan to operationalise AGC along with reliable telemetry and communication by 1<sup>st</sup> April, 2017. This would entail a one-time expense for the generators to install requisite software and firmware, which could be compensated for. Communication infrastructure must be planned by the CTU and developed in parallel, in a cost-effective manner.
- (ii) On the other hand, National/Regional/State Load Dispatch Centres (NLDC/RLDCs/SLDCs) would need technical upgrades as well as operational procedures to be able to send automated signals to these generators. NLDC /RLDCs and SLDCs should plan to be ready with requisite software and procedures by the same date.

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- (iii) The Central Commission advises the State Commissions to issue orders for intra-state generators in line with this timeline as AGC is essential for reliable operation of India's large inter-connected grid.
- (c) To start with, a regulated framework in line with the Ancillary Services Regulations would need be evolved for identification and utilising of spinning reserves and implemented with effect from 1<sup>st</sup> April, 2016. This framework may continue till 31<sup>st</sup> March, 2017. This may only include generating stations regulated by CERC, which could be started off with a manual process for secondary reserves. The NLDC/POSOCO is directed to submit a detailed procedure in this regard for approval by the Commission within one month from the issue of this Order. The amendments required in various Regulations issued by the Commission would also need to be indicated. As the Renewable Energy (RE) penetration levels increase in the coming years, the impact on the quantum of reserves would need to be separately studied and provided for through further amendments.
- (d) In the long term, however, a market based framework is required for efficient provision of secondary reserves from all generators across the country. For this, NLDC/POSOCO is directed to commission a detailed study through a consultant and suggest a proposal to the Commission for implementation by 1<sup>st</sup> April, 2017, giving due consideration to the experience gained in the implementation of Spinning Reserves w.e.f. 1<sup>st</sup> April, 2016.

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- (e) The States must undertake separate scheduling and energy accounting of all generating and load entities. Deployment of DSM framework shall greatly prepare the State to differentiate between and attribute deviations caused due to various entities involved. Recording of this data shall also give the State grid operator much needed clarity on which entities are responsible for schedule deviations, and to what extent.
- (f) Load forecasting must be undertaken by all DISCOMs. Combined with DSM, it is the foundation on which strong and reliable grid management can be built.
- (g) In order to ensure reliable and secure operation of the grid, in addition to compliance to standards and regulations, adequate defense mechanisms such as Under Frequency Relays (UFRs), df/dt (rate of change of frequency), System Protection Schemes (SPS), etc. must be put in place and which also need to be periodically reviewed and checked for healthiness.
17. The petition is disposed of in terms of the above directions.

sd/-  
(Dr. M.K. Iyer)  
Member

sd/-  
(A. S. Bakshi)  
Member

sd/-  
(A.K. Singhal)  
Member

sd/-  
(Gireesh B. Pradhan)  
Chairperson



नई दिल्ली  
NEW DELHI

याचिका संख्या. /Petition No.: 319/RC/2018

कोरम/Coram:

श्री पी. के. पुजारी, अध्यक्ष/Shri P. K. Pujari, Chairperson  
डॉ. एम. के. अय्यर, सदस्य/ Dr. M.K. Iyer, Member  
श्री आई. एस. झा, सदस्य/ Sh. I.S. Jha, Member

आदेश दिनांक /Date of Order: 28<sup>th</sup> of August, 2019

**IN THE MATTER OF**

Automatic Generation Control (AGC) implementation in India

**AND**

**IN THE MATTER OF**

National Load Despatch Centre  
Power System Operation Corporation Ltd.  
(A Government of India Enterprise) B-9,  
Qutab Institutional Area, Katwaria Sarai  
New Delhi-110016

...Petitioner

**VERSUS**

1. NTPC Limited,  
Plot No A-8A,  
Sector-24, Noida,  
Uttar Pradesh, India- 201301
2. NHPC Limited,  
N.H.P.C Office Complex,  
Sector-33, Faridabad – 121003, Haryana

193. Member Secretary,  
Western Regional Power Committee  
F-3, MIDC Area,  
Andheri (East),  
Mumbai-400 093
194. Member Secretary,  
North Eastern Regional Power Committee  
NERPC Complex,  
Dong Parmaw,  
Lapalang,  
Shillong-6
195. Chief Engineer (Grid Management),  
Central Electricity Authority Sewa Bhawan,  
R.K.Puram,  
New Delhi-110 022.
196. Chief Engineer  
(National Power Committee),  
Central Electricity Authority,  
18-A, Shaheed Jeet Singh Sasanwal Marg,  
Katwaria Sarai, New Delhi-110 016

...Proforma Respondents

**Parties Present:** Shri S.R. Narasimhan, NLDC  
Shri N. Nallarasan, NLDC  
Shri Phanisankar Chilakuri, NLDC

### ORDER

The Petitioner, National Load Dispatch Centre (NLDC) is the system operator at the national level and has made the following prayers:

- a) *Direct all ISGS stations whose tariff is regulated / determined by CERC to install equipment as per the requirement mentioned in the Petition at the unit control rooms for transferring the required data for AGC by 30th June 2019.*
- b) *Direct all ISGS stations whose tariff is regulated / determined by CERC to ensure communication from nearest wide band node to the RTU in the unit control room by 30th June 2019.*
- c) *Direct Central Transmission Utility (CTU) to ensure communication availability*

*from NLDC/RLDCs to nearest wide band node/switchyard for the generating stations in a redundant and alternate path ensuring route diversity and dual communication by 30th June 2019.*

- d) Decide the mark up price for secondary regulation service through AGC.*
- e) Allow NLDC/RLDCs to test, tune and operate the AGC system for providing the signals to the power plants as and when they comply with the directions above.*
- f) Allow any variation in the generation during testing phase to be settled under DSM.*
- g) Allow NLDC/RLDCs to put all the Phase-I plants under continuous operation on AGC before 31st December 2019.*
- h) Direct Phase-II plants in the detailed modus operandi to provide infrastructure at RTU/internal communication.*
- i) Road map for implementation of AGC at RLDCs in future may be accepted.*
- j) Pass any other orders as this Commission may deem fit and proper under the given facts and circumstances.*

### **SUBMISSIONS OF THE PETITIONER**

2. The Petitioner has submitted that vide Order dated 13.10.2015 in petition no 11/SM/2015, the Commission gave the roadmap for 'Operationalization of Generation Reserves in the Country'. The Order mandated that each region should maintain primary, secondary and tertiary reserves. The objective of the Order was to introduce 'Spinning Reserves' in the country, which is one of the important components for ensuring grid security, quality and reliability by achieving adequacy of supply and maintaining load-generation balance. All generating stations that are regional entities were directed to 'must plan' operationalization of Automatic Generation Control (AGC) along with reliable telemetry and communication by 01.04.2017. The Commission noted that this would entail a one-time expense for the generators to install requisite software and firmware, which could be compensated for and that the communication infrastructure must be planned by the Central Transmission Utility (CTU) and developed in parallel, in a cost-effective manner.

3. The Commission directed the Petitioner to upload the detailed modus operandi on 'Operationalization of Spinning Reserves' on NLDC website and seek comments from the

stakeholders by 11.08.2017 and file the comments received from stakeholders within two weeks thereafter. Accordingly, the report was also uploaded on the NLDC website.

4. The Petitioner has submitted that the detailed implementation plan was also discussed in the National Power Committee (NPC) meeting held at Indore on 08.09.2017. An agenda on 'secondary frequency control' was sent to NPC for discussion in the respective Regional Power Committees (RPC). The Expert Group constituted (in May 2017) by the Commission to review and suggest measures for bringing power system operation closer to National Reference Frequency, recommended that the frequency control continuum as given in their report may be adopted and included as part of the Grid Code (hereinafter referred to as 'IEGC') through an amendment to Central Electricity Regulatory Commission (Indian Electricity Grid Code) Regulations, 2010. Further, it was recommended that AGC must be implemented throughout the country at the earliest in line with the Commission's recommendation of treating a region as a balancing area and that the Performance Metrics for AGC payments may be introduced once sufficient experience is gained through the pilot project (carried out at Dadri generating station of NTPC). AGC at the intra-State level, particularly for large states, was to be implemented in line with directions by the Appropriate Commission(s).

5. The Petitioner has submitted that the Commission in its order dated 06.12.2017 in Petition No. 79/RC/2017 approved the Commissioning of the AGC Pilot Project between NLDC and NTPC Dadri Stage-II and various developments in the AGC Pilot were acknowledged by the Commission. Vide the above order, the Commission also directed that similar pilot projects may be replicated by NLDC, in at least one other regional grid of the country. Dadri Stage-II was successfully taken under remote as a part of AGC pilot project from NLDC from 1225 Hrs. of 04.01.2018 and is under continuous operation. Further, data is being submitted by NLDC to NRPC in the agreed format on a weekly basis.

6. The Petitioner has submitted that Karnataka Power Transmission Corporation Limited (KPTCL) together with (United States Agency for International Development (USAID) has proposed AGC pilot project on Varahi and Sharavathi Hydro Power Plants. On 10.02.2018, SRLDC, USAID and NLDC visited NP Kunta solar park in Andhra Pradesh for understanding the feasibility of AGC implementation. USAID agreed to take the AGC implementation at NP Kunta Solar power project under 'Greening the Grid' (GtG)-RISE

project. The matter was also discussed in the 33<sup>rd</sup> meeting of SRPC held on 17.02.2018 at Puducherry. A workshop was organised by USAID and NLDC on 15.05.2018 at Andhra Pradesh SLDC, Vijayawada to explain the basic architecture of the AGC project and the proposed project at NP Kunta to stakeholders.

7. On 18.05.2018, Letter of Award was issued by NTPC Simhadri to M/S Siemens for the supply, testing and commissioning of software and hardware and implementation of the AGC pilot project at NTPC-Simhadri. AGC on Barh (Eastern Region), Bongaigaon (North Eastern Region) and Mauda (Western Region) are power plants of NTPC under contracting phase of implementation.

8. The Petitioner has submitted that it has started up-gradation of SCADA from October 2017. AGC set up is envisaged to be capable of sending and receiving AGC signals to all Regional Entity generating stations to start with for the first time in India. The RLDCs' SCADA/EMS system was recently upgraded before AGC was notified through the Commission's Order. Hence, considering a region as a balancing area, AGC is being implemented through NLDC, which is a unique experiment as five (5) AGCs are being operated from a single control center at NLDC. Further, as a next step, discussion could start on the roadmap to progressively shift AGC control to RLDCs over the next 3-5 years. At the intra-regional level, discussion at RPC level is on for introducing AGC at least in the few intra-State generators in RE-rich States.

9. The Petitioner has submitted that the CERC (Communication System for inter-State transmission of electricity) Regulations, 2017 has provided detailed roles and responsibilities of various organizations with respect to communication. NLDC was given the responsibility for preparation and issuance of guidelines with the approval of the Commission on the interfacing requirements in respect of terminal equipment, RTUs, SCADA, PMUs, Automatic Generation Control (AGC), Automatic Meter Reading (AMR), Advanced Metering Infrastructure (AMI), etc. and for data communication to the respective control centres. The Generic Technical Specifications for AGC connecting equipment that has to be procured by the power plants were prepared by the Petitioner based on the experience of the AGC pilot project (at Dadri) for full scale implementation of AGC. Generating stations have to install AGC connecting equipment at the unit control rooms for transferring the required set of data for AGC.

10. The Petitioner has submitted that Regional Secondary Reserves quantum, mandated by the Commission are given as below:

Secondary Reserves quantum needed in MW (Region wise)	
NR	800
ER	660
WR	800
SR	1000
NER	363
Total	3623

11. The Petitioner has suggested that the detailed implementation plan pan-India for AGC implementation is proposed in the following manner:

Phase-I

(a) Inter-State Generating Stations (ISGS) generators, whose tariff is regulated/ adopted by the Commission, are proposed to be made capable of participating in 'Secondary Control' since the tariff for these generators is already available and there are fewer communication issues. This is also because in case of these generating stations, Ancillary Services/ AGC Pilot Project Framework is available for settlement (without the refund of fixed charges as mentioned in the Half Yearly Feedback on Ancillary Services and CERC Order on AGC Pilot Project) and, therefore, its implementation is expected to be dispute free. However, limiting AGC implementation to only these generating stations may not be sufficient to ensure availability of the full quantum of reserves as mandated by the Commission.

Phase-II

(b) All Regional Entity generating stations scheduled by RLDCs (over and above the Phase-I power stations mentioned above) can be made capable of participating in secondary control. However, Declared Capability (DC) at present is not taken from these generating stations by RLDCs. Some Independent Power Producers (IPP) have part Power Purchase Agreements with discoms/ traders while part capacity is untied, and power is sold under merchant contracts. Tariff for these generators has to be

*Vitendra*



decided and agreed upon *a priori* for secondary control participation of these generators. DC and Schedule have to be obtained from these generators similar to Central Sector generating stations for reserve estimation. Many of these regional entity generating stations operate in the day-ahead energy market and the day-ahead prices may have a significant role in respect of these generating stations as far as availability to the grid at any instant is concerned. Low prices in the Day-Ahead Market (DAM) on a sustained basis may lead to many of these units remaining off the grid. The following, inter-alia, may be the requirements for the Regional entity generating stations equipped under Secondary Control:

- The generating stations shall bear the cost of secondary control hardware at the generating station end including the cost of the fibre optic cable from the generating station control room to the nearest communication node.
- Share DC and Schedule like ISGS generators on day ahead basis and subsequent revisions with RLDCs.
- Payment for energy and incentive will be as decided by the Commission.
- The generating stations shall have working control systems for turbine, boiler and governor. Governor response plots/ graphs of past incidents have to be submitted to concerned RLDC.
- Existing wide band communication node to be established within a radius below 30-40 km from the plant to communicate with the nearest RLDC. Distance need not be a binding limitation and the connectivity of the generating station with the communication node can be seen on case to case basis based on merit.

12. The Petitioner has submitted that Primary, secondary and tertiary generation reserves are required for frequency control and ensuring reliable operation of the grid, particularly under high Renewable Energy (RE) penetration. Primary control provision has been existing in the IEGC but its enforcement has been an issue that has been highlighted before the Commission. Secondary control had been absent in the system so far while tertiary frequency control was introduced only in April 2016 through the Central Electricity Regulatory Commission (Reserves Regulation Ancillary Services) Regulations, 2016 (or for short, RRAS Regulations). Through Order dated 16<sup>th</sup> July 2018 in Petition No. 07/SM/2018, Fast Response Ancillary Services or FRAS was ordered by the Commission for central sector hydro stations and is under implementation phase.

*Vitendra*

13. The Petitioner has submitted that the following issues become important when one looks at the entire continuum of frequency control:

- i. Ensuring accurate load forecasting and Renewable Energy (RE) forecasting: This is the first step towards reliability as generating units need to get committed based on the forecasts. Starting from Discom level, the forecasts need to be aggregated for the State at SLDCs level, at RLDCs for the regional level and at NLDC for the All-India level.
- ii. Evaluating Area Control Error (ACE) of each control area: Bias may be taken as equal to Frequency Response Characteristics (FRC) of the State in past ten events. For ACE, high quality measurement of line flows and frequency at 10 seconds or better periodicity at LDCs is a must. Further, seamless transfer of schedule data from off-line systems to SCADA must be ensured. RLDCs are already bringing forth the non-availability of real time data in the RPC forums and this needs to be addressed promptly.
- iii. Primary Response: The SLDCs must also monitor the primary response from the generating units within the State and report to the respective SERCs as directed by CERC vide its order dated 31<sup>st</sup> July 2017 in Petition No. 84/MP/2015.
- iv. Measurements: For AGC, high quality measurements are needed for inter-regional tie lines and generating stations under AGC. As stated above, periodic monitoring of the data quality needs to be done at the RPC forums and chronic problems of non-availability of data are addressed promptly so that real time operation is smooth.
- v. Fiber Optic Communication: Fiber optic communication from Regional Entity generating station to nearest CTU node and from there on to RLDCs/ NLDC is a must and it could be closely monitored through the RPC forums. This is required irrespective of whether we have a regulated system of secondary reserves procurement or a market based one.
- vi. Participation: ACE is allocated to the generating stations under AGC based on the selected participation factor mode in the AGC software. The participation of each generating station will be calculated by the AGC software based on the weightage assigned to different attributes of the plant and the grid. Spinning reserve availability, ramp rate and variable cost of the generating station are the important attributes that are typically considered. In case of inter-/ intra-regional transmission constraints during

*Vijendra*

outages, certain plants may not be able to participate in AGC till normalization of transmission system.

14. The Petitioner has submitted that 'Spinning Reserves' viz. DC on bar minus schedules available in real time in ISGS is currently used for rescheduling/ tertiary reserves by States, tertiary frequency control through Reserves Regulation Ancillary Services and now being envisaged for secondary control through AGC. It is also available for primary control though the IEGC clearly specifies that the schedules should not exceed capacity on bar less Normative Auxiliary Consumption. This ensures, that even if the power plant is fully scheduled, the overload capacity and margins in auxiliary consumption is able to provide primary response.

15. The Petitioner has submitted that after the forecast of load and RE generation, the scheduling of conventional generation resources by the States assumes importance. Here, apart from scheduling, the States also need to indicate the amount of hot spinning reserves it is holding. The reserves could be held either within the State or at the ISGS where the State has a share but it should be replenished whenever there is a contingency such as a generating unit tripping within the State. Unless such a mechanism is in place, the secondary control would not work as all the reserves would get depleted quickly. DC on bar less the schedules equals the hot spinning reserves. It was observed that hot spinning reserve gets depleted daily during the morning and evening peak hours when States requisition their full entitlement. Under this situation, the State utilities ought to have reserves elsewhere within the State.

16. The Petitioner has submitted that on 06.09.2018, the Commission has issued a discussion paper on '*Redesigning Ancillary Services Mechanism in India*' and comments were invited from stakeholders. The Petitioner is of the view that the physical infrastructure in terms of communication and suitable hardware/ software at the power plants is sine qua non for secondary control through AGC irrespective of whether the same is regulated or market-based. The only variable is the quantum of secondary reserves required on day to day basis.

#### **PROCEEDINGS DURING HEARING**

17. The Petition was admitted on 25.10.2018. During the hearing on 31.1.2019, the

Petitioner submitted that the present petition has been filed for implementation of AGC in India.

18. The Petitioner further submitted that the Commission in its Order dated 06.12.2017 in Petition No. 79/RC/2017 approved the commissioning of AGC pilot project between NLDC and NTPC Dadri Stage-II and the Commission also directed that similar pilot projects may be replicated by NLDC, in at least one other regional grid of the country. Accordingly, one plant in each region has been identified and AGC has also been commissioned in Simhadri and Mauda generating station.

19. The Petitioner requested the Commission to direct ISGS to install the equipment in power plants for accepting signals from NLDC. After hearing, the Commission directed the Petitioner to furnish the Minutes of Meeting held with RPCs wherein RPCs have given their consent to the AGC pilot project. The Commission further directed the Petitioner to submit the feedback report on the operation of AGC at NTPC Dadri Stage-II along with the summary of findings of this pilot project.

20. The Petitioner has complied with the directions and submitted the minutes of the special meetings on AGC pilot project which were held with all RPCs. The Petitioner has also submitted the feedback report before the Commission on 15<sup>th</sup> February 2019, highlighting the learning from the pilot project. Several learning including those on the implementation aspects, communication protocols, generator regulation and load following capabilities, metering, monitoring, visualisation, accounting etc. were gathered via pilot project and explained in the feedback report. The Pilot projects have also provided capacity building in the field of AGC which will be useful during implementation of secondary control on a large scale.

### **ANALYSIS & DECISION**

21. We have heard the Learned Counsels for the Petitioner and have carefully perused the records.

22. The Commission is of the view that the most important responsibility of the Power System operators is to maintain reliability of the Power System by maintenance of Load -

*Vitender*

Generation balance. For a large complex grid such as the Indian grid, primary, secondary and tertiary frequency controls are must-have tools to ensure reliability. With the objective of ensuring grid security, quality and reliability, the Commission vide Order dated 13.10.2015 in Petition no 11/SM/2015 had laid down a roadmap for '*Operationalization of Generation Reserves in the Country*'. It was envisaged that apart from the primary reserve at the national level, secondary reserve should be maintained by each region and tertiary reserve by each State. All the generating stations that are regional entities were directed to plan to operationalize AGC along with reliable telemetry and communication by 01.04.2017. The NLDC was directed to submit a detailed procedure to operationalize reserves in the country vide Order dated 13.10.2015.

23. The Commission notes that an 'outline procedure' was submitted by NLDC vide letter dated 15.12.2015 in which it was proposed to take up a pilot project with one of the NTPC plants in a region based on which further activities could be taken up. On 05.02.2016, NLDC was advised to submit the draft detailed procedure and implementation plan for operationalization of Reserves within three months of implementation of Ancillary Services Regulations. After various brainstorming sessions and meetings, NLDC submitted the detailed procedure on Operationalization of Spinning Reserves on 14.07.2017 and recommended that secondary control should be added as an Ancillary Service.

24. The Commission observes that the 'National Electricity Policy' also mandates that adequate reserves may be maintained to ensure secure grid operation. The Commission is of the view that collective efforts of the stakeholders in implementation of the AGC are a step forward and will go a long way in development of the secondary reserves in the country leading to stable frequency operation and grid security and reliability.

25. The Commission observes that the feedback on implementation of AGC submitted by NLDC highlights the need for enhancing adequacy of reserves in the country. It has been stated that valuable experience has been gained in terms of implementation aspects, communication protocols, generator regulation and load following capabilities, cyber security etc. which is useful during implementation of secondary control on a large scale. The Petitioner has submitted that from the interactions with national and international experts on power systems and experience with Ancillary Services till date, the general understanding was that different solutions as a package like load and Renewable Energy (RE) generation

*Vitendera*

forecast, proper portfolio management by the States, primary response from the generators, secondary control in the form of AGC, Ancillary Service products in different timeframes etc. are needed for stable frequency operation of the power system. No unique solution existed. NLDC report emphasised that a bad or no forecast of load/ RE generation and poor portfolio management by the State utilities would lead to heavy deviations from schedule and grid indiscipline exhausting all reserves in the system and making the system insecure. AGC effectiveness would have to be seen in this overall context. It was further highlighted in the feedback report that deployment of two-three plants under AGC with 200 MW-300 MW reserve might not be sufficient for a grid size like that of India. The Commission observes that the Expert Group on 'National Reference Frequency' in its report submitted to the Commission in November 2017 recommended that AGC must be implemented throughout the country at the earliest and Performance Metrics for such AGC payments may be introduced once sufficient experience is gained through the pilot project.

26. The Petitioner has suggested that implementation of AGC be undertaken in Phases. Under Phase-I, ISGS generators, whose tariff is regulated/ adopted by the Commission, are proposed to be made capable of participating in 'Secondary Control'. Dadri Stage-II NTPC in Northern Region was the first AGC pilot project of the country which was approved by the Commission vide Order in Petition No.79/RC/2017 on 06.12.2017 and is in continuous operation from 1225 Hrs. of 04.01.2018. The Commission also directed that similar pilot projects may be replicated by NLDC, in at least one other regional grid of the country. Accordingly, four more AGC pilot projects have been/are being implemented viz. Simhadri Stage-II in Southern Region, Mauda Stage-II in Western Region, Barh Stage-II in Eastern Region and Bongaigaon in North-Eastern Region.

27. The Commission observes that there is one-time expense involved for the generators to install requisite software and firmware. The Commission has been informed that the implementation cost i.e. placing of order for the equipment and integration cost of the four AGC pilot projects which have been commissioned viz. Dadri Stage-II NTPC in Northern Region Simhadri Stage-II in Southern Region, Mauda Stage-II in Western Region and Barh Stage-II in Eastern Region, is in the range of Rs. 30.00 lakhs to Rs. 50 lakhs per generating station. The Commission accepts the Petitioner's proposition that the cost of such equipment at generating stations for AGC implementation is not significant and ideally all ISGS stations should be AGC enabled. The Commission notes that majority of the thermal stations

regulated by the Commission have station capacity of 200 MW and above and the AGC support is mainly expected from these facilities apart from the hydro generating stations other than Run-of-River projects. It will therefore be prudent, also from the point of view of cost effectiveness to ensure that the thermal generating stations with installed capacity of 200 MW and above and all hydro stations with capacity exceeding 25 MW necessarily have the capability to provide AGC support. Further, the Commission is of the view that with due regard to the nature of the Run-of-River Hydro projects it may not be advisable to mandate such plants to provide AGC support, as this might lead to spillage/ under-utilization of water, which should be avoided. Accordingly, the Commission directs all thermal Inter State Generating Stations (ISGS) that are regional entities with installed capacity of 200 MW and above and all hydro stations with capacity exceeding 25 MW excluding the Run-of-River Hydro Projects irrespective of size of the generating station and whose tariff is determined or adopted by the Commission, to install the required software and firmware for implementation of AGC at the unit control rooms for transferring the required set of data for AGC. These regional entity generators may approach the Commission under relevant regulations and provisions of PPA for compensation of this one-time cost. The Commission also directs the Central Transmission Utility and the NLDC to commission the required communication system in parallel.

28. Once the aforesaid generating stations are AGC enabled, NLDC/ RLDCs shall be allowed to test, tune and operate the AGC system for providing the signals to the power plants. With this decision to make the ISGS stations AGC compliant, the Commission is of the view that any other pilot beyond the five pilots already initiated by NLDC, may not be needed.

29. As regards compensation for AGC support and deviation charges, it is clarified that the framework in this regard as stipulated in the Commission's Order in Petition no. 79/RC/2017 dated 06.12.2017 shall apply to the five pilot projects as also to other ISGS as and when they are AGC enabled. This arrangement shall remain in place till further Orders or till relevant regulations inter-alia on compensation for AGC services are framed by the Commission.

30. The Commission has noted the suggestions of the Petitioner for covering under Phase-II, other regional entity generators (other than those whose tariff is determined or adopted by



the Commission). The Commission is of the view that decision on this issue cannot be taken in the present petition. It needs wider consideration.

31. The Commission observes that NLDC in its report on implementation of RRAS, has recommended moving towards market-based procurement of ancillary service for a more robust design. The relevant excerpt is reproduced below:

*“Once the scope of present implementation of ancillary services is enlarged from the regulated generation stations at inter-state level to include state-level generators also, a critical mass would be achieved. Moreover as more and more generators start participating in regulation services, closer monitoring of the performance of generating stations would also be needed. The implementation would also be more robust by design and subsequently, based on the experience gained, market based procurement of ancillary services could also be thought of.”*

32. The Commission is of the view that the experience gained under RRAS underlines the need for a calibrated approach to transform the extant administered Ancillary Services mechanism to a market-based mechanism with the objective of increasing the ambit of potential providers of such services at efficient costs and enhanced reliability of the grid. The Staff Paper on ‘Redesigning Ancillary Services Mechanism in India’ issued by staff of the Commission on 06.09.2018 has highlighted that the physical infrastructure in terms of communication and suitable hardware/ software at the power plants is sine qua non for secondary control through AGC irrespective of the fact whether the same is regulated or market-based. The only variable is the quantum of secondary reserves required on day to day basis.

33. The Commission observes that given the changes in technology, generation mix and increasing decentralized generation, and locational ancillary requirements, long term bilateral contracts for ancillary support should be avoided. Same resource can provide multiple flexibility services. For example, a generator that can provide fast tertiary response can also provide slow tertiary response. An arrangement which bundles multiple flexibility services has some advantages – by allowing such generators to utilize their capabilities to serve various system requirements thereby reducing the cost of providing individual services. Accordingly, the Commission directs the staff of the Commission to initiate a comprehensive review of Ancillary services framework based on these principles, and present to the Commission for suitable decision.





## SUMMARY

34. In the interest of reliable and safe grid operation, the Commission directs that all the ISGS stations whose tariff is determined or adopted by CERC shall be AGC-enabled and the ancillary services including secondary control through AGC be implemented as per the following direction:

- i. All thermal ISGS stations with installed capacity of 200 MW and above and all hydro stations having capacity exceeding 25 MW excluding the Run-of-River Hydro Projects irrespective of size of the generating station and whose tariff is determined or adopted by CERC are directed to install equipment at the unit control rooms for transferring the required data for AGC as per the requirement to be notified by NLDC. NLDC shall notify the said requirements within one month of this order.*
- ii. All such ISGS stations whose tariff is determined or adopted by CERC shall have communication from the nearest wide band node to the RTU in the unit control room.*
- iii. The Central Transmission Utility (CTU) is directed to have communication availability from NLDC/ RLDCs to the nearest wide band node/ switchyard for the generating stations in a redundant and alternate path ensuring route diversity and dual communication.*
- iv. The NLDC is also directed to commission the required communication infrastructure.*
- v. The expenditure as a result of compliance of the above directions may be claimed as per relevant regulations or provisions of the PPA.*
- vi. The NLDC is directed to monitor implementation of the above directions so that all the ISGS stations whose tariff is determined or adopted by CERC are AGC-enabled within six months of this order.*
- vii. The framework regarding compensation for AGC support and deviation charges as stipulated in the Commission's Order in Petition no. 79/RC/2017 dated 06.12.2017 shall apply to the five pilot projects as also to other ISGS as and when they are AGC enabled. This arrangement shall remain in place till the relevant regulations inter alia on compensation for AGC services are framed by the Commission.*
- viii. NLDC/RLDCs are allowed to operate the AGC system for enabling the signals to the power plants at the earliest.*



ix. All new thermal ISGS stations with installed capacity of 200 MW and above and hydro stations having capacity exceeding 25 MW excluding the Run-of-River Hydro Projects irrespective of size of the generating station and whose tariff is determined or adopted by CERC shall mandatorily have the capability to provide AGC support.

35. With the above directions, Petition No. 319/RC/2018 stands disposed of.

Sd/-

आई. एस. झा  
सदस्य

Sd/-

डॉ एम. के. अय्यर  
सदस्य

Sd/-

पी. के. पुजारी  
अध्यक्ष



सेंट्रल ट्रांसमिशन यूटिलिटी ऑफ इंडिया लिमिटेड  
**CENTRAL TRANSMISSION UTILITY OF INDIA LIMITED**  
 (Wholly Owned Subsidiary of Power Grid Corporation of India Limited)  
 (A Government of India Enterprise)

Ref. No.:PG/ER-I/RHQ/Comml./39/21-22/642

Date: 03.08.2021

**Addl. General Manager (Commercial-I/C)**  
 NTPC Ltd., Eastern Region-I, Head Quarters,  
 Loknayakan Jaiprakash Bhawan, 2<sup>nd</sup> Floor, Dak Bunglow Chowk,  
 Fraser Road, Patna-800001(Bihar)

**Kind Attn.: Shri Sunit Kumar**

**Subject: Regarding RTDA bill dated 08.07.2019 in respect of Barh STPS Stage-II, Unit-IV.**

- Ref: 1. ERPC Letter ERPC/COM-I/REA/2018/3780-3798 dtd. 02.02.2018  
 2. RTDA Bill-4 dtd. 08.07.2019  
 3. Your letter ER-I/HQ/COMML./PGCIL/15 dtd. 08.08.2019  
 4. Our letter CC:Comml:NTPC-Barh dtd. 06.09.2019  
 5. MoM of 44<sup>th</sup> CCM meeting dated 07/07/2021 of ERPC

**Dear Sir,**

This is in reference to ERPC MINUTES OF 44<sup>th</sup> CCM MEETING dated 07.07.2021 on subject matter. It is to mentioned that CTU has raised the RTDA bill amounting to Rs. 34,75,01,882/- as per Regional Transmission Deviation Account (RTDA) issued by ERPC vide letter dated 02.02.2018.

The matter has been discussed regarding the above outstanding dues in 44<sup>th</sup> CCM Meeting dated 07.07.2021. During the said meeting, NTPC informed that they have already filed a writ petition in Hon'ble Supreme Court against CERC Petition no. 130/MP/2015 of order dated 20<sup>th</sup> September, 2017. However, NTPC further informed that there is no stay order from Hon'ble Supreme Court in this regard.

The Members of the 44<sup>th</sup> CCM pointed out that there is no link between capital cost adjustment and the RTDA bill payment. The committee opined that as per the CERC order the power injected during the period 15.11.14 to 08.03.16 is treated as infirm power injection and the payment liability of RTDA charges in this regard has to be fulfilled by NTPC.

In view of 44<sup>th</sup> CCM direction, it is once again requested NTPC to liquidate the outstanding dues of Rs. 34,75,01,882/- on account of RTDA charges immediately to disburse the same to DIC's.

Thanking you.

Yours faithfully,  
 For and on behalf of CTUIL,

*(Signature)*  
 (M K Agarwal)

Sr. General Manager (Comml.)

Copy to:  
 Member Secretary, ERPC, Kolkata  
 ✓ Executive Director, ERLDC, POSOCO, Kolkata

Registered Office: Plot No.2, Sector-29, Gurugram, Haryana-122 001 CIN U40100HR2020GOI091857, Tel.: 0124-2571700-719  
 पंजीकृत कार्यालय: " , प्लॉट नंबर 2, सेक्टर -29, गुरुग्राम -122001 CIN U40100HR2020GOI091857. ), दूरभाष: 0124-2571700-719



Our Ref: ABB/NTPC EOS/OBSO1  
Date: July 12, 2022

To,  
M/S NTPC Limited  
EOC, Sector 24, NOIDA.

Kind Attn: Mr. Some Nath Kundu

Ref: Offer No. PAEN.PG.RN.22.0071 & telephonic conversation

Subject: Obsolescence Windows Operating Systems and lifecycle support of ABB OEM software

Dear Sir,

ABB has been adjudged by ARC as the global leader in providing Lifecycle Services to its customers. We keep our customers updated about the lifecycle of the system components.

This brings us to the HMI & Server software of the ABB DCS installed at the locations in the table below. Microsoft, the OEM of the operating systems (OS), has made End Of the Life announcement of the respective software mentioned in the table below. DELL & HP has made similar announcements about the respective hardware.

Project Description		Servers			OWS		
Site	Unit	OS	App	HW	OS	App	HW
Barh	U4/U5/AHP/CHP/W.MKUP/CHP	Serv. 2008	PGP	DELL Poweredge R710	Win7	PGP	DELL Precision 3500
Farakka	U1/U2/U3/Comm	Serv. 2008	PGP	HP Proliant ML350	Win 7	PGP	HP Z230
Lara	TDBFP1 & 2	Win 7	S+ 2.0		Win 7	S+ 2.0	
Kahalgaoon	U5	Serv. 2003	PGP	DELL Poweredge T440	WinXP	PGP	Dell 3630
Talcher	TDBFP2	Serv. 2003	S+ 2.0		Win 7	S+ 2.0	
Vindhyachal	U1 To U6	Serv. 2008	PGP	DELL Poweredge 730	Win 7	PGP	DELL 3620
Singrauli	U4/U5	Serv. 2003	PGP	HP Proliant	WinXP	PGP	HP

ABB continues to offer "Limited support" to the above-mentioned Application software however we carry the risk of hardware failure, no IT OEM/OS/Antivirus support, and more importantly system been vulnerable to cyber risk. We strongly recommend evolving the system to latest ABB S+ V3.3 software compatible with Windows Server 2019 & Windows 10 LTSC. This version of S+ is actively sold and supported by ABB.

This will bring host of additional advantages like updated antivirus, subscription to patch updates and access to "ABB My Control system".

We thank you for considering our proposal actively. Please contact the undersigned in case any further clarification is required.

