

Half Yearly Compliance Report

2025

01 Dec(01 Apr - 30 Sep)

Acknowledgement

Proposal Name	NTPC Ltd., Sipat Super Thermal Power Station (Stage-I, 3 x 660 MW)		
Name of Entity / Corporate Office	NTPC Ltd.,		
Village(s)	N/A		
District	BILASPUR		
Proposal No.	J.13011/10/96-IIA.II(T)	Category	Thermal Projects
Plot / Survey / Khasra No.	N/A	Sub-District	N/A
State	CHHATTISGARH	Entity's PAN	*****0255D
MoEF File No.	J.13011/10/96-IIA.II(T)	Entity name as per PAN	NTPC LIMITED

Compliance Reporting Details

Reporting Year	2025
Remarks (if any)	Compliance status of EC Stage-I letter dated 22.02.1999
Reporting Period	01 Dec(01 Apr - 30 Sep)

Details of Production and Project Area

Name of Entity / Corporate Office NTPC Ltd.,

	Project Area as per EC Granted	Actual Project Area in Possession
Private	0	938.51
Revenue Land	0	801.22
Forest	0	28.47
Others	1773.51	0
Total	1773.51	1768.2

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Electricity	MW	30/11/2030	1980	14385.87 MU - (Million KWh)	1980

Conditions

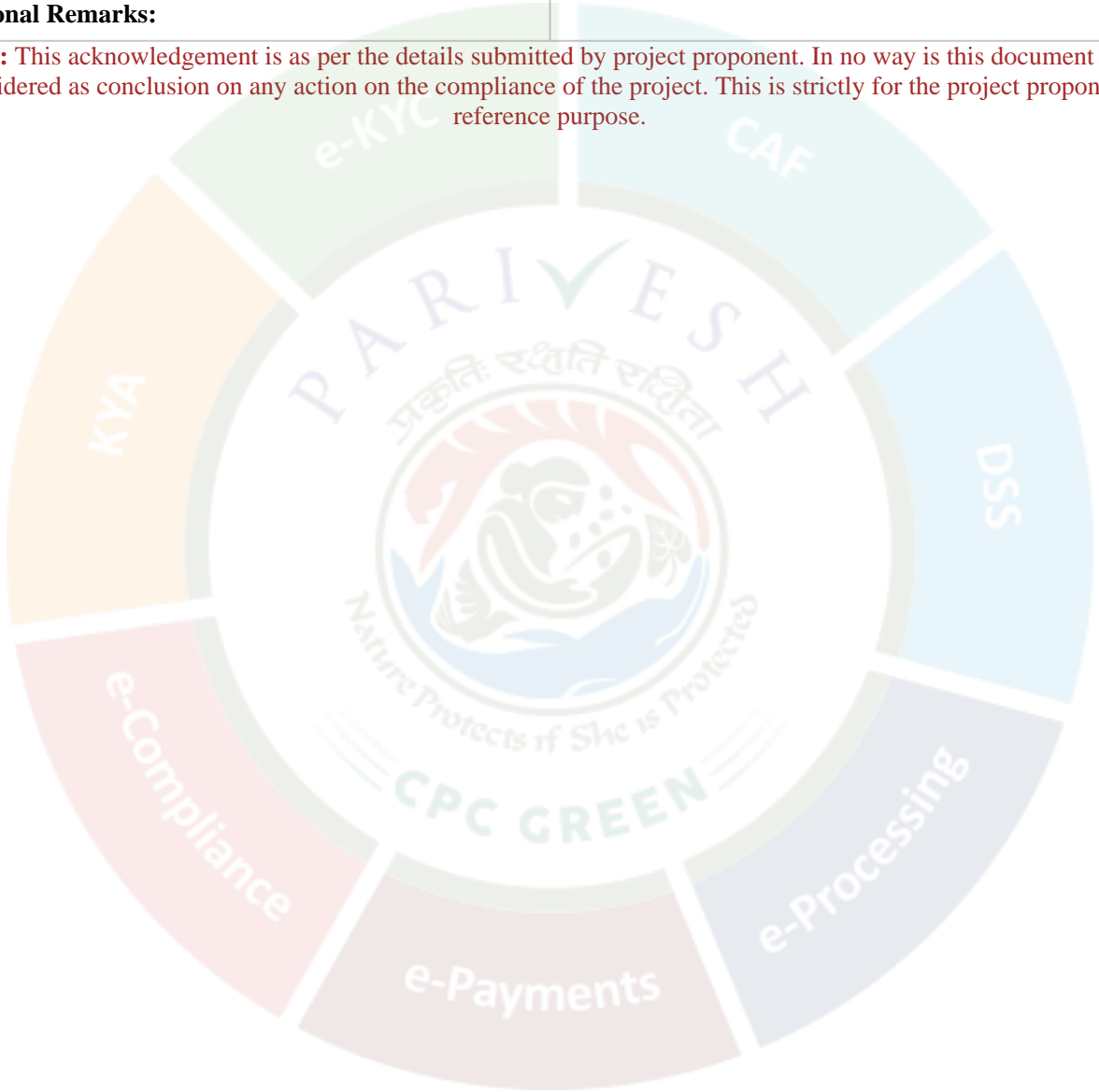
Specific Conditions

Sr.No.	Condition Type	Condition Details
1	AIR QUALITY MONITORING AND PRESERVATION	(ii) Two stacks of height 275 m with two flues in each stack and continuous monitoring facility should be installed. Exit velocity should be maintained at 23.42 m/sec as the predictions have been based on the same.
PPs Submission: Complied Two stacks of height 275 m with two flues (Unit- I and II of Stage- I) are installed in stack no 1 and one flue for Unit-III of Stage-I is installed in stack no 2. Online Continuous Monitoring System CEMS is installed in all three units of Stage1. Exit velocity more than 23.42 m/sec is being maintained.		Date: 17/11/2025
2	AIR QUALITY MONITORING AND PRESERVATION	(iii) Electrostatic Precipitator having efficiency of not less than 99.8% should be installed and it should be ensured that particulate emission would not exceed the prescribed limit of 100 mg/Nm3. Adequate space for Flue Gas Desulphurization Plant should be provided in the plant layout for its installation if required in future.
PPs Submission: Complied ESP higher than 99.9 percent efficiency are installed and particulate emission is maintained within 50 mg/Nm3. Space for Flue gas desulphurization plant has been provided in the layout for installation. Further, as per MoEF and CC notification 07.12.2015, to curb SO2 emission, FGD has been commissioned in the year 2025 in all three units of Stage-I.		Date: 17/11/2025
3	WATER QUALITY MONITORING AND PRESERVATION	(iv) Closed Circuit Cooling Device with Induced Draft should be provided and it should be ensure that only minimum water is drawn for make-up purposes.
PPs Submission: Complied Closed Circuit Cooling System with Induced Draft Cooling Towers are provided. Minimum water as per water balance diagram is drawn for makeup uses.		Date: 17/11/2025
4	Noise Monitoring & Prevention	(v) Noise level should be limited to 85 d(B)A and regular maintenance of equipments be undertaken. For people working in the area of generator halls and other noise areas, ear plugs should be provided.
PPs Submission: Complied Individual equipment has been designed with 85 dB (A) noise limits. Maintenance of equipment is carried out regularly. Ear plug/Earmuffs are provided to people working in the high noise area.		Date: 17/11/2025
5	GREENBELT	(vii) Afforestation should be undertaken covering area of 215 acres and the programme should be implemented in a phased manner. A norm of 1500-2000 trees per ha should be followed. The Afforestation plan should be submitted by 31st March 1999.
PPs Submission: Complied A detailed green belt plan including the species, density along with the map has been submitted to MOEF vide letter dated 19.08.1999. Greenbelt is developed in 218.5 acres (Approx.) In addition, NTPC Sipat is undertaking an extensive afforestation programme at project site, Township and surrounding areas. More than 4.82 Lakhs saplings have been planted so far in plant greenbelt area, ash dyke area, along MGR track, township and Make up water pump house. 3642 saplings in 2024-25 and 7049 saplings in 2025-26 have been planted in gap areas inside plant and township. Plantation also carried out under campaign.		Date: 27/11/2025
6	MISCELLANEOUS	(viii) Coal should be used @ 10 MT/ year for Stage-I with Sulphur content not exceeding 0.24%. The coal should be transported from

		Korba Coalfields by Captive MGR in closed wagons to avoid dust pollution.
PPs Submission: Complied MOEF and CC vide EC amendment letter J-13011/10/1996-IA.II (T) dated 08.09.2014 has permitted to use coal with sulphur content not exceeding 0.40 percentage. Revised condition is being complied. Moreover, FGD installation work has been completed in all three Units of Stage - I (3 x 660 MW).		Date: 17/11/2025
7	AIR QUALITY MONITORING AND PRESERVATION	(xii) Keeping in view the location of Sonthi Pahar Reserved Forest, additional Monitoring Station should be installed at the site to assess the ambient air quality. Monitoring should be initiated immediately to ascertain the project status and the scenario after commissioning of the project. A special study should be undertaken to ascertain impact of SO ₂ on the flora in the project impact zone particularly the forest patches.
PPs Submission: Complied Ambient Air Quality monitoring at Sonthi Pahar reserve forest is continued since inception of the plant. Work is outsourced to MoEF CC empaneled agency. SO ₂ values at Sonthi Pahar Reserve Forest is well within permissible limit stipulated for ecologically sensitive area. Study on terrestrial ecology was completed in the year 2002 and thereafter in 2016-17. The studies concluded that effect of NTPC- Sipat plant operation on Eco system is negligible.		Date: 24/11/2025
8	MISCELLANEOUS	(xiv) Details of survey report on socio-economic impact of project affected families being carried out by Indian Institute of Technology, Kanpur should be submitted to the Ministry along with details rehabilitation plan by March 1999. Option should be extended to the habitants of Kaudia village for shifting to other suitable place, if they so desire. R&R should be undertaken in consultation with the State Government and affected population
PPs Submission: Complied The detailed socio-economic report by Indian Institute of Technology, Kanpur has been submitted to MOEF vide letter dated 24.08.2000. The RAP prepared in consultation with the representatives of the affected families or State Govt. been submitted to MOEF vide letter dated 24.08.2000 and concurred by MOEF. RandR activities had been completed in Feb 2007. Copy of MoM is attached.		Date: 27/11/2025
9	WATER QUALITY MONITORING AND PRESERVATION	(xv) All effluents generated in various plant activities should be collected in the Central Effluent Treatment Plant and treated to ensure adherence to specified standards of discharge before its release in Lilagarh River. The concept of zero discharge should be adapted to a maximum possible extent.
PPs Submission: Complied The concept of Zero Liquid Discharge (ZLD) is being maintained through recycle and reuse of treated effluent. No effluent is discharged outside the plant.		Date: 24/11/2025
10	AIR QUALITY MONITORING AND PRESERVATION	(xvi) Regular monitoring for SPM, SO ₂ , NO _x around the power plant may be carried out and records maintained. A Monitoring Station should be established near Sonthi Pahar forest in NE direction of the power plant.
PPs Submission: Complied Regular monitoring of AAQ is being carried out around the plant. Ambient air quality is being monitored near Sonthi Pahar forest area since inception of plant. Records are being maintained. Copy of Stack, Ambient Air Quality, Surface Water, Ground Water and Noise monitoring report from April to September 2025 period are attached.		Date: 27/11/2025
11	MISCELLANEOUS	(ix) As per the proposal submitted for Ash Utilization, it should be