Sincerely Yours

For & On behalf of ABB India Limited

Rajesh Raina

Associate Sales Director - Power & Water Services

Process Automation - Energy Industries

ABB India Limited

# **BALANCE SHEET**

## **2019-20**



**BARH THERMAL POWER PROJECT  
STATEMENT OF PROFIT AND LOSS**

( Amount in ₹ )

	For the Year ended	Note	31.03.2020	31.03.2019
001	<b>Revenue</b>		<b>0.00</b>	<b>0.00</b>
002	Revenue from operations	37	35,244,839,504.98	10,708,967,681.36
003	Other income	38	132,003,513.81	68,381,257.79
005	<b>Total Revenue</b>		<b>35,376,843,018.79</b>	<b>10,777,348,939.15</b>
007	<b>Expenses</b>		<b>0.00</b>	<b>0.00</b>
008	Fuel including cost of captive coal	38A	20,009,987,317.99	3,648,438,046.69
009	Employee benefits expense	39	1,421,467,275.73	395,119,677.92
010	Electricity Purchased		0.00	0.00
011	Finance costs	40	4,151,855,804.30	110,388,397.38
012	Depreciation, amortization and impairment expense	41	5,015,882,549.29	509,449,798.35
013			0.00	0.00
014	Other expenses	42	2,022,556,111.02	1,469,225,754.60
015	CC expenses charge to revenue		-16,857,282.44	313,742,123.19
016	Less: Unit expenses transferred to CC		0.00	0.00
017	<b>Total expenses</b>		<b>32,604,891,775.89</b>	<b>6,446,363,798.13</b>
020	<b>Profit before exceptional items &amp; tax</b>		<b>2,771,951,242.90</b>	<b>4,330,985,141.02</b>
021	Exceptional items		0.00	0.00
024	<b>Profit before tax</b>		<b>2,771,951,242.90</b>	<b>4,330,985,141.02</b>
027	<b>Tax expense:</b>		<b>0.00</b>	<b>0.00</b>
028	Current tax		0.00	0.00
029	Deferred tax		0.00	0.00
030			0.00	0.00
031	<b>Total Tax expense</b>		<b>0.00</b>	<b>0.00</b>
032	<b>Profit for the period before regulatory deferral account balances</b>		<b>2,771,951,242.90</b>	<b>4,330,985,141.02</b>
033	<b>Movement in regulatory deferral account balances</b>		<b>0.00</b>	<b>0.00</b>
034	Regulatory deferred account - deferred		0.00	0.00
035	Others		99,365,335.46	113,929,370.60
036	Tax impact on Regulatory deferral account balances		0.00	0.00
037	<b>Movement in Regulatory deferral account balances (Net of Tax)</b>		<b>99,365,335.46</b>	<b>113,929,370.60</b>
038	<b>Profit for the period/ year</b>		<b>2,871,316,578.36</b>	<b>4,444,914,511.62</b>
039	<b>Other comprehensive income</b>		<b>0.00</b>	<b>0.00</b>
040	<b>(A) Items that will not be reclassified to profit or loss</b>		<b>0.00</b>	<b>0.00</b>
041	- Net gains/(losses) on fair value of equity instruments through other comprehensive income		0.00	0.00
042	Income tax on above that will not be reclassified to profit or loss		0.00	0.00
043	- Net actuarial gains/(losses) on defined benefit plans		-30,210,815.78	1,265,554.97
044	Income tax on above that will not be		0.00	0.00

*Subendra*



A Maharatna Company

**BARH THERMAL POWER PROJECT  
STATEMENT OF PROFIT AND LOSS**

( Amount in ₹ )

	For the Year ended	Note	31.03.2020	31.03.2019
	reclassified to profit or loss			
048			0.00	0.00
049	<b>Other comprehensive income for the year, net of income tax</b>		<b>-30,210,815.78</b>	<b>1,265,554.97</b>
050			0.00	0.00
051	<b>Total Comprehensive Income for the year</b>		<b>2,841,105,762.58</b>	<b>4,446,180,066.59</b>
065			0.00	0.00
066	<b>Earnings per equity share:</b>		<b>0.00</b>	<b>0.00</b>
067	Basic & Diluted		0.00	0.00
068	Significant Accounting Policies		0.00	0.00
069	Expenditure during construction period (Net)/Dev. of coal mines (net) 43 /43A		0.00	0.00
070	The accompanying notes 1 to 44 form an integral part of these financial statements.		0.00	0.00

( Auditor Initial & Stamp )

( Head of Finance )

( Head of Unit )

*W. S. S. S.*



A Maharatna Company

**BARH THERMAL POWER PROJECT  
BALANCE SHEET**

( Amount in ₹ )

As at	Note	31.03.2020	31.03.2019
046	<b>ii) Trade payables</b>	<b>0.00</b>	<b>0.00</b>
047	- Total outstanding dues of micro and small enterprises	0.00	0.00
048	- Total outstanding dues of creditors other than micro and small enterprises	0.00	0.00
049	iii) Other financial liabilities	4,047,439,880.23	6,342,580,550.79
050	Provisions	0.00	0.00
051	Deferred Tax Liabilities (net)	0.00	0.00
052	Other non-current liabilities	0.00	0.00
053		<b>0.00</b>	<b>0.00</b>
054	<b>Total non-current liabilities</b>	<b>4,047,439,880.23</b>	<b>6,342,580,550.79</b>
055		<b>0.00</b>	<b>0.00</b>
056	<b>Current Liabilities</b>	<b>0.00</b>	<b>0.00</b>
057	<b>Financial liabilities</b>	<b>0.00</b>	<b>0.00</b>
058	i) Borrowings	0.00	0.00
059	<b>ii) Trade Payables</b>	<b>0.00</b>	<b>0.00</b>
060	- Total outstanding dues of micro and small enterprises	208,009,502.56	156,853,581.80
061	- Total outstanding dues of creditors other than micro and small enterprises	3,680,121,636.99	1,579,329,331.12
062	iii) Other financial liabilities	17,363,090,670.48	15,855,846,280.52
063	Other current liabilities	124,629,085.99	87,300,661.38
064	Provisions	1,237,482,244.79	1,246,633,062.84
065	Current tax liabilities (net)	0.00	0.00
066		<b>0.00</b>	<b>0.00</b>
067	<b>Sub Total</b>	<b>22,613,333,140.81</b>	<b>18,925,962,917.66</b>
068		<b>0.00</b>	<b>0.00</b>
069	Deferred Revenue	1,336,867,000.00	-95,632,000.00
070	Regulatory deferral account credit balances	0.00	0.00
071	Inter Unit Accounts	235,447,603,796.39	227,480,365,379.07
072		<b>0.00</b>	<b>0.00</b>
073	<b>TOTAL EQUITY AND LIABILITIES</b>	<b>275,991,561,577.06</b>	<b>262,328,737,300.68</b>
074	Significant Accounting Policies as per Note 1	0.00	0.00
075		<b>0.00</b>	<b>0.00</b>
076	The accompanying notes 1 to 44 form an integral part of these financial statements.	0.00	0.00
077		0.00	0.00
078		<b>0.00</b>	<b>0.00</b>

( Auditor Initial & Stamp )

( Head of Finance )

( Head of Unit )

*Vitender*





A Maharatna Company

**BARH THERMAL POWER PROJECT  
OTHER COMPREHENSIVE INCOME**

( Amount in ₹ )

For the Year ended	31.03.2020	31.03.2019
001	0.00	0.00
002 <b>Other comprehensive income</b>	<b>0.00</b>	<b>0.00</b>
003 <b>(A) Items that will not be reclassified to profit or loss</b>	<b>0.00</b>	<b>0.00</b>
004 - Net gains/(losses) on fair value of equity instruments through other comprehensive income	0.00	0.00
005 Income tax on above that will not be reclassified to profit or loss	0.00	0.00
006 - Net actuarial gains/(losses) on defined benefit plans	-30,210,815.78	1,265,554.97
007 Income tax on above that will not be reclassified to profit or loss	0.00	0.00
008	0.00	0.00
009 (B) Items that will be reclassified to profit or loss	0.00	0.00
010 Income tax relating to above items that will be reclassified to profit or loss	0.00	0.00
011	0.00	0.00
012 <b>Other comprehensive income for the year, net of income tax</b>	<b>-30,210,815.78</b>	<b>1,265,554.97</b>
013	0.00	0.00
014 <b>Total comprehensive income for the year (A+B)</b>	<b>-30,210,815.78</b>	<b>1,265,554.97</b>

Note forming part of Balance Sheet  
 Note 2 : Property, Plant And Equipment  
 Business Area : 1028

(Amount in Rupees)

Asset Class	Opening Gross Block As At 01.04.2019	Additions	Deductions/ Adjustments	Closing Gross Block As At 31.03.2020	Opening Depreciation As At 01.04.2019	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2020	Net Block As At 31.03.2020	Net Block As At 31.03.2019
1 TANGIBLE ASSETS										
2 Land : (including development expenses)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 Freehold	3077719046.00	0.00	0.00	3077719046.00	0.00	0.00	0.00	0.00	3077719046.00	3077719046.00
4 Right of Use	49673929.64	0.00	0.00	49673929.64	8822955.82	2213837.49	0.00	11036783.31	38637136.33	40850973.82
5 Submergence	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 CBA Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7 Roads, bridges, culverts & helipads	998154110.53	75283492.92	20103895.48	1097541499.93	124912197.48	33821927.61	0.00	158734125.09	938807374.84	873241913.05
8 Building :	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9 Freehold	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10 Main plant	5164787123.87	0.00	25551545.86	5190338669.73	629178690.93	175379761.53	0.00	804558452.46	4385780217.27	4535608432.94
11 Others	1786447587.55	133069741.78	7202156.93	1926739486.26	245630093.58	74330760.15	0.00	319960853.73	1606776632.53	1540817493.97
12 Right of Use	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13 Temporary erection	275178.41	1048565.71	0.00	1323744.12	275178.41	87380.48	0.00	362556.89	961185.23	0.00
14 Water Supply, drainage & sewerage system	118501198.74	0.00	0.00	118501198.74	14734167.11	4233464.45	0.00	18967631.56	99533567.18	103767031.63
15 Hydraulic works, barrages, dams, tunnels and power channel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16 MGR track and signalling system	1053850424.82	0.00	32468211.05	1086318635.87	199593386.05	54206579.80	0.00	25379964.85	832518671.02	854257036.77
17 Railway siding	2917980014.73	0.00	(6601625.00)	2911378389.73	444046376.58	148421342.51	0.00	592467719.09	2316910670.64	2473933638.15
18 Earth dam reservoir	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19 Plant and machinery(including associated civil works)	87212559514.56	733761950.31	1035240581.77	88981562046.64	13450771574.87	4921286884.62	(111279332.70)	18260779126.79	70720782919.85	73761787939.69
Owned Asset										

**Note forming part of Balance Sheet  
Note 2 : Property, Plant And Equipment  
Business Area :1028**

(Amount in Rupees)

Asset Class	Opening Gross Block As At 01.04.2019	Additions	Deductions/ Adjustments	Closing Gross Block As At 31.03.2020	Opening Depreciation As At 01.04.2019	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2020	Net Block As At 31.03.2020	Net Block As At 31.03.2019
20 Plant and machinery(including associated civil works)-Right of use Asset	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21 Furniture and fixtures	176731255.44	14529787.01	515229.81	191776272.26	43238091.18	13365739.48	35506.40	56629337.06	135146935.20	133493164.26
22 Assets under 5 Km Scheme	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23 Vehicles - Owned	4366732.42	282000.00	0.00	4648732.42	1090410.98	223920.92	0.00	1314331.90	3334400.52	3276321.44
24 Vehicles - Leased	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25 Office equipment	45140796.30	16794134.75	238393.79	62173324.84	17456246.06	5678992.12	(40526.72)	23094713.46	39076611.38	27684548.24
26 EDP, WP machines and satcom equipment	64894115.67	8423648.00	(1486613.62)	71629150.05	37808643.15	12470921.55	(2047697.65)	46231667.05	23597283.00	27085472.52
27 Construction equipments	117005594.88	0.00	(708758.80)	116296836.08	37861329.86	10223524.29	0.00	48084854.15	68211981.93	79144265.02
28 Electrical Installations	263863240.47	0.00	415085.00	264278305.47	55431958.60	14520826.33	0.00	69952784.93	194325520.54	208431281.87
29 Communication equipments	48404072.03	1552322.50	(0.90)	49956393.63	13871772.25	4696049.17	0.00	18567821.42	31388572.21	34532289.78
30 Hospital equipments	1468382.56	0.00	0.00	1468382.56	369399.57	82337.56	0.00	451737.13	1016645.43	1098982.99
31 Laboratory and workshop equipments	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32 Capital expenditure on assets not owned by the Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33 Assets of Government	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34 Less:Grants from Government	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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**Note forming part of Balance Sheet  
Note 2 : Property, Plant And Equipment  
Business Area : 1028**

(Amount in Rupees)

Asset Class	Opening Gross Block As At 01.04.2019	Additions	Deductions/ Adjustments	Closing Gross Block As At 31.03.2020	Opening Depreciation As At 01.04.2019	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2020	Net Block As At 31.03.2020	Net Block As At 31.03.2019
35 Less: Recoverable from GOI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36 Assets for ash utilisation	0.00	1599315.00	0.00	1599315.00	0.00	0.00	0.00	0.00	1599315.00	0.00
37 (Less):-Adjusted from fly ash utilisation reserve fund	0.00	1599315.00	0.00	1599315.00	0.00	0.00	0.00	0.00	1599315.00	0.00
38 Site Restoration Cost	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39 Mining Properties	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Grand Total (Tangible)</b>	103101822318.62	988765642.98	1112936082.37	105203524043.97	15325092474.48	5475234249.06	(11332050.67)	20686994672.87	84516529371.10	87776729844.14
<b>Grand Total Prev Year (Tangible)</b>	105907691120.36	1395452954.69	(4201321756.43)	103101822318.62	14418586646.26	921136105.31	(14630477.09)	15325092474.48	87776729844.14	91489104274.10

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**Note forming part of Balance Sheet  
Note 2 : Property, Plant And Equipment  
Business Area :1028**

(Amount in Rupees)

Particulars	Details of Adjustments of Gross Block and Depreciation/Amortization	
	Gross Block	Depreciation/Amortization
	Tangible As At: 31.03.2020	Tangible As At: 31.03.2019
Disposal of assets	(2516644.52)	(4228135.26)
Retirement of assets	(243276558.33)	(73358804.13)
Cost adjustments	1357474056.54	(4113697004.09)
Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00
Depreciation on construction equipment capitalised as EDC	0.00	0.00
Prior Period Depreciation due to Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00
Special Depreciation (As per New Policy)	0.00	0.00
Transfer in /out because of Inter Unit transfers	1255228.68	(10037812.95)
Others	0.00	0.00
<b>TOTAL</b>	<b>1112936082.37</b>	<b>(4201321756.43)</b>
		<b>(1780155.56)</b>
		<b>(111828070.93)</b>
		<b>0.00</b>
		<b>0.00</b>
		<b>0.00</b>
		<b>0.00</b>
		<b>0.00</b>
		<b>0.00</b>
		<b>(8567913.66)</b>
		<b>0.00</b>
		<b>(14630477.09)</b>

Note:- Additions during the year includes capital expenditure towards CSR (in Rs.) : 0.00

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Note forming part of Balance Sheet  
 Note 3: Capital-Work-in-Progress  
 Business Area: BARH THERMAL POWER PROJECT  
 (Amount in Rupees)

Sl No	Asset Class	As At 01.04.2019	Addition	Deduction/ Adjustment	Capitalized	As At 31.03.2020
	1	2	3	4	5	6
1	CAPITAL WORK-IN-PROGRESS					
2	Development of land	2066175839.87		(107750605.00)		1958425234.87
3	Roads, bridges, culverts & helipads	4175530.84	33543770.25	43637473.77	79283492.92	2073281.94
4	Piling and foundation	6768092455.34	357921605.00			7126014060.34
5	Buildings :					
6	Main plant	2219368168.00	269408730.98	(25551545.86)		2463225351.12
7	Others	3810573397.27	630031339.60	95989.08	123971806.06	4316728919.89
8	Temporary erection	29342744.11	20303025.72	(9490900.30)	1048585.71	39106303.82
9	Water supply, drainage and sewerage system	77589698.72		(72994935.80)		4594762.92
10	Hydraulic works, barrages, dams, tunnels and power channel					
11	MGR track and signalling system		32468211.05	(32468211.05)		
12	Railway siding					
13	Earth dam reservoir					
14	Plant and equipment	131933508669.15	13837255911.24	(1241180068.13)	610869374.11	143918715138.15
15	Furniture and fixtures	5521131.25	6992383.11	54147.98	4556825.00	8010737.34
16	Vehicles					
17	Office equipment					
18	EDP/WP machines & satcom equipment	1229886.25	65041.00			1294937.25
19	Construction equipments					
20	Electrical installations	415065.00		(415065.00)		
21	Communication equipment					
22	Hospital equipments					
23	Laboratory and workshop equipments					
24	Assets under 5Km Scheme of the GOI					
25	Capital expenditure on assets not owned by the company		55163220.87	(55163220.87)		
26	Expenditure towards development of coal mines					
27	Survey, Investigation, Consultancy & Supervision Cha	40140508.89				40140508.89
28	Difference in exchange on foreign currency loans	9228721660.56	2554089122.20	(958468892.26)		10854341890.50

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Note forming part of Balance Sheet  
 Note 3: Capital-Work-in-Progress  
 Business Area: BARH THERMAL POWER PROJECT

(Amount in Rupees)

Sl No	Asset Class	As At 01.04.2019	Addition	Deduction/ Adjustment	Capitalized	As At 31.03.2020
		2	3	4	5	6
29	1					
	Expenditure towards diversion of forest land					
30	Pre-commissioning expenses (net)		284195481.51			284195481.51
31	Exp/Pend/Alloca-oth ex attribut Project		55104022.00			55104022.00
32	Expenditure During Construction Period (net)*	(0.59)	8292285690.87	112748659.72		8405034250.00
33	LESS : Allocated to related works		5405034250.00			8405034250.00
34	LESS : Provision for Unservicable works	101849044.86				101849044.86
35	<b>Construction stores (At Cost)</b>					
36	Steel	431322613.21	85825248.47	(105134444.08)		412013417.60
37	Cement	39345428.21	38736794.78	(48468487.30)		29613735.69
38	Others	955238160.92	536628962.60	(117048620.54)		1374818502.98
39	<b>Sub-total</b>	<b>1425906202.34</b>	<b>861191005.85</b>	<b>(270651551.92)</b>		<b>1816445656.27</b>
40	LESS : Provision for shortages	86519490.00		5590290.00		92109780.00
41	<b>Sub-total</b>	<b>1339386712.34</b>	<b>661191005.85</b>	<b>(276241841.92)</b>		<b>1724335676.27</b>
42	<b>Total CWIP</b>	<b>157422392430.14</b>	<b>18714984211.25</b>	<b>(2623189015.64)</b>	<b>819730163.80</b>	<b>172694457461.95</b>
43						
44						
45	<b>PREVIOUS YEAR TOTAL</b>	<b>143194700369.70</b>	<b>19050732392.01</b>	<b>(1255452728.05)</b>	<b>1140085633.02</b>	<b>157422392430.14</b>

Note:- Additions during the year includes capital expenditure towards CSR (in Rs.) :

0.00

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Note forming part of Balance Sheet  
 Note-4 Non Current Assets - Intangible Assets  
 Business Area : 1028

(Amount in Rupees)

Asset Class	Opening Gross Block As At 01.04.2019	Additions	Deductions/ Adjustments	Closing Gross Block As At 31.03.2020	Opening Depreciation As At 01.04.2019	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2020	Net Block As At 31.03.2020	Net Block As At 31.03.2019
INTANGIBLE ASSETS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1 Right of Use- Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 -Others	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 -Software	1016303.64	0.00	0.00	1016303.64	1016303.64	0.00	0.00	1016303.64	0.00	0.00
Grand Total (Intangible)	1016303.64	0.00	0.00	1016303.64	1016303.64	0.00	0.00	1016303.64	0.00	0.00
Grand Total Prev Year (Intangible)	1016303.64	0.00	0.00	1016303.64	667743.09	148560.55	0.00	1016303.64	0.00	148560.55

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**Note forming part of Balance Sheet  
Note-4 Non Current Assets- Intangible Assets  
Business Area : 1028**

(Amount in Rupees)

Particulars	Details of Adjustments of Gross Block and Depreciation/Amortization		
	Gross Block		Depreciation/Amortization
	InTangible As At: 31.03.2020	InTangible As At: 31.03.2019	InTangible As At: 31.03.2019
Disposal of assets	0.00	0.00	0.00
Retirement of assets	0.00	0.00	0.00
Cost adjustments	0.00	0.00	0.00
Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00
Depreciation on construction equipment capitalised as EDC	0.00	0.00	0.00
Prior Period Depreciation due to Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00
Special Depreciation (As per New Policy)	0.00	0.00	0.00
Transfer in /out because of Inter Unit transfers	0.00	0.00	0.00
Others	0.00	0.00	0.00
<b>TOTAL</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

W  
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Note:- Additions during the year includes capital expenditure towards CSR (in Rs.) : 0.00

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Note forming part of Balance Sheet  
 Note 5: Intangible Assets under Development  
 Business Area: BARH THERMAL POWER PROJECT

(Amount in Rupees)

Sl No	Asset Class	As At 01.04.2019	Addition	Deduction/ Adjustment	Capitalized	As At 31.03.2020
		2	3	4	5	6
1	INTANGIBLE ASSETS UNDER DEVELOPMENT					
2	Software					
3	Right to use Others					
4	Exploration and Evaluation Expenditure - Coal Mini					
5	Exploratory wells-in-progress					
6	Less: Provision for exploratory wells-in-progress					
7	Total					
8	PREVIOUS YEAR TOTAL-I					

Note:- Additions during the year includes capital expenditure towards CSR (in Rs.) :

0.00

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A Maharatna Company

**BARH THERMAL POWER PROJECT**

**NOTE NO. 6 TO THE FS-NCA-INVESTMENTS IN SUBSIDIARIES & JOINT VENTURES**

( Amount in ₹ )

As at	No. of shares	Face value	31.03.2020	31.03.2019
001	<b>NON CURRENT INVESTMENTS-</b> Investments in subsidiaries and joint ventures		0.00	0.00
012	<b>Equity Instruments -</b> Unquoted-(fully paid up unless otherwise stated, at cost)		0.00	0.00
013	<b>Subsidiary Companies</b>		0.00	0.00
014	Patratu Vidyut Utpadan Nigam Ltd.		0.00	0.00
015	NTPC Electric Supply Company Ltd.		0.00	0.00
016	NTPC Vidyut Vyapar Nigam Ltd.		0.00	0.00
017	Nabinagar Power Generating Company Ltd.		0.00	0.00
018	Kanti Bijlee Utpadan Nigam Ltd.		0.00	0.00
019	Bhartiya Rail Bijlee Company Ltd.		0.00	0.00
020	NTPC Mining Ltd (NML)		0.00	0.00
021	THDC India Ltd.		0.00	0.00
022	NEEPCO LTD.		0.00	0.00
023			0.00	0.00
024			0.00	0.00
025			0.00	0.00
026			0.00	0.00
027			0.00	0.00
028			0.00	0.00
029			0.00	0.00
030	<b>Sub Total</b>		<b>0.00</b>	<b>0.00</b>
055	<b>Joint Venture Companies</b>		<b>0.00</b>	<b>0.00</b>
056	Utility Powertech Ltd.		0.00	0.00
057	NTPC GE Power Services Pvt.Ltd.		0.00	0.00
058	NTPC-SAIL Power Company Ltd.		0.00	0.00
059	NTPC-Tamil Nadu Energy Company Ltd.		0.00	0.00
060	Ratnagiri Gas & Power Private Ltd.		0.00	0.00

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**BARH THERMAL POWER PROJECT**

**NOTE NO. 6 TO THE FS-NCA-INVESTMENTS IN SUBSIDIARIES & JOINT VENTURES**

( Amount in ₹ )

As at	No. of shares	Face value	31.03.2020	31.03.2019
061 Aravali Power Company Private Ltd.			0.00	0.00
062			0.00	0.00
063 NTPC BHEL Power Projects Private Ltd.			0.00	0.00
064 Meja Urja Nigam Private Limited			0.00	0.00
065 BF-NTPC Energy Systems Ltd.			0.00	0.00
066			0.00	0.00
067 Nabinagar Power Generating Company Ltd.			0.00	0.00
068 Transformer and Electrical Kerala Ltd.			0.00	0.00
069 National High Power Test Laboratory Private Ltd.			0.00	0.00
070			0.00	0.00
071 CIL NTPC Urja Private Ltd.			0.00	0.00
072 Anushakti Vidhyut Nigam Ltd.			0.00	0.00
073 Energy Efficiency Services Ltd.			0.00	0.00
074			0.00	0.00
075 Trincomalee Power Company Ltd.			0.00	0.00
076 Bangladesh-India Friendship Power Company (Pvt.) Ltd.			0.00	0.00
077 Hindustan Urvarak & Rasayan Limited			0.00	0.00
078 Konkan LNG Pvt. Ltd			0.00	0.00
079			0.00	0.00
081 <b>Sub Total</b>			<b>0.00</b>	<b>0.00</b>
109 Aggregate amount of impairment in the value of investments			0.00	0.00
110			0.00	0.00
111			0.00	0.00
134 Total			0.00	0.00
135 Details of Investments			0.00	0.00
136 Aggregate amount of Unquoted Investments			0.00	0.00
141			0.00	0.00



BARH THERMAL POWER PROJECT

NOTE NO. 6 TO THE FS-NCA-INVESTMENTS IN SUBSIDIARIES & JOINT VENTURES

( Amount in ₹ )

As at	No. of shares	Face value	31.03.2020	31.03.2019
142			0.00	0.00
143			0.00	0.00
144			0.00	0.00
145			0.00	0.00
153	Valuation of Investments as per Note 1.		0.00	0.00
154			0.00	0.00
202			0.00	0.00
233			0.00	0.00



A Maharatna Company

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 7 TO THE FS-NCA-INVESTMENTS**

As at		No. of shares	Face value	( Amount in ₹ )	
				31.03.2020	31.03.2019
001	Non-current financial assets (investments)		0.00		0.00
006	<b>Long Term - Trade</b>		<b>0.00</b>		<b>0.00</b>
007	<b>Equity Instruments (fully paid up-unless otherwise stated)</b>		<b>0.00</b>		<b>0.00</b>
008	<b>Quoted</b>		<b>0.00</b>		<b>0.00</b>
009	<b>Joint Venture Companies</b>		<b>0.00</b>		<b>0.00</b>
010	PTC India Ltd.		0.00		0.00
070	International Coal Ventures Private Ltd.		0.00		0.00
075	BF-NTPC Energy Systems Ltd.		0.00		0.00
098			0.00		0.00
110	Cooperative Societies		0.00		0.00
111	<b>Sub Total</b>		<b>0.00</b>		<b>0.00</b>
112	Aggregate amount of impairment in the value of investments		0.00		0.00
115	<b>Total</b>		<b>0.00</b>		<b>0.00</b>
120			0.00		0.00
146	NTPC Employees Consumers and Thrift Co-operative Society Ltd. Korba		0.00		0.00
147	NTPC Employees Consumers and Thrift Cooperative Society Ltd. RSTPP		0.00		0.00
148	NTPC Employees Consumers Cooperative Society Ltd. Farakka		0.00		0.00
149	NTPC Employees Consumers Cooperative Society Ltd. Vindhyachal		0.00		0.00
150	NTPC Employees Consumers Cooperative Society Ltd. Anta		0.00		0.00
151	NTPC Employees Consumers Cooperative Society Ltd. Kawas		0.00		0.00
152	NTPC Employees Consumers Cooperative Society Ltd. Kaniha		0.00		0.00



A Maharatna Company

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 8 TO THE FS-NCA-TRADE RECEIVABLES**

As at		( Amount in ₹ )	
	31.03.2020		31.03.2019
001	Non-current financial assets - Trade receivables	0.00	0.00
002	Unsecured, considered good	0.00	0.00
003	With significant increase in Credit Risk	0.00	0.00
004	Credit impaired	0.00	0.00
005		0.00	0.00
006	<b>Total</b>	<b>0.00</b>	<b>0.00</b>

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A Maharatna Company

**BARH THERMAL POWER PROJECT  
NOTE NO. 9 TO THE FS-NCA-LOANS**

As at	31.03.2020	31.03.2019
001 <b>Loans (Non Current)</b>	<b>0.00</b>	<b>0.00</b>
004 Related Parties	0.00	0.00
005 Secured	0.00	0.00
006 Un-Secured	0.00	0.00
007 With significant increase in Credit Risk	0.00	0.00
008 Credit impaired	0.00	0.00
009	0.00	0.00
010 Employees(including accrued interest)	0.00	0.00
011 Secured	0.00	0.00
012 Unsecured	65,262,467.66	51,814,912.66
013 With significant increase in Credit Risk	50,972,318.15	63,403,700.62
014 Credit impaired	0.00	0.00
015 Less : Employee Loans Discounting	0.00	0.00
016 Secured	0.00	0.00
017 Unsecured	16,324,246.82	14,629,784.52
018 Loan to State Government in settlement of dues from customers (Unsecured)	9,917,031.49	13,320,926.90
019 Others	0.00	0.00
020 Secured	0.00	0.00
021 Unsecured	0.00	0.00
022 With significant increase in Credit Risk	0.00	0.00
023 Credit impaired	0.00	0.00
024 Less: Allowance for credit impaired loans	0.00	0.00
025 <b>Sub Total</b>	<b>0.00</b>	<b>0.00</b>
026	<b>89,993,507.50</b>	<b>87,267,901.86</b>
027 <b>Total</b>	<b>0.00</b>	<b>0.00</b>
028	<b>89,993,507.50</b>	<b>87,267,901.86</b>
029	0.00	0.00
030 <b>Due from Directors and Officers of the Company</b>	<b>0.00</b>	<b>0.00</b>
031 Directors	0.00	0.00
032 Officers	0.00	0.00
033	0.00	0.00
034 <b>Loans to related parties include:</b>	<b>0.00</b>	<b>0.00</b>
035 i)Key management personel	0.00	0.00
036 ii)Subsidiary companies	0.00	0.00
037 iii)Joint Venture companies	0.00	0.00
038 iv)Others	0.00	0.00
039	0.00	0.00
054 Other loans represent loans given to	<b>0.00</b>	<b>0.00</b>
055 a) APIIC	0.00	0.00
060	0.00	0.00
061 RPD	0.00	0.00
062 i)Key management personel	0.00	0.00
063 ii)Subsidiary companies	0.00	0.00
064 iii)Joint Venture companies	0.00	0.00
065 iv)Others	0.00	0.00

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A Maharatna Company

**BARH THERMAL POWER PROJECT  
NOTE NO. 9 TO THE FS-NCA-LOANS**

As at		( Amount in ₹ )	
		31.03.2020	31.03.2019
066	<b>Total</b>	<b>0.00</b>	<b>0.00</b>

*Intender*



A Maharatna Company

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 10 TO THE FS-NCA-OTHER FINANCIAL ASSETS**

As at		( Amount in ₹ )	
		31.03.2020	31.03.2019
001	<b>Other Financial Assets (non current)</b>	<b>0.00</b>	<b>0.00</b>
002		0.00	0.00
003	<b>Share application money pending allotment in (Subsidiary Companies) :</b>	<b>0.00</b>	<b>0.00</b>
004	NTPC Electric Supply Company Ltd.	0.00	0.00
005	NTPC Vidyut Vyapar Nigam Ltd.	0.00	0.00
006	Nabinagar Power Generating Company Ltd.	0.00	0.00
007	Kanti Bijlee Utpadan Nigam Ltd.	0.00	0.00
008	Bhartiya Rail Bijlee Company Ltd.	0.00	0.00
009	Patratu Vidyut Utpadan Nigam Ltd.	0.00	0.00
010	NTPC Mining Limited	0.00	0.00
011	THDC Ltd.	0.00	0.00
012	NEEPCO Ltd	0.00	0.00
013		0.00	0.00
014	<b>Total</b>	<b>0.00</b>	<b>0.00</b>
015	<b>Share application money pending allotment (Joint Venture)</b>	<b>0.00</b>	<b>0.00</b>
016	Utility Powertech Ltd.	0.00	0.00
017	NTPC GE Power Services Pvt.Ltd.	0.00	0.00
018	NTPC-SAIL Power Company Ltd.	0.00	0.00
019	NTPC-Tamil Nadu Energy Company Ltd.	0.00	0.00
020	Ratnagiri Gas & Power Private Ltd.	0.00	0.00
021	Aravali Power Company Private Ltd.	0.00	0.00
022		0.00	0.00
023	NTPC BHEL Power Projects Private Ltd.	0.00	0.00
024	Meja Urja Nigam Private Limited	0.00	0.00
025	BF-NTPC Energy Systems Ltd.	0.00	0.00
026	Anushakti Vidhyut Nigam Ltd.	0.00	0.00
027	Nabinagar Power Generating Company Ltd.	0.00	0.00
028	Energy Efficiency Services Ltd.	0.00	0.00
029	National High Power Test Laboratory Private Ltd.	0.00	0.00
030		0.00	0.00
031	CIL NTPC Urja Private Ltd.	0.00	0.00
032	Trincomalee Power Company Ltd.	0.00	0.00
033	Hindustan Urvarak & Rasayan Limited	0.00	0.00
034	Bangladesh-India Friendship Power Company Private Ltd.	0.00	0.00
035	<b>Sub Total</b>	<b>0.00</b>	<b>0.00</b>
036		0.00	0.00
037	Claims Recoverable	0.00	0.00
038	Finance Lease Recoverable	0.00	0.00
039	Mine Closure Deposit	0.00	0.00
040		0.00	0.00
041	<b>Total</b>	<b>0.00</b>	<b>0.00</b>



A Maharatna Company

**BARH THERMAL POWER PROJECT**

**NOTE NO. 11 TO THE FS-NCA-OTHER NON-CURRENT ASSETS**

As at	31.03.2020	31.03.2019
001 <b>Other Non-current Assets</b>	<b>0.00</b>	<b>0.00</b>
002	<b>0.00</b>	<b>0.00</b>
003 <b>CAPITAL ADVANCES</b>	<b>0.00</b>	<b>0.00</b>
004 Secured	<b>0.00</b>	<b>0.00</b>
005 Unsecured	14,036,722.00	14,036,722.00
006 Covered by Bank Guarantee	0.00	0.00
007 Others	869,653,239.19	1,082,913,633.62
008 Considered doubtful	528,780,102.94	766,077,852.00
009 Less: Allowance for bad & doubtful advances	0.00	0.00
010 <b>Sub-Total</b>	<b>0.00</b>	<b>0.00</b>
011	<b>1,412,470,064.13</b>	<b>1,863,028,207.62</b>
012 Advances other than capital advances	0.00	0.00
013 Security deposits	0.00	0.00
019 Advances to Related parties	0.00	0.00
022 <b>Advances to Contractors &amp; Suppliers</b>	<b>0.00</b>	<b>0.00</b>
023 Secured	0.00	0.00
024 Unsecured	0.00	0.00
025 Considered Doubtful	6,646,519,362.00	6,646,519,362.00
026 Less: Allowance for bad & doubtful advances	0.00	0.00
027 <b>Sub Total</b>	<b>0.00</b>	<b>0.00</b>
039 Advance tax & tax deducted at source	<b>6,646,519,362.00</b>	<b>6,646,519,362.00</b>
040 Less:- Provision for current tax	303,767.00	179,996.00
041	0.00	0.00
042 <b>Sub Total</b>	<b>0.00</b>	<b>0.00</b>
043 Deferred Payroll Expenses (Secured)	<b>303,767.00</b>	<b>179,996.00</b>
044 Deferred Payroll Expenses (Unsecured)	13,461,958.22	12,844,900.40
045 <b>Sub Total</b>	<b>7,548,103.57</b>	<b>10,836,378.36</b>
046 Deferred Foreign Currency Fluctuation Asset	<b>21,010,061.79</b>	<b>23,681,278.76</b>
048 <b>Total</b>	<b>1,360,324,000.00</b>	<b>123,862,000.00</b>
049	<b>9,440,627,254.92</b>	<b>8,657,270,844.38</b>
050	0.00	0.00
061 Advances include amount due from the following Private Companies in which Directors of the Company are also Directors in such Companies	0.00	0.00
063	0.00	0.00
064 NTPC GE Power Services Pvt.Ltd.	0.00	0.00
065	0.00	0.00
066 Ratnagiri Gas & Power Private Ltd.	0.00	0.00
067 Aravali Power Company Private Ltd.	0.00	0.00
068 NTPC-SCCL Global Ventures Private Ltd.	0.00	0.00
069 NTPC BHEL Power Projects Private Ltd.	0.00	0.00
070 Meja Urja Nigam Private Limited	0.00	0.00
071 Nabinagar Power Generating Company Ltd.	0.00	0.00
072 National High Power Test Laboratory Private Ltd.	0.00	0.00
074 CIL NTPC Urja Private Ltd.	0.00	0.00
076	0.00	0.00
077 <b>Related Party (Adv)</b>	<b>0.00</b>	<b>0.00</b>

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A Maharatna Company

**BARH THERMAL POWER PROJECT**

**NOTE NO. 11 TO THE FS-NCA-OTHER NON-CURRENT ASSETS**

As at		( Amount in ₹ )	
	31.03.2020		31.03.2019
078	Key Management personel	0.00	0.00
079	Subsidiary companies	0.00	0.00
080	Joint Venture companies	0.00	0.00
081	Contractors	0.00	0.00
082	Others	0.00	0.00
084		0.00	0.00
085	<b>Total</b>	<b>0.00</b>	<b>0.00</b>

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BARH THERMAL POWER PROJECT  
NOTE NO. 12 TO THE FS-CA-INVENTORIES

As at		( Amount in ₹ )	
		31.03.2020	31.03.2019
001	<b>INVENTORIES</b>		
002		0.00	0.00
003	Coal	0.00	0.00
004	Fuel oil	3,597,628,710.00	2,735,300,074.45
005	Naphtha	149,714,069.47	151,771,709.24
006	Stores and spares	0.00	0.00
007	Chemicals & consumables	1,794,169,044.14	1,743,624,483.97
008	Loose tools	50,064,038.94	45,930,713.94
009	Steel Scrap	2,378,542.23	2,475,385.96
010	Others*	29,103,708.72	25,465,085.60
011	<b>Sub Total</b>	<u>191,853,574.86</u>	<u>142,241,230.70</u>
012	Less: Provision for shortages	<u>5,814,911,688.36</u>	<u>4,846,808,683.86</u>
013	Less: Provision for obsolete/ unserviceable/dimuntion in value of surplus inventory	24,271,520.00	0.00
014		0.00	0.00
015	<b>Total</b>	<u>0.00</u>	<u>0.00</u>
016	<b>Inventories include material in transit</b>	<u>5,790,640,168.36</u>	<u>4,846,808,683.86</u>
017	Coal	0.00	0.00
018	Fuel oil	145,371,576.28	134,639,105.56
019	Naphtha	151,527.51	0.00
020	Stores and spares	0.00	0.00
021	Chemicals & consumables	14,747,332.31	53,071,993.07
022	Loose tools	279,560.45	190,303.38
023	Others	0.00	0.00
024		6,273.24	912,945.08
025	Inventory items other than steel scrap have been valued considering Note 1. Steel scrap has been valued at estimated realisable value.	0.00	0.00



BARH THERMAL POWER PROJECT  
NOTE NO. 13 TO THE FS-CA-INVESTMENTS

As at	No. of shares	Face value	31.03.2020	31.03.2019
001	<b>CURRENT INVESTMENTS</b>		<b>0.00</b>	<b>0.00</b>
002	(Valuation as per Note 1)		<b>0.00</b>	<b>0.00</b>
003			0.00	0.00
033	Investment in Mutual Funds (Details as under)		0.00	0.00
034	SBI-Magnum Insta Cash Fund-DDR		0.00	0.00
035	SBI Premier Liquid Fund Super-IP-DDR		0.00	0.00
036	SBI-SHF Ultra Short Term Fund-IP-DDR		0.00	0.00
037	UTI Money Market- IP-Direct-Growth		0.00	0.00
038	IDBI-Liquid plan- Direct-Growth		0.00	0.00
039	Canara Robeco Liquid Fund Super-IP-DDR		0.00	0.00
040	Canara Robeco Treasury Advantage Fund Super-IP-DDR		0.00	0.00
041	IDBI Liquid Fund-DDR		0.00	0.00
042	SBI Premier Liquid fund-Direct DDR (Ash Fund)		0.00	0.00
043	UTI Liquid CashPlan - IP - DDR (Ash Funds)		0.00	0.00
044	IDBI Liquid Fund - DDR - (Ash Funds)		0.00	0.00
045			0.00	0.00
046	<b>Sub Total</b>		<b>0.00</b>	<b>0.00</b>
047			<b>0.00</b>	<b>0.00</b>
052	<b>Unquoted Investments</b>		<b>0.00</b>	<b>0.00</b>
054			0.00	0.00
066	<b>TOTAL</b>		<b>0.00</b>	<b>0.00</b>
067			0.00	0.00



A Maharatna Company

BARH THERMAL POWER PROJECT  
NOTE NO. 14 TO THE FS-CA-TRADE RECEIVABLES

As at	31.03.2020	31.03.2019
001 <b>TRADE RECEIVABLES (current)*</b>	<b>0.00</b>	<b>0.00</b>
002	0.00	0.00
003 Secured, Considered Good	0.00	0.00
004 Unsecured, considered good	0.00	0.00
005 With significant increase in Credit Risk	1,109,423.55	0.00
006 Credit impaired	0.00	0.00
007 <b>Sub-Total</b>	<b>0.00</b>	<b>0.00</b>
008 <b>Total</b>	<b>1,109,423.55</b>	<b>0.00</b>
009 Less: Allowance for credit impaired receivables	<b>1,109,423.55</b>	<b>0.00</b>
010 <b>Total</b>	<b>0.00</b>	<b>0.00</b>
011	<b>1,109,423.55</b>	<b>0.00</b>
013 * After adjustment for Unbilled Revenue	<b>0.00</b>	<b>0.00</b>
014 Long-term trade receivables	0.00	0.00
015	0.00	0.00
016	0.00	0.00

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A Maharatna Company

BARH THERMAL POWER PROJECT

NOTE NO. 15 TO THE FS-CA-CASH AND CASH EQUIVALENTS

As at	31.03.2020	31.03.2019
001 <b>CASH &amp; BANK BALANCES</b>	<b>0.00</b>	<b>0.00</b>
002 <b>Cash &amp; Cash Equivalents</b>	<b>0.00</b>	<b>0.00</b>
003 Balances with Banks	0.00	0.00
004 Cheques & Drafts on hand	111,299.21	5,486,330.82
005 Cash on hand	0.00	50,000.00
006 Others (stamps in hand)	0.00	0.00
007 Bank deposits with original maturity upto three months	39,503.00	5,663.00
008 Balances with RBI	0.00	0.00
009	0.00	0.00
010 <b>Total</b>	<b>150,802.21</b>	<b>5,541,993.82</b>



**BARH THERMAL POWER PROJECT**

**NOTE NO. 16 TO THE FS-CA-BANK BALANCES OTHER THAN CASH AND CASH EQUIVALENTS**

( Amount in ₹ )

As at	31.03.2020	31.03.2019
001 <b>Other Bank Balances</b>	<b>0.00</b>	<b>0.00</b>
002 Deposits with original maturity of more than three months but not more than twelve months	0.00	0.00
003 Earmarked balances with banks*	0.00	0.00
004 <b>SubTotal</b>	<b>0.00</b>	<b>0.00</b>
005 Interest accrued on deposits	0.00	0.00
006	0.00	0.00
007 <b>Total</b>	<b>0.00</b>	<b>0.00</b>
008	0.00	0.00
009 <b>Earmarked balances with banks consist of :</b>	<b>0.00</b>	<b>0.00</b>
010 Unpaid dividend account balance	0.00	0.00
011 Towards public deposit repayment reserve	0.00	0.00
012 Towards redemption of bonds due for repayment within one year	0.00	0.00
013 Security with Government/other authorities	0.00	0.00
014 Unpaid refund/interest account balance - Tax free bonds/ Bonus Debentures	0.00	0.00
015 Earmarked for RGGVY/DDUGJY/SAUBHAGYA Fund	0.00	0.00
016 Earmarked for Flyash Utilisation Reserve Fund	0.00	0.00
017 Deposits with original maturity upto three months as per court orders	0.00	0.00
018 Payment Security Scheme of MNRE NSM (NTPC)	0.00	0.00
019 Payment Security Scheme of MNRE NSM (NVVN)	0.00	0.00
020 Enforcement Directorate of Solar Plant(NVVN)	0.00	0.00
021 Bank guarantee Fund of MNRE (NVVN)	0.00	0.00
022 Others	0.00	0.00
023	0.00	0.00
024 <b>Total</b>	<b>0.00</b>	<b>0.00</b>
025	0.00	0.00
026 Bank deposits with original maturity of less than three months- other than earmarked	0.00	0.00
027 Bank deposits with original maturity of more than three months but not more than twelve months- other than earmarked	0.00	0.00
028 Earmarked bank balances (current account)	0.00	0.00