		ensured that fly ash is used in cement industry, brick making and in raising the ash dyke etc. Efforts should also be made in the area of mine filling, land development and agriculture etc. For brick making, about 50 acres of land with all infrastructure facilities should be earmarked. Full fly ash utilization should be ensured at the end of 9th year from the date of commissioning of the project.
<p>PPs Submission: Complied</p> <p>Fly ash is supplied to fly ash brick industries, Cement Industries. Pond ash is supplied in NHAI highway projects, Low lying area development. NTPC Sipat is also carrying out backfilling of Manikpur, Bishrampur and Dugga mine voids. Two fly ash brick plants of total capacity 3.2 lakhs brick per day are operational. Fly ash produced in NTPC Sipat fly ash brick plant are BIS certified. A Light Weight Aggregate pilot plant has been set up to explore a new avenue of ash utilization which may substitute natural aggregate in construction sector in future and would help in conservation of natural resources. About 19.14 acre of land area is already in use for ash based products. Further, EC exemption issued for 50 acres land condition on 24.12.2021 with the stipulation that Afforestation through Miyawaki technique shall be carried out in 10 acres of land in Bilaspur district, preferably within 10 km from plant boundary. Accordingly, NTPC Sipat has completed plantation of 32,000 plants through Miyawaki technique at Uchchbatti village. Fly ash utilization is being complied as per MoEF and CC notification dated 31.12.2021 and its amendment 30.12.2022. Ash Utilization 101.26 percent in 2023-24, 102.13 percent in FY 2024-25, 101.21percent in 2025-26 (up to 30.Sept.2025) is achieved.</p>		Date: 24/11/2025
General Conditions		
Sr.No.	Condition Type	Condition Details
1	MISCELLANEOUS	(i) All the conditions stipulated by the Madhya Pradesh State Pollution Control Board vide their letter No. 3574/TS/MPPCB/97 dated 5th March 1997 should be strictly implemented
<p>PPs Submission: Complied</p> <p>All the conditions stipulated in NOC issued by MPPCB are complied.</p>		Date: 24/11/2025
2	AIR QUALITY MONITORING AND PRESERVATION	(vi) For controlling fugitive dust, regular sprinkling of water in coal handling and other vulnerable areas of the plant should be ensured.
<p>PPs Submission: Complied</p> <p>Water sprinkling in vulnerable areas of the power plant including Coal Handling and ash dyke Area is carried out to control fugitive dust.</p>		Date: 24/11/2025
3	Human Health Environment	(x) Ash Pond design should be on similar lines to the one adopted for Talcher Super Thermal Power Project, Orissa. In the non-operative lagoon, the layer of earth / Bottom ash should be spread over the ash disposal area so that fugitive dust could be controlled. In addition, for dust suppression Sprinklers should also be provided. Special care should be taken to avoid any inconvenience to residents of Kaudia Village, which is near the ash disposal area.
<p>PPs Submission: Complied</p> <p>Ash pond design is in line with Talcher Super Thermal Power Project, Orissa. At present, all three ash ponds are operational and no lagoon is non operational. Ash disposal area is away from Kaudia village. There is no inconvenience to the residents of nearby villages. Sprinklers are provided in ash dyke area for dust suppression. Moreover, to enhance dust suppression various other initiatives are taken such as ponding, Beshram plantation, installation of rain guns, covering ash layer with tarpaulin, cow dung mulching, water sprinkling with water tankers are taken up extensively as per requirement.</p>		Date: 24/11/2025

4	Corporate Environmental Responsibility	(xi) Alignment of the water pipeline route and MGR for coal transportation should be so chosen as to avoid acquisition of forest land.
PPs Submission: Complied As per stipulation minimum forest land had been acquired. The Forest clearance (diversion of forest land) had been accorded by MOEF and CC vide letter dated 30.06.2004.		Date: 24/11/2025
5	Human Health Environment	(xiii) The impact on terrestrial ecology (flora and fauna) should be studied by properly estimating the number of trees to be felled in the project area and its impact on fauna. The felling of trees should be properly phased and project layout should be so designed as to ensure minimum felling.
PPs Submission: Complied The study had been completed. The layout of the project had been designed to ensure minimum felling of trees.		Date: 24/11/2025
6	MISCELLANEOUS	(xvii) Full cooperation should be extended to the Scientists / Officers from the Regional office of the Ministry at Bhopal / the CPCB / the SPCB who would be monitoring the compliance of environmental status. Complete set of impact assessment report and the Management Plans should be forwarded to the Regional Office for their use during monitoring.
PPs Submission: Complied Full cooperation is extended to the Ministry/CPCB/CECB officials.		Date: 24/11/2025
7	MISCELLANEOUS	2. The proposal regarding setting up of 3000 MW Sipat Super Thermal Power Project at Sipat, Bilaspur District, Madhya Pradesh has been examined from environmental angle on the basis of information submitted by the proponents. Environmental clearance is, however, accorded for 2000 MW capacity as Stage-I subject to implementation of following terms and conditions
PPs Submission: Complied MOEF vide EC amendment letter dated 30th April 2002 have accorded clearance to change in unit configuration from 4x500 MW to 3x660 MW and fuel characteristics.		Date: 24/11/2025
8	MISCELLANEOUS	3. The Ministry reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the Ministry.
PPs Submission: Complied Noted		Date: 24/11/2025
9	MISCELLANEOUS	4. In case of any deviation or alteration in the project proposed from those submitted to this Ministry for clearance, a fresh clearance should be made to the Ministry to assess the adequacy of the conditions imposed and to add additional environmental protection measures required, if any.
PPs Submission: Complied Noted		Date: 24/11/2025
10	MISCELLANEOUS	5. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environmental

	(Protection) Act, 1986, the Public Liability Insurance Act, the Impact Assessment Notification of January 1994 and its amendments.
PPs Submission: Complied Noted	Date: 24/11/2025
Visit Remarks	
Last Site Visit Report Date:	13/02/2024
Additional Remarks:	
<p>Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.</p> 	

Half Yearly Compliance Report

2025

01 Dec(01 Apr - 30 Sep)

Acknowledgement

Proposal Name		NTPC Ltd., Sipat Super Thermal Power Station, Stage-I (3 x 660 MW)	
Name of Entity / Corporate Office		NTPC Ltd.,	
Village(s)		N/A	
District		BILASPUR	
Proposal No.	J. 13011/10/96-IA.II(T)	Category	Thermal Projects
Plot / Survey / Khasra No.	N/A	Sub-District	N/A
State	CHHATTISGARH	Entity's PAN	*****0255D
MoEF File No.	J.13011/10/96-IA.II(T)	Entity name as per PAN	NTPC LIMITED

Compliance Reporting Details

Reporting Year	2025
Remarks (if any)	EC Stage I Second amendment dated 30.04.2002
Reporting Period	01 Dec(01 Apr - 30 Sep)

Details of Production and Project Area

Name of Entity / Corporate Office		NTPC Ltd.,	
	Project Area as per EC Granted	Actual Project Area in Possession	
Private	0	938.51	
Revenue Land	0	801.22	
Forest	0	28.47	
Others	1773.51	0	
Total	1773.51	1768.2	

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Electricity	MW	30/11/2030	1980	14385.87 MU - (Million KWh)	1980

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	AIR QUALITY MONITORING AND PRESERVATION	3 (i) Use of coal from Dipika Mines should be limited to 9.82 MT for Stage-I with Sulphur content not exceeding 0.36%.
PPs Submission: Complied MOEF vide EC amendment letter J-13011/10/1996- IA.II (T) dated 08.09.2014 has permitted to use coal with Sulphur content not exceeding 0.40 percent. Revised condition is being complied.		Date: 24/11/2025
2	AIR QUALITY MONITORING AND PRESERVATION	3 (ii) Since maximum concentration for SO ₂ near Sonthi Pahar is likely to be close to permissible levels for sensitive area, continuous monitoring and analysis of ambient air quality in the region should be undertaken during planning, construction and operational phase of the project.
PPs Submission: Complied AAQM is being carried out since inception of the plant. SO ₂ values are observed far below the stipulated limit prescribed for eco sensitive area. Regular monitoring and records are being maintained.		Date: 24/11/2025
3	AIR QUALITY MONITORING AND PRESERVATION	3 (iii) In the event of 98th percentile values for SO ₂ exceeding prescribed permissible limits for sensitive areas, NTPC should make provision for retrofitting of desulphurization unit for which space is to be provided in the project layout plan.
PPs Submission: Complied In line with MoEF and CC Notification dated 07.12.2015, FGD installation work has been completed in all three Units of Stage - I (3 x 660 MW).		Date: 24/11/2025

General Conditions

Sr.No.	Condition Type	Condition Details
1	MISCELLANEOUS	3 (iv) Even though entire area of 4382.44 acres is proposed to be acquired for ultimate station capacity of 3000 MW, no work on Stage-II of the project with 660 MW units should be undertaken without environmental clearance.
PPs Submission: Complied Environmental Clearance for Stage- II (2 x 500 MW) had been obtained from MOEF vide Letter No. J- 13011/5/2002. IA-II (T) dated 08.06.2004.		Date: 24/11/2025
2	MISCELLANEOUS	3 (v) As lining of ash pond is not envisaged in the design of the project due to the soil profile of the region, no earth should be removed from the proposed ash disposal area for any project activity or construction of ash dyke.
PPs Submission: Complied This condition is relaxed vide letter no. J-13011/10/1996-IA-II(T)(Pt) Dt 20.07.2006 of MOEF.		Date: 27/11/2025
3	MISCELLANEOUS	3 (vi) All the conditions stipulated vide Ministry's letter of even number dated 22nd February 1999 should be strictly implemented.
PPs Submission: Complied Compliance submitted separately.		Date:

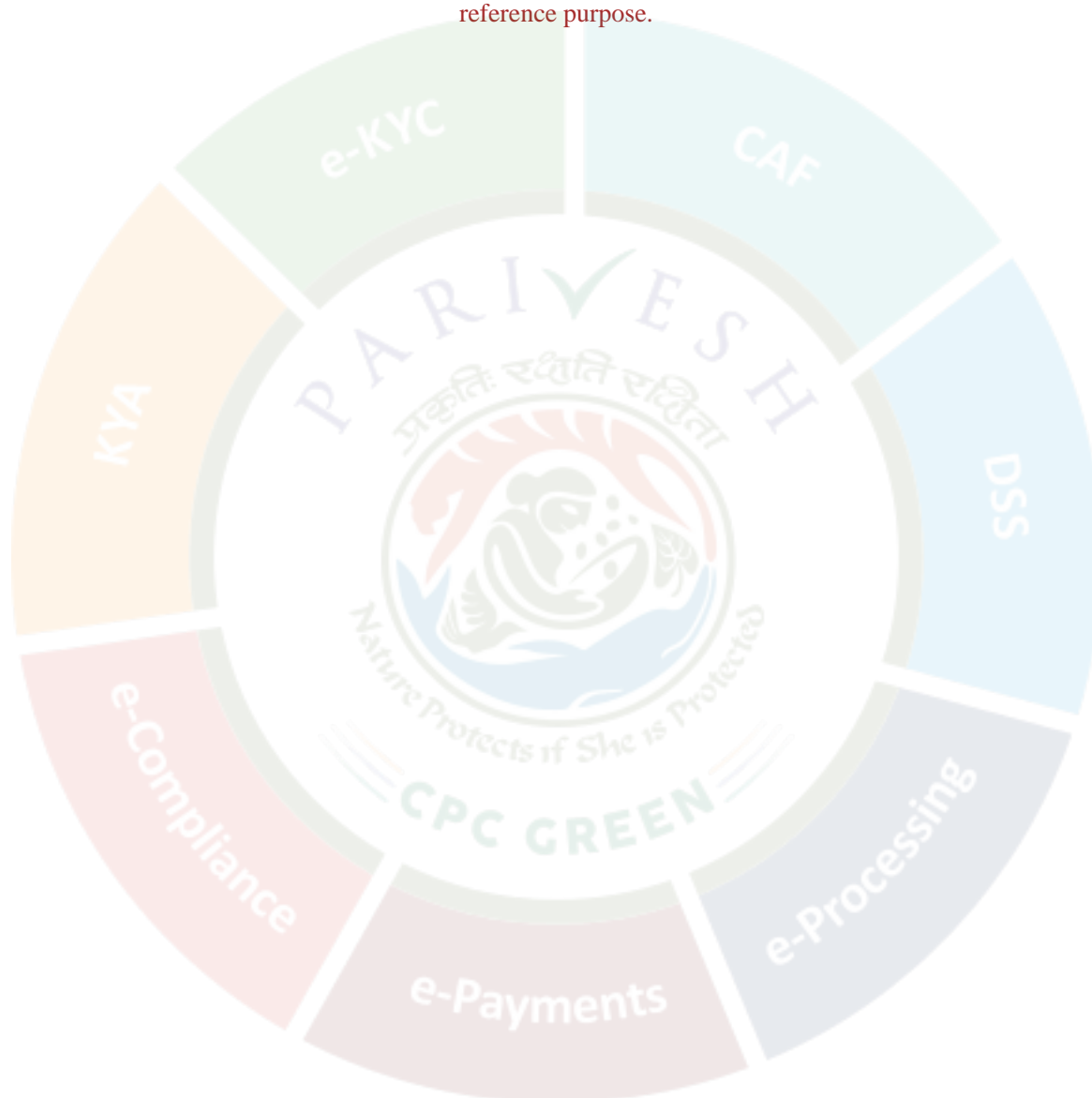
Visit Remarks

Last Site Visit Report Date:

N/A

Additional Remarks:

Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.



Half Yearly Compliance Report

2025

01 Dec(01 Apr - 30 Sep)

Acknowledgement

Proposal Name		NTPC Ltd., Sipat Super Thermal Power Station, Stage-I (3 x 660 MW)	
Name of Entity / Corporate Office		NTPC Ltd.,	
Village(s)		N/A	
District		BILASPUR	
Proposal No.	J-13011/10/1996-IA.II(T)	Category	Thermal Projects
Plot / Survey / Khasra No.	N/A	Sub-District	N/A
State	CHHATTISGARH	Entity's PAN	*****0255D
MoEF File No.	J-13011/10/1996-IA.II(T)	Entity name as per PAN	NTPC LIMITED

Compliance Reporting Details

Reporting Year	2025
Remarks (if any)	Compliance to EC conditions of Stage I EC amendment dated 08.09.2014
Reporting Period	01 Dec(01 Apr - 30 Sep)

Details of Production and Project Area

Name of Entity / Corporate Office		NTPC Ltd.,	
	Project Area as per EC Granted	Actual Project Area in Possession	
Private	0	938.512	
Revenue Land	0	801.22	
Forest	0	28.47	
Others	1773.51	0	
Total	1773.51	1768.202	

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Electricity	MW	30/11/2030	1980	15091.45 MU - (Million Kilo Watt Hour)	1980

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	Human Health Environment	3 (i) The transportation of coal shall be by rail only
PPs Submission: Complied 100 percent coal transportation is carried out through Rail only.		Date: 24/11/2025
2	Human Health Environment	3 (iii) A long term study on radioactivity and heavy metals contents on coal to be used shall be carried out through a reputed institute. Thereafter mechanism for an in-built continuous monitoring of radioactivity and heavy metals in coal and fly ash (including bottom ash) shall be put in place.
PPs Submission: Complied Comprehensive Study on radioactivity had been completed by BARC Mumbai in March 2018, and it is concluded that the radiation levels in and around the Sipat Super Thermal Power Station of NTPC Ltd., is comparable with the National average values. The naturally occurring radionuclide levels in groundwater / surface water / drinking water samples is observed well below the Atomic Energy Regulatory Board (AERB) and World Health Organization (WHO) prescribed limit / guideline values. The activity concentration of naturally occurring radionuclides in soil, food matrices, flora and fauna is comparable to the national background levels. Since, there was no technology/instruments available for in built continuous monitoring of radioactivity and heavy metals in coal and fly ash (including bottom ash). EC exemption was put up before ministry. MoEF and CC had issued exemption for this condition vide EC amendment letter 24.12.2021 with regular periodic monitoring which is being complied.		Date: 24/11/2025
3	Human Health Environment	3 (iv) Mercury emission shall also be monitored on periodic basis.
PPs Submission: Complied Mercury emission is measured monthly, and values are far below the stipulated limits.		Date: 24/11/2025
4	LAND RECLAMATION	3 (ix) Fly ash shall not be used for agriculture purpose. No mine void filling will be undertaken as an option for ash utilization without adequate lining of mine with suitable media such that no leachate shall takes place at any point of time. In case, the option of mine void filling is to be adopted, prior detail study of soil characteristics of the mine area shall be undertaken from an institute of repute and adequate clay lining shall be ascertained by the state pollution control board and implementation done in close co-ordination with the state pollution control board.
PPs Submission: Complied Vide OM Ref: F.No.22-13/2019-IA.III dated 28.08.2019, MoEF and CC, have issued fresh guidelines for use of fly ash in agriculture and in abandoned mines. Station is complying to the CPCB guidelines for reclamation of land.		Date: 24/11/2025
5	MISCELLANEOUS	(2) The matter was placed before the expert Appraisal Committee (Thermal power) in its 8th meeting held during January 9-10, 2014. In acceptance of the recommendation of the expert appraisal committee (Thermal power) and in view of the information/clarification furnished by you, with respect to the above mentioned power project, the ministry accord amendment in the said EC for sourcing coal from operating mine of SECL, with a maximum Sulphur content of 0.4% instead of sourcing from Dipika mines with Sulphur content not exceeding 0.36% and transportation of coal by