A Maharatna Company

BARH THERMAL POWER PROJECT  
NOTE NO. 17 TO THE FS-CA-LOANS

As at	31.03.2020	31.03.2019
001 <b>Current financial assets - Loans</b>	<b>0.00</b>	<b>0.00</b>
002 <b>Loans (current)-including interest accrued</b>	<b>0.00</b>	<b>0.00</b>
004 <b>Related Parties</b>	<b>0.00</b>	<b>0.00</b>
005 Secured	0.00	0.00
006 Un-Secured	0.00	0.00
007 With significant increase in Credit Risk	0.00	0.00
008 Credit impaired	0.00	0.00
009	0.00	0.00
010 <b>Employees</b>	<b>0.00</b>	<b>0.00</b>
011 Secured	0.00	0.00
012 Unsecured	15,366,552.35	12,653,507.37
013 With significant increase in Credit Risk	39,905,769.31	36,734,182.20
014 Credit impaired	0.00	0.00
015 Less : Employee Loans Discounting	0.00	0.00
016 <b>Loan to State Government in settlement of dues from customers (Unsecured)</b>	<b>0.00</b>	<b>0.00</b>
017	0.00	0.00
018 <b>Others</b>	<b>0.00</b>	<b>0.00</b>
019 Secured	0.00	0.00
020 Unsecured	0.00	0.00
021 With significant increase in Credit Risk	0.00	0.00
022 Credit impaired	0.00	0.00
023	0.00	0.00
024 Less: Allowance for credit impaired loans	0.00	0.00
025 <b>Total (Loans)</b>	<b>0.00</b>	<b>0.00</b>
026	<b>55,272,321.66</b>	<b>49,387,689.57</b>
027 <b>Due from Directors and Officers of the Company</b>	<b>0.00</b>	<b>0.00</b>
028 Directors	0.00	0.00
029 Officers	0.00	0.00
030	0.00	0.00
031 <b>Loans to related parties include:</b>	<b>0.00</b>	<b>0.00</b>
032 i)Key management personnel	0.00	0.00
033 ii)Subsidiary companies	0.00	0.00
034 KBUNL	0.00	0.00
035 PVUNL	0.00	0.00
036 NVVN	0.00	0.00
037 iii)Joint Venture companies	0.00	0.00
038 iv)others	0.00	0.00
039	0.00	0.00
059 RPD	0.00	0.00
060 i)Key management personnel	0.00	0.00
061 ii)Subsidiary companies	0.00	0.00
062 iii)Joint Venture companies	0.00	0.00
063 iv)Others	0.00	0.00
064	0.00	0.00
065 <b>Total</b>	<b>0.00</b>	<b>0.00</b>

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A Maharatna Company

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 18 TO THE FS-CA-OTHER FINANCIAL ASSETS**

As at	31.03.2020	31.03.2019
001 <b>Other Financial Assets (current)</b>	<b>0.00</b>	<b>0.00</b>
002	0.00	0.00
003 <b>ADVANCES</b>	<b>0.00</b>	<b>0.00</b>
004	0.00	0.00
005 <b>Related Parties</b>	<b>0.00</b>	<b>0.00</b>
006 Secured	0.00	0.00
007 Un-Secured	0.00	0.00
008 Considered doubtful	-57,804,550.75	418,118.10
009	0.00	0.00
010 <b>Employees</b>	<b>0.00</b>	<b>0.00</b>
012 Unsecured	0.00	0.00
013 Considered Doubtful	4,507,233.00	7,348,960.82
014	0.00	0.00
020 <b>Others</b>	<b>0.00</b>	<b>0.00</b>
021 Secured	0.00	0.00
022 Unsecured	0.00	0.00
023 Considered Doubtful	0.00	0.00
024	0.00	0.00
025 Less: Allowance for bad & doubtful advances	0.00	0.00
026	0.00	0.00
033 <b>Total (Advances)</b>	<b>0.00</b>	<b>0.00</b>
044	<b>-53,297,317.75</b>	<b>7,767,078.92</b>
045 <b>Claims Recoverable</b>	<b>0.00</b>	<b>0.00</b>
046 Secured	0.00	0.00
047 Unsecured, considered good	0.00	0.00
048 Considered Doubtful	243,584,015.69	243,538,530.69
049 Less:- Allowance for doubtful claims	0.00	0.00
050 Others-Claims Recoverable	0.00	0.00
051	0.00	0.00
052 Unbilled Revenue	0.00	0.00
053 Hedging cost recoverable from beneficiaries	0.00	0.00
054 Derivative MTM Asset	0.00	0.00
055 Finance Lease Receivable	0.00	0.00
056 Mine Closure Deposit	0.00	0.00
057 Others*	0.00	0.00
058 Receivable from MCP Escrow A/c	827,688.00	897,732.00
059 <b>Total</b>	<b>0.00</b>	<b>0.00</b>
060	<b>191,114,385.94</b>	<b>252,203,341.61</b>
062 * Other include amount recoverable from contractors and other parties towards hire charges, rent/electricity etc.	0.00	0.00
063	0.00	0.00
067	0.00	0.00
068 <b>Advances to related parties include:</b>	<b>0.00</b>	<b>0.00</b>
069 i)Key management personel	0.00	0.00
070 ii)Subsidiary companies	0.00	0.00
071 iii)Joint Venture companies	0.00	0.00

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A Maharatna Company

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 18 TO THE FS-CA-OTHER FINANCIAL ASSETS**

( Amount in ₹ )

As at	31.03.2020	31.03.2019
072 iv)Contractors	0.00	0.00
073 v)Others	0.00	0.00
074	0.00	0.00
075 Advances include amount due from the following Private Companies in which Directors of the Company are also Directors in such Companies	0.00	0.00
076	0.00	0.00
077	0.00	0.00
078 NTPC GE Power Services Pvt.Ltd.	0.00	0.00
079 Ratnagiri Gas & Power Private Ltd.	0.00	0.00
080 Aravali Power Company Private Ltd.	0.00	0.00
081 NTPC-SCCL Global Ventures Private Ltd.	0.00	0.00
082 NTPC BHEL Power Projects Private Ltd.	0.00	0.00
083 Meja Urja Nigam Private Limited	0.00	0.00
084 Nabinagar Power Generating Company Ltd.	0.00	0.00
085 National High Power Test Laboratory Private Ltd.	0.00	0.00
086 International Coal Ventures Private Ltd.	0.00	0.00
087 CIL NTPC Urja Private Ltd.	0.00	0.00
089 Bangladesh-India Friendship Power Co. Pvt.Ltd	0.00	0.00
090	0.00	0.00
091 Related Party (Adv)- Employee	0.00	0.00
092 Related Party (Adv)- Subsidiaries	0.00	0.00
093 Related Party (Adv)- Joint Ventures	0.00	0.00
094 Related Party (Adv)- Contractors	0.00	0.00
095 Related Party (Adv)- Others	0.00	0.00
096 <b>Total</b>	<b>-57,804,550.75</b>	<b>418,118.10</b>
	<b>-57,804,550.75</b>	<b>418,118.10</b>



A Maharatna Company

## BARH THERMAL POWER PROJECT

## NOTE NO. 19 TO THE FS-CA-OTHER CURRENT ASSETS

( Amount in ₹ )

As at	31.03.2020	31.03.2019
001 <b>OTHER CURRENT ASSETS</b>	<b>0.00</b>	<b>0.00</b>
002 Security Deposits (Unsecured)	0.00	0.00
003 Deposit with Customs, port trust & others*	154,764,613.00	154,764,613.00
004 <b>ADVANCES</b>	<b>0.00</b>	<b>0.00</b>
005	<b>0.00</b>	<b>0.00</b>
006 <b>Related Parties</b>	<b>0.00</b>	<b>0.00</b>
007 Secured	0.00	0.00
008 Un-Secured	920,214,306.43	1,335,603,729.15
009 Considered doubtful	0.00	0.00
010	<b>0.00</b>	<b>0.00</b>
011 <b>Employees(including imprest)</b>	<b>0.00</b>	<b>0.00</b>
012 Secured	0.00	0.00
013 Unsecured	1,037,211.00	2,839,815.58
014 Considered Doubtful	0.00	0.00
015	<b>0.00</b>	<b>0.00</b>
016 <b>Contractors &amp; Suppliers</b>	<b>0.00</b>	<b>0.00</b>
017 Secured	0.00	0.00
018 Unsecured	383,906,991.28	414,492,919.11
019 Considered Doubtful	0.00	0.00
020	0.00	0.00
021 <b>Others**</b>	<b>0.00</b>	<b>0.00</b>
022 Secured	0.00	0.00
023 Unsecured	4,354,419.00	33,422.00
024 Considered Doubtful	0.00	0.00
025	<b>0.00</b>	<b>0.00</b>
026 Less: Allowance for bad & doubtful advances	0.00	0.00
027 Deferred Payroll Expenses (Secured)	1,921,841.39	1,949,355.24
028 Deferred Payroll Expenses (Unsecured)	3,159,177.72	3,404,554.84
029 <b>Sub-total</b>	<b>5,081,019.11</b>	<b>5,353,910.08</b>
030 <b>Interest accrued on :</b>	<b>0.00</b>	<b>0.00</b>
031 Advances to contractors	5,379,505.00	5,689,866.00
032	<b>0.00</b>	<b>0.00</b>
033 <b>Claims Recoverable</b>	<b>0.00</b>	<b>0.00</b>
034 Secured	0.00	0.00
035 Unsecured, considered good	2,691,702,596.25	2,366,455,410.25
036 Considered Doubtful	35,046,000.00	35,046,000.00
037 Less:- Allowance for doubtful claims	35,046,000.00	35,046,000.00
038	<b>0.00</b>	<b>0.00</b>
039 Deferred premium on forward exchange contract/ Option Assets	0.00	0.00
041 Assets Held for Disposal	0.00	513,847.32
042 Others	1,593,371.94	1,119,527.41
043	0.00	0.00
044 <b>Total (Other Current Assets)</b>	<b>4,168,034,033.01</b>	<b>4,286,867,059.90</b>
045 **Include Prepaid Expenses	4,354,419.00	33,422.00
046 *Includes sales tax/Entry tax/VAT deposited under protest with Sales Tax Authorities	77,038,334.40	77,038,334.40

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BARH THERMAL POWER PROJECT

NOTE NO. 19 TO THE FS-CA-OTHER CURRENT ASSETS

( Amount in ₹ )

As at	31.03.2020	31.03.2019
047 *Includes deposited with courts	0.00	0.00
048 *Includes deposited with LIC for annuity payments	0.00	0.00
049 * Includes deposits with WRD / against BG in r/o finance lease	0.00	0.00
050 Other include amount recoverable from contractors and other parties towards hire charges, rent/electricity etc.	0.00	0.00
052 <b>Advances to related parties include:</b>	<b>0.00</b>	<b>0.00</b>
053 i)Key management personnel	0.00	0.00
054 ii)Subsidiary companies	0.00	0.00
055 iii)Joint Venture companies	0.00	0.00
056 Contractors	0.00	0.00
057 Others	0.00	0.00
058	0.00	0.00
059 Advances include amount due from the following Private Companies in which Directors of the Company are also Directors in such Companies	0.00	0.00
060	<b>0.00</b>	<b>0.00</b>
061	0.00	0.00
062 Related Party (Adv)- Employee	0.00	0.00
063 Related Party (Adv)- Subsidiaries	0.00	0.00
064 Related Party (Adv)- Joint Venture	0.00	0.00
065 Related Party (Adv)- Contractors	0.00	0.00
066 Related Party (Adv)- Others	920,214,306.43	1,335,603,729.15
067 <b>Total</b>	<b>920,214,306.43</b>	<b>1,335,603,729.15</b>
068	0.00	0.00



A Maharatna Company

**BARH THERMAL POWER PROJECT**

**NOTE NO. 20 TO THE FS--REGULATORY DEFERRAL ACCOUNT DEBIT BALANCES**

**( Amount in ₹ )**

As at	31.03.2020	31.03.2019
001 On account of Exchange Differences	-1,085,165,519.14	-1,184,530,854.60
002 On account of employee benefit exp	128,798,366.00	128,798,366.00
003 Regulatory deferred account - deferred	0.00	0.00
004 Deferred asset for ash transportation	0.00	0.00
005	0.00	0.00
006 <b>Total</b>	<b>-956,367,153.14</b>	<b>-1,055,732,488.60</b>



A Maharatna Company

**BARH THERMAL POWER PROJECT**

**NOTE NO. 21 TO THE FS-EQUITY-EQUITY SHARE CAPITAL**

( Amount in ₹ )

As at	31.03.2020	31.03.2019
001 <b>SHARE CAPITAL</b>	<b>0.00</b>	<b>0.00</b>
002 <b>Equity Share Capital</b>	<b>0.00</b>	<b>0.00</b>
003 <b>Authorised</b>	<b>0.00</b>	<b>0.00</b>
004 10,000,000,000 equity shares of Rs.10/- each (Previous year 10,000,000,000 eq shares of Rs.10/- each)	0.00	0.00
005 <b>Issued,Subscribed and fully Paid-up</b>	<b>0.00</b>	<b>0.00</b>
006 9,894,557,280 equity shares of Rs.10/- (Pv. Year 9,894,557,280 equity shares of Rs.10/- each)	0.00	0.00
007	<b>0.00</b>	<b>0.00</b>
008 <b>Total</b>	<b>0.00</b>	<b>0.00</b>
009 During FY 2018-19, the company has issued 1,649,092,880 equity shares of Rs.10/- each as fully paid bonus shares	0.00	0.00
010 The holders of the equity shares are entitled to receive dividends as declared from time to time, and are entitled to one vote per share at meetings of the company.	0.00	0.00
011 Details of shareholders holding more than 5% shares in the company	0.00	0.00
012 - President of India	0.00	0.00
013 No. of Shares	0.00	0.00
014 % of holding	0.00	0.00
015 - Life Insurance Corporation of India/ICICI Prudential Mutual Fund	0.00	0.00
016 No. of Shares	0.00	0.00
017 % of holding	0.00	0.00





A Maharatna Company

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 22 TO THE FS-EQUITY-OTHER EQUITY**

(Amount in ₹)

As at	31.03.2020	31.03.2019
001 RESERVE AND SURPLUS	0.00	0.00
002	<b>0.00</b>	<b>0.00</b>
003 <b>Capital Reserve</b>	<b>0.00</b>	<b>0.00</b>
004 As per last financial statements	0.00	0.00
006 Add : Grants received during the year	0.00	0.00
007 Add: Transfer from Surplus	0.00	0.00
008 Less: Write back during the year/period	0.00	0.00
009 Less: Adjustments during the year/period	0.00	0.00
010 <b>Sub-Total</b>	<b>0.00</b>	<b>0.00</b>
011 <b>Securities Premium Account</b>	<b>0.00</b>	<b>0.00</b>
012 As per last financial statements	0.00	0.00
013 Add: Additions during the year/period	0.00	0.00
014 Less: Adjustments during the year/period	0.00	0.00
015 <b>Sub-Total</b>	<b>0.00</b>	<b>0.00</b>
016 <b>Bonds Redemption Reserve</b>	<b>0.00</b>	<b>0.00</b>
017 As per last financial statements	0.00	0.00
018 Add: Transfer from Surplus	0.00	0.00
019 Less: Transfer to surplus on redemption	0.00	0.00
020 Less: Adjustments during the year/ period	0.00	0.00
021 <b>Sub-Total</b>	<b>0.00</b>	<b>0.00</b>
022 <b>Share Application money Allotment</b>	<b>0.00</b>	<b>0.00</b>
023 As per last financial statements	0.00	0.00
024 Add: Addition during the year	0.00	0.00
025 Less: Utilised for allotment during the year	0.00	0.00
026 Less: Adjustments during the year/ period	0.00	0.00
027 <b>Sub-Total</b>	<b>0.00</b>	<b>0.00</b>
028 <b>Fly-ash utilisation reserve Fund</b>	<b>0.00</b>	<b>0.00</b>
029 As per last financial statements	28,039,078.00	-2,215,995.75
030 Transferred to CC	0.00	14,147,122.68
031 Add:Transfer from revenue from operations	29,751,543.89	27,265,573.00
032 Add:Transfer from other income	0.00	0.00
033 Less: Utilised during the year	0.00	0.00
034 Tangible assets	0.00	0.00
035 Employee benefit expenses	0.00	0.00
036 Generation, admn. and other expenses	0.00	-11,157,621.93
037 Tax Expenses	0.00	0.00
038 <b>Sub-Total</b>	<b>57,790,621.89</b>	<b>28,039,078.00</b>
039 <b>Corporate social responsibility (CSR) reserve</b>	<b>0.00</b>	<b>0.00</b>
040 As per last financial statements	0.00	0.00
041 Add : Transfer from surplus	0.00	0.00
042 Less:-Write back during the year	0.00	0.00
043 <b>Sub-Total</b>	<b>0.00</b>	<b>0.00</b>
044 <b>General Reserve</b>	<b>0.00</b>	<b>0.00</b>
045 As per last financial statements	0.00	0.00
046 Add: Transfer from Surplus	0.00	0.00
047 Less: Transfer to Surplus	0.00	0.00



A Maharatna Company

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 22 TO THE FS-EQUITY-OTHER EQUITY**

(Amount in ₹)

As at	31.03.2020	31.03.2019
048 Less: Write back during the year /period	0.00	0.00
049 Less: Adjustments during the year /period	0.00	0.00
050 <b>Sub-Total</b>	<b>0.00</b>	<b>0.00</b>
051		
052 <b>Retained earnings</b>	<b>0.00</b>	<b>0.00</b>
053 As per last financial statements	9,700,134,275.15	5,255,219,763.53
054 Add(Less):-Changes in accounting policy / prior period errors	0.00	0.00
055 Add(Less):-Profit (Loss) after tax for the year from Statement of Profit & Loss	2,871,316,578.36	4,444,914,511.62
056	0.00	0.00
057 Add: Write back from Bond Redemption Reserve	0.00	0.00
058 Add: Write back from Capital Reserve	0.00	0.00
059 Add: Write back from Foreign Project Reserve	0.00	0.00
060 Add: Write back from CSR Reserve	0.00	0.00
061 Add: Write back from General Reserve	0.00	0.00
062 Less: Transfer to Bonds Redemption Reserve	0.00	0.00
063 Less: Transfer to Foreign Project Reserve	0.00	0.00
064 Less:Transfer to Capital Reserve	0.00	0.00
065 Less:Transfer to CSR Reserve	0.00	0.00
066 Less:Transfer to General Reserve	0.00	0.00
067 Less:Interim Dividend Paid	0.00	0.00
068 Less:Tax on Interim Dividend Paid	0.00	0.00
069 Less:Final Dividend Paid	0.00	0.00
070 Less:Tax on Final Dividend Paid	0.00	0.00
071 Less: Issue of bonus debenture	0.00	0.00
072 Less: Tax on issue of bonus debenture	0.00	0.00
073 <b>Sub-Total</b>	<b>12,571,450,853.51</b>	<b>9,700,134,275.15</b>
074	0.00	0.00
075 <b>Remeasurement of defined benefit plans</b>	<b>0.00</b>	<b>0.00</b>
076 As per last financial statements	-52,712,899.99	-53,978,454.96
077 Add/(Less):- Actuarial Gains/loss through OCI	-30,210,815.78	1,265,554.97
078 <b>Sub-Total</b>	<b>-82,923,715.77</b>	<b>-52,712,899.99</b>
080	0.00	0.00
081 <b>FVTOCI Reserve</b>	<b>0.00</b>	<b>0.00</b>
082 As per last financial statements	0.00	0.00
083 Add(Less):-Net gain/loss of equity instruments through OCI	0.00	0.00
084 <b>Sub-Total</b>	<b>0.00</b>	<b>0.00</b>
085	<b>0.00</b>	<b>0.00</b>
086 <b>Total Other equity</b>	<b>12,546,317,759.63</b>	<b>9,675,460,453.16</b>



A Maharatna Company

BARH THERMAL POWER PROJECT  
NOTE NO. 23 TO THE FS-NCL-BORROWINGS

As at	31.03.2020	31.03.2019
001 <b>LONG TERM BORROWINGS</b>		
002 <b>Bonds</b>	0.00	0.00
003 <b>Secured</b>	0.00	0.00
004 7.37 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2035 (Fifty Sixth Issue - Public Issue - Series 3A).	0.00	0.00
005 7.62 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2035 (Fifty Sixth Issue - Public Issue - Series 3 B).	0.00	0.00
006 8.61% Tax free secured non-cumulative non-convertible redeemable bonds of ₹ 10,00,000/- each redeemable at par in full on 4th March 2034 (Fifty First Issue C - Private Placement)	0.00	0.00
007 8.66% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2033 ( Fiftieth Issue - Public Issue - Series 3A)	0.00	0.00
008 8.91% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2033 ( Fiftieth Issue - Public Issue - Series 3B)	0.00	0.00
009 7.37% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 14th December 2031 (Sixty Sixth Issue - Private Placement)	0.00	0.00
010 7.49% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 7th November 2031 (Sixty Fourth Issue - Private Placement)	0.00	0.00
011 7.28 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2030 (Fifty Sixth Issue - Public Issue - Series	0.00	0.00

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A Maharatna Company

BARH THERMAL POWER PROJECT

NOTE NO. 23 TO THE FS-NCL-BORROWINGS

(Amount in ₹)

As at	31.03.2020	31.03.2019
2A)		
012 7.53 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2030 (Fifty Sixth Issue - Public Issue - Series 2 B).	0.00	0.00
013 7.93% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 03 May 2022 (68th Issue - Private Placement)	0.00	0.00
014 8.63% Tax free secured non-cumulative non-convertible redeemable bonds of ₹ 10,00,000/- each redeemable at par in full on 4th March 2029 (Fifty First Issue B - Private Placement)	0.00	0.00
015 8.30% Secured non-cumulative non-convertible redeemable taxable bonds of Rs 10,00,000/- each redeemable at par in full on 15 January 2029 (Sixty Seventh Issue - Private Placement)	0.00	0.00
016 8.48% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2028 ( Fiftieth Issue - Public Issue - Series 2A)	0.00	0.00
017 8.73% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2028 ( Fiftieth Issue - Public Issue - Series 2B)	0.00	0.00
018 7.47% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 16th September 2026 (Sixty Third Issue - Private Placement)	0.00	0.00
019 7.58% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 23rd August 2026 (Sixty Second Issue - Private Placement)	0.00	0.00

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A Maharatna Company

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 23 TO THE FS-NCL-BORROWINGS**

( Amount in ₹ )

As at	31.03.2020	31.03.2019
020 8.05% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 5th May 2026 (Sixtieth Issue - Private Placement)	0.00	0.00
021 8.19% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 15th December 2025 (Fifty Seventh Issue - Private Placement)	0.00	0.00
022 7.11 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2025 (Fifty Sixth Issue - Public Issue - Series 1A).	0.00	0.00
023 7.36 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2025 (Fifty Sixth Issue - Public Issue - Series 1 B).	0.00	0.00
024 7.15% Tax free secured non-cumulative non-convertible redeemable bonds - 2015 of Rs. 10,00,000/- each redeemable at par in full on 21st August 2025 (Fifty Fifth Issue - Private Placement)	0.00	0.00
025 9.17% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 22nd September 2024 (53rd Issue - private placement).	0.00	0.00
026 9.34% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each redeemable at par in full on 24th March 2024 (Fifty Second Issue - private placement)	0.00	0.00
027 8.19% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 10,00,000/- each redeemable at par in full on 4th March 2024 (Fifty First Issue A - Private Placement)	0.00	0.00



A Maharatna Company

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 23 TO THE FS-NCL-BORROWINGS**

( Amount in ₹ )

As at	31.03.2020	31.03.2019
028 8.41% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2023 ( Fiftieth Issue - Public Issue - Series 1A)	0.00	0.00
029 8.66% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2023 ( Fiftieth Issue - Public Issue - Series 1B)	0.00	0.00
030 9.25% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each with five equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 11th year and in annual installments thereafter upto the end of 15th year respectively commencing from 4th May 2023 and ending on 4th May 2027 (Forty fourth issue - private placement)VII	0.00	0.00
031 8.48% Secured non-cumulative non-nonvertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 1st May 2023 (Seventeenth issue - private placement)I	0.00	0.00
032 8.80% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each redeemable at par in full on 4th April 2023 (Forty ninth issue -private placement	0.00	0.00
033 8.49% Secured non-cumulative non-convertible redeemable taxable fully paid-up bonus debentures of Rs. 12.50 each redeemable at par in three annual installments of Rs. 2.50, Rs. 5.00 and Rs. 5.00 at the end of 8th year, 9th year and 10th year on 25th March 2023, 25th March 2024 and 25th March 2025 respectively (Fifty Fourth Issue -Bonus Debentures)X - (refer Note 5 d)	0.00	0.00
034 8.73% Secured non-cumulative non-convertible redeemable taxable bonds of	0.00	0.00

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 23 TO THE FS-NCL-BORROWINGS**

(Amount in ₹)

As at	31.03.2020	31.03.2019
₹ 10,00,000/- each redeemable at par in full on 07th March 2023 (Forty eighth issue - private placement)		
035 9.00% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each with five equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 11th year and in annual installments thereafter upto the end of 15th year respectively commencing from 25th January 2023 and ending on 25th January 2027 (Forty second issue- private placement)III	0.00	0.00
036 8.84% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each redeemable at par in full on 4th October 2022 (Forty seventh issue- private placement)VII	0.00	0.00
037 7.32% Secured non-cumulative non-convertible redeemable taxable bonds of Rs 10,00,000/- each redeemable at par in full on 17 July 2029 (Sixty Ninth Issue - Private Placement)	0.00	0.00
038 6.72% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 24th November 2021 (Sixty Fifth Issue - Private Placement)	0.00	0.00
039 8.10% Secured Non-Cumulative Non-Convertible Redeemable Taxable Bonds of Rs. 30,00,000/- each redeemable at par in three equal separately transferable redeemable principal parts (STRPP) at the end of 5th year, 10th year & 15th year on 27th May 2021, 27th May 2026 and 27th May 2031 respectively (Sixty First Issue- Private Placement)	0.00	0.00
040 8.33% Secured non-cumulative non-convertible redeemable taxable bonds of Rs.10,00,000/- each redeemable at par in full on 24th February 2021	0.00	0.00



A Maharatna Company

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 23 TO THE FS-NCL-BORROWINGS**

( Amount in ₹ )

As at		31.03.2020	31.03.2019
(Fifty Ninth Issue - Private Placement).			
042	8.93% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 19th January 2021 (Thirty seventh issue - private placement)III	0.00	0.00
043	8.18% Secured non-cumulative non-convertible redeemable taxable bonds of Rs.10,00,000/- each redeemable at par in full on 31st December 2020 (Fifty Eight Issue - Private Placement).	0.00	0.00
044	8.73 % Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 31st March 2020 (Thirty third issue- private placement)III	0.00	0.00
045	8.78 % Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 9th March 2020 (Thirty first issue- private placement)III	0.00	0.00
046	11.25% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in five equal annual installments commencing from 6th Nov 2019 and ending on 6th Nov 2023 (Twenty seventh issue - private placement)III	0.00	0.00
047	7.89% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 5th May 2019 (Thirtieth issue - private placement)III	0.00	0.00
048	8.65% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each redeemable at par in full on 4th February 2019 (Twenty ninth issue - private placement)III	0.00	0.00
049	7.50% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full	0.00	0.00

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A Maharatna Company

**BARH THERMAL POWER PROJECT  
NOTE NO. 23 TO THE FS-NCL-BORROWINGS**

(Amount in ₹)

As at	31.03.2020	31.03.2019
on 12th January 2019 (Nineteenth issue - private placement)II		
050 11% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 21st November 2018 (Twenty eighth issue - private placement)III	0.00	0.00
051 9.3473% Secured non-cumulative non-convertible redeemable taxable bonds of ₹15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 20th July 2018 and ending on 20th July 2032 (Forty sixth issue - private placement)VII	0.00	0.00
052 9.4376% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 16th May 2018 and ending on 16th May 2032 (Forty fifth issue - private placement)VII	0.00	0.00
053 8.00% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 10th April 2018 (Sixteenth issue -private placement)I	0.00	0.00
054 9.2573% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 2nd March 2018 and ending on 2nd March 2032 (Forty third issue - private placement)III	0.00	0.00
055 9.6713% Secured non-cumulative non-convertible redeemable taxable bonds	0.00	0.00

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**BARH THERMAL POWER PROJECT**  
**NOTE NO. 23 TO THE FS-NCL-BORROWINGS**

(Amount in ₹)

As at	31.03.2020	31.03.2019
of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 23rd December 2017 and ending on 23rd December 2031 (Forty first issue - private placement)III		
056 9.558% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 29th July 2017 and ending on 29th July 2031(Fourtieth issue-private placement)III	0.00	0.00
057 9.3896% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 9th June 2017 and ending on 9th June 2031(Thirty ninth issue-private placement)III	0.00	0.00
058 9.17% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 22nd March 2017 and ending on 22nd March 2031(Thirty eighth issue-private placement)III	0.00	0.00
059 8.8086% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th	0.00	0.00



A Maharatna Company

BARH THERMAL POWER PROJECT  
NOTE NO. 23 TO THE FS-NCL-BORROWINGS

(Amount in ₹)

As at	31.03.2020	31.03.2019
year and in annual installments thereafter upto the end of 20th year respectively commencing from 15th December 2016 and ending on 15th December 2030 (Thirty sixth issue - private placement)III		
060 8.785% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 15th September 2016 and ending on 15th September 2030 (Thirty fifth issue - private placement)III	0.00	0.00
061 8.71% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 10th June 2016 and ending on 10th June 2030 (Thirty fourth issue - private placement)III	0.00	0.00
062 8.8493% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 25th March 2016 and ending on 25th March 2030 (Thirty second issue - private placement)III	0.00	0.00
063 9.37% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 70,00,000/- each with fourteen separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 4th June 2012 and ending on 4th December 2018 (Twenty fifth issue -	0.00	0.00



A Maharatna Company

**BARH THERMAL POWER PROJECT  
NOTE NO. 23 TO THE FS-NCL-BORROWINGS****( Amount in ₹ )**

As at	31.03.2020	31.03.2019
private placement)III		
065 9.06% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 70,00,000/- each with fourteen separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 4th June 2012 and ending on 4th December 2018 (Twenty sixth issue - private placement)III	0.00	0.00
066 8.6077% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 9th September 2011 and ending on 9th March 2021 (Twenty fourth issue - private placement)IV	0.00	0.00
067 8.3796% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 5th August 2011 and ending on 5th February 2021 (Twenty third issue - private placement)IV	0.00	0.00
068 8.1771% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 2nd July 2011 and ending on 2nd January 2021 (Twenty second issue - private placement)IV	0.00	0.00
069 7.7125% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 2nd August 2010 and ending on 2nd February 2020 (Twenty first issue - private placement)V	0.00	0.00
070 7.552% Secured non-cumulative non-convertible redeemable taxable bonds	0.00	0.00

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**BARH THERMAL POWER PROJECT  
NOTE NO. 23 TO THE FS-NCL-BORROWINGS****( Amount in ₹ )**

As at	31.03.2020	31.03.2019
of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 23rd September 2009 and ending on 23rd March 2019 (Twentieth issue - private placement)VI		
071 9.55% Secured non-cumulative non-convertible taxable redeemable bonds of ₹ 10,00,000/- each with ten equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of the 6th year and in annual installments thereafter upto the end of 15th year respectively from 30th April 2002 (Thirteenth issue - Part B - private placement)VIII	0.00	0.00
072 9.55% Secured non-cumulative non-convertible taxable redeemable bonds of ₹ 10,00,000/- each redeemable at par in ten equal annual installments commencing from the end of 6th year and upto the end of 15th year respectively from 18th April 2002 (Thirteenth issue -Part A - private placement)VIII	0.00	0.00
074	0.00	0.00
075	0.00	0.00
081	0.00	0.00
082 <b>Sub Total</b>	<b>0.00</b>	<b>0.00</b>
083 <b>Foreign Currency Notes-Unsecured</b>	<b>0.00</b>	<b>0.00</b>
084 4.50% Fixed Rate Notes Due for repayment on 19th March 2028	0.00	0.00
085 2.75% Fixed rate notes due for repayment on 1st February 2027	0.00	0.00
086 4.25 % Fixed rate notes due for repayment on 26th February 2026	0.00	0.00
087 4.375% Fixed Rate Note due for repayment on 26th November 2024	0.00	0.00
088 4.75 % Fixed Rate Notes due for repayment on 3rd Oct 2022	0.00	0.00
089 7.25 % Fixed green global INR denominated bonds due on 3 May 2022	0.00	0.00
090 7.375 % Fixed green global INR denominated bonds due on 10 August 2021	0.00	0.00
091 5.625% Fixed Rate Notes due for repayment on 14th July 2021	0.00	0.00

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**BARH THERMAL POWER PROJECT**  
**NOTE NO. 23 TO THE FS-NCL-BORROWINGS**

As at		31.03.2020	31.03.2019
		( Amount in ₹ )	
092	3.75 % Fixed rate notes due for repayment on 03 April 2024	0.00	0.00
093			
094	<b>Sub Total</b>	<b>0.00</b>	<b>0.00</b>
095	Long term maturities of Finance Lease Obligations (Secured) IX	0.00	0.00
100	Long term maturities of Finance Lease Obligations (Unsecured) X	0.00	0.00
101	<b>Term Loans</b>	<b>0.00</b>	<b>0.00</b>
102	<b>From Banks</b>	<b>0.00</b>	<b>0.00</b>
103	<b>Secured</b>	<b>0.00</b>	<b>0.00</b>
104	Rupee Loans	0.00	0.00
105	<b>Unsecured</b>	<b>0.00</b>	<b>0.00</b>
106	Foreign Currency Loans	0.00	0.00
107	Rupee Loans	0.00	0.00
108	<b>From Others</b>	<b>0.00</b>	<b>0.00</b>
109	<b>Secured</b>	<b>0.00</b>	<b>0.00</b>
110	Rupee Loans	0.00	0.00
111	Foreign Currency loans (guaranteed by GOI)	0.00	0.00
112	<b>Unsecured</b>	<b>0.00</b>	<b>0.00</b>
113	Foreign Currency loans (guaranteed by GOI)	0.00	0.00
114	Other Foreign currency loans	0.00	0.00
115	Rupee Loans	0.00	0.00
116	<b>Deposits</b>	<b>0.00</b>	<b>0.00</b>
117	<b>Unsecured</b>	<b>0.00</b>	<b>0.00</b>
118	Fixed Deposits	0.00	0.00
119	<b>Others</b>	<b>0.00</b>	<b>0.00</b>
120	<b>Unsecured</b>	<b>0.00</b>	<b>0.00</b>
121	Bonds Application Money Pending Allotment	0.00	0.00
122	<b>Sub-total</b>	<b>0.00</b>	<b>0.00</b>
123	Less:- Interst accrued but not due on borrowings	0.00	0.00
124	Less:- Current maturities of long term borrowings	0.00	0.00
125	Bonds-Secured	0.00	0.00
126	5.875% Fixed Rate Notes	0.00	0.00
127	Foreign currency loans from Banks- unsecured	0.00	0.00
128	Rupee loans from banks- Secured	0.00	0.00
129	Rupee loans from banks- unsecured	0.00	0.00
130	Rupee Term loan from Others - Secured	0.00	0.00
131	Foreign currency loans from others- unsecured (Guaranteed by GOI)	0.00	0.00
132	Other foreign currency loans from others- unsecured	0.00	0.00
133	Rupee loans from others- unsecured	0.00	0.00
134	Finance Lease obligations - secured	0.00	0.00
135	Finance Lease obligations - unsecured	0.00	0.00
136		0.00	0.00
137		0.00	0.00

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**BARH THERMAL POWER PROJECT  
NOTE NO. 23 TO THE FS-NCL-BORROWINGS**

		( Amount in ₹ )	
As at		31.03.2020	31.03.2019
200	<b>Total</b>	<b>0.00</b>	<b>0.00</b>

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A Maharatna Company

BARH THERMAL POWER PROJECT  
NOTE NO. 24 TO THE FS-NCL-TRADE PAYABLES

As at		( Amount in ₹ )	
	31.03.2020		31.03.2019
001	<b>TRADE PAYABLES(NON CURRENT)</b>	<b>0.00</b>	<b>0.00</b>
002	<b>For Goods and Services</b>	<b>0.00</b>	<b>0.00</b>
003	- Micro & Small Enterprises	0.00	0.00
004	- Others	0.00	0.00
005		0.00	0.00
006	<b>Total</b>	<b>0.00</b>	<b>0.00</b>

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**BARH THERMAL POWER PROJECT**

**NOTE NO. 25 TO THE FS-NCL-OTHER FINANCIAL LIABILITIES**

( Amount in ₹ )

As at	31.03.2020	31.03.2019
001 <b>OTHER FINANCIAL LIABILITIES (NON-CURRENT)</b>	<b>0.00</b>	<b>0.00</b>
002 Payable for Capital Expenditure	0.00	0.00
003 - Micro & Small Enterprises	88,382,028.26	81,086,164.87
004 - Others	3,959,057,851.97	6,261,494,385.92
005 Others	0.00	0.00
006 Deposits from contractors and others	0.00	0.00
007	0.00	0.00
008	0.00	0.00
009 <b>Total</b>	<b>4,047,439,880.23</b>	<b>6,342,580,550.79</b>



A Maharatna Company

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 26 TO THE FS-NCL-PROVISIONS**

	( Amount in ₹ )	
As at	31.03.2020	31.03.2019
001 <b>LONG TERM PROVISIONS</b>	<b>0.00</b>	<b>0.00</b>
002 <b>Provision for Employee Benefits</b>	<b>0.00</b>	<b>0.00</b>
003 Opening Balance	0.00	0.00
004 Additions/ (adjustments) during the year	0.00	0.00
005 <b>Closing Balance</b>	<b>0.00</b>	<b>0.00</b>
013	<b>0.00</b>	<b>0.00</b>
014 <b>TOTAL</b>	<b>0.00</b>	<b>0.00</b>

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A Maharatna Company  
( Amount in ₹ )

**NOTE NO. 27 TO THE FS-NCL-DEFERRED TAX LIABILITIES (NET)**

As at	Open Balance on 01.04.2019	Addition	Closing Balance on 31.03.2020
001 <b>DEFERRED TAX LIABILITIES (NET)</b>			
002 Difference of book depreciation and tax depreciation	0.00	0.00	0.00
003 Less: Deferred tax assets			
004 Provisions & Other disallowances for tax purposes	0.00	0.00	0.00
005 Unabsorbed Depreciation	0.00	0.00	0.00
006 Disallowances u/s 43B of the Income Tax Act, 1961	0.00	0.00	0.00
007 MAT credit entitlement	0.00	0.00	0.00
008	0.00	0.00	0.00
009 <b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
010	0.00	0.00	0.00
011 <b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
012 Breakup of deferred tax assets	0.00	0.00	0.00
013 Provision	0.00	0.00	0.00
014 Statutory dues	0.00	0.00	0.00
015 Leave encashment	0.00	0.00	0.00
016 Others	0.00	0.00	0.00
017	0.00	0.00	0.00
018	0.00	0.00	0.00

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A Maharatna Company

**BARH THERMAL POWER PROJECT**

**NOTE NO. 28 TO THE FS-NCL-OTHER NON-CURRENT LIABILITIES**

**( Amount in ₹ )**

As at	31.03.2020	31.03.2019
001 Other Non current Liabilities	0.00	0.00
002 Advances from customers and others	0.00	0.00
003 Deposits from contractors and others	0.00	0.00
004	0.00	0.00
005 <b>TOTAL</b>	<b>0.00</b>	<b>0.00</b>

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A Maharatna Company

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 29 TO THE FS-CL-BORROWINGS**

( Amount in ₹ )