		open wagons with suitable measures instead of closed wagons, depending on the availability. However, permission for transportation of coal by open wagons is accorded only for one year with the stipulation that within one year, NTPC will come out with a plan of carrying coal in a cleaner way.
PPs Submission: Complied Coal is sourced from SECL mines which bears Sulphur content up to 0.40 percentage. NTPC Sipat had started coal transportation by tarpaulin covered wagons from Aug 2020. Photographs are attached.		Date: 29/11/2025
6	Corporate Environmental Responsibility	3 (xii) For proper and periodic monitoring CSR activities, a CSR committee or a social audit committee or a suitable credible external agency shall be appointed. CSR activities shall also be evaluated by an independent external agency. This evaluation shall be both concurrent and final.
PPs Submission: Complied Social Impact Assessment is carried out regularly after every three years. Last, it was carried out in 2022-23 by IRMA.		Date: 24/11/2025
7	Corporate Environmental Responsibility	3 (xi) CSR schemes should address Public Hearing issues and shall be undertaken based on need base assessment in and around the villages within 5 Km of the site and in constant consultation with the village Panchayat and the district administration. As part of CSR prior identification of local employable youth and eventual employment in the project after imparting relevant training shall be also undertaken. Development of fodder farm, fruit bearing orchard, vocational training etc. can form a part of such programmes. Company shall provide separate budget for community development activities and income generating programmes. Vocational training programmes for possible self-employment and jobs shall be important to identify villagers free of cost.
PPs Submission: Complied Education, Girl Empowerment, Health, infrastructure development, pond rejuvenation, skill development are part of regular CSR activities. Separate budget is kept for CSR activities every year		Date: 24/11/2025
General Conditions		
Sr.No.	Condition Type	Condition Details
1	ENERGY PRESERVATION MEASURES	3 (ii) Harnessing solar power within the premises of the plant particularly at available roof tops shall be undertaken and status of the implementation shall be submitted periodically to the regional office of the ministry.
PPs Submission: Complied Total 1333 kW roof top / ground mounted solar panels have been installed so far. Contract is awarded for 26 MW floating solar project work and work is in progress. Another 2.3 MW ground mounted Solar work order is awarded and work is going to start soon. Photographs and Work orders are enclosed herewith.		Date: 29/11/2025
2	Human Health Environment	3 (v) Fugitive emissions shall be controlled to prevent impact on agriculture or non-agriculture land.
PPs Submission: Complied Fugitive emission from ash dyke is taken care by maintaining adequate water level in the ash ponds. If any dry patch is formed due to operational constraints, following measures are taken like planting		Date: 24/11/2025

Ipoemia carnia (Besharam), installation of rain gun / sprinkler system, covering exposed ash with tarpaulin, cow dung mulching and water sprinkling with water tankers as per actual requirement.		
3	WATER QUALITY MONITORING AND PRESERVATION	3 (vi) No ground water shall be extracted for use in operation of the power plant even in lean season. No water bodies including natural drainage system in the area shall be disturbed due to activities associated with the setting up/operation of the power plant.
PPs Submission: Complied Water is drawn from Right bank canal (RBC) of Hasdeo river as per water agreement with Water resource department -Govt. of CG. No ground water is extracted for plant operations.		Date: 24/11/2025
4	WATER QUALITY MONITORING AND PRESERVATION	3 (vii) Monitoring of surface water quantity and quality shall also be regularly conducted and records maintained. The monitored data shall be submitted to the ministry regularly. Further, monitoring point shall be located between the plant and drainage in the direction of flow of ground water and records maintained. Monitoring of heavy metals in ground water shall be undertaken.
PPs Submission: Complied Surface water and ground water quality are regularly monitored and communicated to CECB and MoEF and CC. Regular monitoring is carried out in surrounding 11 villages. Heavy metal monitoring also being done on monthly quarterly basis. Records are maintained. Sipat is zero liquid discharge (ZLD) Compliant plant and no water is discharged either from plant and dyke area. Air, water, stack, noise monitoring reports are attached		Date: 24/11/2025
5	WATER QUALITY MONITORING AND PRESERVATION	3 (viii) Minimum required environmental flow suggested by the competent authority of the state Govt. shall be maintained in the channel/Rivers (as applicable) even in lean season.
PPs Submission: Complied Water is sourced from Hasdeo RBC, as per agreement with Water Resources Deptt, Govt of Chhattisgarh. NTPC Sipat is drawing lesser quantity of water than the allocated quantity. Station had surrendered 27 MCM water in Dec-2017 leaving present allocation 93 MCM against original allocation of 120 MCM as per water agreement with CG Water resource department.		Date: 24/11/2025
6	GREENBELT	3 (x) Green belt shall also be developed around the ash pond over and above the green belt around the plant boundary.
PPs Submission: Complied Plantation has been developed in available land patches around ash dyke area. More than 7000 number of plantations have been completed.		Date: 24/11/2025
7	MISCELLANEOUS	3 (xiii) An Environmental cell comprising of at least one expert in environmental science/Engineering, Ecology, occupational health and social science, shall be created preferably at the project site itself and shall be headed by and officer of appropriate superiority and qualification. It shall be ensured that the head of the cell shall directly report to the head of the plant, who would be accountable for implementation of environmental regulations and social impact improvement/mitigation measures.
PPs Submission: Complied A dedicated Environmental Management Group is already set up with suitable and experienced executives as per the requirement.		Date: 24/11/2025
8	MISCELLANEOUS	3 (xiv) The project proponent shall formulate a well laid corporate environment policy and identify and designate responsible officers at all levels of its hierarchy for ensuring adherence to the policy and compliance with the conditions stipulated in this clearance latter and

		other applicable environmental laws and regulations.
PPs Submission: Complied NTPC as a corporate has a well laid written Environment Policy.		Date: 24/11/2025
9	Statutory compliance	3 (xv) The environment statement for each financial year ending 31st march in form-V as is mandated to be submitted by the project proponent to the concern state pollution control board as prescribed under the Environment (protection) rule, 1986, as amended subsequently, shall also to be put on the website of the company along with the status of compliance of Environmental clearance conditions and shall also be sent to the respective regional offices of the ministry by email.
PPs Submission: Complied Environment Statement is submitted every year. Statement for the year 2024-25 is submitted on 30.09.2025.		Date: 24/11/2025
10	MISCELLANEOUS	4. All other conditions mentioned in this ministry's letter of even no. dated 22.02.1999 and its amendment dated 30.04.2002 shall remain the same, as applicable.
PPs Submission: Complied Noted		Date: 24/11/2025
Visit Remarks		
Last Site Visit Report Date:		N/A
Additional Remarks:		
<p>Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.</p>		

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01 Dec(01 Apr - 30 Sep)

Acknowledgement

Proposal Name	NTPC Ltd., Sipat Super Thermal Power Station, Stage-I (3 x 660 MW)		
Name of Entity / Corporate Office	NTPC Ltd.,		
Village(s)	N/A		
District	BILASPUR		
Proposal No.	No.J-13011/10/1996-IA.II(T)	Category	Thermal Projects
Plot / Survey / Khasra No.	N/A	Sub-District	N/A
State	CHHATTISGARH	Entity's PAN	*****0255D
MoEF File No.	No.J-13011/10/1996-IA.II(T)	Entity name as per PAN	NTPC LIMITED

Compliance Reporting Details

Reporting Year	2025
Remarks (if any)	Compliance status of EC amendment Stage-I dated 08.02.2017, 17.05.2018, 09.10.2019.
Reporting Period	01 Dec(01 Apr - 30 Sep)

Details of Production and Project Area

Name of Entity / Corporate Office NTPC Ltd.,

	Project Area as per EC Granted	Actual Project Area in Possession
Private	0	938.51
Revenue Land	0	801.22
Forest	0	28.47
Others	1773.51	0
Total	1773.51	1768.2

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Electricity	MW	30/11/2030	1980	15091.45 MU - (Million Kilo Watt Hour)	1980

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	AIR QUALITY MONITORING AND PRESERVATION	2 (i) Top surface of the coal wagons shall be completely covered with tarpaulin sheet/Cloth so that coal will not get exposed to atmosphere and becomes secondary emissions. This will avoid fugitive dust emissions during the transport. Water sprinkling shall be done on the top surface of coal at loading point before covering with tarpaulin sheet. Due safety procedures shall be followed so that the covered sheet does not open up and fly away during transport which will endanger safety of nearby people, agricultural fields, etc. Water sprinkling measures as proposed at loading and unloading point shall be continued. Progress report of implementation shall be submitted to this ministry and concerned regional office every 3 months.
PPs Submission: Complied NTPC Sipat had started coal transportation by tarpaulin covered wagons from Aug 2020 onwards.		Date: 27/11/2025
2	AIR QUALITY MONITORING AND PRESERVATION	2 (ii) AAQ monitoring within 1 km on either side of track, close proximity to nearby habitation, shall be continued once in a quarter and the progress report shall be submitted.
PPs Submission: Complied Monitoring is being carried out. Report is submitted regularly.		Date: 27/11/2025
3	Human Health Environment	2 (iii) Land use study shall be carried out by latest IRS satellite map on 500m either side along the rail line from loading point to unloading point.
PPs Submission: Complied Land use study has been completed by Soil and Land Use Survey of India in July 2018.		Date: 27/11/2025
4	Human Health Environment	2 (iv) Health survey study of the local people shall be carried out. The report should clearly bring out the impact on surrounding forests, agriculture/crop patterns, percentage of yield, public health due to open wagon coal transportation, etc.
PPs Submission: Complied A health study was completed in Nov-2017 by Chhattisgarh Institute of Medical Sciences (CIMS) Bilaspur, wherein it is observed that prevalence of COPD in study area is similar to elsewhere in the country.		Date: 27/11/2025
5	Human Health Environment	2 (v) As stipulated by the earlier EAC on 31.03.2016, PP should study alternative methodologies/technologies being utilized including abroad, to prevent coal dust blow from moving open wagons carrying coal, if any. The results of this study should be submitted within one year.
PPs Submission: Complied This condition is modified in EC amendment issued on 09.10.2019. Status is given therein.		Date: 27/11/2025
6	GREENBELT	2018 5 (ii) Dense avenue plantation shall be developed on either side of the track wherever habitations/agricultural lands exists in consultation with local forest department to minimize the dust and noise pollution.

PPs Submission: Complied Approximately, 73,918 No.s of plantations have been planted through Chhattisgarh Rajya Van Vikas Nigam Ltd. so far in suitable patches of land.		Date: 27/11/2025
7	AIR QUALITY MONITORING AND PRESERVATION	2018 5 (iii) AAQ monitoring within 1 km on either side of track, close proximity to nearby habitation, shall be continued once in a quarter and the progress report shall be submitted.
PPs Submission: Complied AAQ monitoring along MGR within 1 km at six locations by MoEF approved third party is being done. Records are maintained. All average values are within limit of 24 hr average.		Date: 27/11/2025
8	MISCELLANEOUS	2018 5 (iv) Land use study shall be carried out by latest IRS satellite map on 500 m either side along the rail line from loading point to unloading point.
PPs Submission: Complied All three (03) season image data have been received by SLUSI from NRSA. Final Report submitted on 25.06.2018. As per recommendation of the study, large scale plantation along MGR track has already been taken up.		Date: 27/11/2025
9	Human Health Environment	2018 5 (v) Health survey study of the local people shall be carried out. The report should clearly bring out the impact on surrounding forests, agriculture/crop patterns, percentage of yield, public health due to open wagon coal transportation, etc.
PPs Submission: Complied A health study was completed in Nov-2017 by Chhattisgarh Institute of Medical Sciences (CIMS) Bilaspur wherein it is observed that prevalence of COPD in study area is similar to elsewhere in the country. Another study was conducted to assess the impact of coal dust on soil, crop and trees. No significant adverse observations.		Date: 27/11/2025
10	MISCELLANEOUS	2018 5 (vi) As stipulated by the earlier EAC on 31.03.2016, PP should study alternative methodologies/technologies being utilized including abroad, to prevent coal dust blow from moving open wagons carrying coal, if any. The results of this study should be submitted within one year.
PPs Submission: Complied This Condition is modified in EC amendment issued on 09.10.2019.		Date: 27/11/2025
11	AIR QUALITY MONITORING AND PRESERVATION	2019 5 (i) As proposed, the water sprinkling at four points viz. loading point, unloading points, ½ km before entry, at 22 km chainage point (Mid Section) shall be carried out to keep the coal wet and to control dust generation.
PPs Submission: Complied NTPC Sipat has started coal transportation by tarpaulin covered wagons from Aug 2020 onwards.		Date: 27/11/2025

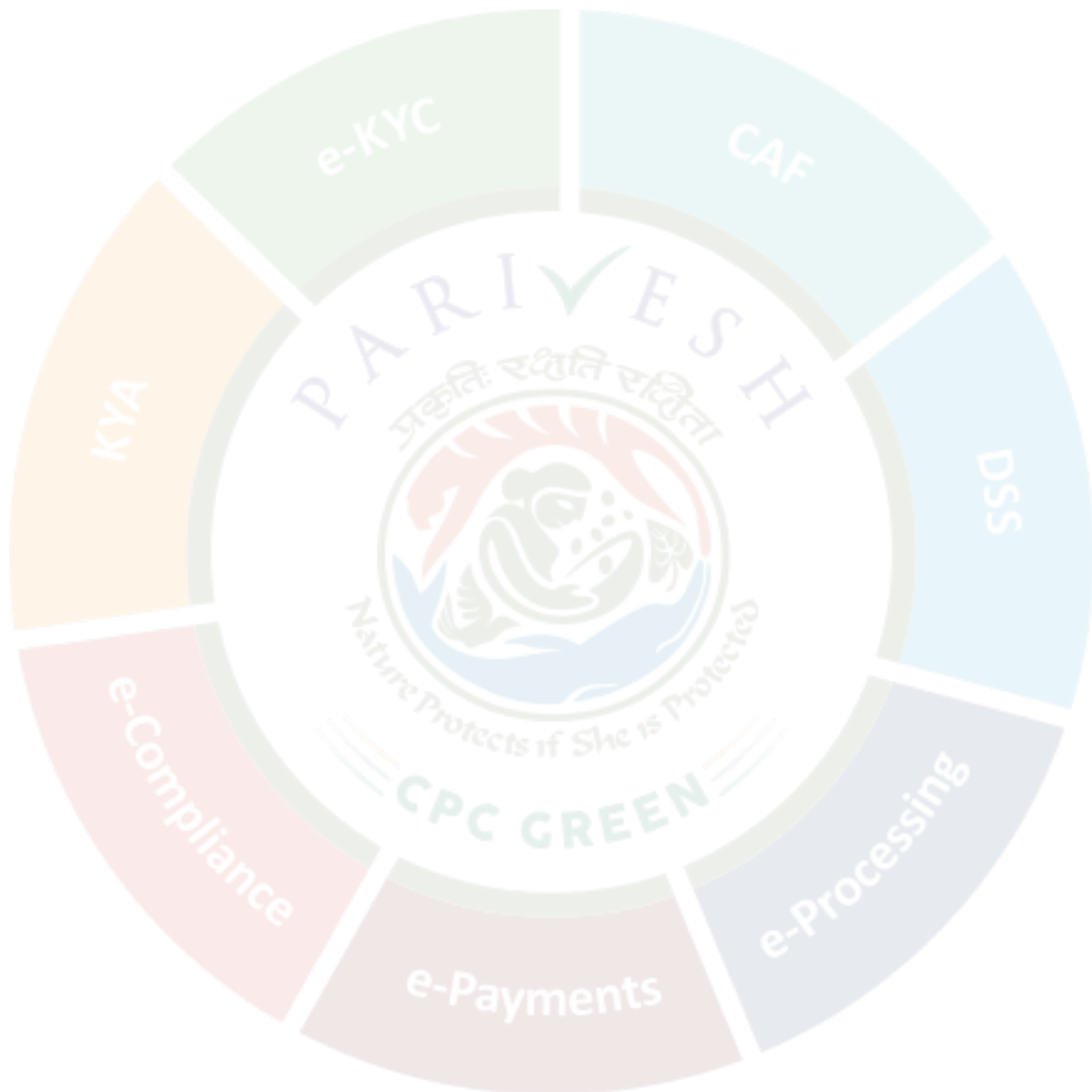
General Conditions

Sr.No.	Condition Type	Condition Details
1	MISCELLANEOUS	2 (v) All other conditions mentioned in the Ministry's letter of even No. dated 22.02.1999 & 14.01.2000 and its, amendments dated 30.04.2002 & 08.09.2014 shall remain the same, as applicable

PPs Submission: Complied Noted		Date: 27/11/2025
2	AIR QUALITY MONITORING AND PRESERVATION	2018 5 (i) Top surface of the coal wagons shall be completely covered with tarpaulin sheet/Cloth so that coal will not get exposed to atmosphere and becomes secondary emissions. This will avoid fugitive dust emissions during the transport. Water sprinkling shall be done on the top surface of coal at loading point before covering with tarpaulin sheet. Due safety procedures shall be followed so that the covered sheet does not open up and fly away during transport which will endanger safety of nearby people, agricultural fields, etc. Water sprinkling measures as proposed at loading and unloading point shall be continued. Progress report of implementation shall be submitted to this ministry and concerned Regional office as part of Compliance report.
PPs Submission: Complied NTPC Sipat started coal transportation by tarpaulin covered wagons from Aug 2020 onwards.		Date: 27/11/2025
3	MISCELLANEOUS	2018 (6) All other conditions mentioned in this Ministry's letter of even No. dated 22.02.1999, 30.04.2002, 08.09.2014, and 08.02.2017 shall remain the same, as applicable.
PPs Submission: Complied Noted		Date: 27/11/2025
4	MISCELLANEOUS	2019 5 (ii) NTPC being a large consumer of coal, should take up an R&D activity of developing a mechanical sliding of the cloth over wagon top which should be easily closed/opened with mechanical arrangement and should also not hamper loading operations. Once successful, this can be replicated in the country as best environmental practice to prevent air pollution from coal. This will also prevent oxidation.
PPs Submission: Complied 1. NTPC Sipat had approached RDSO, the wagon designing outfit of Indian Railways for developing a mechanical covering arrangement on the wagons through a consultancy contract. 2. RDSO representatives and their authorized agency demonstrated the prototype on 10th and 11th October 2021. The agency will further demonstrate the system with improvement. 3. One of the agencies of RDSO has visited the site from 02 to 05 Feb-22 and demonstrated the new mechanized arrangement but the system is not compatible with our loading unloading system. NTPC has contacted other agency of RDSO for development of the mechanized system. A letter was written to RDSO in the month of May-22 Oct-22 and on 10.01.2023 to depute the other agency for development of solution but no response received. 4. Subsequently, NTPC Sipat has published an EOI for developing mechanized covering of wagons, but no response received for developing mechanized covering in MGR Wagons.		Date: 27/11/2025
5	MISCELLANEOUS	2019 (6) All other conditions mentioned in this Ministry's letter of even No. dated 22.02.1999, 14.01.2000, 30.04.2002, 08.09.2014, and 08.02.2017 and 17.05.2018 shall remain the same, as applicable
PPs Submission: Complied Noted		Date: 27/11/2025
Visit Remarks		

Last Site Visit Report Date:	N/A
Additional Remarks:	

Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.



Half Yearly Compliance Report

2025

01 Dec(01 Apr - 30 Sep)

Acknowledgement

Proposal Name	NTPC Ltd., Sipat Super Thermal Power Station, Stage-I (3 x 660 MW)		
Name of Entity / Corporate Office	NTPC Ltd.,		
Village(s)	N/A		
District	BILASPUR		
Proposal No.	No.J-13011/10/1996-IA.II(T)	Category	Thermal Projects
Plot / Survey / Khasra No.	N/A	Sub-District	N/A
State	CHHATTISGARH	Entity's PAN	*****0255D
MoEF File No.	No.J-13011/10/1996-IA.II(T)	Entity name as per PAN	NTPC LIMITED

Compliance Reporting Details

Reporting Year	2025
Remarks (if any)	Compliance to conditions of Stage I EC amendment dated 24.12.2021
Reporting Period	01 Dec(01 Apr - 30 Sep)

Details of Production and Project Area

Name of Entity / Corporate Office NTPC Ltd.,

	Project Area as per EC Granted	Actual Project Area in Possession
Private		938.51
Revenue Land	0	801.22
Forest	0	28.47
Others	1773.51	0
Total	1773.51	1768.2

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Electricity	MW	30/11/2030	1980	14385.87 MU - (Million KWh)	1980