As at	31.03.2020	31.03.2019
001 <b>Short Term Borrowings</b>	<b>0.00</b>	<b>0.00</b>
002 <b>Loans repayable on demand</b>	<b>0.00</b>	<b>0.00</b>
003 <b>From Banks</b>	<b>0.00</b>	<b>0.00</b>
004 <b>Secured</b>	<b>0.00</b>	<b>0.00</b>
005 Cash Credit	0.00	0.00
006 <b>Unsecured</b>	<b>0.00</b>	<b>0.00</b>
007 Cash Credit	0.00	0.00
008 <b>Other loans-unsecured</b>	<b>0.00</b>	<b>0.00</b>
009 Commercial Papers	0.00	0.00
010 Less: Unamortised discount on Commercial Papers	0.00	0.00
011 <b>Total</b>	<b>0.00</b>	<b>0.00</b>
012	0.00	0.00

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A Maharatna Company

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 30 TO THE FS-CL-TRADE PAYABLES**

As at		( Amount in ₹ )	
	31.03.2020		31.03.2019
001	<b>TRADE PAYABLES</b>	<b>0.00</b>	<b>0.00</b>
002	For Goods and Services	0.00	0.00
003	- Micro & Small Enterprises	208,009,502.56	156,853,581.80
004	- Others	3,680,121,636.99	1,579,329,331.12
005		0.00	0.00
006	<b>Total</b>	<b>3,888,131,139.55</b>	<b>1,736,182,912.92</b>
007		0.00	0.00

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A Maharatna Company

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 31 TO THE FS-CL-OTHER FINANCIAL LIABILITIES**

( Amount in ₹ )

As at	31.03.2020	31.03.2019
001 <b>OTHER FINANCIAL LIABILITIES (CURRENT)</b>	<b>0.00</b>	<b>0.00</b>
002 <b>Current maturity of long term borrowings</b>	<b>0.00</b>	<b>0.00</b>
003 Bonds-Secured	0.00	0.00
004 Foreign Currency Fixed Rate Notes	0.00	0.00
005 <b>From Banks</b>	<b>0.00</b>	<b>0.00</b>
006 <b>Secured</b>	<b>0.00</b>	<b>0.00</b>
007 Rupee Term Loan	0.00	0.00
008 <b>Unsecured</b>	<b>0.00</b>	<b>0.00</b>
009 Foreign currency loans	0.00	0.00
010 Rupee term loans	0.00	0.00
011 <b>From Others</b>	<b>0.00</b>	<b>0.00</b>
012 <b>Secured</b>	<b>0.00</b>	<b>0.00</b>
013 Rupee Term Loan	0.00	0.00
014 <b>Unsecured</b>	<b>0.00</b>	<b>0.00</b>
015 Foreign currency loans (Guaranteed by Government of India)	0.00	0.00
016 Other foreign currency loans	0.00	0.00
017 Rupee term loans	0.00	0.00
018 Fixed deposits	0.00	0.00
019 Sub Total	0.00	0.00
020 Current maturity of finance lease obligations (secured)	0.00	0.00
021 Current maturity of finance lease obligations (unsecured)	0.00	0.00
022 Interest accrued but not due on borrowings	0.00	0.00
023 Unpaid Dividends*	0.00	0.00
024 Unpaid matured deposits and interest accrued thereon*	0.00	0.00
025 Unpaid matured bonds and interest accrued thereon*	0.00	0.00
026 Unpaid bond refund money-Tax free bonds *	0.00	0.00
027 Book Overdraft	0.00	0.00
028 Payable to Customers	0.00	0.00
029 Liability under forward exchange contract	0.00	0.00
030 Hedging cost payable to beneficiaries	0.00	0.00
031 Derivative MTM Liability	0.00	0.00
032 <b>Payable for Capital Expenditure</b>	<b>0.00</b>	<b>0.00</b>
033 - Micro & Small Enterprises	119,631,580.11	89,942,728.42
034 - Others	17,165,126,486.03	15,671,780,976.01
035 <b>Others Payables</b>	<b>0.00</b>	<b>0.00</b>
036 Deposits from contractors and others	39,624,236.88	25,221,176.77
037 Gratuity Obligations	0.00	0.00
038 Payable to employees	9,454,720.46	12,930,635.32
039 Payable to holding company	0.00	0.00
040 Retention on A/c BG encashment (Solar)	0.00	0.00
041 Payable to Solar Payment Security Account	0.00	0.00
042 Others **	29,253,647.00	55,970,764.00

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A Maharatna Company

**BARH THERMAL POWER PROJECT**

**NOTE NO. 31 TO THE FS-CL-OTHER FINANCIAL LIABILITIES**

( Amount in ₹ )

	As at	31.03.2020	31.03.2019
043		0.00	0.00
044	<b>Total</b>	<b>17,363,090,670.48</b>	<b>15,855,846,280.52</b>
045	* Represents the amounts which have not been claimed by the investor/holders of the bonds/fixed deposits. Out of the above, no amount is due for payment to Investor Education and Protection Fund.	0.00	0.00
046	** Include Payable to Hospital, parties for stale cheques and other payable.	0.00	0.00





A Maharatna Company

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 32 TO THE FS-CL-OTHER CURRENT LIABILITIES**

As at	31.03.2020	31.03.2019
001 <b>OTHER CURRENT LIABILITIES</b>	<b>0.00</b>	<b>0.00</b>
002 Advances from customers and others	15,439,723.62	24,207,825.89
003 Deferred discount on forward exchange contract	0.00	0.00
004 Tax deducted at source and other statutory dues	109,189,362.37	63,092,835.49
005 Others	0.00	0.00
006 <b>Total</b>	<b>124,629,085.99</b>	<b>87,300,661.38</b>

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A Maharatna Company

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 33 TO THE FS-CL-PROVISIONS**

As at	31.03.2020	31.03.2019
<b>001 SHORT TERM PROVISIONS</b>	<b>0.00</b>	<b>0.00</b>
002 <b>Provision for Employee Benefits</b>	<b>0.00</b>	<b>0.00</b>
003 Opening balance	0.00	0.00
004 Additions/ (adjustments) during the year	0.00	0.00
005 <b>Closing Balance</b>	<b>0.00</b>	<b>0.00</b>
<b>028 Provisions for Obligations Incidental to Land Acquisition</b>	<b>0.00</b>	<b>0.00</b>
029 Opening balance	785,538,239.84	802,304,048.69
030 Additions during the year	0.00	0.00
031 Amounts paid during the year	9,150,818.05	16,765,808.85
032 Amounts reversed during the year	0.00	0.00
033 <b>Closing Balance</b>	<b>776,387,421.79</b>	<b>785,538,239.84</b>
<b>035 Provision for Tariff Adjustment</b>	<b>0.00</b>	<b>0.00</b>
036 Opening balance	0.00	0.00
037 Additions during the year	0.00	0.00
038 Amounts adjusted during the year	0.00	0.00
039 Amounts reversed during the year	0.00	0.00
040 <b>Closing Balance</b>	<b>0.00</b>	<b>0.00</b>
<b>042 Provision for shortage in Fixed Assets Pending Investigation &amp; Others</b>	<b>0.00</b>	<b>0.00</b>
043 Opening balance	0.00	0.00
044 Additions during the year	0.00	0.00
045 Amounts adjusted during the year	0.00	0.00
046 Amounts reversed during the year	0.00	0.00
047 <b>Closing Balance</b>	<b>0.00</b>	<b>0.00</b>
<b>048 Provision for Arbitration</b>	<b>0.00</b>	<b>0.00</b>
049 Opening balance	461,094,823.00	461,094,823.00
050 Additions during the year	0.00	0.00
051 Amounts used during the year	0.00	0.00
052 Amounts reversed during the year	0.00	0.00
053 <b>Closing Balance</b>	<b>461,094,823.00</b>	<b>461,094,823.00</b>
<b>054 Others</b>	<b>0.00</b>	<b>0.00</b>
055 Opening balance	0.00	0.00
056 Additions during the year	0.00	0.00
057 Amounts used during the year	0.00	0.00
058 Amounts reversed during the year	0.00	0.00
059 <b>Closing Balance</b>	<b>0.00</b>	<b>0.00</b>
102	0.00	0.00
103 <b>Total</b>	<b>1,237,482,244.79</b>	<b>1,246,633,062.84</b>



A Maharatna Company

BARH THERMAL POWER PROJECT

NOTE NO. 34 TO THE FS-CL-CURRENT TAX LIABILITIES (NET)

( Amount in ₹ )

As at	31.03.2020	31.03.2019
001 <b>Current liabilities - current tax liabilities (net)</b>	<b>0.00</b>	<b>0.00</b>
002 Opening balance	0.00	0.00
003 Additions during the year	0.00	0.00
004 Amounts adjusted during the year	0.00	0.00
005 Less: Set off against taxes paid	0.00	0.00
006 <b>Closing Balance</b>	<b>0.00</b>	<b>0.00</b>

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A Maharatna Company

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 35 TO THE FS--DEFERRED REVENUE**

As at		31.03.2020	31.03.2019
001	<b>Deferred Revenue</b>	<b>0.00</b>	<b>0.00</b>
002	On account of advance against depreciation	0.00	0.00
003	On account of income from foreign currency fluctuation	1,336,867,000.00	-95,632,000.00
004	Government grants	0.00	0.00
005		0.00	0.00
006	<b>TOTAL</b>	<b>1,336,867,000.00</b>	<b>-95,632,000.00</b>

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A Maharatna Company

**BARH THERMAL POWER PROJECT**

**NOTE NO. 36 TO THE FS--REGULATORY DEFERRAL ACCOUNT CREDIT BALANCES**

( Amount in ₹ )

As at	31.03.2020	31.03.2019
001 Regulatory deferral account credit balances	0.00	0.00
002 Exchange Differences	0.00	0.00
003	0.00	0.00
004 <b>Total</b>	<b>0.00</b>	<b>0.00</b>

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**BARH THERMAL POWER PROJECT**  
**NOTE NO. 37 TO THE FS--REVENUE FROM OPERATIONS**

( Amount in ₹ )

	For the Year ended	31.03.2020	31.03.2019
001	<b>REVENUE FROM OPERATIONS</b>	<b>0.00</b>	<b>0.00</b>
002	<b>Sales</b>	<b>0.00</b>	<b>0.00</b>
003	Energy Sales (Including Electricity Duty)	35,713,538,092.00	8,596,211,494.00
004	Less : Advance against depreciation deferred (net)	0.00	0.00
005	Add: Revenue recognized out of advance against depreciation	0.00	0.00
006	Add : Exchange fluctuation receivable from customers	-240,986,000.00	-44,154,000.00
007	Sale of energy through trading	0.00	0.00
008	Commission (NVVN)	0.00	0.00
009	<b>Sub total</b>	<b>35,472,552,092.00</b>	<b>8,552,057,494.00</b>
010	Less: Rebate to customers	334,077,877.00	662,562,319.00
011	<b>Energy Sales (Total)</b>	<b>35,138,474,215.00</b>	<b>7,889,495,175.00</b>
012	Consultancy, project management and supervision fees	0.00	0.00
013	Lease rentals on assets on Operating lease	0.00	0.00
014	Sale of Captive Coal	0.00	0.00
015	Intra Company Elimination	0.00	0.00
017	<b>Sub-total</b>	<b>0.00</b>	<b>0.00</b>
018	<b>Total - Sales</b>	<b>35,138,474,215.00</b>	<b>7,889,495,175.00</b>
019	Sale of fly ash/ash products	29,751,543.89	27,265,573.00
020	Less: Transferred to fly ash utilisation reserve fund	-29,751,543.89	-27,265,573.00
021	<b>Sub-total</b>	<b>0.00</b>	<b>0.00</b>
022	<b>Other Operating Income</b>	<b>0.00</b>	<b>0.00</b>
023	Interest from customers	0.00	0.00
024	Energy Internally Consumed *	106,365,289.98	52,572,506.36
025	Interest income on Assets under finance lease	0.00	0.00
026	Recognized from deferred revenue - government grant	0.00	0.00
027	Provision written back- Tariff Adjustment	0.00	2,766,900,000.00
028	Income form Trading of ESCerts	0.00	0.00
029	Income from E-Mobility Business	0.00	0.00
030		0.00	0.00
031	<b>Total</b>	<b>35,244,839,504.98</b>	<b>10,708,967,681.36</b>
040	* Valued at variable cost of generation and corresponding amount included in power charges ( Note No. 42)	0.00	0.00
041	Excise duty on sale of flyash, cenosphere & ash products	0.00	0.00
042	Energy sales of principal nature (NVVN)	0.00	0.00
043	Energy sales of agency nature (NVVN)	0.00	0.00

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A Maharatna Company

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 38 TO THE FS--OTHER INCOME**

	For the Year ended		( Amount in ₹ )
	31.03.2020	31.03.2019	
001 <b>OTHER INCOME</b>			
002 <b>Interest from</b>	0.00	0.00	
004 <b>Financial assets at amortised cost</b>	0.00	0.00	
005 Government Securities (8.5% Tax Free Bonds issued by the State Governments)	0.00	0.00	
006 Other Bonds	0.00	0.00	
007	0.00	0.00	
008 Interest from Government of India Securities-Non-Trade	0.00	0.00	
009 Less: Amortiation of premium	0.00	0.00	
010 <b>Sub Total</b>	0.00	0.00	
011 Interest from others	0.00	0.00	
012 Loan to State Government in settlement of dues from customers	0.00	0.00	
013 Loan to Subsidiary Companies	0.00	0.00	
014 Loan to Employees	16,359,997.84	10,217,221.32	
015 Deposit with banks	0.00	0.00	
016 Foreign Banks	0.00	0.00	
017 Interest from Contractors	3,345,634.00	8,126,417.00	
018 Interest from Income Tax Refunds	0.00	0.00	
019 Less : Refundable to Customers	0.00	0.00	
020 <b>Sub Total</b>	0.00	0.00	
021 Deposits with banks-flyash utilisation reserve fund	0.00	0.00	
022 Less: transferred to flyash utilisation reserve fund	0.00	0.00	
023 <b>Sub Total</b>	0.00	0.00	
024 Deposits with banks- DDUGJY funds	0.00	0.00	
025 Interest from Contractors- DDUGJY funds	0.00	0.00	
026 Transfer to DDUGJY-Advance from customers	0.00	0.00	
027 Sub-total	0.00	0.00	
030 Others	0.00	0.00	
031	572.00	130.00	
032 <b>Dividend from</b>	0.00	0.00	
033 <b>Longterm investments in</b>	0.00	0.00	
034 Subsidiaries	0.00	0.00	
035 Joint Ventures	0.00	0.00	
036 Equity Instruments	0.00	0.00	
037 <b>Current Investments in</b>	0.00	0.00	
038 Mutual Funds measured at fairvalue through profit or loss	0.00	0.00	
039 Current investments in mutual funds-flyash utilisation reserve fund	0.00	0.00	
040 Less: transferred to flyash utilisation reserve fund	0.00	0.00	
041 Lease Rent # Ash Brick Plant	0.00	0.00	
042 Less: transferred to flyash utilisation reserve fund	0.00	0.00	
043 Other non-operating income	90.00	0.00	
044 Profit on disposal of PPE	1,472,548.40	499,339.01	
045 Profit on redemption of GOI securities	0.00	0.00	

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A Maharatna Company

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 38 TO THE FS--OTHER INCOME**

	For the Year ended	31.03.2020	31.03.2019
			( Amount in ₹ )
046	Net gain on sale of investments	0.00	0.00
047	Surcharge received from customers	83,581,986.00	11,861,469.00
048	Hire charges for equipment	4,032,398.50	2,303,639.00
049	Gain on option contract / Discount on F.ExchContract	0.00	0.00
050	Provision written back-others	0.00	7,047,502.00
051	Fair value gains/(losses) on investments in mutual funds at fair value through profit or loss	0.00	0.00
052	Interest from Solar payment security account	0.00	0.00
053	Less : Transferred to SPSA fund	0.00	0.00
054	Interest on "Retention on A/c BG encashment (Solar)"	0.00	0.00
055	Less : Transferred to "Retention on A/c BG encashment (Solar)"	0.00	0.00
056	Miscellaneous Income	23,948,715.92	29,239,945.20
057	<b>Total</b>	<b>132,741,942.66</b>	<b>69,295,662.53</b>
058	Less:Transferred to Development of Coal Mines- Note 43A	0.00	0.00
059	Less:Transferred to Expenditure during Construction period (net)- Note 43	738,428.85	914,404.74
061		0.00	0.00
062	<b>Total</b>	<b>132,003,513.81</b>	<b>68,381,257.79</b>
063		0.00	0.00
064	<b>Details of Miscellaneous Income</b>	<b>0.00</b>	<b>0.00</b>
065	Vehicle Hire Charges.	138,000.00	306,000.00
066	Sale of by products & residuals	0.00	0.00
067	Township recoveries(exl. Hospital Recoveries).	10,651,112.30	5,555,222.73
068	Depreciation written back	0.00	0.00
069	Sale of Scrap.	5,621,666.02	15,374,448.77
070	Receipt under loss of profit policy.	0.00	0.00
071	Receipts under MBD/Fire Policy.	0.00	0.00
072	Management development programme.	0.00	0.00
073	Management Fee - Misc (NVVN)	0.00	0.00
074	Others	7,537,937.60	8,004,273.70
075		0.00	0.00
076	<b>Total (Miscellaneous Income)</b>	<b>23,948,715.92</b>	<b>29,239,945.20</b>
077		0.00	0.00
078	<b>Details of Provision written back others</b>	<b>0.00</b>	<b>0.00</b>
079	Doubtful debts	0.00	0.00
080	Doubtful Loans, Advances and Claims	0.00	0.00
081	Doubtful Construction Advances	0.00	0.00
082	Shortage in Construction Stores	0.00	0.00
083	Shortage in Stores	0.00	7,047,502.00
084	Obsolescence in Stores	0.00	0.00
085	Unserviceable capital works	0.00	0.00
086	Other Obligation	0.00	0.00
087	Shortage in Fixed Assets	0.00	0.00

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A Maharatna Company

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 38 TO THE FS--OTHER INCOME**

	( Amount in ₹ )	
For the Year ended	31.03.2020	31.03.2019
088 Diminution in value of Investment	0.00	0.00

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A Maharatna Company

BARH THERMAL POWER PROJECT  
NOTE NO. 38A TO THE FS--FUEL COST

For the Year ended		( Amount in ₹ )	
	31.03.2020	31.03.2019	
001	<b>FUEL COST</b>		
002	Coal	0.00	0.00
003	Captive	0.00	0.00
004	Other than captive	0.00	0.00
005	Gas	19,894,225,481.01	3,485,968,477.46
006	Naptha	0.00	0.00
007	Oil	0.00	0.00
008	<b>Total</b>	115,761,836.98	162,469,569.23
009		<b>20,009,987,317.99</b>	<b>3,648,438,046.69</b>
010		0.00	0.00
		0.00	0.00



A Maharatna Company

BARH THERMAL POWER PROJECT

NOTE NO. 39 TO THE FS--EMPLOYEE BENEFITS EXPENSE

For the Year ended		31.03.2020	31.03.2019
		( Amount in ₹ )	
001	<b>EMPLOYEE BENEFITS EXPENSE</b>	<b>0.00</b>	<b>0.00</b>
002	Salaries and wages	1,367,836,559.98	1,009,862,129.90
003	Contribution to provident and other funds	131,593,197.41	131,852,945.58
004	Unwinding of deferred payroll expense	11,202,688.13	6,536,654.28
005	Staff welfare expenses	161,198,175.94	142,709,542.19
006	Less : Expenses transferred to Consultancy group	0.00	0.00
007		0.00	0.00
008	<b>Sub Total</b>	<b>1,671,830,621.46</b>	<b>1,290,961,271.95</b>
009	Less: Employee benefits expense inventorised	69,136,225.68	62,509,880.50
010	Less: Transferred/Allocated to development of coal mines	0.00	0.00
011		0.00	0.00
012	Less: Transferred to fly ash utilisation reserve fund	0.00	0.00
013	Less: Transferred to CSR Expenses	0.00	0.00
014	Reimbursements for employees on secondment	355,247.00	787,963.89
015	Less: Transferred to expenditure during construction period (net)- Note 43	180,871,873.05	832,543,749.64
016	<b>TOTAL</b>	<b>1,421,467,275.73</b>	<b>395,119,677.92</b>
017	<b>Managerial Remuneration paid/ payable to Directors included above (except for Directors fee which is included in Note 42)</b>	<b>0.00</b>	<b>0.00</b>
018	Salaries and wages	0.00	0.00
019	Contribution to provident and other funds	0.00	0.00
020	Staff welfare expenses	0.00	0.00
021	Directors fee	0.00	0.00
022		0.00	0.00
023		0.00	0.00



A Maharatna Company

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 40 TO THE FS--FINANCE COSTS**

	For the Year ended		( Amount in ₹ )
	31.03.2020		31.03.2019
001	<b>FINANCE COSTS</b>		
002	Finance charges on financial liabilities measured at amortised cost	0.00	0.00
003	Bonds		0.00
004	Government of India Loans	4,402,424,384.70	4,059,974,529.36
005	Foreign currency term loans	0.00	0.00
006	Rupee term loans	565,417,966.68	697,061,241.34
007	Public deposits	6,079,435,560.00	6,072,048,177.30
008	Foreign currency bonds/notes	0.00	0.00
009	Cash Credit	883,692,949.50	868,093,934.02
010	Unwinding of discount on account of vendor liabilities	0.00	0.00
		13,273,738.65	195,754,278.58
011	Commercial Papers		
012	Others	0.00	0.00
013	<b>Sub Total</b>	0.00	250.00
014	<b>Other Borrowing Costs</b>	<b>11,944,244,599.53</b>	<b>11,892,932,410.60</b>
015	Bonds servicing & public deposit exp.	0.00	0.00
016	Guarantee fee	5,146,109.94	6,051,839.71
017	Management fee	0.00	0.00
018	Committ charges/exposure premium	0.00	0.00
019	Bond issue expenses	0.00	0.00
020	Legal exp on foreign currency loans	0.00	0.00
021	Foreign currency bonds/notes exp.	0.00	0.00
022	Up-front fee	0.00	0.00
023	Insurance premium on foreign currency loans	0.00	0.00
024		0.00	0.00
025	Others	0.00	0.00
026	<b>Sub Total (Other Borrowing cost)</b>	0.00	0.00
027		<b>5,146,109.94</b>	<b>6,051,839.71</b>
028	<b>Exchange differences regarded as an adjustment to interest costs</b>	0.00	0.00
029	<b>Sub Total</b>	0.00	0.00
030	Less: Transferred to Expenditure during construction period (net) - Note 43	<b>11,949,390,709.47</b>	<b>11,898,984,250.31</b>
		7,797,534,905.17	11,788,595,852.93
031	Less: Transferred to development of coal mines- Note 43A	0.00	0.00
032			
033	<b>Total</b>	0.00	0.00
		<b>4,151,855,804.30</b>	<b>110,388,397.38</b>

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A Maharatna Company

**BARH THERMAL POWER PROJECT**

**NOTE NO. 41 TO THE FS--DEPRECIATION, AMORTIZATION AND IMPAIRMENT EXPENSE**

( Amount in ₹ )

	For the Year ended	31.03.2020	31.03.2019
001	<b>Depreciation, amortization and impairment expense</b>	<b>0.00</b>	<b>0.00</b>
002	On property, plant and equipment- Note 2	5,475,234,249.06	921,136,105.31
003	On intangible assets- Note 4	0.00	148,560.55
004	Sub-total	5,475,234,249.06	921,284,665.86
005	Less:	0.00	0.00
006	Inventorised	414,402,699.77	401,389,867.51
007	Transferred to Expenditure during Construction Period (net)- Note 43	0.00	0.00
008	Transferred/Allocated to development of coal mines	0.00	0.00
009	Adjustment with deferred revenue from deferred foreign currency fluctuation	44,949,000.00	10,445,000.00
010	<b>Total</b>	<b>5,015,882,549.29</b>	<b>509,449,798.35</b>

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A Maharatna Company

BARH THERMAL POWER PROJECT  
NOTE NO. 42 TO THE FS--OTHER EXPENSE

For the Year ended		( Amount in ₹ )	
	31.03.2020		31.03.2019
001	<b>OTHER EXPENSES</b>		
002	Power charges	0.00	0.00
003	Less: Recovered from contractors & employees	129,942,782.98	54,816,233.36
004	<b>Sub-Total(Power Charges)</b>	12,001,349.15	8,002,961.50
005	Water charges	<b>117,941,433.83</b>	<b>46,813,271.86</b>
006	Stores consumed	127,544,201.33	127,195,684.12
007	Rent	63,915,376.30	64,882,036.77
008	Less: Recoveries	0.00	34,864.00
009	<b>Sub-Total (Rent)</b>	0.00	0.00
010	Cost of extraction of Captive coal	0.00	<b>34,864.00</b>
011	<b>Repairs &amp; maintenance</b>	0.00	0.00
012	Buildings	0.00	0.00
013	Plant & machinery	37,000,986.00	28,232,233.38
014	Power stations	0.00	0.00
015	Construction equipment	1,167,662,610.80	1,184,997,181.38
016	Others	5,194.00	160,013.00
017	<b>Sub-total (Repairs &amp; maintenance)</b>	116,898,627.35	97,778,515.86
019	Load Dispatch Center Charges	<b>1,321,567,418.15</b>	<b>1,311,167,943.62</b>
021	Insurance	16,419,315.00	12,560,933.00
022	Interest to beneficiaries	36,997,106.00	35,057,189.10
023	Rates and taxes	0.00	0.00
024	Water cess & environment protection cess	23,532,987.87	20,602,250.04
025	Training & recruitment expenses	0.00	0.00
026	Less: Receipts	3,834,733.00	1,923,253.00
027	<b>Sub-total (Training and recruitment expenses)</b>	0.00	0.00
028	Communication expenses	<b>3,834,733.00</b>	<b>1,923,253.00</b>
029	Inland Travel	20,409,473.23	16,083,762.50
030	Foreign Travel	78,579,472.33	67,504,364.62
031	Tender expenses	1,708,520.74	2,794,539.00
032	Less: Receipt from sale of tenders	0.00	2,155,664.00
033	<b>Sub-total (Tender expenses)</b>	486,691.00	197,877.00
034	Payment to auditors	<b>-486,691.00</b>	<b>1,957,787.00</b>
035	Audit fee	0.00	0.00
036	Tax audit fee	0.00	0.00
037	Other services	0.00	0.00
038	Reimbursement of expenses	0.00	0.00
039	<b>Sub-total (Payment to Auditors)</b>	362,956.00	256,147.00
040	Advertisement and publicity	<b>362,956.00</b>	<b>256,147.00</b>
041	Electricity duty	405,313.00	168,600.00
042	Security expenses	0.00	0.00
043	Entertainment expenses	450,181,157.34	453,662,577.77
044	Expenses for guest house	16,723,266.29	14,883,897.68
045	Less: Recoveries	11,665,138.45	2,316,357.10
046	<b>Sub-Total (Guest house expenses)</b>	0.00	9,000.00
047	Education expenses	<b>11,665,138.45</b>	<b>2,307,357.10</b>
049	Donations	14,160.00	-6,372.00
		0.00	0.00



A Maharatna Company

**BARH THERMAL POWER PROJECT  
NOTE NO. 42 TO THE FS-OTHER EXPENSE**

	For the Year ended	31.03.2020	31.03.2019
050	Ash utilisation & marketing expenses		
051	Directors sitting fee	2,921,717.33	6,589,446.61
053	Professional charges and consultancy fees	0.00	0.00
054	Legal expenses	885,870.19	721,978.00
055	EDP hire and other charges	30,359,866.00	42,765,009.00
056	Printing and stationery	1,992,610.00	3,144,395.92
057	Oil & gas exploration expenses	1,258,103.57	3,122,462.87
059	Hiring of vehicles	0.00	0.00
061	Reimbursement of L.C.charges on sales realisation	26,584,184.74	27,345,837.55
062		0.00	0.00
063	Cost of Hedging	0.00	0.00
064	Derivatives MTM loss/gain (Net)	0.00	0.00
065	Net loss/(gain) in foreign currency transactions & translations	0.00	0.00
		74,960,806.63	76,301,419.40
066	Transport Vehicle running expenses	3,435,828.96	7,830,569.97
067	Horticulture Expenses	14,024,713.46	13,929,141.19
068	Hire charges- helicopter/aircraft.	0.00	4,395,293.00
069	Hire charges of construction equipment	136,880.00	264,792.00
070	Demurrage Charges	0.00	0.00
072		0.00	0.00
073	Miscellaneous expenses	35,821,899.98	20,277,253.16
074	Loss on disposal/write-off of PPE	131,984,264.88	71,259,811.60
075	<b>Sub-Total</b>	<b>2,615,682,083.60</b>	<b>2,457,797,496.45</b>
076	Less: Other expenses inventorised	345,413,762.03	343,592,928.41
077	Less: Transferred/Allocated to development of coal mines	0.00	0.00
078	Less: Transferred to fly ash utilisation reserve fund	2,921,717.33	11,157,621.93
079	Less: Hedging cost Net recoverable/payable from/to beneficiaries	0.00	0.00
080		0.00	0.00
081	Less: Transferred to CSR Expenses	0.00	0.00
082	Less: Transferred to Expenditure during Construction period(net)-Note 43	314,617,241.50	633,920,079.51
083	<b>Net (Generation, Administration and Other expenses)</b>	<b>1,952,729,362.74</b>	<b>1,469,126,866.60</b>
084	Corporate Social Responsibility Expenses	1,878,938.28	98,888.00
085	Less: Grants-in-aid	0.00	0.00
086	<b>Sub-total (Corporate Social Responsibility Expenses)</b>	<b>1,878,938.28</b>	<b>98,888.00</b>
087	<b>Provisions</b>	<b>0.00</b>	<b>0.00</b>
088	Doubtful Debts	0.00	0.00
089	Doubtful loans, advances and claims	0.00	0.00
090	Doubtful Construction Advances	0.00	0.00
091	Shortage in stores	24,271,520.00	0.00
092	Obsolete/Diminution in the value of surplus stores	0.00	0.00
093	Shortage in construction stores	5,590,290.00	0.00
094	Diminution in value of long term investments	0.00	0.00

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A Maharatna Company

BARH THERMAL POWER PROJECT  
NOTE NO. 42 TO THE FS--OTHER EXPENSE

For the Year ended		( Amount in ₹ )	
	31.03.2020		31.03.2019
095	Shortage in Fixed assets	0.00	0.00
096	Unfinished minimum work progress from oil & gas exploration	0.00	0.00
097	Unserviceable capital works		
098	Tariff Adjustment	0.00	0.00
099	Others :	38,086,000.00	0.00
100	(i) Provision for arbitration cases	0.00	0.00
101	(ii) Other provisions	0.00	0.00
102	<b>Total (Provisions)</b>	<b>0.00</b>	<b>0.00</b>
103		<b>67,947,810.00</b>	<b>0.00</b>
104	<b>Total</b>	<b>0.00</b>	<b>0.00</b>
105		<b>2,022,556,111.02</b>	<b>1,469,225,754.60</b>
106	<b>Breakup of miscellaneous expenses.</b>	0.00	0.00
109	Hire charges of office equipment	0.00	0.00
111	Operating expenses of construction equipment		
112	Operating expenses of D.G. sets	4,336,349.87	5,481,032.41
113	Furnishing expenses	0.00	0.00
114	Subscription to trade and other associations.	325,782.14	1,246,381.14
116	Visa and entry permit charges	0.00	0.00
117	Tree plantation exp.-NTPC Land	0.00	0.00
118	Research & development expenses .	12,917,649.00	1,054,406.00
119	Less : Grants received for Research & development expenses.	0.00	0.00
120	Sub-total (Research & development expenses)	0.00	0.00
121	Bank charges	0.00	0.00
122	Business Development Expenditure	933,475.42	528,345.94
123	Surcharge (NVVN)	0.00	0.00
124	Power Trading Expenses	0.00	0.00
125	Brokerage & commission	118,000.00	350,999.00
129	Books and periodicals	0.00	0.00
130	Claims/advances written off	65,938.60	71,022.00
131	Stores written off	0.00	0.00
132	Survey & Investigation expenses written off	0.00	0.00
133	Others	2,124,000.00	0.00
134	<b>Total</b>	<b>15,000,704.95</b>	<b>11,545,066.67</b>
135		<b>35,821,899.98</b>	<b>20,277,253.16</b>
136		0.00	0.00
137		0.00	0.00





A Maharatna Company

**BARH THERMAL POWER PROJECT**

**NOTE NO. 43 TO THE FS--EXPENDITURE DURING CONSTRUCTION PERIOD (NET)**

( Amount in ₹ )

For the Year ended		31.03.2020	31.03.2019
001	<b>EXPENDITURE DURING CONSTRUCTION PERIOD (NET)</b>	<b>0.00</b>	<b>0.00</b>
002	A. Employee benefits expense	0.00	0.00
003	Salaries and wages	152,297,933.14	678,656,163.06
004	Contribution to provident and other funds	15,577,131.15	135,769,417.92
005	Unwinding of deferred payroll expenses	0.00	0.00
006	Staff welfare expenses	12,996,808.76	18,118,168.66
007	<b>Total (A)</b>	<b>180,871,873.05</b>	<b>832,543,749.64</b>
008	B. Finance Costs	0.00	0.00
009	Finance charges on financial liabilities measured at amortised cost	0.00	0.00
010	Bonds	3,613,385,705.96	4,013,844,967.06
011	Foreign currency term loans	431,003,707.96	783,742,126.00
012	Rupee term loans	3,423,975,806.51	6,042,347,934.37
013	Foreign currency bonds/notes	309,954,992.00	747,314,406.00
014	Unwinding of discount on account of vendor liabilities	13,221,255.77	195,265,835.65
015	Others	0.00	0.00
016		0.00	0.00
017	Other Borrowings Costs	0.00	0.00
018	Guarantee Commission	0.00	0.00
019	Management Fees/Arrangers Fees	0.00	0.00
020	Commitment charges/Exposure Premium	0.00	0.00
021	Legal Expenses on foreign currency loans	0.00	0.00
022	Foreign currency bonds/notes expenses	0.00	0.00
023	Foreign Credit Insurance Premium	0.00	0.00
024	Upfront Fee	0.00	0.00
025	Exchange Differences	0.00	0.00
026	Others	5,993,436.97	6,080,583.85
027	Exchange differences regarded as adjustment to interest cost	0.00	0.00
028	<b>Total (B)</b>	<b>7,797,534,905.17</b>	<b>11,788,595,852.93</b>
029		0.00	0.00
030	C. Depreciation and amortisation	0.00	0.00
031	D. Generation , administration and other expenses	0.00	0.00
032	Power charges	115,654,703.88	-115,960,356.49
033	Less: Recovered from contractors & employees	150,309.32	152,339.95
034	<b>Sub-total(Net power charges)</b>	<b>115,504,394.56</b>	<b>-116,112,696.44</b>
035	Water charges	0.00	0.00
036	Rent	0.00	0.00
037	Repairs & maintenance	0.00	0.00
038	Buildings	1,779,132.80	2,104,743.93
039	Construction equipment	0.00	20,093.00
040	Others	40,000,981.91	313,541,966.34
041		0.00	0.00
042	Insurance	33,422.00	811,130.00

**BARH THERMAL POWER PROJECT**

**NOTE NO. 43 TO THE FS--EXPENDITURE DURING CONSTRUCTION PERIOD (NET)**

For the Year ended		31.03.2020	31.03.2019
		( Amount in ₹ )	
043	Rates and taxes		
044	Communication expenses	4,537,623.22	2,969,323.75
045	Travelling expenses	2,026,820.47	2,267,598.50
046	Tender expenses	10,636,535.19	13,767,454.14
047	Less: Income from sale of tenders	0.00	0.00
048	<b>Sub-total (Net tender expenses)</b>	<b>0.00</b>	<b>0.00</b>
049	Advertisement and publicity	0.00	0.00
050	Security expenses	0.00	0.00
051	Entertainment expenses	115,577,819.69	134,460,344.00
052	Guest house expenses	1,003,577.01	932,172.35
053	Less: Receipt from guest house	0.00	0.00
054	<b>Sub-total (Net Guest House Expenses)</b>	<b>0.00</b>	<b>0.00</b>
055	Education expenses	0.00	0.00
056	Brokerage & Commission	0.00	0.00
057	Books and periodicals	0.00	0.00
058	Community development expenses	1,700.00	1,014.00
059	Professional charges and consultancy fee	0.00	0.00
060	Legal expenses	0.00	0.00
061	EDP Hire and other charges	22,582,851.00	18,596,174.00
062	Printing and stationery	0.00	28,276.00
063	Miscellaneous expenses	1,017.00	135,807.00
064	<b>Total (D)</b>	<b>931,366.65</b>	<b>260,396,678.94</b>
065	<b>Total (A+B+C+D)</b>	<b>314,817,241.50</b>	<b>633,920,079.51</b>
066	<b>E. Less: Other Income</b>	<b>8,293,024,019.72</b>	<b>13,255,059,682.08</b>
067	Interest from	0.00	0.00
068	Indian banks	0.00	0.00
069	Foreign banks	0.00	0.00
070	Others	0.00	0.00
071	Contractors	0.00	0.00
072	Hire charges	0.00	0.00
073	Sale of scrap	0.00	0.00
074	Exchange Differences	0.00	9,942.14
075	Miscellaneous income	0.00	0.00
076	<b>TOTAL (E)</b>	<b>738,428.85</b>	<b>904,462.60</b>
077	<b>F. Net actuarial gain/loss OCI</b>	<b>738,428.85</b>	<b>914,404.74</b>
078		0.00	0.00
079	<b>GRAND TOTAL (A+B+C+D-E+F)</b>	<b>0.00</b>	<b>0.00</b>
080		<b>8,292,285,590.87</b>	<b>13,254,145,277.34</b>
081	* Balance carried to Capital Work-in-progress - (Note 3)	0.00	0.00
		<b>8,292,285,590.87</b>	<b>13,254,145,277.34</b>

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A Maharatna Company

**BARH THERMAL POWER PROJECT  
NOTE NO. 44-A TO THE FINANCIAL STATEMENTS**

As at	31.03.2020	31.03.2019
001 Balance sheet		
002 Freehold land for which conveyancing of the title is awaiting completion of legal formalities	0.00	0.00
003 (a) area (in acres)		
004 (b) value (in rs)	51.21	51.21
005 Right-of-use land for which execution of lease deed is awaiting completion of legal formalities	79,497,948.00	79,497,948.00
006 (a) area (in acres)	0.00	0.00
007 (b) value (in rs)	3.08	3.08
008 Right-of-use land acquired on perpetual lease and accordingly not amortised	836,926.81	836,926.81
009 (a) area (in acres)	0.00	0.00
010 (b) value (in rs.)	0.00	0.00
011 Land in physical possession of the company which has not been shown in the books pending settlement of price (in acres)	32.51	32.51
012 Deposit with government authorities towards land in possession of the company included in cost of land which is subject to adjus	1,796,531,477.00	1,796,531,477.00
013 Land not in possession of the company		
014 (a) area (in acres)	0.00	0.00
015 (b) value (in rs)	0.00	0.00
016 Right-of-use buildings pending completion of legal formalities - value (in rs.)	0.00	0.00
017 Estimated amount of contracts remaining to be executed on capital account and not provided for	0.00	0.00
018 Property, plant & equipment		
019 Intangible assets	34,920,107,144.30	36,372,786,284.50
020 Details of precommissioning expenditure	0.00	0.00
021 (a) precommissioning expenses	0.00	0.00
022 (b) precommissioning income	284,195,481.51	0.00
023 (c) net precommissioning expenditure	0.00	0.00
024 Impact due to change in Accounting policy:-	284,195,481.51	0.00
025 (a) Increase in profit/Decrease in depreciation for the year due to change in depreciation on RE assets (Competitive bidding)	0.00	0.00
026 (b) Decrease in profit due to the adjustment in grants recognized consequent to change in policy	0.00	0.00
027		
028	0.00	0.00
029	0.00	0.00
030	0.00	0.00
031 Exchange rate variation taken to revenue during the year (with -ve sign, if favourable)	0.00	0.00
045 Exchange rate variation capitalised during the year (with -ve sign, if favourable)	7,082,276.62	23,330,219.26
050 Finance lease		
051 A) obligations towards minimum lease payments	3,145,456,073.41	2,114,307,968.00
052 Not later than one year	0.00	0.00
	0.00	0.00

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BARH THERMAL POWER PROJECT  
NOTE NO. 44-A TO THE FINANCIAL STATEMENTS

As at	31.03.2020	31.03.2019
053 Later than one year and not later than five years	0.00	0.00
054 Later than five years	0.00	0.00
055 <b>Total</b>	<b>0.00</b>	<b>0.00</b>
056 B) present value of (a) above	0.00	0.00
057 Not later than one year	0.00	0.00
058 Later than one year and not later than five years	0.00	0.00
059 Later than five years	0.00	0.00
060 <b>Total</b>	<b>0.00</b>	<b>0.00</b>
061 C) finance charges	0.00	0.00
062 Operating leases	0.00	0.00
063 A) rent	0.00	0.00
064 Company lease accomodation - executives	431,587.40	436,498.00
065 Company lease accomodation - directors	0.00	0.00
066 Others	0.00	0.00
067 <b>Total</b>	<b>431,587.40</b>	<b>34,864.00</b>
068 B) (i) receipts from sub-lease of office buildings	0.00	0.00
069 (ii) receipts from sub-lease of helicopter	0.00	0.00
070 Borrowing cost capitalised during the year	7,797,534,905.17	11,788,595,852.93
071 Revenue grants recognized during the year	0.00	0.00
072 Revenue expenditure on research and development	0.00	0.00
073 Capital expenditure on research and development.	0.00	0.00
074	0.00	0.00
075 Expenditure on sustainability development - capital	0.00	0.00
076 Expenditure on csr- capital	0.00	0.00
077 Csr amount spent during the year, yet to be paid in cash	0.00	0.00
078 Constr/acquisition of any asset	0.00	0.00
079 On purpose other than above	0.00	46,480.00
080	0.00	0.00
081	0.00	0.00
082 Disclosure under msmed act 2006.	0.00	0.00
083 (i) (a) the principal amount remaining unpaid as at year end	416,023,110.93	327,882,475.09
084 (i) (b) interest due there on remaining unpaid as at Year end	0.00	2,191,881.00
085 (ii) the amount of interest paid by the buyer in terms of section 16, along with the amounts of the payment made to the supplier	0.00	0.00
086 (iii) the amount of interest due and payable for the period of delay in making payment(which has been paid but beyond the appoin	0.00	0.00
087 (iv) the amount of interest accrued and remaining unpaid at the end of the year; and	0.00	0.00
088 (v) the amount of further interest remaining due and payable even in the succeeding years, until such date when the interest due	0.00	0.00
111	0.00	0.00



A Maharatna Company

**BARH THERMAL POWER PROJECT  
NOTE NO. 44-A TO THE FINANCIAL STATEMENTS**

As at	31.03.2020	31.03.2019
112 Amount of inventories recognized as an expense (including fuel)	20,650,162,919.58	4,170,015,039.44
113 Amount of inventories capitalised as overhauling assets out of 112 above	149,043,429.87	93,892,274.52
114 Amount capitalised as edc out of 112 above	0.00	0.00
134	0.00	0.00
135 Contingent liabilities	0.00	0.00
136 A. Claims against the company not acknowledged as debts in respect of :	0.00	0.00
137 (i)Capital works	19,071,407,169.94	19,070,791,070.94
138 (ii)Land compensation cases	749,922,918.60	749,922,918.60
139 (iii)Others by state authorities towards:-	0.00	0.00
140 (a) Water royalty / water charges / nala tax	0.00	0.00
141 (b) Diversion of land / building permission fees	0.00	0.00
142 (c) Other demands by state authorities	57,660,274.00	51,660,274.00
143 (iv) Others by fuel companies	0.00	0.00
144 (a) Disputes related to grade slippage-third party sampling	2,392,873,500.54	2,159,200,677.75
145 (b) Surface transportation charges on coal	128,546,247.76	42,369,488.76
146 (c) Take or pay claim - Gas stations	0.00	0.00
147 (d) Other claims by fuel companies not acknowledged as debt	0.00	0.00
149 B.Disputed tax demands	0.00	0.00
150 (i) Income tax	1,238,660.00	1,238,660.00
151 (ii) Excise duty	0.00	0.00
152 (iii) Sales tax	158,904,170.00	158,904,170.00
153 (iv) Service tax	0.00	0.00
154 (v) Entry tax	33,285,935.00	29,059,232.00
155 C. Others	1,358,784.00	1,712,349.00
156 <b>Total</b>	<b>22,595,197,659.84</b>	<b>22,264,858,841.05</b>
157 D. Possible reimbursement on account of contingent liabilities	0.00	0.00
158 (i) Capital works	0.00	0.00
159 (ii)Land compensation cases	0.00	0.00
160 (iii)Others (by state authorities)	0.00	0.00
161	0.00	0.00
162 (iv) Others by fuel companies	2,521,419,748.30	2,201,570,166.51
163 (v) Disputed income tax demand	0.00	0.00
164 (vi) Disputed tax demands -others	0.00	0.00
165 (vii) Others	0.00	0.00
167 <b>Total</b>	<b>2,521,419,748.30</b>	<b>2,201,570,166.51</b>
168 E.AMOUNT PAID UNDER PROTEST/ADJUSTED BY AUTHORITIES - TAX CASES	78,276,994.40	78,276,994.40
169	0.00	0.00
170 F.CONTINGENT ASSETS	0.00	0.00
171	0.00	0.00
172	0.00	0.00
173	0.00	0.00

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A Maharatna Company

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 44-A TO THE FINANCIAL STATEMENTS**

As at	31.03.2020	( Amount in ₹ )
175 Previous year figures have been regrouped/rearranged wherever necessary.	0.00	31.03.2019 0.00

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A Maharatna Company

## BARH THERMAL POWER PROJECT

## NOTE NO. 44-B TO THE FS--RPD DISCLOSURE- TRANSACTIONS DURING THE PERIOD

( Amount in ₹ )

	For the Year ended	
	31.03.2020	31.03.2019
001 <b>1) Transactions during the year- subsidiaries</b>	<b>0.00</b>	<b>0.00</b>
002 Contracts for works/services for services received by the company	0.00	0.00
003 Contracts for works/services for services provided by the company	0.00	0.00
004 Deputation of employees	0.00	0.00
005 Purchases or sales of goods	0.00	0.00
006 Purchases or sales of property and other assets	0.00	0.00
007 <b>Sub-total</b>	<b>0.00</b>	<b>0.00</b>
008	<b>0.00</b>	<b>0.00</b>
009 Dividend received	0.00	0.00
010 Equity contributions made	0.00	0.00
011 Share application money pending allotment	0.00	0.00
012 Loans granted	0.00	0.00
013 Guarantees received	0.00	0.00
014 Guarantees provided	0.00	0.00
015 <b>Sub-total</b>	<b>0.00</b>	<b>0.00</b>
016	<b>0.00</b>	<b>0.00</b>
017 <b>Transactions during the year- jvs</b>	<b>0.00</b>	<b>0.00</b>
018 Contracts for works/services for services received by the company	457,952,185.98	400,835,578.00
019 Contracts for works/services for services provided by the company	0.00	0.00
020 Deputation of employees	0.00	0.00
021 Purchases or sales of goods	0.00	0.00
022 Purchases or sales of property and other assets	0.00	0.00
023 <b>Sub-total</b>	<b>457,952,185.98</b>	<b>400,835,578.00</b>
024	<b>457,952,185.98</b>	<b>400,835,578.00</b>
025 Dividend received	0.00	0.00
026 Equity contributions made	0.00	0.00
027 Share application money pending allotment	0.00	0.00
028 Loans granted	0.00	0.00
029 Guarantees received	0.00	0.00
030 Guarantees provided	0.00	0.00
031 <b>Sub-total</b>	<b>0.00</b>	<b>0.00</b>
032 <b>Total</b>	<b>457,952,185.98</b>	<b>400,835,578.00</b>
033 <b>Transactions with post employment benefit plans</b>	<b>0.00</b>	<b>0.00</b>
034 Contributions made during the year	0.00	0.00
035 <b>Compensation to key management personnel</b>	<b>0.00</b>	<b>0.00</b>
036 Short term employee benefits	0.00	0.00
037 Post employment benefits	0.00	0.00
038 Other long term benefits	0.00	0.00
039 Termination benefits	0.00	0.00
040 Share based payments	0.00	0.00
041 <b>Sub-total</b>	<b>0.00</b>	<b>0.00</b>
042 <b>Transactions with the related parties under the</b>	<b>0.00</b>	<b>0.00</b>

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A Maharatna Company

## BARH THERMAL POWER PROJECT

## NOTE NO. 44-B TO THE FS-RPD DISCLOSURE- TRANSACTIONS DURING THE PERIOD

( Amount in ₹ )

For the Year ended	31.03.2020	31.03.2019
<b>control of the same government:</b>		
043 Coal india ltd.. And its subsidiaries- purchase of coal	10,148,422,936.89	6,098,914,082.95
044 Singareni coalfields ltd- purchase of coal	0.00	0.00
045 <b>Bhel ltd.</b>	<b>0.00</b>	<b>0.00</b>
046 Purchase of equipment, supply & erection services	63,005,952.70	5,325,200.02
047 Purchase of spares	194,655,879.22	175,330,626.87
048 Maintenance services	91,756,560.14	216,542,832.22
049 <b>Sub-total</b>	<b>349,418,392.06</b>	<b>397,198,659.11</b>
050 Gail (i) ltd. Supply of natural gas	0.00	0.00
051 Iocl supply of oil products	518,400,616.69	33,140,776.75
052 Bpcl-supply of natural gas and oil	0.00	0.00
053 Sail-supply of steel and iron products	153,534,533.89	146,240,444.87
054 Other entities	0.00	0.00
055 Purchase of equipments & erection services	74,146,146.61	103,012,103.90
056 Purchase of spares	23,058,033.94	51,842,214.38
057 Maintenance services	37,529,578.22	57,535,249.49
058	0.00	0.00
059 <b>Total</b>	<b>11,304,510,238.30</b>	<b>6,887,883,531.45</b>
060 <b>Transaction with other</b>	<b>0.00</b>	<b>0.00</b>
061 <b>Transaction with ntpc education and research society and ntpc foundation</b>	<b>0.00</b>	<b>0.00</b>
062 - transactions during the year	0.00	0.00
063 ADDITIONAL TRANSACTIONS WITH RELATED PARTIES FOR PSU	0.00	0.00
064 <b>Compensation to key management personnel (including co secretary/ cmd and non executive directors)</b>	<b>0.00</b>	<b>0.00</b>
065 Short term employee benefits	0.00	0.00
066 Post employment benefits	0.00	0.00
067 Other long term benefits	0.00	0.00
068 Directors sitting fee	0.00	0.00
069 Termination benefits	0.00	0.00
070 Share based payments	0.00	0.00
071 Bank guarantee received from joint venture companies	0.00	0.00
072 Additional Transactions with GAIL	0.00	0.00
073	0.00	0.00
074	0.00	0.00
075	0.00	0.00

*Vitendra*





A Maharatna Company

BARH THERMAL POWER PROJECT

NOTE NO. 44-C TO THE FS--RPD DISCLOSURE- OUTSTANDING BALANCES

As at	31.03.2020	31.03.2019
001 <b>Outstanding balance</b>	<b>0.00</b>	<b>0.00</b>
002 <b>Amount recoverable towards loans</b>	<b>0.00</b>	<b>0.00</b>
003 - From Subsidiaries	0.00	0.00
004 - From JVC	0.00	0.00
005 - From KMP	0.00	0.00
006 - From Others	0.00	0.00
007 Sub-total	0.00	0.00
008 <b>Amount recoverable other than loan</b>	<b>0.00</b>	<b>0.00</b>
009 - from subsidiaries	0.00	0.00
010 - from joint ventures	0.00	0.00
011 - from key managerial personnel	0.00	0.00
012 - from post employment benefit plans	0.00	0.00
013 - from others	0.00	0.00
014 Sub-total	0.00	0.00
015 <b>Amount payable</b>	<b>0.00</b>	<b>0.00</b>
016 - from subsidiaries	0.00	0.00
017 - from joint ventures	0.00	0.00
018 - from key managerial personnel	43,961,059.00	34,584,238.02
019 - from post employment benefit plans	0.00	0.00
020 - from others	0.00	0.00
021 Sub-total	0.00	0.00
022	43,961,059.00	34,584,238.02
	0.00	0.00

**BARH THERMAL POWER PROJECT  
BALANCE SHEET**

As at		Note	( Amount in ₹ )	
			31.03.2020	31.03.2019
001	<b>ASSETS</b>			
002			0.00	0.00
003	<b>Non-Current Assets</b>		0.00	0.00
004	Property, plant and equipment	2	0.00	0.00
005	Capital-Work-in-Progress	3	84,516,529,371.10	87,776,729,844.14
006	Intangible Assets	4	172,694,457,461.95	157,422,392,430.14
007	Intangible Assets under Development	5	0.00	0.00
008	Investments in Subsidiaries and Joint Ventures	6	0.00	0.00
009	<b>Financial Assets</b>			
010	i) Investments	7	0.00	0.00
011	ii) Trade receivables	8	0.00	0.00
012	iii) Loans	9	0.00	0.00
013	iv) Other financial assets	10	89,993,507.50	87,267,901.86
014	Other non-current assets	11	0.00	0.00
015	<b>Total non-current assets</b>		<u>9,440,627,254.92</u>	<u>8,657,270,844.38</u>
016			<u>266,741,607,595.47</u>	<u>253,943,661,020.52</u>
017	<b>Current Assets</b>		0.00	0.00
018	Inventories	12	0.00	0.00
019	<b>Financial assets</b>		5,790,640,168.36	4,846,808,683.86
020	i) Investments	13	0.00	0.00
021	ii) Trade receivables	14	0.00	0.00
022	iii) Cash and cash equivalents	15	1,109,423.55	0.00
023	iv) Bank balances other than cash and cash equivalents	16	150,802.21	5,541,993.82
024	v) Loans	17	0.00	0.00
025	vi) Other financial assets	18	55,272,321.66	49,387,689.57
026			191,114,385.94	252,203,341.61
027	Other Current Assets	19	0.00	0.00
028			4,168,034,033.01	4,286,867,059.90
029			0.00	0.00
030	<b>Total Current Assets</b>		<u>0.00</u>	<u>0.00</u>
031	Regulatory deferral account debit balances	20	<u>10,206,321,134.73</u>	<u>9,440,808,768.76</u>
032	<b>TOTAL ASSETS</b>		<u>-956,367,153.14</u>	<u>-1,055,732,488.60</u>
034	<b>EQUITY AND LIABILITIES</b>		<u>275,991,561,577.06</u>	<u>262,328,737,300.68</u>
035	<b>Equity</b>		0.00	0.00
036	Equity Share capital	21	0.00	0.00
037	Other equity	22	0.00	0.00
040	<b>Total equity</b>		<u>12,546,317,759.63</u>	<u>9,675,460,453.16</u>
041			<u>12,546,317,759.63</u>	<u>9,675,460,453.16</u>
042	<b>Liabilities</b>		0.00	0.00
043	<b>Non-Current Liabilities</b>		0.00	0.00
044	<b>Financial liabilities</b>		0.00	0.00
045	i) Borrowings	23	0.00	0.00

# **BALANCE SHEET**

## **2020-21**



A Maharatna Company

**BARH THERMAL POWER PROJECT  
STATEMENT OF PROFIT AND LOSS**

( Amount in ₹ )

	For the Year ended	Note	31.03.2021	31.03.2020
001	<b>Revenue</b>		<b>0.00</b>	<b>0.00</b>
002	Revenue from operations	37	37,427,372,726.61	35,244,839,504.98
003	Other income	38	247,000,214.00	132,003,513.81
005	<b>Total Revenue</b>		<b>37,674,372,940.61</b>	<b>35,376,843,018.79</b>
007	<b>Expenses</b>		<b>0.00</b>	<b>0.00</b>
008	Fuel including cost of captive coal	38A	21,613,924,666.88	20,009,987,317.99
009	Employee benefits expense	39	1,441,584,682.67	1,421,467,275.73
010	Electricity purchased for trading		0.00	0.00
011	Finance costs	40	3,622,808,452.08	4,151,855,804.30
012	Depreciation and amortization expenses	41	5,113,209,675.48	5,015,882,549.29
013			0.00	0.00
014	Other expenses	42	2,023,928,867.10	2,022,556,111.02
015	CC expenses charge to revenue		-123,141,142.86	-16,857,282.44
016	Less: Unit expenses transferred to CC		0.00	0.00
017	<b>Total expenses</b>		<b>33,692,315,201.35</b>	<b>32,604,891,775.89</b>
020	<b>Profit before exceptional items &amp; tax</b>		<b>3,982,057,739.26</b>	<b>2,771,951,242.90</b>
021	Exceptional items		0.00	0.00
024	<b>Profit before tax</b>		<b>3,982,057,739.26</b>	<b>2,771,951,242.90</b>
027	<b>Tax expense:</b>		<b>0.00</b>	<b>0.00</b>
028	Current tax		0.00	0.00
029	Deferred tax		0.00	0.00
030			0.00	0.00
031	<b>Total Tax expense</b>		<b>0.00</b>	<b>0.00</b>
032	<b>Profit for the period before regulatory deferral account balances</b>		<b>3,982,057,739.26</b>	<b>2,771,951,242.90</b>
033	<b>Movement in regulatory deferral account balances</b>		<b>0.00</b>	<b>0.00</b>
034	Regulatory deferred account - deferred		0.00	0.00
035	Others		-5,638,643.50	99,365,335.46
036	Tax impact on Regulatory deferral account balances		0.00	0.00
037	<b>Movement in Regulatory deferral account balances (Net of Tax)</b>		<b>-5,638,643.50</b>	<b>99,365,335.46</b>
038	<b>Profit for the period/ year</b>		<b>3,976,419,095.76</b>	<b>2,871,316,578.36</b>
039	<b>Other comprehensive income</b>		<b>0.00</b>	<b>0.00</b>
040	<b>(A) Items that will not be reclassified to profit or loss</b>		<b>0.00</b>	<b>0.00</b>
041	- Net gains/(losses) on fair value of equity instruments through other comprehensive income		0.00	0.00
042	Income tax on above that will not be reclassified to profit or loss		0.00	0.00
043	- Net actuarial gains/(losses) on defined benefit plans		-14,716,099.33	-30,210,815.78
044	Income tax on above that will not be reclassified to profit or loss		0.00	0.00



A Maharatna Company

**BARH THERMAL POWER PROJECT  
STATEMENT OF PROFIT AND LOSS**

( Amount in ₹ )

	For the Year ended	Note	31.03.2021	31.03.2020
048			0.00	0.00
049	<b>Other comprehensive income for the year, net of income tax</b>		<b>-14,716,099.33</b>	<b>-30,210,815.78</b>
050			0.00	0.00
051	<b>Total Comprehensive Income for the year</b>		<b>3,961,702,996.43</b>	<b>2,841,105,762.58</b>
065			0.00	0.00
066	<b>Earnings per equity share:</b>		<b>0.00</b>	<b>0.00</b>
067	Basic & Diluted		0.00	0.00
068	Significant Accounting Policies		0.00	0.00
069	Expenditure during construction period (Net)/Dev. of coal mines (net) 43 /43A		0.00	0.00
070	The accompanying notes 1 to 44 form an integral part of these financial statements.		0.00	0.00

( Auditor Initial & Stamp )

( Head of Finance )

( Head of Unit )

*Vitendra*



A Maharatna Company

**BARH THERMAL POWER PROJECT  
BALANCE SHEET**

( Amount in ₹ )

As at	Note	31.03.2021	31.03.2020
001	<b>ASSETS</b>	<b>0.00</b>	<b>0.00</b>
002		<b>0.00</b>	<b>0.00</b>
003	<b>Non-Current Assets</b>	<b>0.00</b>	<b>0.00</b>
004	Property, plant and equipment	79,183,870,235.23	84,516,529,371.10
005	Capital-Work-in-Progress	185,775,192,051.60	172,694,457,461.95
006	Intangible Assets	64,043.08	0.00
007	Intangible Assets under Development	0.00	0.00
008	<b>Financial Assets</b>	<b>0.00</b>	<b>0.00</b>
009	i) Investments in Subsidiaries and Joint Ventures	0.00	0.00
010	ii) Investments	0.00	0.00
011	iii) Trade receivables	0.00	0.00
012	iv) Loans	111,158,418.22	89,993,507.50
013	v) Other financial assets	0.00	0.00
014	Other non-current assets	9,432,572,520.94	9,440,627,254.92
015	<b>Total non-current assets</b>	<b>274,502,857,269.07</b>	<b>266,741,607,595.47</b>
016		<b>0.00</b>	<b>0.00</b>
017	<b>Current Assets</b>	<b>0.00</b>	<b>0.00</b>
018	Inventories	3,443,194,140.09	5,790,640,168.36
019	<b>Financial assets</b>	<b>0.00</b>	<b>0.00</b>
020	i) Investments	0.00	0.00
021	ii) Trade receivables	0.00	0.00
022	iii) Cash and cash equivalents	484,385.32	150,802.21
023	iv) Bank balances other than cash and cash equivalents	0.00	0.00
024	v) Loans	61,312,894.69	55,272,321.66
025	vi) Other financial assets	290,501,910.08	192,223,809.49
026	Current Tax Assets (net)	0.00	0.00
027		0.00	0.00
028	Other Current Assets	3,535,962,329.04	4,168,034,033.01
029		<b>0.00</b>	<b>0.00</b>
030	<b>Total Current Assets</b>	<b>7,331,455,659.22</b>	<b>10,206,321,134.73</b>
031	Regulatory deferral account debit balances	-962,005,796.64	-956,367,153.14
032	<b>TOTAL ASSETS</b>	<b>280,872,307,131.65</b>	<b>275,991,561,577.06</b>
034	<b>EQUITY AND LIABILITIES</b>	<b>0.00</b>	<b>0.00</b>
035	<b>Equity</b>	<b>0.00</b>	<b>0.00</b>
036	Equity Share capital	0.00	0.00
037	Other equity	16,542,437,305.04	12,546,317,759.63
040	<b>Total equity</b>	<b>16,542,437,305.04</b>	<b>12,546,317,759.63</b>
041		0.00	0.00
042	<b>Liabilities</b>	<b>0.00</b>	<b>0.00</b>
043	<b>Non-Current Liabilities</b>	<b>0.00</b>	<b>0.00</b>
044	<b>Financial liabilities</b>	<b>0.00</b>	<b>0.00</b>
045	i) Borrowings	0.00	0.00

*Vijendra*



A Maharatna Company

**BARH THERMAL POWER PROJECT  
BALANCE SHEET**

( Amount in ₹ )

As at	Note	31.03.2021	31.03.2020
046	ii) <b>Trade payables</b>	<b>0.00</b>	<b>0.00</b>
047	- Total outstanding dues of micro and small enterprises	24 0.00	0.00
048	- Total outstanding dues of creditors other than micro and small enterprises	24 0.00	0.00
049	iii) <b>Other financial liabilities</b>	4,017,929,059.44	4,047,439,880.23
050	Provisions	26 0.00	0.00
051	Deferred Tax Liabilities (net)	27 0.00	0.00
052	Other non-current liabilities	28 0.00	0.00
053		<b>0.00</b>	<b>0.00</b>
054	<b>Total non-current liabilities</b>	<b>4,017,929,059.44</b>	<b>4,047,439,880.23</b>
055		<b>0.00</b>	<b>0.00</b>
056	<b>Current Liabilities</b>	<b>0.00</b>	<b>0.00</b>
057	<b>Financial liabilities</b>	<b>0.00</b>	<b>0.00</b>
058	i) Borrowings	29 0.00	0.00
059	ii) <b>Trade Payables</b>	<b>0.00</b>	<b>0.00</b>
060	- Total outstanding dues of micro and small enterprises	30 148,538,097.49	208,009,502.56
061	- Total outstanding dues of creditors other than micro and small enterprises	30 2,368,138,483.99	3,680,121,636.99
062	iii) <b>Other financial liabilities</b>	31 17,661,875,074.01	17,363,090,670.48
063	Other current liabilities	32 83,471,899.36	124,629,085.99
064	Provisions	33 1,680,973,759.99	1,237,482,244.79
065	Current tax liabilities (net)	34 0.00	0.00
066		<b>0.00</b>	<b>0.00</b>
067	<b>Sub Total</b>	<b>21,942,997,314.84</b>	<b>22,613,333,140.81</b>
068		<b>0.00</b>	<b>0.00</b>
069	Deferred Revenue	35 1,088,266,000.00	1,336,867,000.00
070	Regulatory deferral account credit balances	36 0.00	0.00
071	Inter Unit Accounts	237,280,677,452.33	235,447,603,796.39
072		<b>0.00</b>	<b>0.00</b>
073	<b>TOTAL EQUITY AND LIABILITIES</b>	<b>280,872,307,131.65</b>	<b>275,991,561,577.06</b>
074	Significant Accounting Policies as per Note 1	1 0.00	0.00
075		<b>0.00</b>	<b>0.00</b>
076	The accompanying notes 1 to 44 form an integral part of these financial statements.	0.00	0.00
077		0.00	0.00
078		<b>0.00</b>	<b>0.00</b>

( Auditor Initial & Stamp )

( Head of Finance )

( Head of Unit )

*Vitendra*

**Note forming part of Balance Sheet  
Note 2 : Property, Plant And Equipment  
Business Area : 1028**

(Amount in Rupees)

Asset Class	Opening Gross Block As At 01.04.2020	Additions	Deductions/ Adjustments	Closing Gross Block As At 31.03.2021	Opening Depreciation As At 01.04.2020	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2021	Net Block As At 31.03.2021	Net Block As At 31.03.2020
<b>1 TANGIBLE ASSETS</b>										
2 Land : (including development expenses)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 Freehold	3077719046.00	0.00	0.00	3077719046.00	0.00	0.00	0.00	0.00	3077719046.00	3077719046.00
4 Right of Use	49673929.64	0.00	0.00	49673929.64	11036793.31	3046741.03	0.00	14063534.34	35590395.30	38637136.33
5 Submergence	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 Right of use - Coal Bearing Area Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7 Roads, bridges, culverts & helipads	1097541499.93	1836323.00	650205.65	1100028028.58	158734125.09	37204656.52	0.00	195938781.61	904089246.97	938807374.84
8 Building :	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9 Freehold	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10 Main plant	519033669.73	0.00	1137197.00	519147566.73	804558452.46	175056824.25	0.00	980625276.71	4210850590.02	4385780217.27
11 Others	1926739486.26	115656271.03	(352071.18)	2042043686.11	319960853.73	74499550.52	(804276.33)	393656128.02	1648387556.09	1606778632.53
12 Right of Use	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13 Temporary erection	1323744.12	0.00	0.00	1323744.12	362558.89	961185.23	0.00	1323744.12	0.00	961185.23
14 Water Supply, drainage & sewerage system	118501198.74	0.00	0.00	118501198.74	18967631.56	4207982.10	0.00	23175623.66	95325575.08	99533567.18
15 Hydraulic works, barrages, dams, tunnels and power channel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16 MGR track and signalling system	1086318635.67	0.00	0.00	1086318635.67	253799964.89	54600118.03	0.00	308400082.86	777918552.99	832518671.02
17 Railway siding	2911378389.73	0.00	0.00	2911378389.73	592467719.03	148317091.63	0.00	740784810.72	2170593579.01	2318910670.64
18 Earth dam reservoir	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19 Plant and machinery/(including associated civil works) Owned Asset	88981562046.64	250585672.85	(111402944.11)	88120744875.38	18260779126.79	5080238995.19	(3434784.15)	2333758337.83	65783161537.55	70720782919.85

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**Note forming part of Balance Sheet  
Note 2 : Property, Plant And Equipment  
Business Area :1028**

(Amount in Rupees)

Asset Class	Opening Gross Block As At 01.04.2020	Additions	Deductions/ Adjustments	Closing Gross Block As At 31.03.2021	Opening Depreciation As At 01.04.2020	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2021	Net Block As At 31.03.2021	Net Block As At 31.03.2020
20 Plant and machinery(including associated civil works) -Right of use Asset	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21 Furniture and fixtures	191776272.26	10728675.30	3.88	202504951.45	56629337.06	13331775.40	0.00	69961112.46	132543838.99	135146935.20
22 Assets under 5 Km Scheme	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23 Vehicles including speedboats / helicopter- Owned	4648732.42	0.00	(111921.43)	4536810.99	1314331.90	241731.46	(62445.13)	1493616.22	3043192.77	3334400.52
24 Vehicles including speedboats / helicopter - Leased	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25 Office equipment	62173324.84	3078076.71	(50642.67)	65200758.88	23094713.46	5930718.96	(35789.07)	28989643.35	36211115.53	39078611.38
26 EDP, WP machines and satcom equipment	71829150.05	9523616.19	(2086072.10)	79266894.14	48231867.05	12182357.25	(2090666.06)	58323555.24	20943335.90	23597283.00
27 Construction equipments	116296836.08	1324680.00	16863970.00	134485496.08	48084854.15	10674051.42	0.00	56758905.57	75726590.51	68211981.93
28 Electrical Installations	264278305.47	0.00	0.00	264278305.47	69952784.93	14066124.42	0.00	84018909.35	180259396.12	194325520.54
29 Communication equipments	49956393.63	1984450.56	(112787.54)	51828056.57	18567821.42	4525409.03	(97079.50)	22996150.95	28831905.72	31388572.21
30 Hospital equipments	1468382.56	1811839.00	0.00	3280221.56	451737.13	153705.75	0.00	605442.88	2674778.68	1016645.43
31 Laboratory and workshop equipments	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32 Capital expenditure on assets not owned by the Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33 Assets of Government	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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**Note forming part of Balance Sheet  
Note 2 : Property, Plant And Equipment  
Business Area :1028**

(Amount in Rupees)

Asset Class	Opening Gross Block As At 01.04.2020	Additions	Deductions/ Adjustments	Closing Gross Block As At 31.03.2021	Opening Depreciation As At 01.04.2020	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2021	Net Block As At 31.03.2021	Net Block As At 31.03.2020
34 Less:Grants from Government	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35 Less: Recoverable from GOI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36 Assets for ash utilisation	1599315.00	0.00	0.00	1599315.00	0.00	0.00	0.00	0.00	1599315.00	1599315.00
37 (Less):-Adjusted from fly ash utilisation reserve fund	1599315.00	0.00	0.00	1599315.00	0.00	0.00	0.00	0.00	1599315.00	1599315.00
38 Site Restoration Cost	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39 Mining Properties	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grand Total (Tangible)	105203524043.97	396529814.66	(95464962.49)	105504588896.14	20686994672.87	5640249028.28	(6525040.24)	28320718660.91	79183870235.23	84516529371.10
Grand Total Prev Year (Tangible)	103101822318.62	988765642.98	1112936082.37	105203524043.97	15325092474.48	5475234249.06	(113332050.67)	20686994672.87	84516529371.10	87776729844.14

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*Vidhwan*

**Note forming part of Balance Sheet  
Note 2 : Property, Plant And Equipment  
Business Area :1028**

(Amount in Rupees)

Particulars	Gross Block		Depreciation/Amortization	
	Tangible As At: 31.03.2021	Tangible As At: 31.03.2020	Tangible As At: 31.03.2021	Tangible As At: 31.03.2020
Disposal of assets	(2564825.05)	(2516644.52)	(2536454.01)	(1780155.56)
Retirement of assets	(42025661.88)	(243276558.33)	(4407761.11)	(111828070.93)
Cost adjustments	(52693260.94)	1357474056.54	0.00	0.00
Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00	0.00
Depreciation on construction equipment capitalised as EDC	0.00	0.00	0.00	0.00
Prior Period Depreciation due to Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00	0.00
Special Depreciation (As per New Policy)	0.00	0.00	0.00	0.00
Transfer in /out because of Inter Unit transfers	1818785.38	1255228.68	419174.88	276175.82
Others	0.00	0.00	0.00	0.00
<b>TOTAL</b>	<b>(95464962.49)</b>	<b>1112936082.37</b>	<b>(6525040.24)</b>	<b>(11332050.67)</b>

Note:- Additions during the year includes capital expenditure towards CSR (in Rs.) : 0.00

Note forming part of Balance Sheet  
 Note 3: Capital-Work-in-Progress  
 Business Area: BARH THERMAL POWER PROJECT

(Amount in Rupees)

Sl No	Asset Class	As At 01.04.2020	Addition	Deduction/ Adjustment	Capitalized	As At 31.03.2021
		2	3	4	5	6
1	CAPITAL WORK-IN-PROGRESS					
2	Development of land	1958425234.87		(5171237.00)		1953253997.87
3	Roads, bridges, culverts & helipads	2073281.94	3090681.65	(650205.65)	1836323.00	2677434.94
4	Piling and foundation	7126014060.34	339333921.00			7465347981.34
5	Buildings :					
6	Main plant	2463225351.12	199381278.17			2662606629.29
7	Others	4316728919.89	1060130963.86	4644040.89	115656271.03	5265847653.61
8	Temporary erection	39106303.82	12182215.53	(77991.29)		51210529.06
9	Water supply, drainage and sewerage system	4594762.92	1710176.08			6304939.00
10	Hydraulic works, barrages, dams, tunnels and power channel					
11	MGR track and signalling system					
12	Railway siding					
13	Earth dam reservoir					
14	Plant and equipment	143918715138.15	10212749512.66	(58672321.55)	19226735.00	154053565594.26
15	Furniture and fixtures	8010737.34	17174175.61		6094118.00	19090794.95
16	Vehicles					
17	Office equipment		127084.12			127084.12
18	EDPWP machines & satcom equipment	1294937.25		(1294937.25)		
19	Construction equipments					
20	Electrical installations					
21	Communication equipment					
22	Hospital equipments					
23	Laboratory and workshop equipments					
24	Assets under 5Km Scheme of the GOI					
25	Capital expenditure on assets not owned by the company					
26	Expenditure towards development of coal mines					
27	Survey, investigation, Consultancy & Supervision Cha	40140508.89				40140508.89
28	Difference in exchange on foreign currency loans	10854341890.50		(472683445.87)		10381658444.63

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*Vijendra*

Note forming part of Balance Sheet  
 Note 3: Capital-Work-in-Progress  
 Business Area: BARH THERMAL POWER PROJECT

(Amount in Rupees)

Sl No	Asset Class	As At 01.04.2020	Addition	Deduction/ Adjustment	Capitalized	As At 31.03.2021
	1	2	3	4	5	6
29	Expenditure towards diversion of forest land					
30	Pre-commissioning expenses (net)	284195481.51	898064696.01			1182260177.52
31	Exp/Pend/Alloca-oth ex attribut Project	55104022.00				55104022.00
32	Expenditure During Construction Period (net)*		8291148766.60	99081632.90		8390231402.50
33	LESS : Allocated to related works		8390231402.50			8390231402.50
34	LESS : Provision for Unservicable works	101849044.86				101849044.86
35	<b>Construction stores (At Cost)</b>					
36	Steel	412013417.60	18267298.64	(60719810.79)		369560905.45
37	Cement	29613735.69	46484700.00	(42484611.02)		33593824.67
38	Others	1374818502.96	1244065046.35	(197470382.47)		2421414166.86
39	<b>Sub-total</b>	<b>1816445656.27</b>	<b>1308798044.99</b>	<b>(300674804.28)</b>		<b>2824568896.98</b>
40	LESS : Provision for shortages	92108780.00		(5386188.00)		86723592.00
41	<b>Sub-total</b>	<b>1724335876.27</b>	<b>1308798044.99</b>	<b>(295288616.28)</b>		<b>2737845304.98</b>
42	<b>Total CWIP</b>	<b>172694457461.95</b>	<b>13953561117.78</b>	<b>(730113081.10)</b>	<b>142813447.03</b>	<b>185775192051.60</b>
43						
44						
45	<b>PREVIOUS YEAR TOTAL</b>	<b>157422392430.14</b>	<b>18034484009.79</b>	<b>(2346947173.72)</b>	<b>819730163.80</b>	<b>172694457461.95</b>

Note :- Additions during the year includes capital expenditure towards CSR (in Rs.) :

0.00

**Note forming part of Balance Sheet**  
**Note-4 Non Current Assets- Intangible Assets**  
**Business Area :1028**

(Amount in Rupees)

Asset Class	Opening Gross Block As At 01.04.2020	Additions	Deductions/ Adjustments	Closing Gross Block As At 31.03.2021	Opening Depreciation As At 01.04.2020	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2021	Net Block As At 31.03.2021	Net Block As At 31.03.2020
<b>INTANGIBLE ASSETS</b>										
1 Right to Use- Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 -Others	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 -Software	1016303.64	79501.75	0.00	1095805.39	1016303.64	15458.67	0.00	1031762.31	64043.08	0.00
<b>Grand Total (Intangible)</b>	<b>1016303.64</b>	<b>79501.75</b>	<b>0.00</b>	<b>1095805.39</b>	<b>1016303.64</b>	<b>15458.67</b>	<b>0.00</b>	<b>1031762.31</b>	<b>64043.08</b>	<b>0.00</b>
<b>Grand Total Prev Year (Intangible)</b>	<b>1016303.64</b>	<b>0.00</b>	<b>0.00</b>	<b>1016303.64</b>	<b>1016303.64</b>	<b>0.00</b>	<b>0.00</b>	<b>1016303.64</b>	<b>0.00</b>	<b>0.00</b>

3300

*M. K. Sankar*

**Note forming part of Balance Sheet  
Note-4 Non Current Assets- Intangible Assets  
Business Area :1028**

(Amount in Rupees)

Particulars	Gross Block		Depreciation/Amortization	
	In Tangible As At: 31.03.2021	In Tangible As At: 31.03.2020	In Tangible As At: 31.03.2021	In Tangible As At: 31.03.2020
Disposal of assets	0.00	0.00	0.00	0.00
Retirement of assets	0.00	0.00	0.00	0.00
Cost adjustments	0.00	0.00	0.00	0.00
Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00	0.00
Depreciation on construction equipment capitalised as EDC	0.00	0.00	0.00	0.00
Prior Period Depreciation due to Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00	0.00
Special Depreciation (As per New Policy)	0.00	0.00	0.00	0.00
Transfer in /out because of Inter Unit transfers	0.00	0.00	0.00	0.00
Others	0.00	0.00	0.00	0.00
<b>TOTAL</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Note:- Additions during the year includes capital expenditure towards CSR (in Rs.) : 0.00

*Intend*

Note forming part of Balance Sheet  
 Note 5: Intangible Assets under Development  
 Business Area: BARH THERMAL POWER PROJECT

(Amount in Rupees)

Sl No	Asset Class	As At 01.04.2020	Addition	Deduction/ Adjustment	Capitalized	As At 31.03.2021
		2	3	4	5	6
1	INTANGIBLE ASSETS UNDER DEVELOPMENT					
2	Software					
3	Right to use Others					
4	Exploration and Evaluation Expenditure - Coal Mini					
5	Exploratory wells-in-progress					
6	Less: Provision for exploratory wells-in-progress					
7	Total					
8	PREVIOUS YEAR TOTAL-I					

Note:- Additions during the year includes capital expenditure towards CSR (in Rs.) :

0.00

400

*Sitendra*





A Maharatna Company

**BARH THERMAL POWER PROJECT**

**NOTE NO. 6 TO THE FS-NCA-INVESTMENTS IN SUBSIDIARIES & JOINT VENTURES**

( Amount in ₹ )

As at	No. of shares	Face value	31.03.2021	31.03.2020
001	<b>NON CURRENT INVESTMENTS-</b> Investments in subsidiaries and joint ventures		<b>0.00</b>	<b>0.00</b>
012	Equity Instruments - Unquoted-(fully paid up unless otherwise stated, at cost)		<b>0.00</b>	<b>0.00</b>
013	<b>Subsidiary Companies</b>		<b>0.00</b>	<b>0.00</b>
014	Patratu Vidyut Utpadan Nigam Ltd.		0.00	0.00
015	NTPC Electric Supply Company Ltd.		0.00	0.00
016	NTPC Vidyut Vyapar Nigam Ltd.		0.00	0.00
017	Nabinagar Power Generating Company Ltd.		0.00	0.00
018	Kanti Bijlee Utpadan Nigam Ltd.		0.00	0.00
019	Bharliya Rail Bijlee Company Ltd.		0.00	0.00
020	NTPC Mining Ltd (NML)		0.00	0.00
021	THDC India Ltd.		0.00	0.00
022	NEEPCO LTD.		0.00	0.00
023	NTPC EDMC Waste Solutions Pvt Ltd		0.00	0.00
024	NTPC Renewables Energy Ltd		0.00	0.00
025	Ratnagiri Gas & Power Pvt. Limited (RGPPL)		0.00	0.00
026			0.00	0.00
027			0.00	0.00
028			0.00	0.00
029			0.00	0.00
030	<b>Sub Total</b>		<b>0.00</b>	<b>0.00</b>
055	<b>Joint Venture Companies</b>		<b>0.00</b>	<b>0.00</b>
056	Utility Powertech Ltd.		0.00	0.00
057	NTPC GE Power Services Pvt.Ltd.		0.00	0.00
058	NTPC-SAIL Power Company Ltd.		0.00	0.00
059	NTPC-Tamil Nadu Energy Company Ltd.		0.00	0.00