Conditions		
Specific Conditions		
Sr.No.	Condition Type	Condition Details
1	MISCELLANEOUS	Dec 2021 7 (i) Fly ash utilization plan shall be adhered, and 100% Ash utilization shall be carried out strictly as per extent rule and regulations of the Ministry.
PPs Submission: Complied Ash utilization is being complied in pursuance to MoEF and CC notification dated 31.12.2021 and its amendment dated 30.12.2022. 101.26 Percent ash utilization is achieved in FY 2023-24. Ash utilization of 102.11Percent has been achieved in 2024-25 and 101.21 Percent in 2025-26 up to Sept 2025. NTPC Sipat is continuously trying to achieve 100 Percent utilization of ash.		Date: 26/11/2025
2	GREENBELT	Dec 2021 7 (iii) 10 acres of land shall be identified outside the project boundary in the Bilaspur district (preferably within 10 km radius of the project cover area) to carry out afforestation using Miyawaki plantation technique with more than 90% survival rate as committed by PP vide letter no. CC:RSE:9518:2021:GEN Dated 23.11.2021.
PPs Submission: Complied 32,000 No.s of saplings have been planted through Miyawaki technique in Bhilmi village which is approximately 10 kms away from plant. Plantation Work had been completed in March 2024. Total project cost for plantation and maintenance up to two years is INR 853 lakh. Photographs are attached.		Date: 27/11/2025
General Conditions		
Sr.No.	Condition Type	Condition Details
1	Statutory compliance	Dec 2021 7 (ii) Backfilling in the low-lying area shall be carried out as per the CPCB guidelines.
PPs Submission: Complied Ash filling work is carried out as per CPCB stipulations.		Date: 26/11/2025
2	MISCELLANEOUS	Dec 2021 7 (iv) Other conditions of the EC letter dated 22.02.1999, 30.04.2002 and 08.09.2014 shall remain unchanged.
PPs Submission: Complied Noted.		Date: 25/11/2025
Visit Remarks		
Last Site Visit Report Date:		N/A
Additional Remarks:		Status of CCR compliance as on 01.06.2024 submitted to IRO, Raipur is attached.
Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.		

**Attachment to condition No 2(xvi) of EC stage I dt 22.02.1999
condition No 3(vii) of EC stage I dt 08.09.2014**

ANNEXURE- I

**Table-I : Ambient Air Quality Monitoring
Period of Observation 01.04.2025 to 30.09.2025**

CAAQMS-1 (Track Hopper)

Month	PM2.5	PM10	SO ₂	NOx	CO ₂
	[µg/m ³]				[ppm]
Apr-2025	29.8	74.9	37.3	49.3	358.0
May-2025	20.6	48.5	32.9	49.6	393.1
Jun-2025	20.5	44.0	21.8	32.5	412.1
July-2025	8.2	16.8	25.9	42.0	344.7
Aug-2025	11.5	25.1	30.8	41.0	344.6
Sep-2025	13.3	25.2	28.1	41.9	319.6

CAAQMS-2 (B-Type)

Month	PM2.5	PM10	SO ₂	NOx	CO ₂
	[µg/m ³]				[ppm]
Apr-2025	24.6	95.9	35.7	23.6	376.4
May-2025	19.8	36.9	34.4	26.7	388.3
Jun-2025	19.5	32.6	33.4	29.3	391.4
July-2025	12.1	16.7	28.5	30.8	398.3
Aug-2025	12.1	19.7	35.4	41.6	357.2
Sep-2025	15.4	20.2	26.1	33.7	411.8

CAAQMS-3 (Switch Yard)

Month	PM2.5	PM10	SO ₂	NOx	CO ₂
	[µg/m ³]				[ppm]
Apr-2025	31.6	54.2	24.1	27.5	461.3
May-2025	36.3	22.4	24.7	27.2	460.8
Jun-2025	19.8	40.0	24.9	27.3	429.7
July-2025	10.8	20.3	26.2	28.9	427.3
Aug-2025	10.3	30.7	38.8	27.6	331.5
Sep-2025	10.3	31.3	31.1	27.3	340.0

Table-II: Meteorological Observations

Period of Observation: 01.04.2025 to 30.09.2025

Month	Temperature, °C			Relative Humidity, %			Rainfall		Wind Speed, m/s		
	Min	Max	Monthly average	Min	Max	Average	Rainy Days	Total Rainfall, mm	Min	Max	Mean
Apr-2025	20.8	32.7	26.7	49.8	95.8	67.1	3	0.3	0.7	1.9	1.3
May-2025	21.1	28.8	24.9	20.5	95.6	58.3	4	1.4	0.5	1.6	1.3
Jun-2025	20.6	28.6	24.7	49.8	95.6	58.3	8	2.6	0.5	1.4	0.9
July-2025	18.7	22.7	20.6	47.6	95.8	70.6	25	9.3	0.2	0.9	0.6
Aug-2025	19.7	24.3	22.9	21.2	96.7	57.9	11	2.2	0.4	1.2	0.7
Sep-2025	20.2	22.8	21.9	21.2	96.7	58.7	11	5.7	0.3	0.9	0.6

Table-III : Ambient Air Quality Monitoring around Plant area

Month	Janji Village					
	PM2.5	PM10	SO ₂	NO _x	CO	HC
	[µg/m ³]				[mg/m ³]	[ppm]
Apr-2025	25.1	40.9	24.0	22.4	0.434	0.442
May-2025	32.3	51.4	25.4	24.4	0.446	0.458
Jun-2025	27.3	43.0	23.0	21.7	0.435	0.443
July-2025	26.2	42.1	22.2	20.5	0.432	0.446
Aug-2025	24.2	36.7	23.8	23.1	0.437	0.450
Sep-2025	22.2	39.7	20.8	19.8	0.429	0.437

Month	Kaudia Village					
	PM2.5	PM10	SO ₂	NO _x	CO	HC
	[µg/m ³]				[mg/m ³]	[ppm]
Apr-2025	25.8	39.5	24.3	23.3	0.437	0.447
May-2025	33.4	50.4	26.4	25.7	0.454	0.466
Jun-2025	25.4	40.8	23.7	22.8	0.439	0.450
July-2025	25.6	40.8	21.4	23.0	0.440	0.451
Aug-2025	24.4	41.8	25.5	22.5	0.429	0.441

Month	Sipat Village					
	PM2.5	PM10	SO ₂	NO _x	CO	HC
	[µg/m ³]				[mg/m ³]	[ppm]
Apr-2025	25.5	40.8	24.0	22.9	0.436	0.448
May-2025	27.1	44.5	22.9	22.6	0.440	0.451
Jun-2025	26.5	44.9	22.7	22.2	0.438	0.450
July-2025	25.4	42.6	22.2	21.5	0.441	0.453
Aug-2025	25.1	42.0	27.7	25.1	0.435	0.444

Month	Darrabhata Village					
	PM2.5	PM10	SO ₂	NO _x	CO	HC
	[µg/m ³]				[mg/m ³]	[ppm]
Sep-2025	26.9	40.5	25.5	23.3	0.434	0.448

Month	Deori Village					
	PM2.5	PM10	SO ₂	NO _x	CO	HC
	[µg/m ³]				[mg/m ³]	[ppm]
Sep-2025	23.4	42.4	22.7	21.9	0.437	0.449

Table-IV

AAQ monitoring at Sonthi Pahar Reserve Forest Area

Month	Location – Parsapali					
	PM 2.5	PM 10	SO ₂	NO _x	CO	HC
	[µg/m ³]				[mg/m ³]	[ppm]
Apr-2025	26.0	45.0	23.9	22.3	0.468	0.474
May-2025	26.2	45.4	24.2	23.0	0.467	0.474
Jun-2025	24.7	43.8	22.4	21.5	0.461	0.472
July-2025	22.1	41.6	21.0	19.7	0.454	0.464
Aug-2025	20.6	39.8	19.4	18.5	0.450	0.460
Sep-2025	19.5	38.8	18.3	17.3	0.447	0.458

ANNEXURE-II

Table-V: Stack Monitoring

Period of Observation: 01.04.2025 to 30.09.2025

Month	Unit-1				Unit-2				Unit-3				Unit-4				Unit-5			
	Parameter in mg/Nm³																			
	PM	SO₂	NOₓ	Hg	PM	SO₂	NOₓ	Hg	PM	SO₂	NOₓ	Hg	PM	SO₂	NOₓ	Hg	PM	SO₂	NOₓ	Hg
Apr-25	44	830	214	0.016	45	1015	245	0.012	45	1068	256	0.013	41	982	244	0.011	40	936	202	0.014
May-25	43	813	213	0.013	41	985	259	0.010	46	928	233	0.015	44.0	1043	239	0.011	39	1023	221	0.012
Jun-25	46	933	245	0.013	42	934	222	0.014	43	952	223	0.012	43.0	969	238	0.013	45	968	268	0.016
July-25	43	1036	257	0.011	39	1037	217	0.015	40	1029	217	0.016	40.6	1000	237	0.012	43	1010	236	0.013
Aug-25	44	1061	235	0.015	44	1084	220	0.014	44	1007	212	0.014	45.4	1102	240	0.011	#	#	#	#
Sep-25	44	1091	263	0.013	45	1110	235	0.016	43	991	211	0.013	41.3	1020	214	0.014	40	958	239	0.012

#.Under Shut Down

ANNEXURE-III

Table-VI: Ground Water Quality Monitoring
Period of Observation: 01.04.2025 to 30.09.2025

Legend :BDL – Below Detection Limit / BLQ- Below Limit of Quantification, LOQ-Limit of Quantification
 Minimum Detection Limit (mg/l): F:0.2

Month	Location-I (Hardadih)				
	pH	TSS	TDS	F	B
		[mg/L]			
Apr-2025	7.2	05	474	0.3	<0.1
May-2025	7.5	06	494	0.4	<0.1
Jun-2025	7.2	06	488	0.4	<0.1
July-2025	7.1	02	456	0.2	<0.1
Aug-2025	7.3	02	428	BLQ	<0.1
Sep-2025	7.1	04	444	0.2	<0.1

Month	Location-II (Sukhripali)				
	pH	TSS	TDS	F	B
		[mg/L]			
Apr-2025	7.3	04	455	0.2	<0.1
May-2025	7.2	03	418	BLQ	<0.1
Jun-2025	7.5	03	422	BLQ	<0.1
July-2025	7.3	05	438	BLQ	<0.1
Aug-2025	7.5	04	455	BLQ	<0.1
Sep-2025	7.2	06	475	0.4	<0.1