A Maharatna Company

**BARH THERMAL POWER PROJECT**

**NOTE NO. 6 TO THE FS-NCA-INVESTMENTS IN SUBSIDIARIES & JOINT VENTURES**

**( Amount in ₹ )**

As at	No. of shares	Face value	31.03.2021	31.03.2020
060	Ratnagiri Gas & Power Pvt. Limited (RGPPL)		0.00	0.00
061	Aravali Power Company Private Ltd.		0.00	0.00
062			0.00	0.00
063	NTPC BHEL Power Projects Private Ltd.		0.00	0.00
064	Meja Urja Nigam Private Limited		0.00	0.00
065	BF-NTPC Energy Systems Ltd.		0.00	0.00
066			0.00	0.00
067	Nabinagar Power Generating Company Ltd.		0.00	0.00
068	Transformer and Electrical Kerala Ltd.		0.00	0.00
069	National High Power Test Laboratory Private Ltd.		0.00	0.00
070			0.00	0.00
071	CIL NTPC Urja Private Ltd.		0.00	0.00
072	Anushakti Vidhyut Nigam Ltd.		0.00	0.00
073	Energy Efficiency Services Ltd.		0.00	0.00
074			0.00	0.00
075	Trincomalee Power Company Ltd.		0.00	0.00
076	Bangladesh-India Friendship Power Company (Pvt.) Ltd.		0.00	0.00
077	Hindustan Urvarak & Rasayan Limited		0.00	0.00
078	Konkan LNG Ltd		0.00	0.00
079			0.00	0.00
081	<b>Sub Total</b>		<b>0.00</b>	<b>0.00</b>
109	Aggregate amount of impairment in the value of investments		0.00	0.00
110	Total (net of impairment) of JV		0.00	0.00
111	Gross Total of Investments		0.00	0.00
134	<b>Total</b>		<b>0.00</b>	<b>0.00</b>
135	Details of Investments		0.00	0.00



A Maharatna Company

**BARH THERMAL POWER PROJECT**

**NOTE NO. 6 TO THE FS-NCA-INVESTMENTS IN SUBSIDIARIES & JOINT VENTURES**

**( Amount in ₹ )**

As at	No. of shares	Face value	31.03.2021	31.03.2020
136	Aggregate amount of Unquoted Investments		0.00	0.00
141			0.00	0.00
142			0.00	0.00
143			0.00	0.00
144			0.00	0.00
145			0.00	0.00
153	Valuation of Investments as per Note 1.		0.00	0.00
154			0.00	0.00
202			0.00	0.00
233			0.00	0.00

*Vitendra*



A Maharatna Company

**BARH THERMAL POWER PROJECT**

**NOTE NO. 7 TO THE FS-NCA-INVESTMENTS**

( Amount in ₹ )

As at	No. of shares	Face value	31.03.2021	31.03.2020
001 Non-current financial assets (investments)			0.00	0.00
006 <b>Long Term - Trade</b>			<b>0.00</b>	<b>0.00</b>
007 <b>Equity Instruments (fully paid up-unless otherwise stated)</b>			<b>0.00</b>	<b>0.00</b>
008 <b>Quoted</b>			<b>0.00</b>	<b>0.00</b>
009 <b>Joint Venture Companies</b>			<b>0.00</b>	<b>0.00</b>
010 PTC India Ltd.			0.00	0.00
070 International Coal Ventures Private Ltd.			0.00	0.00
075 BF-NTPC Energy Systems Ltd.			0.00	0.00
098			0.00	0.00
110 Cooperative Societies			0.00	0.00
111 <b>Sub Total</b>			<b>0.00</b>	<b>0.00</b>
112 Aggregate amount of impairment in the value of investments			0.00	0.00
115 <b>Total</b>			<b>0.00</b>	<b>0.00</b>
120			0.00	0.00
146 NTPC Employees Consumers and Thrift Co-operative Society Ltd. Korba			0.00	0.00
147 NTPC Employees Consumers and Thrift Cooperative Society Ltd. RSTPP			0.00	0.00
148 NTPC Employees Consumers Cooperative Society Ltd. Farakka			0.00	0.00
149 NTPC Employees Consumers Cooperative Society Ltd. Vindhyachal			0.00	0.00
150 NTPC Employees Consumers Cooperative Society Ltd. Anta			0.00	0.00
151 NTPC Employees Consumers Cooperative Society Ltd. Kawas			0.00	0.00
152 NTPC Employees Consumers Cooperative Society Ltd. Kaniha			0.00	0.00

*Vitendra*



A Maharatna Company

**BARH THERMAL POWER PROJECT**

**NOTE NO. 8 TO THE FS-NCA-TRADE RECEIVABLES**

**( Amount in ₹ )**

As at	31.03.2021	31.03.2020
001 Non-current financial assets - Trade receivables	0.00	0.00
002 Unsecured, considered good	0.00	0.00
003 Credit impaired	0.00	0.00
004	0.00	0.00
005	0.00	0.00
006 <b>Total</b>	<b>0.00</b>	<b>0.00</b>

*V. K. S. S.*



A Maharatna Company

**BARH THERMAL POWER PROJECT  
NOTE NO. 9 TO THE FS-NCA-LOANS**

( Amount in ₹ )

As at	31.03.2021	31.03.2020
001 <b>Loans (Non Current)</b>	<b>0.00</b>	<b>0.00</b>
004 Related Parties	0.00	0.00
005 Secured	0.00	0.00
006 Un-Secured	0.00	0.00
007 With significant increase in Credit Risk	0.00	0.00
008 Credit impaired	0.00	0.00
009	0.00	0.00
010 Employees(Including accrued interest)	0.00	0.00
011 Secured	88,826,614.86	65,262,467.66
012 Unsecured	52,850,462.76	50,972,318.15
013 With significant increase in Credit Risk	0.00	0.00
014 Credit impaired	0.00	0.00
015 Less : Employee Loans Discounting	0.00	0.00
016 Secured	22,890,525.75	16,324,246.82
017 Unsecured	7,628,133.65	9,917,031.49
018 Loan to State Government in settlement of dues from customers (Unsecured)	0.00	0.00
019 Others	0.00	0.00
020 Secured	0.00	0.00
021 Unsecured	0.00	0.00
022 With significant increase in Credit Risk	0.00	0.00
023 Credit impaired	0.00	0.00
024 Less: Allowance for credit impaired loans	0.00	0.00
025 <b>Sub Total</b>	<b>111,158,418.22</b>	<b>89,993,507.50</b>
026	0.00	0.00
027 <b>Total</b>	<b>111,158,418.22</b>	<b>89,993,507.50</b>
028	0.00	0.00
029	0.00	0.00
030 <b>Due from Directors and Officers of the Company</b>	<b>0.00</b>	<b>0.00</b>
031 Directors	0.00	0.00
032 Officers	0.00	0.00
033	<b>0.00</b>	<b>0.00</b>
034 <b>Loans to related parties include:</b>	<b>0.00</b>	<b>0.00</b>
035 i)Key management personel	0.00	0.00
036 ii)Subsidiary companies	0.00	0.00
037 iii)Joint Venture companies	0.00	0.00
038 iv)Others	0.00	0.00
039	<b>0.00</b>	<b>0.00</b>
054 Other loans represent loans given to	0.00	0.00
055 a) APIIC	0.00	0.00
060	0.00	0.00
061 RPD	0.00	0.00
062 i)Key management personel	0.00	0.00
063 ii)Subsidiary companies	0.00	0.00
064 iii)Joint Venture companies	0.00	0.00
065 iv)Others	0.00	0.00



A Maharatna Company

**BARH THERMAL POWER PROJECT  
NOTE NO. 9 TO THE FS-NCA-LOANS**

**( Amount in ₹ )**

As at	31.03.2021	31.03.2020
066 Total	0.00	0.00

*Vitendra*



A Maharatna Company

BARH THERMAL POWER PROJECT

NOTE NO. 10 TO THE FS-NCA-OTHER FINANCIAL ASSETS

( Amount in ₹ )

As at	31.03.2021	31.03.2020
001 Other Financial Assets (non current)	0.00	0.00
002	0.00	0.00
003 Share application money pending allotment in (Subsidiary Companies) :	0.00	0.00
004 NTPC Electric Supply Company Ltd.	0.00	0.00
005 NTPC Vidyut Vyapar Nigam Ltd.	0.00	0.00
006 Nabinagar Power Generating Company Ltd.	0.00	0.00
007 Kanti Bijlee Utpadan Nigam Ltd.	0.00	0.00
008 Bhartiya Rail Bijlee Company Ltd.	0.00	0.00
009 Patratu Vidyut Utpadan Nigam Ltd.	0.00	0.00
010 NTPC Mining Limited	0.00	0.00
011 THDC Ltd.	0.00	0.00
012 NEEPCO Ltd	0.00	0.00
013	0.00	0.00
014 Total	0.00	0.00
015 Share application money pending allotment (Joint Venture)	0.00	0.00
016 Utility Powertech Ltd.	0.00	0.00
017 NTPC GE Power Services Pvt.Ltd.	0.00	0.00
018 NTPC-SAIL Power Company Ltd.	0.00	0.00
019 NTPC-Tamil Nadu Energy Company Ltd.	0.00	0.00
020 Ratnagiri Gas & Power Private Ltd.	0.00	0.00
021 Aravali Power Company Private Ltd.	0.00	0.00
022	0.00	0.00
023 NTPC BHEL Power Projects Private Ltd.	0.00	0.00
024 Meja Urja Nigam Private Limited	0.00	0.00
025 BF-NTPC Energy Systems Ltd.	0.00	0.00
026 Anushakti Vidhyut Nigam Ltd.	0.00	0.00
027 Nabinagar Power Generating Company Ltd.	0.00	0.00
028 Energy Efficiency Services Ltd.	0.00	0.00
029 National High Power Test Labortory Private Ltd.	0.00	0.00
030	0.00	0.00
031 CIL NTPC Urja Private Ltd.	0.00	0.00
032 Trincomalee Power Company Ltd.	0.00	0.00
033 Hindustan Urvarak & Rasayan Limited	0.00	0.00
034 Bangladesh-India Friendship Power Company Private Ltd.	0.00	0.00
035 Sub Total	0.00	0.00
036	0.00	0.00
037 Claims Recoverable	0.00	0.00
038 Finance Lease Recoverable	0.00	0.00
039 Mine Closure Deposit	0.00	0.00
041 Total	0.00	0.00

*Vijendra*





A Maharatna Company

BARH THERMAL POWER PROJECT

NOTE NO. 11 TO THE FS-NCA-OTHER NON-CURRENT ASSETS

(Amount in ₹)

As at	31.03.2021	31.03.2020
001 Other Non-current Assets	0.00	0.00
002	0.00	0.00
003 CAPITAL ADVANCES	0.00	0.00
004 Secured	14,036,722.00	14,036,722.00
005 Unsecured	0.00	0.00
006 Covered by Bank Guarantee	903,690,175.10	869,653,239.19
007 Others	689,607,980.93	528,780,102.94
008 Considered doubtful	0.00	0.00
009 Less: Allowance for bad & doubtful advances	0.00	0.00
010 Sub-Total	<b>1,607,334,878.03</b>	<b>1,412,470,064.13</b>
011	0.00	0.00
012 Advances other than capital advances	0.00	0.00
013 Security deposits	0.00	0.00
019 Advances to Related parties	0.00	0.00
022 Advances to Contractors & Suppliers	0.00	0.00
023 Secured	0.00	0.00
024 Unsecured	6,646,519,362.00	6,646,519,362.00
025 Considered Doubtful	0.00	0.00
026 Less: Allowance for bad & doubtful advances	0.00	0.00
027 Sub Total	<b>6,646,519,362.00</b>	<b>6,646,519,362.00</b>
028 Receivable from MCP Escrow A/c	0.00	0.00
039 Advance tax & tax deducted at source	1,197,901.57	303,767.00
040 Less:- Provision for current tax	0.00	0.00
041	0.00	0.00
042 Sub Total	<b>1,197,901.57</b>	<b>303,767.00</b>
043 Deferred Payroll Expenses (Secured)	18,114,908.67	13,461,958.22
044 Deferred Payroll Expenses (Unsecured)	5,467,470.67	7,548,103.57
045 Sub Total	<b>23,582,379.34</b>	<b>21,010,061.79</b>
046 Deferred Foreign Currency Fluctuation Asset	1,153,938,000.00	1,360,324,000.00
048 Total	<b>9,432,572,520.94</b>	<b>9,440,627,254.92</b>
049	0.00	0.00
050	0.00	0.00
061 Advances include amount due from the following Private Companies in which Directors of the Company are also Directors in such Companies	0.00	0.00
063	0.00	0.00
064 NTPC GE Power Services Pvt.Ltd.	0.00	0.00
065	0.00	0.00
066 Ratnagiri Gas & Power Private Ltd.	0.00	0.00
067 Aravali Power Company Private Ltd.	0.00	0.00
068 NTPC-SCCL Global Ventures Private Ltd.	0.00	0.00
069 NTPC BHEL Power Projects Private Ltd.	0.00	0.00
070 Meja Urja Nigam Private Limited	0.00	0.00
071 Nabinagar Power Generating Company Ltd.	0.00	0.00
072 National High Power Test Laboratory Private Ltd.	0.00	0.00
074 CIL NTPC Urja Private Ltd.	0.00	0.00
076	0.00	0.00

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*S. Jindal*



A Maharatna Company

**BARH THERMAL POWER PROJECT**

**NOTE NO. 11 TO THE FS-NCA-OTHER NON-CURRENT ASSETS**

**( Amount in ₹ )**

As at	31.03.2021	31.03.2020
077 <b>Related Party (Adv)</b>	<b>0.00</b>	<b>0.00</b>
078 Key Management personnel	0.00	0.00
079 Subsidiary companies	0.00	0.00
080 Joint Venture companies	0.00	0.00
081 Contractors	0.00	0.00
082 Others	0.00	0.00
084	0.00	0.00
085 <b>Total</b>	<b>0.00</b>	<b>0.00</b>

*Vitendera*

**BARH THERMAL POWER PROJECT****NOTE NO. 12 TO THE FS-CA-INVENTORIES**

A Maharatna Company

**( Amount in ₹ )**

As at	31.03.2021	31.03.2020
001 <b>INVENTORIES</b>	<b>0.00</b>	<b>0.00</b>
002	<b>0.00</b>	<b>0.00</b>
003 Coal	1,333,262,530.54	3,597,628,710.00
004 Fuel oil	67,187,841.99	149,714,069.47
005 Naphtha	0.00	0.00
006 Stores and spares	1,946,002,405.09	1,794,169,044.14
007 Chemicals & consumables	31,735,324.58	50,064,038.94
008 Loose tools	1,894,595.64	2,378,542.23
009 Steel Scrap	29,723,299.97	29,103,708.72
010 Others*	223,247,002.28	191,853,574.86
011 <b>Sub Total</b>	<b>3,633,053,000.09</b>	<b>5,814,911,688.36</b>
012 Less: Provision for shortages	189,858,860.00	24,271,520.00
013 Less: Provision for obsolete/ unservicable/dimuniton in value of surplus inventory	0.00	0.00
014	0.00	0.00
015 <b>Total</b>	<b>3,443,194,140.09</b>	<b>5,790,640,168.36</b>
016 <b>Inventories include material in transit</b>	<b>0.00</b>	<b>0.00</b>
017 Coal	171,851,314.06	145,371,576.28
018 Fuel oil	0.00	151,527.51
019 Naphtha	0.00	0.00
020 Stores and spares	40,430,622.17	14,747,332.31
021 Chemicals & consumables	398,867.05	279,560.45
022 Loose tools	0.00	0.00
023 Others	6,273.24	6,273.24
024	<b>0.00</b>	<b>0.00</b>
025 Inventory items other than steel scrap have been valued considering Note 1.	0.00	0.00



A Maharatna Company

BARH THERMAL POWER PROJECT

NOTE NO. 13 TO THE FS-CA-INVESTMENTS

( Amount in ₹ )

As at	No. of shares	Face value	31.03.2021	31.03.2020
001	<b>CURRENT INVESTMENTS</b>		<b>0.00</b>	<b>0.00</b>
002	<b>(Valuation as per Note 1)</b>		<b>0.00</b>	<b>0.00</b>
003			0.00	0.00
033	Investment in Mutual Funds (Details as under)		0.00	0.00
034	SBI-Magnum Insta Cash Fund-DDR		0.00	0.00
035	SBI Premier Liquid Fund Super-IP-DDR		0.00	0.00
036	SBI-SHF Ultra Short Term Fund-IP-DDR		0.00	0.00
037	UTI Money Market- IP-Direct-Growth		0.00	0.00
038	IDBI-Liquid plan- Direct-Growth		0.00	0.00
039	Canara Robeco Liquid Fund Super-IP-DDR		0.00	0.00
040	Canara Robeco Treasury Advantage Fund Super-IP-DDR		0.00	0.00
041	IDBI Liquid Fund-DDR		0.00	0.00
042	SBI Premier Liquid fund-Direct DDR (Ash Fund)		0.00	0.00
043	UTI Liquid CashPlan - IP - DDR (Ash Funds)		0.00	0.00
044	IDBI Liquid Fund - DDR - (Ash Funds)		0.00	0.00
045	Baroda Liquid Fund - Direct - Growth		0.00	0.00
046	<b>Sub Total</b>		<b>0.00</b>	<b>0.00</b>
047			<b>0.00</b>	<b>0.00</b>
052	<b>Unquoted Investments</b>		<b>0.00</b>	<b>0.00</b>
054			0.00	0.00
066	<b>TOTAL</b>		<b>0.00</b>	<b>0.00</b>
067			0.00	0.00

*V. K. Sarda*



A Maharatna Company

BARH THERMAL POWER PROJECT

NOTE NO. 14 TO THE FS-CA-TRADE RECEIVABLES

( Amount in ₹ )

As at	31.03.2021	31.03.2020
001 <b>TRADE RECEIVABLES (current)*</b>	<b>0.00</b>	<b>0.00</b>
002	0.00	0.00
003 Secured, Considered Good	0.00	0.00
004 Unsecured , considered good	0.00	0.00
005 Credit impaired	0.00	0.00
006 <b>Sub-Total</b>	<b>0.00</b>	<b>0.00</b>
007 <b>Total</b>	<b>0.00</b>	<b>0.00</b>
008 Less: Allowance for credit impaired receivables	0.00	0.00
009 <b>Total</b>	<b>0.00</b>	<b>0.00</b>
010 Less: Discom Clearing	0.00	0.00
012 <b>Grand Total</b>	<b>0.00</b>	<b>0.00</b>
013 * After adjustment for Unbilled Revenue	0.00	0.00
014 Long-term trade receivables	0.00	0.00
015 TCS Clearing	0.00	0.00
016 Discom Clearing	0.00	0.00

*Nitendra*

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A Maharatna Company

**BARH THERMAL POWER PROJECT**

**NOTE NO. 15 TO THE FS-CA-CASH AND CASH EQUIVALENTS**

**( Amount in ₹ )**

As at	31.03.2021	31.03.2020
001 <b>CASH &amp; BANK BALANCES</b>	<b>0.00</b>	<b>0.00</b>
002 <b>Cash &amp; Cash Equivalents</b>	<b>0.00</b>	<b>0.00</b>
003 Balances with Banks	453,802.32	111,299.21
004 Cheques & Drafts on hand	0.00	0.00
005 Cash on hand	0.00	0.00
006 Others (stamps in hand)	30,583.00	39,503.00
007 Bank deposits with original maturity upto three months	0.00	0.00
008 Balances with RBI	0.00	0.00
009	0.00	0.00
010 <b>Total</b>	<b>484,385.32</b>	<b>150,802.21</b>

*V. K. S.*

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A Maharatna Company

BARH THERMAL POWER PROJECT

NOTE NO. 16 TO THE FS-CA-BANK BALANCES OTHER THAN CASH AND CASH EQUIVALENTS (Amount in ₹)

As at	31.03.2021	31.03.2020
001 <b>Other Bank Balances</b>	<b>0.00</b>	<b>0.00</b>
002 Deposits with original maturity of more than three months but not more than twelve months	0.00	0.00
003 Earmarked balances with banks*	0.00	0.00
004 <b>SubTotal</b>	<b>0.00</b>	<b>0.00</b>
005 Interest accrued on deposits	0.00	0.00
006	0.00	0.00
007 <b>Total</b>	<b>0.00</b>	<b>0.00</b>
008	0.00	0.00
009 <b>Earmarked balances with banks consist of :</b>	<b>0.00</b>	<b>0.00</b>
010 Unpaid dividend account balance	0.00	0.00
011 Towards public deposit repayment reserve	0.00	0.00
012 Towards redemption of bonds due for repayment within one year	0.00	0.00
013 Security with Government/other authorities	0.00	0.00
014 Unpaid refund/interest account balance - Tax free bonds/ Bonus Debentures	0.00	0.00
015 Earmarked for RGGVY/DDUGJY/SAUBHAGYA Fund	0.00	0.00
016 Earmarked for Flyash Utilisation Reserve Fund	0.00	0.00
017 Deposits with original maturity upto three months as per court orders	0.00	0.00
018 Payment Security Scheme of MNRE NSM (NTPC)	0.00	0.00
019 Payment Security Scheme of MNRE NSM (NVVN)	0.00	0.00
020 Enforcement Directorate of Solar Plant(NVVN)	0.00	0.00
021 Bank guarantee Fund of MNRE (NVVN)	0.00	0.00
022 Others	0.00	0.00
023	0.00	0.00
024	0.00	0.00
025	0.00	0.00
026 <b>Sub-total</b>	<b>0.00</b>	<b>0.00</b>
030 <b>Total</b>	<b>0.00</b>	<b>0.00</b>
031	0.00	0.00
032 Bank deposits with original maturity of less than three months- other than earmarked	0.00	0.00
033 Bank deposits with original maturity of more than three months but not more than twelve months- other than earmarked	0.00	0.00
034 Earmarked bank balances (current account)	0.00	0.00

*V. Jindal*

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A Maharatna Company

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 17 TO THE FS-CA-LOANS**

( Amount in ₹ )

As at	31.03.2021	31.03.2020
001 <b>Current financial assets - Loans</b>	<b>0.00</b>	<b>0.00</b>
002 <b>Loans (current)-including interest accrued</b>	<b>0.00</b>	<b>0.00</b>
004 <b>Related Parties</b>	<b>0.00</b>	<b>0.00</b>
005 Secured	0.00	0.00
006 Un-Secured	0.00	0.00
007 With significant increase in Credit Risk	0.00	0.00
008 Credit impaired	0.00	0.00
009	<b>0.00</b>	<b>0.00</b>
010 <b>Employees</b>	<b>0.00</b>	<b>0.00</b>
011 Secured	16,888,640.33	15,366,552.35
012 Unsecured	44,424,254.36	39,905,769.31
013 With significant increase in Credit Risk	0.00	0.00
014 Credit impaired	0.00	0.00
015 Less : Employee Loans Discounting	0.00	0.00
016 <b>Loan to State Government in settlement of dues from customers (Unsecured)</b>	<b>0.00</b>	<b>0.00</b>
017	0.00	0.00
018 <b>Others</b>	<b>0.00</b>	<b>0.00</b>
019 Secured	0.00	0.00
020 Unsecured	0.00	0.00
021 With significant increase in Credit Risk	0.00	0.00
022 Credit impaired	0.00	0.00
023	<b>0.00</b>	<b>0.00</b>
024 Less: Allowance for credit impaired loans	0.00	0.00
025 <b>Total (Loans)</b>	<b>61,312,894.69</b>	<b>55,272,321.66</b>
026	<b>0.00</b>	<b>0.00</b>
027 <b>Due from Directors and Officers of the Company</b>	<b>0.00</b>	<b>0.00</b>
028 Directors	0.00	0.00
029 Officers	0.00	0.00
030	<b>0.00</b>	<b>0.00</b>
031 <b>Loans to related parties include:</b>	<b>0.00</b>	<b>0.00</b>
032 i)Key management personel	0.00	0.00
033 ii)Subsidiary companies	0.00	0.00
034 KBUNL	0.00	0.00
035 RGPPL	0.00	0.00
036 NVVN	0.00	0.00
037 iii)Joint Venture companies	0.00	0.00
038 iv)others	0.00	0.00
039	0.00	0.00
059 RPD	0.00	0.00
060 i)Key management personel	0.00	0.00
061 ii)Subsidiary companies	0.00	0.00
062 iii)Joint Venture companies	0.00	0.00
063 iv)Others	0.00	0.00
064	0.00	0.00
065 <b>Total</b>	<b>0.00</b>	<b>0.00</b>





A Maharatna Company

BARH THERMAL POWER PROJECT

NOTE NO. 18 TO THE FS-CA-OTHER FINANCIAL ASSETS

( Amount in ₹ )

As at	31.03.2021	31.03.2020
001 <b>Other Financial Assets (current)</b>	0.00	0.00
002	0.00	0.00
003 <b>ADVANCES</b>	0.00	0.00
004	0.00	0.00
005 <b>Related Parties</b>	0.00	0.00
006 Secured	0.00	0.00
007 Un-Secured	-6,154,227.16	-57,804,550.75
008 Considered doubtful	0.00	0.00
009	0.00	0.00
010 <b>Employees</b>	0.00	0.00
012 Unsecured	4,727,676.64	4,507,233.00
013 Considered Doubtful	0.00	0.00
014	0.00	0.00
020 <b>Others</b>	0.00	0.00
021 Secured	0.00	0.00
022 Unsecured	0.00	0.00
023 Considered Doubtful	0.00	0.00
024	0.00	0.00
025 Less: Allowance for bad & doubtful advances	0.00	0.00
026	0.00	0.00
033 <b>Total (Advances)</b>	<b>-1,426,550.52</b>	<b>-53,297,317.75</b>
044	0.00	0.00
045 <b>Claims Recoverable</b>	0.00	0.00
046 Secured	0.00	0.00
047 Unsecured, considered good	243,541,750.00	243,584,015.69
048 Considered Doubtful	0.00	0.00
049 Less:- Allowance for doubtful claims	0.00	0.00
050 Others-Claims Recoverable	0.00	0.00
051	0.00	0.00
052 Unbilled Revenue	42,709,567.09	0.00
053 Hedging cost recoverable from beneficiaries	0.00	0.00
054 Derivative MTM Asset	0.00	0.00
055 Finance Lease Receivable	0.00	0.00
056 Mine Closure Deposit	0.00	0.00
057 <b>Other Accrued Income</b>	0.00	0.00
058 Secured, Considered Good	0.00	0.00
059 Unsecured , considered good	4,849,455.51	1,109,423.55
060 Credit impaired	0.00	0.00
061 Sub-Total	4,849,455.51	1,109,423.55
062 Less: Allowance for credit impaired receivables	0.00	0.00
063 <b>Total</b>	<b>0.00</b>	<b>0.00</b>
064	0.00	0.00
065 Others*	827,688.00	827,688.00
066 <b>Total</b>	<b>290,501,910.08</b>	<b>192,223,809.49</b>
067 * Other include amount recoverable from contractors and other parties towards hire charges, rent/electricity etc.	0.00	0.00



A Maharatna Company

BARH THERMAL POWER PROJECT

NOTE NO. 18 TO THE FS-CA-OTHER FINANCIAL ASSETS

( Amount in ₹ )

As at	31.03.2021	31.03.2020
068 <b>Advances to related parties include:</b>	<b>0.00</b>	<b>0.00</b>
069 i)Key management personnel	0.00	0.00
070 ii)Subsidiary companies	0.00	0.00
071 iii)Joint Venture companies	0.00	0.00
072 iv)Contractors	0.00	0.00
073 v)Others	0.00	0.00
074	<b>0.00</b>	<b>0.00</b>
075 Advances include amount due from the following Private Companies in which Directors of the Company are also Directors in such Companies	0.00	0.00
076	<b>0.00</b>	<b>0.00</b>
077	0.00	0.00
078 NTPC GE Power Services Pvt.Ltd.	0.00	0.00
079 Ratnagiri Gas & Power Private Ltd.	0.00	0.00
080 Aravali Power Company Private Ltd.	0.00	0.00
081 NTPC-SCCL Global Ventures Private Ltd.	0.00	0.00
082 NTPC BHEL Power Projects Private Ltd.	0.00	0.00
083 Meja Urja Nigam Private Limited	0.00	0.00
084 Nabinagar Power Generating Company Ltd.	0.00	0.00
085 National High Power Test Laboratory Private Ltd.	0.00	0.00
086 International Coal Ventures Private Ltd.	0.00	0.00
087 CIL NTPC Urja Private Ltd.	0.00	0.00
089 Bangladesh-India Friendship Power Co. Pvt.Ltd	0.00	0.00
090 TCS Clearing	0.00	0.00
091 Related Party (Adv)- Employee	0.00	0.00
092 Related Party (Adv)- Subsidiaries	0.00	0.00
093 Related Party (Adv)- Joint Ventures	0.00	0.00
094 Related Party (Adv)- Contractors	0.00	0.00
095 Related Party (Adv)- Others	-6,154,227.16	-57,804,550.75
096	0.00	0.00
097	0.00	0.00
098	0.00	0.00
099	0.00	0.00
100 <b>Total</b>	<b>-6,154,227.16</b>	<b>-57,804,550.75</b>

*Vitendra*



A Maharatna Company

**BARH THERMAL POWER PROJECT**

**NOTE NO. 19 TO THE FS-CA-OTHER CURRENT ASSETS**

( Amount in ₹ )

As at	31.03.2021	31.03.2020
001 <b>OTHER CURRENT ASSETS</b>	<b>0.00</b>	<b>0.00</b>
002 Security Deposits (Unsecured)	0.00	0.00
003 Deposit with Customs, port trust & others*	154,764,613.00	154,764,613.00
004 <b>ADVANCES</b>	<b>0.00</b>	<b>0.00</b>
005	<b>0.00</b>	<b>0.00</b>
006 <b>Related Parties</b>	<b>0.00</b>	<b>0.00</b>
007 Secured	0.00	0.00
008 Un-Secured	876,628,949.27	920,214,306.43
009 Considered doubtful	0.00	0.00
010	<b>0.00</b>	<b>0.00</b>
011 <b>Employees(including imprest)</b>	<b>0.00</b>	<b>0.00</b>
012 Secured	0.00	0.00
013 Unsecured	531,194.00	1,037,211.00
014 Considered Doubtful	0.00	0.00
015	<b>0.00</b>	<b>0.00</b>
016 <b>Contractors &amp; Suppliers</b>	<b>0.00</b>	<b>0.00</b>
017 Secured	0.00	0.00
018 Unsecured	659,053,664.81	383,906,991.28
019 Considered Doubtful	0.00	0.00
020	0.00	0.00
021 <b>Others**</b>	<b>0.00</b>	<b>0.00</b>
022 Secured	0.00	0.00
023 Unsecured	5,752,343.00	4,354,419.00
024 Considered Doubtful	0.00	0.00
025 Less: Allowance for bad & doubtful advances	0.00	0.00
026 Receivable from MCP Escrow A/c	0.00	0.00
027 Deferred Payroll Expenses (Secured)	2,307,486.00	1,921,841.39
028 Deferred Payroll Expenses (Unsecured)	3,256,301.09	3,159,177.72
029 <b>Sub-total</b>	<b>5,563,787.09</b>	<b>5,081,019.11</b>
030 <b>Interest accrued on :</b>	<b>0.00</b>	<b>0.00</b>
031 Advances to contractors	5,379,505.00	5,379,505.00
032	<b>0.00</b>	<b>0.00</b>
033 <b>Claims Recoverable</b>	<b>0.00</b>	<b>0.00</b>
034 Secured	0.00	0.00
035 Unsecured, considered good	1,826,952,332.49	2,691,702,596.25
036 Considered Doubtful	35,046,000.00	35,046,000.00
037 Less:- Allowance for doubtful claims	35,046,000.00	35,046,000.00
038	<b>0.00</b>	<b>0.00</b>
039 Deferred premium on forward exchange contract/ Option Assets	0.00	0.00
041 Assets Held for Disposal	0.00	0.00
042 Others	1,335,940.38	1,593,371.94
043	0.00	0.00
044 <b>Total (Other Current Assets)</b>	<b>3,535,962,329.04</b>	<b>4,168,034,033.01</b>
045 **Include Prepaid Expenses	5,752,343.00	4,354,419.00
046 *Includes sales tax/Entry tax/VAT deposited under protest with Sales Tax Authorities	69,554,794.40	77,038,334.40



A Maharatna Company

BARH THERMAL POWER PROJECT

NOTE NO. 19 TO THE FS-CA-OTHER CURRENT ASSETS

( Amount in ₹ )

As at	31.03.2021	31.03.2020
047 *Includes deposited with courts	0.00	0.00
048 *Includes deposited with LIC for annuity payments	0.00	0.00
049 * Includes deposits with WRD / against BG in r/o finance lease	0.00	0.00
050 Other include amount recoverable from contractors and other parties towards hire charges, rent/electricity etc.	0.00	0.00
052 <b>Advances to related parties include:</b>	<b>0.00</b>	<b>0.00</b>
053 i)Key management personel	0.00	0.00
054 ii)Subsidiary companies	0.00	0.00
055 iii)Joint Venture companies	0.00	0.00
056 Contractors	0.00	0.00
057 Others	0.00	0.00
058	0.00	0.00
059 Advances include amount due from the following Private Companies in which Directors of the Company are also Directors in such Companies	0.00	0.00
060	<b>0.00</b>	<b>0.00</b>
061	0.00	0.00
062 Related Party (Adv)- Employee	0.00	0.00
063 Related Party (Adv)- Subsidiaries	0.00	0.00
064 Related Party (Adv)- Joint Venture	0.00	0.00
065 Related Party (Adv)- Contractors	876,628,949.27	920,214,306.43
066 Related Party (Adv)- Others	0.00	0.00
067 <b>Total</b>	<b>876,628,949.27</b>	<b>920,214,306.43</b>
068	0.00	0.00

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A Maharatna Company

**BARH THERMAL POWER PROJECT**

**NOTE NO. 20 TO THE FS--REGULATORY DEFERRAL ACCOUNT DEBIT BALANCES**

**( Amount in ₹ )**

As at	31.03.2021	31.03.2020
001 On account of Exchange Differences	-1,090,804,162.64	-1,085,165,519.14
002 On account of employee benefit exp	128,798,366.00	128,798,366.00
003 Regulatory deferred account - deferred	0.00	0.00
004 Deferred asset for ash transportation	0.00	0.00
005 Deferred asset for Arbitration Award	0.00	0.00
006 <b>Total</b>	<b>-962,005,796.64</b>	<b>-956,367,153.14</b>



A Maharatna Company

BARH THERMAL POWER PROJECT

NOTE NO. 21 TO THE FS-EQUITY-EQUITY SHARE CAPITAL

( Amount in ₹ )

As at	31.03.2021	31.03.2020
001 <b>SHARE CAPITAL</b>	<b>0.00</b>	<b>0.00</b>
002 <b>Equity Share Capital</b>	<b>0.00</b>	<b>0.00</b>
003 <b>Authorised</b>	<b>0.00</b>	<b>0.00</b>
004 10,000,000,000 equity shares of Rs.10/- each (Previous year 10,000,000,000 eq shares of Rs.10/- each)	0.00	0.00
005 <b>Issued,Subscribed and fully Paid-up</b>	<b>0.00</b>	<b>0.00</b>
006 9,69,66,66,134 equity shares of Rs.10/- (Pv. Year 9,894,557,280 equity shares of Rs.10/- each)	0.00	0.00
007	<b>0.00</b>	<b>0.00</b>
008 <b>Total</b>	<b>0.00</b>	<b>0.00</b>
009 During FY 2018-19, the company has issued 1,649,092,880 equity shares of Rs.10/- each as fully paid bonus shares	0.00	0.00
010 The holders of the equity shares are entitled to receive dividends as declared from time to time, and are entitled to one vote per share at meetings of the company.	0.00	0.00
011 Details of shareholders holding more than 5% shares in the company	0.00	0.00
012 - President of India	0.00	0.00
013 No. of Shares	0.00	0.00
014 % of holding	0.00	0.00
015 - Life Insurance Corporation of India/ICICI Prudential Mutual Fund	0.00	0.00
016 No. of Shares	0.00	0.00
017 % of holding	0.00	0.00

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A Maharatna Company

BARH THERMAL POWER PROJECT  
NOTE NO. 22 TO THE FS-EQUITY-OTHER EQUITY

( Amount in ₹ )

As at	31.03.2021	31.03.2020
001 RESERVE AND SURPLUS	0.00	0.00
002	<b>0.00</b>	<b>0.00</b>
003 <b>Capital Reserve</b>	<b>0.00</b>	<b>0.00</b>
004 As per last financial statements	0.00	0.00
006 Add : Grants received during the year	0.00	0.00
007 Add: Transfer from Surplus	0.00	0.00
008 Less: Write back during the year/period	0.00	0.00
009 Less: Adjustments during the year/period	0.00	0.00
010 <b>Sub-Total</b>	<b>0.00</b>	<b>0.00</b>
011 <b>Securities Premium Account</b>	<b>0.00</b>	<b>0.00</b>
012 As per last financial statements	0.00	0.00
013 Add: Additions during the year/period	0.00	0.00
014 Less: Adjustments during the year/period	0.00	0.00
015 <b>Sub-Total</b>	<b>0.00</b>	<b>0.00</b>
016 <b>Bonds Redemption Reserve</b>	<b>0.00</b>	<b>0.00</b>
017 As per last financial statements	0.00	0.00
018 Add: Transfer from Surplus	0.00	0.00
019 Less: Transfer to surplus on redemption	0.00	0.00
020 Less: Adjustments during the year/ period	0.00	0.00
021 <b>Sub-Total</b>	<b>0.00</b>	<b>0.00</b>
022 <b>Capital Redemption Reserve</b>	<b>0.00</b>	<b>0.00</b>
023 As per last financial statements	0.00	0.00
024 Add: Transfer from Surplus	0.00	0.00
025 Less: Transfer to surplus on redemption	0.00	0.00
026 Less: Adjustments during the year/ period	0.00	0.00
027 <b>Sub-Total</b>	<b>0.00</b>	<b>0.00</b>
028 <b>Share Application money Allotment</b>	<b>0.00</b>	<b>0.00</b>
029 As per last financial statements	0.00	0.00
030 Add: Addition during the year	0.00	0.00
031 Less: Utilised for allotment during the year	0.00	0.00
032 Less: Adjustments during the year/ period	0.00	0.00
033 <b>Sub-Total</b>	<b>0.00</b>	<b>0.00</b>
034 <b>Fly-ash utilisation reserve Fund</b>	<b>0.00</b>	<b>0.00</b>
035 As per last financial statements	57,790,621.89	28,039,078.00
036 Transferred to CC	0.00	0.00
037 Add:Transfer from revenue from operations	34,416,548.98	29,751,543.89
038 Add:Transfer from other income	0.00	0.00
039 Less: Utilised during the year	0.00	0.00
040 Tangible assets	0.00	0.00
041 Employee benefit expenses	0.00	0.00
042 Generation,adm. and other expenses	0.00	0.00
043 Tax Expenses	0.00	0.00
044 <b>Sub-Total</b>	<b>92,207,170.87</b>	<b>57,790,621.89</b>
045 <b>Special allowance Reserve Fund</b>	<b>0.00</b>	<b>0.00</b>
046 As per last financial statements	0.00	0.00
047 Add: Addition during the year	0.00	0.00

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A Maharatna Company

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 22 TO THE FS-EQUITY-OTHER EQUITY**

( Amount in ₹ )

As at	31.03.2021	31.03.2020
048 Less: Utilised for allotment during the year	0.00	0.00
049 Less: Adjustments during the year/ period	0.00	0.00
050 <b>SUB-TOTAL</b>	<b>0.00</b>	<b>0.00</b>
053 <b>Corporate social responsibility (CSR) reserve</b>	<b>0.00</b>	<b>0.00</b>
054 As per last financial statements	0.00	0.00
055 Add : Transfer from surplus	0.00	0.00
056 Less:-Write back during the year	0.00	0.00
057 <b>Sub-Total</b>	<b>0.00</b>	<b>0.00</b>
058 <b>General Reserve</b>	<b>0.00</b>	<b>0.00</b>
059 As per last financial statements	0.00	0.00
060 Add: Transfer from Surplus	0.00	0.00
061 Less: Transfer to Surplus	0.00	0.00
062 Less: Write back during the year /period	0.00	0.00
063 Less: Adjustments during the year /period	0.00	0.00
064 <b>Sub-Total</b>	<b>0.00</b>	<b>0.00</b>
065	<b>0.00</b>	<b>0.00</b>
066 <b>Retained earnings</b>	<b>0.00</b>	<b>0.00</b>
067 As per last financial statements	12,571,450,853.51	9,700,134,275.15
068 Add(Less):-Changes in accounting policy / prior period errors	0.00	0.00
069 Add(Less):-Profit (Loss) after tax for the year from Statement of Profit & Loss	3,976,419,095.76	2,871,316,578.36
070	0.00	0.00
071 Add: Write back from Bond Redemption Reserve	0.00	0.00
072 Add: Write back from Capital Reserve	0.00	0.00
073 Add: Write back from Foreign Project Reserve	0.00	0.00
074 Add: Write back from CSR Reserve	0.00	0.00
075 Add: Write back from General Reserve	0.00	0.00
076 Less: Transfer to Bonds Redemption Reserve	0.00	0.00
077 Less: Transfer to Special Allowance Reserve Fund	0.00	0.00
078 Less: Transfer to Foreign Project Reserve	0.00	0.00
080 Less:Transfer to Capital Reserve	0.00	0.00
081 Less:Transfer to CSR Reserve	0.00	0.00
082 Less:Transfer to General Reserve	0.00	0.00
083 Less:Interim Dividend Paid	0.00	0.00
084 Less:Tax on Interim Dividend Paid	0.00	0.00
085 Less:Final Dividend Paid	0.00	0.00
086 Less:Tax on Final Dividend Paid	0.00	0.00
087 Less: Issue of bonus debenture	0.00	0.00
088 Less: Tax on issue of bonus debenture	0.00	0.00
089 <b>Sub-Total</b>	<b>16,547,869,949.27</b>	<b>12,571,450,853.51</b>
090	0.00	0.00
091 <b>Remeasurement of defined benefit plans</b>	<b>0.00</b>	<b>0.00</b>
092 As per last financial statements	-82,923,715.77	-52,712,899.99
093 Add/(Less):- Actuarial Gains/loss through OCI	-14,716,099.33	-30,210,815.78
094 <b>Sub-Total</b>	<b>-97,639,815.10</b>	<b>-82,923,715.77</b>
095	0.00	0.00

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**BARH THERMAL POWER PROJECT**  
**NOTE NO. 22 TO THE FS-EQUITY-OTHER EQUITY**

As at		31.03.2021	31.03.2020
096	<b>FVTOCI Reserve</b>	<b>0.00</b>	<b>0.00</b>
097	As per last financial statements	0.00	0.00
098	Add(Less):-Net gain/loss of equity instruments through OCI	0.00	0.00
099	<b>Sub-Total</b>	<b>0.00</b>	<b>0.00</b>
100		<b>0.00</b>	<b>0.00</b>
101	<b>Total Other equity</b>	<b>16,542,437,305.04</b>	<b>12,546,317,759.63</b>
102		0.00	0.00

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A Maharatna Company

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 23 TO THE FS-NCL-BORROWINGS**

(Amount in ₹)

As at	31.03.2021	31.03.2020
001 <b>LONG TERM BORROWINGS</b>	<b>0.00</b>	<b>0.00</b>
002 <b>Bonds</b>	<b>0.00</b>	<b>0.00</b>
003 <b>Secured</b>	<b>0.00</b>	<b>0.00</b>
004 7.37 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2035 (Fifty Sixth Issue - Public Issue - Series 3A).	0.00	0.00
005 7.62 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2035 (Fifty Sixth Issue - Public Issue - Series 3 B).	0.00	0.00
006 8.61% Tax free secured non-cumulative non-convertible redeemable bonds of ₹ 10,00,000/- each redeemable at par in full on 4th March 2034 (Fifty First Issue C - Private Placement)	0.00	0.00
007 8.66% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2033 ( Fiftieth Issue - Public Issue - Series 3A)	0.00	0.00
008 8.91% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2033 ( Fiftieth Issue - Public Issue - Series 3B)	0.00	0.00
009 7.37% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 14th December 2031 (Sixty Sixth Issue - Private Placement)	0.00	0.00
010 7.49% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 7th November 2031 (Sixty Fourth Issue - Private Placement)	0.00	0.00
011 7.28 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2030 (Fifty Sixth Issue - Public Issue - Series	0.00	0.00

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A Maharatna Company

BARH THERMAL POWER PROJECT  
NOTE NO. 23 TO THE FS-NCL-BORROWINGS

(Amount in ₹)

As at	31.03.2021	31.03.2020
2A)		
012 7.53 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2030 (Fifty Sixth Issue - Public Issue - Series 2 B).	0.00	0.00
013 7.32% Secured non-cumulative non-convertible redeemable taxable bonds of Rs 10,00,000/- each redeemable at par in full on 17 July 2029 (Sixty Ninth Issue - Private Placement)	0.00	0.00
014 8.63% Tax free secured non-cumulative non-convertible redeemable bonds of ₹ 10,00,000/- each redeemable at par in full on 4th March 2029 (Fifty First Issue B - Private Placement)	0.00	0.00
015 8.30% Secured non-cumulative non-convertible redeemable taxable bonds of Rs 10,00,000/- each redeemable at par in full on 15 January 2029 (Sixty Seventh Issue - Private Placement)	0.00	0.00
016 8.48% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2028 ( Fiftieth Issue - Public Issue - Series 2A)	0.00	0.00
017 8.73% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2028 ( Fiftieth Issue - Public Issue - Series 2B)	0.00	0.00
018 7.47% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 16th September 2026 (Sixty Third Issue - Private Placement)	0.00	0.00
019 7.58% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in	0.00	0.00

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**BARH THERMAL POWER PROJECT  
NOTE NO. 23 TO THE FS-NCL-BORROWINGS****( Amount in ₹ )**

As at	31.03.2021	31.03.2020
full on 23rd August 2026 (Sixty Second Issue - Private Placement)		
020 8.05% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 5th May 2026 (Sixtieth Issue - Private Placement)	0.00	0.00
021 8.19% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 15th December 2025 (Fifty Seventh Issue - Private Placement)	0.00	0.00
022 7.11 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2025 (Fifty Sixth Issue - Public Issue - Series 1A).	0.00	0.00
023 7.36 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2025 (Fifty Sixth Issue - Public Issue - Series 1 B).	0.00	0.00
024 7.15% Tax free secured non-cumulative non-convertible redeemable bonds - 2015 of Rs. 10,00,000/- each redeemable at par in full on 21st August 2025 (Fifty Fifth Issue - Private Placement)	0.00	0.00
025 9.17% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 22nd September 2024 (53rd Issue - private placement).	0.00	0.00
026 9.34% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each redeemable at par in full on 24th March 2024 (Fifty Second Issue - private placement)	0.00	0.00
027 8.19% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 10,00,000/- each redeemable at	0.00	0.00

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BARH THERMAL POWER PROJECT  
NOTE NO. 23 TO THE FS-NCL-BORROWINGS

(Amount in ₹)  
31.03.2021 31.03.2020

As at	31.03.2021	31.03.2020
par in full on 4th March 2024 (Fifty First Issue A - Private Placement)		
028 8.41% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2023 ( Fiftieth Issue - Public Issue - Series 1A)	0.00	0.00
029 8.66% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2023 ( Fiftieth Issue - Public Issue - Series 1B)	0.00	0.00
030 9.25% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each with five equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 11th year and in annual installments thereafter upto the end of 15th year respectively commencing from 4th May 2023 and ending on 4th May 2027 (Forty fourth issue - private placement)VII	0.00	0.00
031 8.48% Secured non-cumulative non-nonvertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 1st May 2023 (Seventeenth issue - private placement)I	0.00	0.00
032 8.80% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each redeemable at par in full on 4th April 2023 (Forty ninth issue -private placement	0.00	0.00
033 8.49% Secured non-cumulative non-convertible redeemable taxable fully paid-up bonus debentures of Rs. 12.50 each redeemable at par in three annual installments of Rs. 2.50, Rs. 5.00 and Rs. 5.00 at the end of 8th year, 9th year and 10th year on 25th March 2023, 25th March 2024 and 25th March 2025 respectively (Fifty Fourth Issue -Bonus Debentures)X - (refer Note 5 d)	0.00	0.00
034 8.73% Secured non-cumulative	0.00	0.00

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A Maharatna Company

BARH THERMAL POWER PROJECT  
NOTE NO. 23 TO THE FS-NCL-BORROWINGS

(Amount in ₹)

As at	31.03.2021	31.03.2020
non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 07th March 2023 (Forty eighth issue - private placement)		
035 9.00% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each with five equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 11th year and in annual installments thereafter upto the end of 15th year respectively commencing from 25th January 2023 and ending on 25th January 2027 (Forty second issue- private placement)III	0.00	0.00
036 8.84% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each redeemable at par in full on 4th October 2022 (Forty seventh issue- private placement)VII	0.00	0.00
037 7.93% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 03 May 2022 (68th Issue - Private Placement)	0.00	0.00
038 6.72% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 24th November 2021 (Sixty Fifth Issue - Private Placement)	0.00	0.00
039 8.10% Secured Non-Cumulative Non-Convertible Redeemable Taxable Bonds of Rs. 30,00,000/- each redeemable at par in three equal separately transferable redeemable principal parts (STRPP) at the end of 5th year, 10th year & 15th year on 27th May 2021, 27th May 2026 and 27th May 2031 respectively (Sixty First Issue- Private Placement)	0.00	0.00
040 8.33% Secured non-cumulative non-convertible redeemable taxable bonds of Rs.10,00,000/- each redeemable at par in full on 24th February 2021	0.00	0.00

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A Maharatna Company

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 23 TO THE FS-NCL-BORROWINGS**

(Amount in ₹)

As at	31.03.2021	31.03.2020
(Fifty Ninth Issue - Private Placement),		
042 8.93% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 19th January 2021 (Thirty seventh issue - private placement)III	0.00	0.00
043 8.18% Secured non-cumulative non-convertible redeemable taxable bonds of Rs.10,00,000/- each redeemable at par in full on 31st December 2020 (Fifty Eight Issue - Private Placement),	0.00	0.00
044 8.73 % Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 31st March 2020 (Thirty third issue- private placement)III	0.00	0.00
045 8.78 % Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 9th March 2020 (Thirty first issue- private placement)III	0.00	0.00
046 11.25% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in five equal annual installments commencing from 6th Nov 2019 and ending on 6th Nov 2023 (Twenty seventh issue - private placement)III	0.00	0.00
047 7.89% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 5th May 2019 (Thirtieth issue - private placement)III	0.00	0.00
048 8.65% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each redeemable at par in full on 4th February 2019 (Twenty ninth issue - private placement)III	0.00	0.00
049 7.50% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full	0.00	0.00



A Maharatna Company

BARH THERMAL POWER PROJECT  
NOTE NO. 23 TO THE FS-NCL-BORROWINGS

(Amount in ₹)

As at	31.03.2021	31.03.2020
on 12th January 2019 (Nineteenth issue - private placement)II		
050 11% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 21st November 2018 (Twenty eighth issue - private placement)III	0.00	0.00
051 9.3473% Secured non-cumulative non-convertible redeemable taxable bonds of ₹15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 20th July 2018 and ending on 20th July 2032 (Forty sixth issue - private placement)VII	0.00	0.00
052 9.4376% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 16th May 2018 and ending on 16th May 2032 (Forty fifth issue - private placement)VII	0.00	0.00
053 8.00% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 10th April 2018 (Sixteenth issue -private placement)I	0.00	0.00
054 9.2573% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 2nd March 2018 and ending on 2nd March 2032 (Forty third issue - private placement)III	0.00	0.00
055 9.6713% Secured non-cumulative non-convertible redeemable taxable bonds	0.00	0.00

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A Maharatna Company

BARH THERMAL POWER PROJECT

NOTE NO. 23 TO THE FS-NCL-BORROWINGS

(Amount in ₹)

As at	31.03.2021	31.03.2020
of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 23rd December 2017 and ending on 23rd December 2031 (Forty first issue - private placement)III		
056 9.558% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 29th July 2017 and ending on 29th July 2031(Fortieth issue-private placement)III	0.00	0.00
057 9.3896% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 9th June 2017 and ending on 9th June 2031(Thirty ninth issue-private placement)III	0.00	0.00
058 9.17% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 22nd March 2017 and ending on 22nd March 2031(Thirty eighth issue-private placement)III	0.00	0.00
059 8.8086% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th	0.00	0.00



A Maharatna Company

BARH THERMAL POWER PROJECT  
NOTE NO. 23 TO THE FS-NCL-BORROWINGS

(Amount in ₹)

As at	31.03.2021	31.03.2020
year and in annual installments thereafter upto the end of 20th year respectively commencing from 15th December 2016 and ending on 15th December 2030 (Thirty sixth issue - private placement)III		
060 8.785% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 15th September 2016 and ending on 15th September 2030 (Thirty fifth issue - private placement)III	0.00	0.00
061 8.71% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 10th June 2016 and ending on 10th June 2030 (Thirty fourth issue - private placement)III	0.00	0.00
062 8.8493% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 25th March 2016 and ending on 25th March 2030 (Thirty second issue - private placement)III	0.00	0.00
063 9.37% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 70,00,000/- each with fourteen separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 4th June 2012 and ending on 4th December 2018 (Twenty fifth issue -	0.00	0.00



A Maharatna Company

BARH THERMAL POWER PROJECT  
NOTE NO. 23 TO THE FS-NCL-BORROWINGS

(Amount in ₹)

As at	31.03.2021	31.03.2020
private placement)III		
065 9.06% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 70,00,000/- each with fourteen separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 4th June 2012 and ending on 4th December 2018 (Twenty sixth issue - private placement)III	0.00	0.00
066 8.6077% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 9th September 2011 and ending on 9th March 2021 (Twenty fourth issue - private placement)IV	0.00	0.00
067 8.3796% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 5th August 2011 and ending on 5th February 2021 (Twenty third issue - private placement)IV	0.00	0.00
068 8.1771% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 2nd July 2011 and ending on 2nd January 2021 (Twenty second issue - private placement)IV	0.00	0.00
069 7.7125% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 2nd August 2010 and ending on 2nd February 2020 (Twenty first issue - private placement)V	0.00	0.00
070 7.552% Secured non-cumulative non-convertible redeemable taxable bonds	0.00	0.00

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A Maharatna Company

BARH THERMAL POWER PROJECT

NOTE NO. 23 TO THE FS-NCL-BORROWINGS

(Amount in ₹)

As at	31.03.2021	31.03.2020
of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 23rd September 2009 and ending on 23rd March 2019 (Twentieth issue - private placement)VI		
071 9.55% Secured non-cumulative non-convertible taxable redeemable bonds of ₹ 10,00,000/- each with ten equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of the 6th year and in annual installments thereafter upto the end of 15th year respectively from 30th April 2002 (Thirteenth issue - Part B - private placement)VIII	0.00	0.00
072 9.55% Secured non-cumulative non-convertible taxable redeemable bonds of ₹ 10,00,000/- each redeemable at par in ten equal annual installments commencing from the end of 6th year and upto the end of 15th year respectively from 18th April 2002 (Thirteenth issue -Part A - private placement)VIII	0.00	0.00
073	0.00	0.00
074	0.00	0.00
075	0.00	0.00
076	0.00	0.00
077 <b>Sub Total</b>	<b>0.00</b>	<b>0.00</b>
078 <b>Unsecured</b>	<b>0.00</b>	<b>0.00</b>
079 6.55% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 17 April 2023 (Seventieth Issue - Private Placement)	0.00	0.00
080 6.29% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 11 April 2031 (Seventy First Issue - Private Placement)	0.00	0.00
081 5.45% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 15 October 2025 (Seventy Second Issue - Private Placement)	0.00	0.00



A Maharatna Company

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 23 TO THE FS-NCL-BORROWINGS**

(Amount in ₹)

As at	31.03.2021	31.03.2020
082 6.43% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 27 January 2031 (Seventy Third Issue - Private Placement)	0.00	0.00
083	0.00	0.00
084	0.00	0.00
085	0.00	0.00
086 <b>Sub-total</b>	<b>0.00</b>	<b>0.00</b>
087 <b>Total</b>	<b>0.00</b>	<b>0.00</b>
088 <b>Foreign Currency Notes-Unsecured</b>	<b>0.00</b>	<b>0.00</b>
089 4.50% Fixed Rate Notes Due for repayment on 19th March 2028	0.00	0.00
090 2.75% Fixed rate notes due for repayment on 1st February 2027	0.00	0.00
091 4.25 % Fixed rate notes due for repayment on 26th February 2026	0.00	0.00
092 4.375% Fixed Rate Note due for repayment on 26th November 2024	0.00	0.00
093 4.75 % Fixed Rate Notes due for repayment on 3rd Oct 2022	0.00	0.00
094 7.25 % Fixed green global INR denominated bonds due on 3 May 2022	0.00	0.00
095 7.375 % Fixed green global INR denominated bonds due on 10 August 2021	0.00	0.00
096 5.625% Fixed Rate Notes due for repayment on 14th July 2021	0.00	0.00
097 3.75 % Fixed rate notes due for repayment on 03 April 2024	0.00	0.00
098	0.00	0.00
099	0.00	0.00
100	0.00	0.00
101	0.00	0.00
102 <b>Sub Total</b>	<b>0.00</b>	<b>0.00</b>
103 Long term maturities of Finance Lease Obligations (Secured) IX	0.00	0.00
104 Long term maturities of Finance Lease Obligations (Unsecured) X	0.00	0.00
105 <b>Term Loans</b>	<b>0.00</b>	<b>0.00</b>
106 <b>From Banks</b>	<b>0.00</b>	<b>0.00</b>
107 <b>Secured</b>	<b>0.00</b>	<b>0.00</b>
108 Rupee Loans	0.00	0.00
109 <b>Unsecured</b>	<b>0.00</b>	<b>0.00</b>
110 Foreign Currency Loans	0.00	0.00
111 Rupee Loans	0.00	0.00
112 <b>From Others</b>	<b>0.00</b>	<b>0.00</b>
113 <b>Secured</b>	<b>0.00</b>	<b>0.00</b>
114 Rupee Loans	0.00	0.00

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**BARH THERMAL POWER PROJECT**  
**NOTE NO. 23 TO THE FS-NCL-BORROWINGS**

( Amount in ₹ )

As at	31.03.2021	31.03.2020
115 Foreign Currency loans (guaranteed by GOI)	0.00	0.00
116 <b>Unsecured</b>	<b>0.00</b>	<b>0.00</b>
117 Foreign Currency loans (guaranteed by GOI)	0.00	0.00
118 Other Foreign currency loans	0.00	0.00
119 Rupee Loans	0.00	0.00
120 <b>Deposits</b>	<b>0.00</b>	<b>0.00</b>
121 <b>Unsecured</b>	<b>0.00</b>	<b>0.00</b>
122 Fixed Deposits	0.00	0.00
123 <b>Others</b>	<b>0.00</b>	<b>0.00</b>
124 <b>Unsecured</b>	<b>0.00</b>	<b>0.00</b>
125 Bonds Application Money Pending Allotment	0.00	0.00
126 <b>Sub-total</b>	<b>0.00</b>	<b>0.00</b>
127 <b>Total</b>	<b>0.00</b>	<b>0.00</b>
128	<b>0.00</b>	<b>0.00</b>
129 Less:- Interst accrued but not due on borrowings	0.00	0.00
130 Less:- Current maturities of long term borrowings	0.00	0.00
131 Bonds-Secured	0.00	0.00
132 Fixed Rate Notes	0.00	0.00
133 Foreign currency loans from Banks- unsecured	0.00	0.00
134 Rupee loans from banks- Secured	0.00	0.00
135 Rupee loans from banks- unsecured	0.00	0.00
136 Rupee Term loan from Others - Secured	0.00	0.00
137 Foreign currency loans from others- unsecured (Guaranteed by GOI)	0.00	0.00
138 Other foreign currency loans from others- unsecured	0.00	0.00
139 Rupee loans from others- unsecured	0.00	0.00
140 Finance Lease obligations - secured	0.00	0.00
141 Finance Lease obligations - unsecured	0.00	0.00
200 <b>Total</b>	<b>0.00</b>	<b>0.00</b>



A Maharatna Company

BARH THERMAL POWER PROJECT  
NOTE NO. 24 TO THE FS-NCL-TRADE PAYABLES

As at		( Amount in ₹ )	
	31.03.2021		31.03.2020
001	<b>TRADE PAYABLES(NON CURRENT)</b>	<b>0.00</b>	<b>0.00</b>
002	<b>For Goods and Services</b>	<b>0.00</b>	<b>0.00</b>
003	- Micro & Small Enterprises	0.00	0.00
004	- Others	0.00	0.00
005		0.00	0.00
006	<b>Total</b>	<b>0.00</b>	<b>0.00</b>

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A Maharatna Company

BARH THERMAL POWER PROJECT  
NOTE NO. 25 TO THE FS-NCL-OTHER FINANCIAL LIABILITIES

As at		31.03.2021	31.03.2020
001	<b>OTHER FINANCIAL LIABILITIES (NON-CURRENT)</b>	<b>0.00</b>	<b>0.00</b>
002	Payable for Capital Expenditure	0.00	0.00
003	- Micro & Small Enterprises	103,086,821.79	88,382,028.26
004	- Others	3,914,846,198.97	3,959,057,851.97
005	Others	0.00	0.00
006	Deposits from contractors and others	-3,961.32	0.00
007		0.00	0.00
008		0.00	0.00
009	<b>Total</b>	<b>4,017,929,059.44</b>	<b>4,047,439,880.23</b>

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**BARH THERMAL POWER PROJECT**  
**NOTE NO. 26 TO THE FS-NCL-PROVISIONS**

		( Amount in ₹ )	
As at	31.03.2021	31.03.2020	
001	<b>LONG TERM PROVISIONS</b>	<b>0.00</b>	<b>0.00</b>
002	<b>Provision for Employee Benefits</b>	<b>0.00</b>	<b>0.00</b>
003	Opening Balance	0.00	0.00
004	Additions/ (adjustments) during the year	0.00	0.00
005	<b>Closing Balance</b>	<b>0.00</b>	<b>0.00</b>
013		<b>0.00</b>	<b>0.00</b>
014	<b>TOTAL</b>	<b>0.00</b>	<b>0.00</b>

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A Maharatna Company  
(Amount in ₹)

**NOTE NO. 27 TO THE FS-NCL-DEFERRED TAX LIABILITIES (NET)**

As at	Open Balance on 01.04.2020	Addition	Closing Balance on 31.03.2021
001 <b>DEFERRED TAX LIABILITIES (NET)</b>			
002 Difference of book depreciation and tax depreciation	0.00	0.00	0.00
003 Less: Deferred tax assets			
004 Provisions & Other disallowances for tax purposes	0.00	0.00	0.00
005 Unabsorbed Depreciation	0.00	0.00	0.00
006 Disallowances u/s 43B of the Income Tax Act, 1961	0.00	0.00	0.00
007	0.00	0.00	0.00
008	0.00	0.00	0.00
009	0.00	0.00	0.00
010	0.00	0.00	0.00
011 MAT credit entitlement	0.00	0.00	0.00
012	0.00	0.00	0.00
013 <b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
014	0.00	0.00	0.00
015 <b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
016 Breakup of deferred tax assets	0.00	0.00	0.00
017 Provision	0.00	0.00	0.00
018 Statutory dues	0.00	0.00	0.00
019 Leave encashment	0.00	0.00	0.00
020 Others	0.00	0.00	0.00
021	0.00	0.00	0.00
022	0.00	0.00	0.00

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**BARH THERMAL POWER PROJECT**

**NOTE NO. 28 TO THE FS-NCL-OTHER NON-CURRENT LIABILITIES**

( Amount in ₹ )

As at	31.03.2021	31.03.2020
001 Other Non current Liabilities	0.00	0.00
002 Advances from customers and others	0.00	0.00
003 Deposits from contractors and others	0.00	0.00
004 Grants	0.00	0.00
005 <b>TOTAL</b>	<b>0.00</b>	<b>0.00</b>

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BARH THERMAL POWER PROJECT  
NOTE NO. 29 TO THE FS-CL-BORROWINGS

As at	31.03.2021	31.03.2020
001 <b>Short Term Borrowings</b>	<b>0.00</b>	<b>0.00</b>
002 <b>Loans repayable on demand</b>	<b>0.00</b>	<b>0.00</b>
003 <b>From Banks</b>	<b>0.00</b>	<b>0.00</b>
004 <b>Secured</b>	<b>0.00</b>	<b>0.00</b>
005 Cash Credit	0.00	0.00
006 <b>Unsecured</b>	<b>0.00</b>	<b>0.00</b>
007 Cash Credit	0.00	0.00
008 <b>Other loans-unsecured</b>	<b>0.00</b>	<b>0.00</b>
009 Commercial Papers	0.00	0.00
010 Less: Unamortised discount on Commercial Papers	0.00	0.00
011 <b>Sub-Total</b>	<b>0.00</b>	<b>0.00</b>
012 <b>TOTAL</b>	<b>0.00</b>	<b>0.00</b>

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A Maharatna Company

BARH THERMAL POWER PROJECT  
NOTE NO. 30 TO THE FS-CL-TRADE PAYABLES

As at		( Amount in ₹ )	
	31.03.2021		31.03.2020
001	<b>TRADE PAYABLES</b>	<b>0.00</b>	<b>0.00</b>
002	For Goods and Services	0.00	0.00
003	- Micro & Small Enterprises	148,538,097.49	208,009,502.56
004	- Others	2,368,138,483.99	3,680,121,636.99
005		0.00	0.00
006	<b>Total</b>	<b>2,516,676,581.48</b>	<b>3,888,131,139.55</b>
007		0.00	0.00



A Maharatna Company

BARH THERMAL POWER PROJECT  
NOTE NO. 31 TO THE FS-CL-OTHER FINANCIAL LIABILITIES

( Amount in ₹ )

As at	31.03.2021	31.03.2020
001 <b>OTHER FINANCIAL LIABILITIES (CURRENT)</b>	<b>0.00</b>	<b>0.00</b>
002 <b>Current maturity of long term borrowings</b>	<b>0.00</b>	<b>0.00</b>
003 Bonds-Secured	0.00	0.00
004 Foreign Currency Fixed Rate Notes	0.00	0.00
005 <b>From Banks</b>	<b>0.00</b>	<b>0.00</b>
006 <b>Secured</b>	<b>0.00</b>	<b>0.00</b>
007 Rupee Term Loan	0.00	0.00
008 <b>Unsecured</b>	<b>0.00</b>	<b>0.00</b>
009 Foreign currency loans	0.00	0.00
010 Rupee term loans	0.00	0.00
011 <b>From Others</b>	<b>0.00</b>	<b>0.00</b>
012 <b>Secured</b>	<b>0.00</b>	<b>0.00</b>
013 Rupee Term Loan	0.00	0.00
014 <b>Unsecured</b>	<b>0.00</b>	<b>0.00</b>
015 Foreign currency loans (Guaranteed by Government of India)	0.00	0.00
016 Other foreign currency loans	0.00	0.00
017 Rupee term loans	0.00	0.00
018 Fixed deposits	0.00	0.00
019 Sub Total	0.00	0.00
020 Current maturity of finance lease obligations (secured)	0.00	0.00
021 Current maturity of finance lease obligations (unsecured)	0.00	0.00
022 Interest accrued but not due on borrowings	0.00	0.00
023 Unpaid Dividends*	0.00	0.00
024 Unpaid matured deposits and interest accrued thereon*	0.00	0.00
025 Unpaid matured bonds and interest accrued thereon*	0.00	0.00
026 Unpaid bond refund money-Tax free bonds *	0.00	0.00
027 Book Overdraft	0.00	0.00
028 Payable to Customers	0.00	0.00
029 Liability under forward exchange contract	0.00	0.00
030 Hedging cost payable to beneficiaries	0.00	0.00
031 Derivative MTM Liability	0.00	0.00
032 <b>Payable for Capital Expenditure</b>	<b>0.00</b>	<b>0.00</b>
033 - Micro & Small Enterprises	117,816,226.56	119,631,580.11
034 - Others	17,433,904,480.76	17,165,126,486.03
035 <b>Others Payables</b>	<b>0.00</b>	<b>0.00</b>
036 Deposits from contractors and others	70,539,246.87	39,624,236.88
037 Gratuity Obligations	0.00	0.00
038 Payable to employees	7,423,525.51	9,454,720.46
039 Payable to holding company	0.00	0.00
040 Retention on A/c BG encashment (Solar)	0.00	0.00
041 Payable to Solar Payment Security Account	0.00	0.00
042 Others **	0.00	0.00
	32,191,594.31	29,253,647.00

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A Maharatna Company

BARH THERMAL POWER PROJECT

NOTE NO. 31 TO THE FS-CL-OTHER FINANCIAL LIABILITIES

( Amount in ₹ )

As at	31.03.2021	31.03.2020
043 Unspent CSR balance on ongoing Approved CSR projects	0.00	0.00
044 <b>Total</b>	<b>17,661,875,074.01</b>	<b>17,363,090,670.48</b>
045 * Represents the amounts which have not been claimed by the investor/holders of the bonds/fixed deposits. Out of the above, no amount is due for payment to Investor Education and Protection Fund.	0.00	0.00
046 ** Include Payable to Hospital and other payable.	0.00	0.00



A Maharatna Company

BARH THERMAL POWER PROJECT

NOTE NO. 32 TO THE FS-CL-OTHER CURRENT LIABILITIES

( Amount in ₹ )

As at	31.03.2021	31.03.2020
001 <b>OTHER CURRENT LIABILITIES</b>	<b>0.00</b>	<b>0.00</b>
002 Advances from customers and others	19,752,457.17	15,439,723.62
003 Deferred discount on forward exchange contract	0.00	0.00
004 Tax deducted at source and other statutory dues	63,719,442.19	109,189,362.37
005 Others	0.00	0.00
006 <b>Total</b>	<b>83,471,899.36</b>	<b>124,629,085.99</b>





A Maharatna Company

BARH THERMAL POWER PROJECT  
NOTE NO. 33 TO THE FS-CL-PROVISIONS

(Amount in ₹)

As at	31.03.2021	31.03.2020
001 <b>SHORT TERM PROVISIONS</b>	<b>0.00</b>	<b>0.00</b>
002 <b>Provision for Employee Benefits</b>	<b>0.00</b>	<b>0.00</b>
003 Opening balance	0.00	0.00
004 Additions/ (adjustments) during the year	0.00	0.00
005 <b>Closing Balance</b>	<b>0.00</b>	<b>0.00</b>
028 <b>Provisions for Obligations Incidental to Land Acquisition</b>	<b>0.00</b>	<b>0.00</b>
029 Opening balance	776,387,421.79	785,538,239.84
030 Additions during the year	0.00	0.00
031 Amounts paid during the year	16,874,645.67	9,150,818.05
032 Amounts reversed during the year	0.00	0.00
033 <b>Closing Balance</b>	<b>759,512,776.12</b>	<b>776,387,421.79</b>
035 <b>Provision for Tariff Adjustment</b>	<b>0.00</b>	<b>0.00</b>
036 Opening balance	0.00	0.00
037 Additions during the year	0.00	0.00
038 Amounts adjusted during the year	0.00	0.00
039 Amounts reversed during the year	0.00	0.00
040 <b>Closing Balance</b>	<b>0.00</b>	<b>0.00</b>
042 <b>Provision for shortage in Fixed Assets Pending Investigation &amp; Others</b>	<b>0.00</b>	<b>0.00</b>
043 Opening balance	0.00	0.00
044 Additions during the year	1,139,685.87	0.00
045 Amounts adjusted during the year	0.00	0.00
046 Amounts reversed during the year	0.00	0.00
047 <b>Closing Balance</b>	<b>1,139,685.87</b>	<b>0.00</b>
048 <b>Provision for Arbitration</b>	<b>0.00</b>	<b>0.00</b>
049 Opening balance	461,094,823.00	461,094,823.00
050 Additions during the year	459,226,475.00	0.00
051 Amounts used during the year	0.00	0.00
052 Amounts reversed during the year	0.00	0.00
053 <b>Closing Balance</b>	<b>920,321,298.00</b>	<b>461,094,823.00</b>
054 <b>Others</b>	<b>0.00</b>	<b>0.00</b>
055 Opening balance	0.00	0.00
056 Additions during the year	0.00	0.00
057 Amounts used during the year	0.00	0.00
058 Amounts reversed during the year	0.00	0.00
059 <b>Closing Balance</b>	<b>0.00</b>	<b>0.00</b>
102	0.00	0.00
103 <b>Total</b>	<b>1,680,973,759.99</b>	<b>1,237,482,244.79</b>



A Maharatna Company

BARH THERMAL POWER PROJECT

NOTE NO. 34 TO THE FS-CL-CURRENT TAX LIABILITIES (NET)

( Amount in ₹ )

As at	31.03.2021	31.03.2020
001 <b>Current liabilities - current tax liabilities (net)</b>	<b>0.00</b>	<b>0.00</b>
002 Opening balance	0.00	0.00
003 Additions during the year	0.00	0.00
004 Amounts adjusted during the year	0.00	0.00
005 Less: Set off against taxes paid	0.00	0.00
006 <b>Closing Balance</b>	<b>0.00</b>	<b>0.00</b>

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A Maharatna Company

**BARH THERMAL POWER PROJECT**

**NOTE NO. 35 TO THE FS--DEFERRED REVENUE**

( Amount in ₹ )

As at	31.03.2021	31.03.2020
001 <b>Deferred Revenue</b>	<b>0.00</b>	<b>0.00</b>
002 On account of advance against depreciation	0.00	0.00
003 On account of income from foreign currency fluctuation	1,088,266,000.00	1,336,867,000.00
004 Government grants	0.00	0.00
005	0.00	0.00
006 <b>TOTAL</b>	<b>1,088,266,000.00</b>	<b>1,336,867,000.00</b>

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A Maharatna Company

BARH THERMAL POWER PROJECT

NOTE NO. 36 TO THE FS—REGULATORY DEFERRAL ACCOUNT CREDIT BALANCES

( Amount in ₹ )

As at	31.03.2021	31.03.2020
001 Regulatory deferral account credit balances	0.00	0.00
002 Exchange Differences	0.00	0.00
003	0.00	0.00
004 <b>Total</b>	<b>0.00</b>	<b>0.00</b>



A Maharatna Company

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 37 TO THE FS—REVENUE FROM OPERATIONS**

( Amount in ₹ )

For the Year ended	31.03.2021	31.03.2020
001 <b>REVENUE FROM OPERATIONS</b>		
002 <b>Sales</b>	<b>0.00</b>	<b>0.00</b>
003 Energy Sales (including Electricity Duty)	38,181,341,441.09	35,713,538,092.00
004 Less : Advance against depreciation deferred (net)	0.00	0.00
005 Add: Revenue recognized out of advance against depreciation	0.00	0.00
006 Add : Exchange fluctuation receivable from customers	-66,266,000.00	-240,986,000.00
007 Sale of energy through trading	0.00	0.00
008 Commission (NVVN)	0.00	0.00
009 <b>Sub total</b>	<b>0.00</b>	<b>0.00</b>
010 Less: Rebate to customers	<b>38,115,075,441.09</b>	<b>35,472,552,092.00</b>
011 <b>Energy Sales (Total)</b>	<b>708,609,233.00</b>	<b>334,077,877.00</b>
012 <b>Consulancy, project management and supervision fees</b>	<b>37,406,466,208.09</b>	<b>35,138,474,215.00</b>
013 Lease rentals on assets on Operating lease	0.00	0.00
014 Sale of Captive Coal	0.00	0.00
015 Intra Company Elimination	0.00	0.00
017 <b>Sub-total</b>	<b>0.00</b>	<b>0.00</b>
018 <b>Total - Sales</b>	<b>37,406,466,208.09</b>	<b>35,138,474,215.00</b>
019 Sale of fly ash/ash products	34,416,548.98	29,751,543.89
020 Less: Transferred to fly ash utilisation reserve fund	-34,416,548.98	-29,751,543.89
021 <b>Sub-total</b>	<b>0.00</b>	<b>0.00</b>
022 <b>Other Operating Income</b>	<b>0.00</b>	<b>0.00</b>
023 Interest from customers	0.00	0.00
024 Energy Internally Consumed *	20,906,518.52	106,365,289.98
025 Interest income on Assets under finance lease	0.00	0.00
026 Recognized from deferred revenue - government grant	0.00	0.00
027 Provision written back- Tariff Adjustment	0.00	0.00
028 Income form Trading of ESCerts	0.00	0.00
029 Income from E-Mobility Business & others	0.00	0.00
030	0.00	0.00
031 <b>Total</b>	<b>0.00</b>	<b>0.00</b>
040 * Valued at variable cost of generation and corresponding amount included in power charges ( Note No. 42)	<b>37,427,372,726.61</b>	<b>35,244,839,504.98</b>
041 Excise duty on sale of flyash, cenosphere & ash products	0.00	0.00
042 Energy sales of principal nature (NVVN)	0.00	0.00
043 Energy sales of agency nature (NVVN)	0.00	0.00



A Maharatna Company

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 38 TO THE FS--OTHER INCOME**

For the Year ended		31.03.2021	31.03.2020
001	<b>OTHER INCOME</b>		
002	Interest from	0.00	0.00
004	Financial assets at amortised cost	0.00	0.00
005	Government Securities (8.5% Tax Free Bonds issued by the State Governments)	0.00	0.00
006	Other Bonds	0.00	0.00
007		0.00	0.00
008	Interest from Government of India Securities-Non-Trade	0.00	0.00
009	Less: Amortiation of premium	0.00	0.00
010	<b>Sub Total</b>	<b>0.00</b>	<b>0.00</b>
011	Interest from others	0.00	0.00
012	Loan to State Government in settlement of dues from customers	0.00	0.00
013	Loan to Subsidiary Companies	0.00	0.00
014	Loan to Employees	14,220,499.43	16,359,997.84
015	Deposit with banks	0.00	0.00
016	Foreign Banks	0.00	0.00
017	Interest from Contractors	2,333,053.00	3,345,634.00
018	Interest from Income Tax Refunds	0.00	0.00
019	Less : Refundable to Customers	0.00	0.00
020	<b>Sub Total</b>	<b>0.00</b>	<b>0.00</b>
021	Deposits with banks-flyash utilisation reserve fund	0.00	0.00
022	Less: transferred to flyash utilisation reserve fund	0.00	0.00
023	<b>Sub Total</b>	<b>0.00</b>	<b>0.00</b>
024	Deposits with banks- DDUGJY funds	0.00	0.00
025	Interest from Contractors- DDUGJY funds	0.00	0.00
026	Transfer to DDUGJY-Advance from customers	0.00	0.00
027	Sub-total	0.00	0.00
030	Others	0.00	0.00
031		0.00	572.00
032	<b>Dividend from</b>	0.00	0.00
033	<b>Longterm investments in</b>	0.00	0.00
034	Subsidiaries	0.00	0.00
035	Joint Ventures	0.00	0.00
036	Equity Instruments	0.00	0.00
037	<b>Current Investments in</b>	0.00	0.00
038	Mutual Funds measured at fairvalue through profit or loss	0.00	0.00
039	Current investments in mutual funds-flyash utilisation reserve fund	0.00	0.00
040	Less: transferred to flyash utilisation reserve fund	0.00	0.00
041	Lease Rent # Ash Brick Plant	0.00	0.00
042	Less: transferred to flyash utilisation reserve fund	0.00	0.00
043	Other non-operating income	0.00	0.00
044	Profit on disposal of PPE	140.00	90.00
045	Profit on redemption of GOI securities	32,712.76	1,472,548.40
		0.00	0.00