Month	Location-III (Ralia)				
	pH	TSS	TDS	F	B
		[mg/L]			
Apr-2025	7.5	03	436	BLQ	<0.1
May-2025	7.3	04	453	0.2	<0.1
Jun-2025	7.1	06	478	BLQ	<0.1
July-2025	7.4	02	420	BLQ	<0.1
Aug-2025	7.2	03	440	0.2	<0.1
Sep-2025	7.5	02	414	BLQ	<0.1

Location-IV (Bhilai)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
Apr-2025	7.4	06	487	0.4	<0.1
May-2025	7.1	05	470	0.3	<0.1
Jun-2025	7.3	04	454	0.2	<0.1
July-2025	7.2	04	432	02	<0.1

Aug-2025	7.6	07	474	0.4	<0.1
Sep-2025	7.3	05	459	0.3	<0.1
Location-V (Gatora)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
Apr-2025	7.7	03	421	BLQ	<0.1
May-2025	7.4	03	434	BLQ	<0.1
Jun-2025	7.6	05	444	BLQ	<0.1
July-2025	7.5	03	475	0.3	<0.1
Aug-2025	7.3	05	463	0.3	<0.1
Sep-2025	7.5	03	432	BLQ	<0.1

Location-V (Rank)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
Apr-2025	7.3	04	466	0.3	<0.1
May-2025	7.6	06	480	0.3	<0.1
Jun-2025	7.2	05	474	0.3	<0.1
July-2025	7.6	07	494	0.4	<0.1
Aug-2025	7.1	06	488	0.4	<0.1
Sep-2025	7.2	07	488	0.4	<0.1

Location-V (Janji)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
Apr-2025	7.3	05	484	0.4	<0.1
May-2025	7.5	04	446	BLQ	<0.1
Jun-2025	7.3	02	432	BLQ	<0.1
July-2025	7.4	02	464	0.4	<0.1
Aug-2025	7.2	02	424	BLQ	<0.1
Sep-2025	7.4	03	438	0.2	<0.1

Location-V (Kaudia)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
Apr-2025	7.1	03	444	BLQ	<0.1
May-2025	7.2	03	424	BLQ	<0.1
Jun-2025	7.2	04	440	0.2	<0.1

July-2025	7.5	03	426	0.2	<0.1
Aug-2025	7.3	04	435	BLQ	<0.1
Sep-2025	7.1	06	0.4	BLQ	<0.1

Location-V (Darrabhata)					
Month	pH	TSS	TDS	F	B
Apr-2025	7.4	06	494	0.4	<0.1
May-2025	7.6	06	474	0.3	<0.1
Jun-2025	7.5	03	452	BLQ	<0.1
July-2025	7.2	03	440	BLQ	<0.1
Aug-2025	7.1	06	494	0.4	<0.1
Sep-2025	7.1	06	486	0.4	<0.1

Location-V (Deori)					
Month	pH	TSS	TDS	F	B
Apr-2025	7.6	03	414	BLQ	<0.1
May-2025	7.5	04	460	0.3	<0.1
Jun-2025	7.1	05	464	0.3	<0.1
July-2025	7.6	07	488	0.3	<0.1
Aug-2025	7.5	03	464	0.3	<0.1
Sep-2025	7.6	02	424	BLQ	<0.1

Location-V (Nvaadih)					
Month	pH	TSS	TDS	F	B
Apr-2025	7.2	04	465	0.3	<0.1
May-2025	7.4	05	486	0.4	<0.1
Jun-2025	7.6	07	492	0.4	<0.1
July-2025	7.3	05	448	BLQ	<0.1
Aug-2025	7.2	05	475	0.3	<0.1
Sep-2025	7.5	05	462	0.3	<0.1

Surface Water (Pond) Quality Monitoring
Period of Observation: 01.04.2025 to 30.09.2025

Month	Location-I (Hardadih)				
	pH	TSS	TDS	F	B
		[mg/L]			
Apr-2025	7.2	15	348	0.2	<0.1
May-2025	7.3	12	320	BLQ	<0.1
Jun-2025	7.1	15	332	BLQ	<0.1
July-2025	7.5	13	351	0.3	<0.1
Aug-2025	7.3	12	321	BLQ	<0.1
Sep-2025	7.2	14	315	BLQ	<0.1

Month	Location-II (Sukhripali)				
	pH	TSS	TDS	F	B
		[mg/L]			
Apr-2025	7.1	18	382	0.5	<0.1
May-2025	7.5	17	378	0.3	<0.1
Jun-2025	7.3	14	340	0.3	<0.1
July-2025	7.2	12	313	BLQ	<0.1
Aug-2025	7.1	13	352	BLQ	<0.1
Sep-2025	7.2	15	338	0.2	<0.1

Month	Location-III (Ralia)				
	pH	TSS	TDS	F	B
		[mg/L]			
Apr-2025	7.4	12	314	BLQ	<0.1
May-2025	7.2	14	334	BLQ	<0.1
Jun-2025	7.5	17	367	0.4	<0.1
July-2025	7.6	14	375	0.4	<0.1
Aug-2025	7.2	18	390	0.4	<0.1
Sep-2025	7.5	19	374	0.4	<0.1

Location-IV (Bhilai)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
Apr-2025	7.6	16	354	0.4	<0.1
May-2025	7.5	18	388	0.4	<0.1
Jun-2025	7.2	15	360	0.3	<0.1
July-2025	7.7	15	363	0.3	<0.1

Aug-2025	7.6	17	376	0.3	<0.1
Sep-2025	7.2	17	351	0.3	<0.1
Location-V (Gatora)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
Apr-2025	7.3	14	328	BLQ	<0.1
May-2025	7.7	15	350	0.3	<0.1
Jun-2025	7.6	18	384	0.4	<0.1
July-2025	7.3	17	388	0.3	<0.1
Aug-2025	7.4	16	384	0.4	<0.1
Sep-2025	7.3	20	386	0.4	<0.1

Location-V (Rank)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
Apr-2025	7.5	14	340	0.3	<0.1
May-2025	7.2	13	325	0.2	<0.1
Jun-2025	7.4	14	315	BLQ	<0.1
July-2025	7.1	12	329	BL Q	<0.1
Aug-2025	7.2	16	362	0.2	<0.1
Sep-2025	7.1	16	328	BLQ	<0.1

Location-V (Janji)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
Apr-2025	7.2	16	350	0.3	<0.1
May-2025	7.6	14	321	BLQ	<0.1
Jun-2025	7.2	17	374	0.4	<0.1
July-2025	7.3	14	359	0.3	<0.1
Aug-2025	7.4	17	379	0.3	<0.1
Sep-2025	7.3	18	359	0.3	<0.1

Location-V (Kaudia)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
Apr-2025	7.5	17	380	0.4	<0.1
May-2025	7.3	16	357	0.3	<0.1
Jun-2025	7.5	15	348	0.3	<0.1

July-2025	7.0	14	382	0.4	<0.1
Aug-2025	7.2	14	358	0.2	<0.1
Sep-2025	7.1	16	343	0.3	<0.1

Location-V (Darrabhata)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
Apr-2025	7.2	16	364	0.4	<0.1
May-2025	7.5	17	397	0.4	<0.1
Jun-2025	7.1	15	325	BLQ	<0.1
July-2025	7.1	12	340	BLQ	<0.1
Aug-2025	7.0	12	328	BLQ	<0.1
Sep-2025	7.2	15	324	0.2	<0.1

Location-V (Deori)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
Apr-2025	7.3	15	340	BLQ	<0.1
May-2025	7.2	15	331	BLQ	<0.1
Jun-2025	7.6	16	350	0.3	<0.1
July-2025	7.5	15	371	0.4	<0.1
Aug-2025	7.4	16	371	0.4	<0.1
Sep-2025	7.6	19	363	0.4	<0.1

Location-V (Nvaadih)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
Apr-2025	7.6	14	318	BLQ	<0.1
May-2025	7.7	15	340	0.2	<0.1
Jun-2025	7.2	14	327	BLQ	<0.1
July-2025	7.2	13	321	BLQ	<0.1
Aug-2025	7.3	15	347	BLQ	<0.1
Sep-2025	7.4	14	309	BLQ	<0.1

Table-VII : Heavy Metals monitoring around plant villages

Legend: BDL – Below Detection Limit / BLQ- Below Limit of Quantification, LOQ-Limit of Quantification
Minimum Detection Limit (mg/l): Cu: 0.002, Zn: 0.01, Cd : 0.002 Cr(Total):0.002, Pb:0.002, As : 0.002, Hg:0.0005

Month	Location-I (Hardadih)							
	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
Apr-2025	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
May-2025	0.27	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Jun-2025	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
July-2025	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Aug-2025	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Sep-2025	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Month	Location-II (Sukhripali)							
	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
Apr-2025	0.26	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
May-2025	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Jun-2025	0.27	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
July-2025	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Aug-2025	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Sep-2025	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Month	Location-III (Ralia)							
	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
Apr-2025	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
May-2025	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Jun-2025	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
July-2025	0.26	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Aug-2025	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Sep-2025	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Month	Location-IV (Bhilai)							
	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
Apr-2025	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
May-2025	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Jun-2025	0.28	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
July-2025	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Aug-2025	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Sep-2025	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Month	Location-V (Gataura)							
	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
Apr-2025	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
May-2025	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Jun-2025	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
July-2025	0.27	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Aug-2025	0.26	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Sep-2025	0.28	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Month	Location-VI (Rank)							
	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
Apr-2025	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
May-2025	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Jun-2025	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
July-2025	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Aug-2025	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Sep-2025	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Month	Location-VII (Janji)							
	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
Apr-2025	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
May-2025	0.20	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Jun-2025	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
July-2025	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Aug-2025	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Sep-2025	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Month	Location-VIII (Kaudia)							
	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
Apr-2025	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
May-2025	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Jun-2025	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
July-2025	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Aug-2025	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Sep-2025	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

	Location-IX (Darrabhata)							
Month	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
Apr-2025	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
May-2025	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Jun-2025	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
July-2025	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Aug-2025	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Sep-2025	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

	Location-X (Deori)							
Month	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
Apr-2025	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
May-2025	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Jun-2025	0.26	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
July-2025	0.27	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Aug-2025	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Sep-2025	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

	Location-XI (Nvaadih)							
Month	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
Apr-2025	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
May-2025	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Jun-2025	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
July-2025	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Aug-2025	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Sep-2025	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Main Plant Effluent Monitoring
Period of Observation: 01.04.2025 to 30.09.2025

NTPC Sipat is in compliance to zero liquid discharge. There is no discharge outside plant area from CMB. After treatment, water is being reused in ash slurry system.