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**BARH THERMAL POWER PROJECT**  
**NOTE NO. 38 TO THE FS-OTHER INCOME**

( Amount in ₹ )

	For the Year ended	31.03.2021	31.03.2020
046	Net gain on sale of investments	0.00	0.00
047	Surcharge received from customers	201,354,452.00	83,581,986.00
048	Hire charges for equipment	2,589,049.60	4,032,398.50
049	Gain on option contract / Discount on F.ExchContract	0.00	0.00
050	Provision written back-others	0.00	0.00
051	Fair value gains/(losses) on investments in mutual funds at fair value through profit or loss	0.00	0.00
052	Interest from Solar payment security account	0.00	0.00
053	Less : Transferred to SPSA fund	0.00	0.00
054	Interest on "Retention on A/c BG encashment (Solar)"	0.00	0.00
055	Less : Transferred to "Retention on A/c BG encashment (Solar)"	0.00	0.00
056	Miscellaneous Income	27,317,209.41	23,948,715.92
057	<b>Total</b>	<b>247,847,116.20</b>	<b>132,741,942.66</b>
058	Less: Transferred to Development of Coal Mines- Note 43A	0.00	0.00
059	Less: Transferred to Expenditure during Construction period (net)- Note 43	846,902.20	738,428.85
061	Less: Others	0.00	0.00
062	<b>Total</b>	<b>247,000,214.00</b>	<b>132,003,513.81</b>
063		0.00	0.00
064	<b>Details of Miscellaneous Income</b>	<b>0.00</b>	<b>0.00</b>
065	Vehicle Hire Charges.	190,000.00	138,000.00
066	Sale of by products & residuals	0.00	0.00
067	Township recoveries(exl. Hospital Recoveries).	11,539,033.82	10,651,112.30
068	Depreciation written back	0.00	0.00
069	Sale of Scrap.	5,458,739.79	5,621,666.02
070	Receipt under loss of profit policy.	0.00	0.00
071	Receipts under MBD/Fire Policy.	0.00	0.00
072	Management development programme.	0.00	0.00
073	Management Fee - Misc (NVVN)	0.00	0.00
074	Others	10,129,435.80	7,537,937.60
075		0.00	0.00
076	<b>Total (Miscellaneous Income)</b>	<b>27,317,209.41</b>	<b>23,948,715.92</b>
077		0.00	0.00
078	<b>Details of Provision written back others</b>	<b>0.00</b>	<b>0.00</b>
079	Doubtful debts	0.00	0.00
080	Doubtful Loans, Advances and Claims	0.00	0.00
081	Doubtful Construction Advances	0.00	0.00
082	Shortage in Construction Stores	0.00	0.00
083	Shortage in Stores	0.00	0.00
084	Obsolescence in Stores	0.00	0.00
085	Unserviceable capital works	0.00	0.00
086	Other Obligation including Arbitration	0.00	0.00
087	Shortage in Fixed Assets	0.00	0.00



A Maharatna Company

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 38 TO THE FS--OTHER INCOME**

	( Amount in ₹ )	
For the Year ended	31.03.2021	31.03.2020
088 Diminution in value of Investment	0.00	0.00

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A Maharatna Company

BARH THERMAL POWER PROJECT  
NOTE NO. 38A TO THE FS--FUEL COST

For the Year ended		( Amount in ₹ )	
	31.03.2021		31.03.2020
001	<b>FUEL COST</b>		
002	Coal	0.00	0.00
003	Captive	0.00	0.00
004	Other than captive	0.00	0.00
005	Gas	21,500,797,534.31	19,894,225,481.01
006	Naptha	0.00	0.00
007	Oil	0.00	0.00
008	<b>Total</b>	<u>113,127,132.57</u>	<u>115,761,836.98</u>
009		<u><b>21,613,924,666.88</b></u>	<u><b>20,009,987,317.99</b></u>
010		0.00	0.00
		0.00	0.00



A Maharatna Company

BARH THERMAL POWER PROJECT  
NOTE NO. 39 TO THE FS--EMPLOYEE BENEFITS EXPENSE

(Amount in ₹)

For the Year ended		31.03.2021	31.03.2020
001	<b>EMPLOYEE BENEFITS EXPENSE</b>	<b>0.00</b>	<b>0.00</b>
002	Salaries and wages	1,388,257,877.89	1,367,836,559.98
003	Contribution to provident and other funds	164,678,181.69	131,593,197.41
004	Unwinding of deferred payroll expense	8,258,738.20	11,202,688.13
005	Staff welfare expenses	155,980,414.98	161,198,175.94
006	Less : Expenses transferred to Consultancy group	0.00	0.00
007		0.00	0.00
008	<b>Sub Total</b>	<b>1,717,175,212.76</b>	<b>1,671,830,621.46</b>
009	Less: Employee benefits expense allocated to fuel inventory	73,193,178.64	69,136,225.68
010	Less: Transferred/Allocated to development of coal mines	0.00	0.00
011	Less: Others	0.00	0.00
012	Less: Transferred to fly ash utilisation reserve fund	0.00	0.00
013	Less: Transferred to CSR Expenses	0.00	0.00
014	Reimbursements for employees on secondment	564,049.00	355,247.00
015	Less: Transferred to expenditure during construction period (net)- Note 43	201,833,302.45	180,871,873.05
016	<b>TOTAL</b>	<b>1,441,584,682.67</b>	<b>1,421,467,275.73</b>
017	<b>Managerial Remuneration paid/ payable to Directors included above (except for Directors fee which is included in Note 42)</b>	<b>0.00</b>	<b>0.00</b>
018	Salaries and wages	0.00	0.00
019	Contribution to provident and other funds	0.00	0.00
020	Staff welfare expenses	0.00	0.00
021	Directors fee	0.00	0.00
022		0.00	0.00
023		0.00	0.00



A Maharatna Company

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 40 TO THE FS--FINANCE COSTS**

	( Amount in ₹ )	
	31.03.2021	31.03.2020
001 <b>FINANCE COSTS</b>	<b>0.00</b>	<b>0.00</b>
002 Finance charges on financial liabilities measured at amortised cost	0.00	0.00
003 Bonds	4,842,486,356.09	4,402,424,384.70
004 Government of India Loans	0.00	0.00
005 Foreign currency term loans	255,537,086.99	565,417,966.68
006 Rupee term loans	5,206,452,894.00	6,079,435,560.00
007 Public deposits	0.00	0.00
008 Foreign currency bonds/notes	905,869,677.11	883,692,949.50
009 Cash Credit	0.00	0.00
010 Unwinding of discount on account of vendor liabilities	5,182,334.77	13,273,738.65
011 Commercial Papers	0.00	0.00
012 <b>Sub Total</b>	<b>11,215,528,348.96</b>	<b>11,944,244,599.53</b>
013 Interest on non financial items	0.00	0.00
014 <b>Other Borrowing Costs</b>	<b>0.00</b>	<b>0.00</b>
015 Bonds servicing & public deposit exp.	5,094,092.57	5,146,109.94
016 Guarantee fee	0.00	0.00
017 Management fee	0.00	0.00
018 Commit charges/exposure premium	0.00	0.00
019 Bond issue expenses	0.00	0.00
020 Legal exp on foreign currency loans	0.00	0.00
021 Foreign currency bonds/notes exp.	0.00	0.00
022 Up-front fee	0.00	0.00
023 Insurance premium on foreign currency loans	0.00	0.00
024	0.00	0.00
025 Others	0.00	0.00
026 <b>Sub Total (Other Borrowing cost)</b>	<b>5,094,092.57</b>	<b>5,146,109.94</b>
027	0.00	0.00
028 <b>Exchange differences regarded as an adjustment to borrowing costs</b>	<b>0.00</b>	<b>0.00</b>
029 <b>Sub Total</b>	<b>11,220,622,441.53</b>	<b>11,949,390,709.47</b>
030 Less: Transferred to Expenditure during construction period (net) - Note 43	7,597,813,989.45	7,797,534,905.17
031 Less: Transferred to development of coal mines- Note 43A	0.00	0.00
032	0.00	0.00
033 <b>Total</b>	<b>3,622,808,452.08</b>	<b>4,151,855,804.30</b>



A Maharatna Company

BARH THERMAL POWER PROJECT

NOTE NO. 41 TO THE FS--DEPRECIATION AND AMORTIZATION EXPENSES

For the Year ended		31.03.2021	31.03.2020
001	<b>Depreciation and amortization expenses</b>	<b>0.00</b>	<b>0.00</b>
002	On property, plant and equipment- Note 2	5,640,249,028.28	5,475,234,249.06
003	On intangible assets- Note 4	15,458.67	0.00
004	Sub-total	5,640,264,486.95	5,475,234,249.06
005	Less:	0.00	0.00
006	Allocated to fuel inventory	418,573,811.47	414,402,699.77
007	Transferred to Expenditure during Construction Period (net)- Note 43	0.00	0.00
008		0.00	0.00
009	Transferred/Allocated to development of coal mines	0.00	0.00
010	Adjustment with deferred revenue from deferred foreign currency fluctuation	108,481,000.00	44,949,000.00
011		0.00	0.00
012	<b>Total</b>	<b>5,113,209,675.48</b>	<b>5,015,882,549.29</b>

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**BARH THERMAL POWER PROJECT**  
**NOTE NO. 42 TO THE FS-OTHER EXPENSE**

		( Amount in ₹ )	
		31.03.2021	31.03.2020
001	<b>OTHER EXPENSES</b>		
002	Power charges	0.00	0.00
003	Less: Recovered from contractors & employees	249,467,798.32	129,942,782.98
004	<b>Sub-Total(Power Charges)</b>	<u>8,797,084.12</u>	<u>12,001,349.15</u>
005	Water charges	<b>240,670,714.20</b>	<b>117,941,433.83</b>
006	Stores consumed	127,195,719.55	127,544,201.33
007	Rent	65,551,339.52	63,915,376.30
008	Less: Recoveries	0.00	0.00
009	<b>Sub-Total (Rent)</b>	<u>0.00</u>	<u>0.00</u>
010	Cost of captive coal produced	<b>0.00</b>	<b>0.00</b>
011	<b>Repairs &amp; maintenance</b>	<b>0.00</b>	<b>0.00</b>
012	Buildings	41,187,667.61	37,000,986.00
013	Plant & machinery	0.00	0.00
014	Power stations	1,224,956,964.82	1,167,662,610.80
015	Construction equipment	28,320.00	5,194.00
016	Others	82,398,185.89	116,898,627.35
017	<b>Sub-total (Repairs &amp; maintenance)</b>	<u>1,348,571,138.32</u>	<u>1,321,567,418.15</u>
019	Load Dispatch Center Charges	9,268,221.00	16,419,315.00
021	Insurance	58,399,320.16	36,997,106.00
022	Interest to beneficiaries	0.00	0.00
023	Rates and taxes	20,316,482.78	23,532,987.87
024	Water cess & environment protection cess	0.00	0.00
025	Training & recruitment expenses	1,591,631.00	3,834,733.00
026	Less: Receipts	0.00	0.00
027	<b>Sub-total (Training and recruitment expenses)</b>	<u>1,591,631.00</u>	<u>3,834,733.00</u>
028	Communication expenses	22,428,726.03	20,409,473.23
029	Inland Travel	65,288,526.63	78,579,472.33
030	Foreign Travel	156,812.00	1,708,520.74
031	Tender expenses	177,030.00	0.00
032	Less: Receipt from sale of tenders	691,947.70	486,691.00
033	<b>Sub-total (Tender expenses)</b>	<u>-514,917.70</u>	<u>-486,691.00</u>
034	Payment to auditors	0.00	0.00
035	Audit fee	0.00	0.00
036	Tax audit fee	0.00	0.00
037	Other services	0.00	0.00
038	Reimbursement of expenses	5,445.00	362,956.00
039	<b>Sub-total (Payment to Auditors)</b>	<u>5,445.00</u>	<u>362,956.00</u>
040	Advertisement and publicity	24,999.00	405,313.00
041	Electricity duty	0.00	0.00
042	Security expenses	540,716,230.25	450,181,157.34
043	Entertainment expenses	16,138,719.56	16,723,266.29
044	Expenses for guest house	13,489,435.95	11,665,138.45
045	Less: Recoveries	267,979.20	0.00
046	<b>Sub-Total (Guest house expenses)</b>	<u>13,221,456.75</u>	<u>11,665,138.45</u>
047	Education expenses	0.00	14,160.00
049	Donations	0.00	0.00



A Maharatna Company

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 42 TO THE FS--OTHER EXPENSE**

For the Year ended		( Amount in ₹ )	
	31.03.2021		31.03.2020
050	Ash utilisation & marketing expenses		
051	Directors sitting fee	10,027,893.31	2,921,717.33
053	Professional charges and consultancy fees	0.00	0.00
054	Legal expenses	1,299,351.00	885,870.19
055	EDP hire and other charges	11,724,482.00	30,359,866.00
056	Printing and stationery	1,511,611.99	1,992,610.00
057	Oil & gas exploration expenses	909,685.42	1,258,103.57
059	Hiring of vehicles	0.00	0.00
061	Reimbursement of L.C.charges on sales realisation	24,713,404.08	26,584,184.74
062		0.00	0.00
063	Cost of Hedging	0.00	0.00
064	Derivatives MTM loss/gain (Net)	1,200,600.00	0.00
065	Net loss/(gain) in foreign currency transactions & translations	0.00	0.00
		-61,500,428.17	74,960,806.63
066	Transport Vehicle running expenses		
067	Horticulture Expenses	2,108,834.72	3,435,828.96
068	Hire charges- helicopter/aircraft,	12,026,160.00	14,024,713.46
069	Hire charges of construction equipment	0.00	0.00
070	Demurrage Charges	0.00	136,880.00
072		0.00	0.00
073	Miscellaneous expenses	0.00	0.00
074	Loss on disposal/write-off of PPE	45,579,960.01	35,821,899.98
075	<b>Sub-Total</b>	<b>37,626,328.81</b>	<b>131,984,264.88</b>
076	Less: Other expenses allocated to fuel inventory	<b>2,616,258,447.22</b>	<b>2,615,682,083.60</b>
077	Less: Transferred/Allocated to development of coal mines	360,908,996.09	345,413,762.03
		0.00	0.00
078	Less: Transferred to fly ash utilisation reserve fund	10,027,893.31	2,921,717.33
079	Less: Hedging cost Net recoverable/payable from/to beneficiaries	0.00	0.00
080	Less: Others	0.00	0.00
081	Less: Transferred to CSR Expenses	0.00	0.00
082	Less: Transferred to Expenditure during Construction period(net)-Note 43	492,349,379.90	314,617,241.50
083	<b>Net (Generation, Administration and Other expenses)</b>	<b>1,752,972,177.92</b>	<b>1,952,729,362.74</b>
084	Corporate Social Responsibility Expenses		
085	Less: Grants-in-aid	2,637,851.31	1,878,938.28
086	<b>Sub-total (Corporate Social Responsibility Expenses)</b>	<b>0.00</b>	<b>0.00</b>
		<b>2,637,851.31</b>	<b>1,878,938.28</b>
087	<b>Provisions</b>		
088	Doubtful Debts	0.00	0.00
089	Doubtful loans, advances and claims	0.00	0.00
090	Doubtful Construction Advances	0.00	0.00
091	Shortage in stores	0.00	0.00
092	Obsolete/Diminution in the value of surplus stores	158,190,687.00	24,271,520.00
093	Shortage in construction stores	0.00	0.00
094	Diminution in value of long term investments	2,010,465.00	5,590,290.00
		0.00	0.00

BARH THERMAL POWER PROJECT  
NOTE NO. 42 TO THE FS--OTHER EXPENSE

For the Year ended		( Amount in ₹ )	
	31.03.2021		31.03.2020
095	Shortage in Fixed assets	1,139,685.87	0.00
096	Unfinished minimum work progress from oil & gas exploration	0.00	0.00
097	Unserviceable capital works		0.00
098	Tariff Adjustment	0.00	0.00
099	Others :	106,978,000.00	38,086,000.00
100	(i) Provision for arbitration cases	0.00	0.00
101	(ii) Other provisions	0.00	0.00
102	<b>Total (Provisions)</b>	<b>0.00</b>	<b>0.00</b>
103		<b>268,318,837.87</b>	<b>67,947,810.00</b>
104	<b>Total</b>	<b>0.00</b>	<b>0.00</b>
105		<b>2,023,928,867.10</b>	<b>2,022,556,111.02</b>
106	<b>Breakup of miscellaneous expenses.</b>	0.00	0.00
109	Hire charges of office equipment	0.00	0.00
111	Operating expenses of construction equipment	0.00	0.00
112	Operating expenses of D.G. sets	3,446,932.45	4,336,349.87
113	Furnishing expenses	0.00	0.00
114	Subscription to trade and other associations.	1,006,776.99	325,782.14
116	Visa and entry permit charges	0.00	0.00
117	Tree plantation exp.-NTPC Land	0.00	0.00
118	Research & development expenses .	14,516,435.22	12,917,649.00
119	Less : Grants received for Research & development expenses.	0.00	0.00
120	Sub-total (Research & development expenses)	0.00	0.00
121	Bank charges	0.00	0.00
122	Business Development Expenditure	1,146,890.10	933,475.42
123	Surcharge (NVVN)	0.00	0.00
124	Power Trading Expenses	0.00	0.00
125	Brokerage & commission	10,579,810.00	118,000.00
129	Books and periodicals	1,663,946.00	0.00
130	Claims/advances written off	16,408.00	65,938.60
131	Stores written off	0.00	0.00
132	Survey & Investigation expenses written off	0.00	0.00
133	Others	47,092.00	2,124,000.00
134	<b>Total</b>	<b>13,155,669.25</b>	<b>15,000,704.95</b>
135		<b>45,579,960.01</b>	<b>35,821,899.98</b>
136		0.00	0.00
137		0.00	0.00



A Maharatna Company

**BARH THERMAL POWER PROJECT**

**NOTE NO. 43 TO THE FS--EXPENDITURE DURING CONSTRUCTION PERIOD (NET)**

(Amount in ₹)

	For the Year ended 31.03.2021	31.03.2020
<b>001 EXPENDITURE DURING CONSTRUCTION PERIOD (NET)</b>	<b>0.00</b>	<b>0.00</b>
002 A. Employee benefits expense	0.00	0.00
003 Salaries and wages	168,366,140.19	152,297,933.14
004 Contribution to provident and other funds	20,906,542.93	15,577,131.15
005 Unwinding of deferred payroll expenses	0.00	0.00
006 Staff welfare expenses	12,560,619.33	12,996,808.76
007 <b>Total (A)</b>	<b>201,833,302.45</b>	<b>180,871,873.05</b>
008 <b>B. Finance Costs</b>	<b>0.00</b>	<b>0.00</b>
009 Finance charges on financial liabilities measured at amortised cost	0.00	0.00
010 Bonds		
011 Foreign currency term loans	3,909,248,260.11	3,613,385,705.96
012 Rupee term loans	151,602,620.86	431,003,707.96
013 Foreign currency bonds/notes	3,211,653,322.79	3,423,975,806.51
014 Unwinding of discount on account of vendor liabilities	313,967,628.64	309,954,992.00
015 Others	5,182,334.77	13,221,255.77
016	0.00	0.00
017 Other Borrowings Costs	0.00	0.00
018 Guarantee Commission	0.00	0.00
019 Management Fees/Arrangers Fees	0.00	0.00
020 Commitment charges/Exposure Premium	0.00	0.00
021 Legal Expenses on foreign currency loans	0.00	0.00
022 Foreign currency bonds/notes expenses	0.00	0.00
023 Foreign Credit Insurance Premium	0.00	0.00
024 Upfront Fee	0.00	0.00
025 Exchange Differences	0.00	0.00
026 Others	0.00	0.00
027 Exchange differences regarded as adjustment to interest cost	6,159,822.28	5,993,436.97
028 <b>Total (B)</b>	<b>0.00</b>	<b>0.00</b>
029	<b>7,597,813,989.45</b>	<b>7,797,534,905.17</b>
030 C. Depreciation and amortisation	0.00	0.00
031 <b>D. Generation, administration and other expenses</b>	<b>0.00</b>	<b>0.00</b>
032 Power charges		
033 Less: Recovered from contractors & employees	242,153,614.35	115,654,703.88
034 <b>Sub-total(Net power charges)</b>	<b>399,567.20</b>	<b>150,309.32</b>
035 Water charges	<b>241,754,047.15</b>	<b>115,504,394.56</b>
036 Rent	18,158,200.58	0.00
037 Repairs & maintenance	0.00	0.00
038 Buildings	0.00	0.00
039 Construction equipment	810,036.68	1,779,132.80
040 Others	0.00	0.00
041	63,517,149.21	40,000,981.91
042 Insurance	0.00	0.00
	1,045,532.53	33,422.00

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A Maharatna Company

BARH THERMAL POWER PROJECT

NOTE NO. 43 TO THE FS--EXPENDITURE DURING CONSTRUCTION PERIOD (NET)

For the Year ended		31.03.2021	31.03.2020
		( Amount in ₹ )	
043	Rates and taxes		
044	Communication expenses	3,012,249.07	4,537,623.22
045	Travelling expenses	2,452,712.88	2,026,820.47
046	Tender expenses	10,442,576.08	10,636,535.19
047	Less: Income from sale of tenders	0.00	0.00
048	<b>Sub-total (Net tender expenses)</b>	<b>0.00</b>	<b>0.00</b>
049	Advertisement and publicity	<b>0.00</b>	<b>0.00</b>
050	Security expenses	0.00	0.00
051	Entertainment expenses	140,127,367.40	115,577,819.69
052	Guest house expenses	2,503,600.97	1,003,577.01
053	Less: Receipt from guest house	0.00	0.00
054	<b>Sub-total (Net Guest House Expenses)</b>	<b>0.00</b>	<b>0.00</b>
055	Education expenses	0.00	0.00
056	Brokerage & Commission	0.00	0.00
057	Books and periodicals	0.00	0.00
058	Community development expenses	0.00	1,700.00
059	Professional charges and consultancy fee	0.00	0.00
060	Legal expenses	0.00	0.00
061	EDP Hire and other charges	6,276,962.00	22,582,851.00
062	Printing and stationery	0.00	0.00
063	Miscellaneous expenses	69,158.00	1,017.00
064	<b>Total (D)</b>	<b>2,179,787.35</b>	<b>931,366.65</b>
065	<b>Total (A+B+C+D)</b>	<b>492,349,379.90</b>	<b>314,617,241.50</b>
066	<b>E. Less: Other Income</b>	<b>8,291,996,671.80</b>	<b>8,293,024,019.72</b>
067	Interest from	0.00	0.00
068	Indian banks	0.00	0.00
069	Foreign banks	0.00	0.00
070	Others	0.00	0.00
071	Contractors	0.00	0.00
072	Hire charges	0.00	0.00
073	Sale of scrap	0.00	0.00
074	Exchange Differences	0.00	0.00
075	Miscellaneous income	0.00	0.00
076	<b>TOTAL (E)</b>	<b>846,902.20</b>	<b>738,428.85</b>
077	F. Net actuarial gain/loss OCI	<b>846,902.20</b>	<b>738,428.85</b>
078		0.00	0.00
079	<b>GRAND TOTAL (A+B+C+D-E+F)</b>	<b>0.00</b>	<b>0.00</b>
080		<b>8,291,149,769.60</b>	<b>8,292,285,590.87</b>
081	* Balance carried to Capital Work-in-progress - (Note 3)	0.00	0.00
		<b>8,291,149,769.60</b>	<b>8,292,285,590.87</b>



A Maharatna Company

**BARH THERMAL POWER PROJECT  
NOTE NO. 44-A TO THE FINANCIAL STATEMENTS**

As at	31.03.2021	31.03.2020
001 Balance sheet		
002 Freehold land for which conveyancing of the title is awaiting completion of legal formalities	0.00	0.00
003 (a) area (in acres)	0.00	0.00
004 (b) value (in rs)	51.21	51.21
005 Right-of-use land for which execution of lease deed is awaiting completion of legal formalities	79,497,948.00	79,497,948.00
006 (a) area (in acres)	0.00	0.00
007 (b) value (in rs)	3.08	3.08
008 Right-of-use land acquired on perpetual lease and accordingly not amortised	836,926.81	836,926.81
009 (a) area (in acres)	0.00	0.00
010 (b) value (in rs.)	0.00	0.00
011 Land in physical possession of the company which has not been shown in the books pending settlement of price (in acres)	32.51	32.51
012 Deposit with government authorities towards land in possession of the company included in cost of land which is subject to adjus	1,796,531,477.00	1,796,531,477.00
013 <b>Land not in possession of the company</b>		
014 (a) area (in acres)	0.00	0.00
015 -Freehold	0.00	0.00
016 -Right of Use	0.00	0.00
017 (b) value (in rs)	0.00	0.00
018 -Freehold	0.00	0.00
019 -Right of Use	0.00	0.00
020 Right-of-use buildings pending completion of legal formalities - value (in rs.)	0.00	0.00
021 Estimated amount of contracts remaining to be executed on capital account and not provided for	0.00	0.00
022 Property, plant & equipment		
023 Intangible assets	32,601,211,725.32	34,920,107,144.30
024 Details of precommissioning expenditure	0.00	0.00
025 (a) precommissioning expenses	0.00	0.00
026 (b) precommissioning income	1,219,223,472.52	284,195,481.51
027 (c) net precommissioning expenditure	36,963,295.00	0.00
028	1,182,260,177.52	284,195,481.51
029	0.00	0.00
030	0.00	0.00
031 Exchange rate variation taken to revenue during the year (with -ve sign, if favourable)	-24,374,979.21	7,082,276.62
045 Exchange rate variation capitalised during the year (with -ve sign, if favourable)	-736,145,382.79	3,145,456,073.41
047 Leases as Lessee		
048 Leases classified as Right to Use	0.00	0.00
049 A) Obligation towards Minimum Lease Payments (undiscounted )	0.00	0.00
050 3 months or less ( A )	0.00	0.00

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A Maharatna Company

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 44-A TO THE FINANCIAL STATEMENTS**

As at		( Amount in ₹ )	
	31.03.2021		31.03.2020
051	3-12 Months ( B )		
052	1-2 Years ( C )	0.00	0.00
053	2-5 Years ( D )	0.00	0.00
054	More than 5 Years ( E )	0.00	0.00
055	<b>Total (A+B+C+D+E)</b>	<b>0.00</b>	<b>0.00</b>
056	Opening Balance of Lease Liabilities (A)	0.00	0.00
057	- Additions in lease liabilities (B)	0.00	0.00
058	- Interest cost during the year ( C )	0.00	0.00
059	- Payment of lease liabilities (D)	0.00	0.00
060	<b>Closing Balance of Lease Liabilities (A+B+C-D)</b>	<b>0.00</b>	<b>0.00</b>
061	Current Lease Liabilities	0.00	0.00
062	Non Current Lease Liabilities	0.00	0.00
063	Depreciation and amortisation expense for right-of-use assets	0.00	2,213,837.49
064	Short Term Leases		
065	A) Rent	0.00	0.00
066	Company lease accomodation - executives	0.00	0.00
067	Company lease accomodation - directors	344,156.76	431,587.40
068	Others	0.00	0.00
069	<b>Total</b>	<b>0.00</b>	<b>0.00</b>
070	Cash Outflow from Leases	<b>344,156.76</b>	<b>431,587.40</b>
071	B) (i) receipts from sub-lease of office buildings	0.00	431,587.40
072	(ii) receipts from sub-lease of helicopter	0.00	0.00
073	<b>Leases as Lessor</b>	<b>0.00</b>	<b>0.00</b>
074	<b>Finance Leases</b>	<b>0.00</b>	<b>0.00</b>
075	Finance Income on Net Investment in Lease	0.00	0.00
076	Income Related to Variable Lease Payments	0.00	0.00
077		0.00	0.00
078	<b>Undiscounted Lease payments to be received</b>	<b>0.00</b>	<b>0.00</b>
079	Less than one year (A)	0.00	0.00
080	Between one and two years ( B )	0.00	0.00
081	Between two and three years ( C )	0.00	0.00
082	Between three and four years ( D )	0.00	0.00
083	Between four and five years ( E )	0.00	0.00
084	More than five years ( F )	0.00	0.00
085	<b>Total minimum lease payments (A+B+C+D+E+F)</b>	<b>0.00</b>	<b>0.00</b>
086	Less amounts representing unearned finance income	0.00	0.00
087	Present value of minimum lease payments	0.00	0.00
088		0.00	0.00
089	<b>Operating Leases</b>	<b>0.00</b>	<b>0.00</b>
090	Lease Income	0.00	0.00
091	Income Related to Variable Lease Payments	0.00	0.00
092		0.00	0.00
093	<b>Undiscounted Lease payments to be received</b>	<b>0.00</b>	<b>0.00</b>
094	Less than one year (A)	0.00	0.00
		0.00	0.00

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A Maharatna Company

**BARH THERMAL POWER PROJECT  
NOTE NO. 44-A TO THE FINANCIAL STATEMENTS**

As at	31.03.2021	31.03.2020
095 Between one and two years ( B )	0.00	0.00
096 Between two and three years ( C )	0.00	0.00
097 Between three and four years ( D )	0.00	0.00
098 Between four and five years ( E )	0.00	0.00
099 More than five years ( F )	0.00	0.00
100 <b>Total minimum lease payments (A+B+C+D+E+F)</b>	<b>0.00</b>	<b>0.00</b>
101 Borrowing cost capitalised during the year	7,597,813,989.45	7,797,534,905.17
102 Revenue grants recognized during the year	0.00	0.00
103 Revenue expenditure on research and development	0.00	0.00
104 Capital expenditure on research and development.	0.00	0.00
105 Expenditure on sustainability development - capital	0.00	0.00
106 Expenditure on csr- capital	0.00	0.00
107 Csr amount spent during the year, yet to be paid in cash	0.00	0.00
108 Constn/acquisition of any asset	0.00	0.00
109 On purpose other than above	0.00	0.00
110	0.00	0.00
111 Disclosure under msmed act 2006.	0.00	0.00
112 (i) (a) the principal amount remaining unpaid as at year end	369,428,879.74	416,023,110.93
113 (i) (b) interest due there on remaining unpaid as at Year end	0.00	0.00
114 (ii) the amount of interest paid by the buyer in terms of section 16, along with the amounts of the payment made to the supplier	0.00	0.00
115 (iii) the amount of interest due and payable for the period of delay in making payment(which has been paid but beyond the appoin	0.00	0.00
116 (iv) the amount of interest accrued and remaining unpaid at the end of the year; and	0.00	0.00
117 (v) the amount of further interest remaining due and payable even in the succeeding years, until such date when the interest due	0.00	0.00
118 Amount of inventories recognized as an expense (including fuel)	22,193,253,274.16	20,765,924,756.56
119 Amount of inventories capitalised as overhauling assets out of 112 above	458,680.53	149,043,429.87
120 Amount capitalised as edc out of 112 above	0.00	0.00
133 Value of Imported Material Consumed during the Year	0.00	0.00
134	0.00	0.00
135 Contingent liabilities	0.00	0.00
136 A. Claims against the company not acknowledged as debts in respect of :	0.00	0.00
137 (i)Capital works	13,689,375,243.63	19,071,407,169.94
138 (ii)Land compensation cases	749,922,918.60	749,922,918.60
139 (iii)Others by state authorities towards:-	0.00	0.00

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A Maharatna Company

**BARH THERMAL POWER PROJECT**  
**NOTE NO. 44-A TO THE FINANCIAL STATEMENTS**

As at	31.03.2021	31.03.2020
140 (a) Water royalty / water charges / nala tax	0.00	0.00
141 (b) Diversion of land / building permission fees	0.00	0.00
142 (c) Other demands by state authorities	46,867,000.00	57,660,274.00
143 (iv) Others by fuel companies	0.00	0.00
144 (a) Disputes related to grade slippage-third party sampling	1,522,224,165.82	2,392,873,500.54
145 (b) Surface transportation charges on coal	128,592,051.76	128,546,247.76
146 (c) Take or pay claim - Gas stations	0.00	0.00
147 (d) Other claims by fuel companies not acknowledged as debt	0.00	0.00
149 B. Disputed tax demands		
150 (i) Income tax	0.00	0.00
151 (ii) Excise duty	1,238,660.00	1,238,660.00
152 (iii) Sales tax	0.00	0.00
153 (iv) Service tax	143,937,091.00	158,904,170.00
154 (v) Entry tax	0.00	0.00
155 C. Others	26,904,142.00	33,285,935.00
156 <b>Total</b>	<b>1,358,784.00</b>	<b>1,358,784.00</b>
157 D. Possible reimbursement on account of contingent liabilities	<b>16,310,420,056.81</b>	<b>22,595,197,659.84</b>
158 (i) Capital works	0.00	0.00
159 (ii) Land compensation cases	0.00	0.00
160 (iii) Others (by state authorities)	0.00	0.00
161	0.00	0.00
162 (iv) Others by fuel companies	0.00	0.00
163 (v) Disputed income tax demand	1,650,816,217.58	2,521,419,748.30
164 (vi) Disputed tax demands -others	0.00	0.00
165 (vii) Others	0.00	0.00
167 <b>Total</b>	<b>0.00</b>	<b>0.00</b>
168 E. AMOUNT PAID UNDER PROTEST/ADJUSTED BY AUTHORITIES - TAX CASES	<b>1,650,816,217.58</b>	<b>2,521,419,748.30</b>
169	70,793,454.40	78,276,994.40
170 F. CONTINGENT ASSETS	0.00	0.00
171	0.00	0.00
172	0.00	0.00
173	0.00	0.00
175 Previous year figures have been regrouped/rearranged wherever necessary.	0.00	0.00



A Maharatna Company

**BARH THERMAL POWER PROJECT**

**NOTE NO. 44-B TO THE FS--RPD DISCLOSURE- TRANSACTIONS DURING THE PERIOD**

( Amount in ₹ )

	For the Year ended	31.03.2021	31.03.2020
001	<b>1) Transactions during the year- subsidiaries</b>		
002	Contracts for works/services for services received by the company	0.00	0.00
003	Contracts for works/services for services provided by the company	0.00	0.00
004	Deputation of employees	0.00	0.00
005	Purchases or sales of goods	0.00	0.00
006	Purchases or sales of property and other assets	0.00	0.00
007	<b>Sub-total</b>	<b>0.00</b>	<b>0.00</b>
008			
009	Dividend received	0.00	0.00
010	Equity contributions made	0.00	0.00
011	Share application money pending allotment	0.00	0.00
012	Loans granted	0.00	0.00
013	Guarantees received	0.00	0.00
014	Guarantees provided	0.00	0.00
015	<b>Sub-total</b>	<b>0.00</b>	<b>0.00</b>
016			
017	<b>Transactions during the year- jvs</b>		
018	Contracts for works/services for services received by the company	583,936,925.87	457,952,185.98
019	Contracts for works/services for services provided by the company	0.00	0.00
020	Deputation of employees	0.00	0.00
021	Purchases or sales of goods	18,564,368.00	0.00
022	Purchases or sales of property and other assets	0.00	0.00
023	<b>Sub-total</b>	<b>602,501,293.87</b>	<b>457,952,185.98</b>
024			
025	Dividend received	0.00	0.00
026	Equity contributions made	0.00	0.00
027	Share application money pending allotment	0.00	0.00
028	Loans granted	0.00	0.00
029	Guarantees received	0.00	0.00
030	Guarantees provided	0.00	0.00
031	<b>Sub-total</b>	<b>0.00</b>	<b>0.00</b>
032	<b>Total</b>	<b>602,501,293.87</b>	<b>457,952,185.98</b>
033	<b>Transactions with post employment benefit plans</b>	<b>0.00</b>	<b>0.00</b>
034	Contributions made during the year	0.00	0.00
035	<b>Compensation to key management personnel</b>	<b>0.00</b>	<b>0.00</b>
036	Short term employee benefits	0.00	0.00
037	Post employment benefits	0.00	0.00
038	Other long term benefits	0.00	0.00
039	Termination benefits	0.00	0.00
040	Share based payments	0.00	0.00
041	<b>Sub-total</b>	<b>0.00</b>	<b>0.00</b>
042	<b>Transactions with the related parties under the</b>	<b>0.00</b>	<b>0.00</b>

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*Vitendra*



A Maharatna Company

**BARH THERMAL POWER PROJECT**

**NOTE NO. 44-B TO THE FS--RPD DISCLOSURE- TRANSACTIONS DURING THE PERIOD**

(Amount in ₹)

For the Year ended

31.03.2021

31.03.2020

**control of the same government:**

043	Coal India Ltd., And its subsidiaries- purchase of coal	9,810,631,043.00	10,148,422,936.89
044	Singareni coalfields ltd- purchase of coal		
045	<b>Bhel Ltd.</b>	0.00	0.00
046	Purchase of equipment, supply & erection services	<b>0.00</b>	<b>0.00</b>
047	Purchase of spares	603,747,581.45	63,005,952.70
048	Maintenance services	71,199,995.87	194,655,879.22
049	<b>Sub-total</b>	<b>294,588,262.18</b>	<b>91,756,560.14</b>
050	Gail (i) Ltd. Supply of natural gas	<b>969,535,839.50</b>	<b>349,418,392.06</b>
051	locl supply of oil products	0.00	0.00
052	Bpcl-supply of natural gas and oil	419,850,865.80	518,400,616.69
053	Sail-supply of steel and iron products	213,886,005.71	0.00
054	Other entities	47,180,490.81	153,534,533.89
055	Purchase of equipments & erection services	0.00	0.00
056	Purchase of spares	198,539,811.82	74,146,146.61
057	Maintenance services	11,602,715.98	23,058,033.94
058		23,515,012.80	37,529,578.22
059	<b>Total</b>	<b>0.00</b>	<b>0.00</b>
060	<b>Transaction with other</b>	<b>11,694,741,785.42</b>	<b>11,304,510,238.30</b>
061	<b>Transaction with ntpc education and research society and ntpc foundation</b>	<b>0.00</b>	<b>0.00</b>
062	- transactions during the year	<b>0.00</b>	<b>0.00</b>
063	ADDITIONAL TRANSACTIONS WITH RELATED PARTIES FOR PSU	0.00	0.00
064	<b>Compensation to key management personnel (including co secretary/ cmd and non executive directors)</b>	<b>0.00</b>	<b>0.00</b>
065	Short term employee benefits		
066	Post employment benefits	0.00	0.00
067	Other long term benefits	0.00	0.00
068	Directors sitting fee	0.00	0.00
069	Termination benefits	0.00	0.00
070	Share based payments	0.00	0.00
071	Bank guarantee received from joint venture companies	0.00	0.00
072	Additional Transactions with GAIL	0.00	0.00
073		0.00	0.00
074		0.00	0.00
075		0.00	0.00

*V. Srinivas*



A Maharatna Company

BARH THERMAL POWER PROJECT

NOTE NO. 44-C TO THE FS--RPD DISCLOSURE- OUTSTANDING BALANCES

As at	31.03.2021	31.03.2020
001 <b>Outstanding balance</b>	<b>0.00</b>	<b>0.00</b>
002 <b>Amount recoverable towards loans</b>	<b>0.00</b>	<b>0.00</b>
003 - From Subsidiaries	0.00	0.00
004 - From JVC	0.00	0.00
005 - From KMP	0.00	0.00
006 - From Others	0.00	0.00
007 Sub-total	0.00	0.00
008 <b>Amount recoverable other than loan</b>	<b>0.00</b>	<b>0.00</b>
009 - from subsidiaries	0.00	0.00
010 - from joint ventures	0.00	0.00
011 - from key managerial personnel	0.00	0.00
012 - from post employment benefit plans	0.00	0.00
013 - from others	0.00	0.00
014 Sub-total	0.00	0.00
015 <b>Amount payable</b>	<b>0.00</b>	<b>0.00</b>
016 - from subsidiaries	0.00	0.00
017 - from joint ventures	0.00	0.00
018 - from key managerial personnel	51,894,696.87	43,961,059.00
019 - from post employment benefit plans	0.00	0.00
020 - from others	0.00	0.00
021 Sub-total	0.00	0.00
022	51,894,696.87	43,961,059.00
	0.00	0.00

*Vitendra*