Table-VIII: Sanitary Effluent Monitoring
Period of Observation 01.04.2025 to 30.09.2025

At NTPC Sipat there is zero sanitary effluent discharge, treated sanitary effluent being used in horticulture.

Month	Sanitary Effluents			
	pH	TSS	BOD	COD
		[mg/L]		
Apr-2025	7.3	14.2	6.7	39.4
May-2025	7.3	13.3	6.4	38.1
Jun-2025	7.4	13.2	6.0	37.2
July-2025	7.4	13.7	6.3	38.7
Aug-2025	7.3	13.9	6.4	37.7
Sep-2025	7.3	13.6	6.3	37.7

ANNEXURE – IV

Table-IX: Noise Monitoring
(Period of Observation: 01.04.2025 to 30.09.2025)

Locations	Date of Monitoring	Noise Levels in dB(A)	
		Day Time	Nighttime
Material gate	15-04-2025	49.3	40.6
CCR	15-04-2025	46.7	33.5
CHP	15-04-2025	44.5	42.3
Ralia	15-04-2025	36.7	30.2
Bhilai	15-04-2025	35.2	31.7
Hardadih	15-04-2025	40.6	35.2
Sukhripali	15-04-2025	41.6	31.5
Gataura	15-04-2025	39.5	32.2
ADM Gate	15-04-2025	57.5	43.2
Turbine Hall	15-04-2025	60.2	42.6
B-Type	15-04-2025	51.7	38.7
Material gate	15-05-2025	51.4	42.3
CCR	15-05-2025	47.3	32.4
CHP	15-05-2025	46.5	43.7
Ralia	15-05-2025	37.3	32.4
Bhilai	15-05-2025	34.4	30.7
Hardadih	15-05-2025	39.4	34.7
Sukhripali	15-05-2025	38.4	29.3
Gataura	15-05-2025	41.7	33.7
ADM Gate	15-05-2025	58.3	43.7
Turbine Hall	15-05-2025	61.4	44.6
B-Type	15-05-2025	50.4	37.4
Material gate	14-06-2025	52.3	43.4
CCR	14-06-2025	45.2	35.6
CHP	14-06-2025	48.2	44.7
Ralia	14-06-2025	35.4	30.7
Bhilai	14-06-2025	36.8	32.7
Hardadih	14-06-2025	41.4	33.2
Sukhripali	14-06-2025	40.7	31.6
Gataura	14-06-2025	39.5	32.6
ADM Gate	14-06-2025	56.4	44.5

Locations	Date of Monitoring	Noise Levels in dB(A)	
		Day Time	Nighttime
Turbine Hall	14-06-2025	58.6	45.3
B-Type	14-06-2025	51.0	38.6
Material gate	12-07-2025	50.4	41.3
CCR	12-07-2025	46.4	37.2
CHP	12-07-2025	49.5	43.4
Ralia	12-07-2025	33.2	28.4
Bhilai	12-07-2025	37.2	31.7
Hardadih	12-07-2025	40.4	30.7
Sukhripali	12-07-2025	43.3	33.7
Gataura	12-07-2025	38.7	32.0
ADM Gate	12-07-2025	54.2	42.4
Turbine Hall	12-07-2025	56.3	46.2
B-Type	12-07-2025	51.3	39.5
Material gate	12-08-2025	48.4	42.3
CCR	12-08-2025	44.3	35.7
CHP	12-08-2025	50.4	40.8
Ralia	12-08-2025	35.7	30.2
Bhilai	12-08-2025	34.8	28.4
Hardadih	12-08-2025	38.3	31.7
Sukhripali	12-08-2025	41.7	34.4
Gataura	12-08-2025	37.4	31.5
ADM Gate	12-08-2025	53.6	40.5
Turbine Hall	12-08-2025	55.2	47.2
B-Type	12-08-2025	50.4	39.7
Material gate	11-09-2025	49.6	44.2
CCR	11-09-2025	47.2	34.4
CHP	11-09-2025	51.2	42.3
Ralia	11-09-2025	36.4	31.3
Bhilai	11-09-2025	35.2	29.5
Hardadih	11-09-2025	37.3	32.5
Sukhripali	11-09-2025	42.3	35.3
Gataura	11-09-2025	38.3	32.5
ADM Gate	11-09-2025	51.5	42.3
Turbine Hall	11-09-2025	54.3	46.2
B-Type	11-09-2025	48.6	40.2

Attachment to Condition No 2 of Stage I EC amendment dt 08.09.2014

Condition No 1.10 of Stage III EC dated 06.08.2024

SOLAR PV INSTALLED AT NTPC SIPAT

A total of 1333 KWp Solar PV is installed at NTPC Sipat. Additionally, contract is awarded for installation of 26 MW floating Solar and 2.3 MW ground mounted solar PV.

160 KWp Roof Top Solar PV plant was inaugurated on 07.11.2025:



1) Stadium gallery – 40 KWp



2) Mangal Bhavan 30 KWp



3) Hospital 30 KWp



4) Shopping Complex – 30 KWp



5) Vaishali club 30 KWp

50 KWp Roof Top Solar Panels at Simulator building in service since 2020:



50 KWp Roof top solar at Regional Learning Centre in service since 2020:



100 KWp Ground mounted Solar Panels at Kalaniketan since 2024:



Ref No. B AND R /Elect. /NTPC Sipat/01

Dated.:13.11.2024

To

The AGM (Contract Services)

NTPC Limited, NETRA Building, E-3, Ecotech-II,

Udyog Vihar, Greater Noida, Gautam Budh Nagar, Uttar Pradesh,
India, PIN-201306.

Telephone No.-+91-120-2356601, +91-120-2356517

Kind Attn.: Shri Hemant

Subject : Acceptance towards Notifications of Award (NOA) of Contract for “26 MW FLOATING SOLAR PV PROJECT AT RESERVOIR- 1B OF NTPC SIPAT” as per Bidding Document No. RE-CS-5807-004-9

Ref.: 1 RE-CS-5807-004-9-FC-NOA-255 dtd 06.11.2024
2 RE-CS-5807-004-9-SC-NOA-256 dtd 06.11.2024
3 RE-CS-5807-004-9-TC-NOA-257 dtd 06.11.2024
4 RE-CS-5807-004-9-FRC-NOA-258 dtd 06.11.2024

Respected Sir,

With reference to the above we hereby acknowledge our acceptance towards the NOAs issued to us for “26 MW FLOATING SOLAR PV PROJECT AT RESERVOIR- 1B OF NTPC SIPAT” as per Bidding Document No. RE-CS-5807-004-9.

NOAs duly signed and stamped from our end are hereby enclosed for record.

Assuring our best services at all times

Thanking you,

Yours Faithfully,

For Bridge and Roof Co. (India) Ltd

(Souvik Kundu)
AGM (Electrical)

**SOUVIK
KUNDU**

Digitally signed by SOUVIK KUNDU
DN: cn=SOUVIK KUNDU c=IN
o=BRIDGE AND ROOF CO. (I) LTD.
ou=MINISTRY OF HEAVY
INDUSTRY
Reason: I am the author of this
document
Location:
Date: 2024-11-13 12:36:05:30



Ref No.: RE-CS-5807-004-9-FC-NOA-255

केन्द्रीय कार्यालय/Corporate Centre
Date: 06.11.2024

Bridge and Roof Company (India) Ltd
5th Floor, Kankaria Centre 21
Russel Street, Kolkata-700071

Kind Attn.: Sh. Souvik Kundu, AGM Electrical, SBU Electrical Department

Sub.: Notification of Award (NOA) of Contract for Ex-works (India) supply of all plant and equipment including mandatory spares for "26 MW FLOATING SOLAR PV PROJECT AT RESERVOIR- 1B OF NTPC SIPAT" as per Bidding Document No. RE-CS-5807-004-9.

Dear Sir,

1.0 This has reference to the following:

- (i) Our Invitation for Bids (IFB) No. **RE-CS-5807-004-9 dated 26.02.2024.**
- (ii) Bidding Documents for the subject package issued to you/downloaded from ETS Portal (<https://www.bharat-electronictender.com>) vide TSC No. **NTPC-2024-TN000004**, comprising of the following:

S. No.	Description of Base Documents
1.	Invitation for Bids (IFB), [Section- I]
2.	Instructions to Bidders (ITB), [Section- II]
3.	Bid Data Sheets (BDS), [Section- III]
4.	General Conditions of Contract (GCC), [Section- IV]
5.	Special Conditions of Contract (SCC), [Section- V]
6.	Technical Specification (TS) [Section- VI]
7.	Forms & Procedures (FP), [Section- VII]

- (iii) Various Amendments / Clarifications / Errata to the bidding documents for the subject package uploaded on ETS Portal prior to Envelope-I (Techno-Commercial Bid) Opening, as per details given below:


Sl. No.	Description of base Bidding Documents	Amendment(s)/Clarification(s) issued to Base Documents prior to Bid opening
1.	Section-I : Invitation for Bids (IFB)	-NIL-
2.	Section-II : Instructions to Bidders (ITB)	-NIL-
3.	Section-III : Bid Data Sheets (BDS)	a) Amendment No. 1 dated 19.03.2024 vide Doc No. RE-CS-5807-004-9-AMDT-01.

NTPC Limited, NETRA Building, E-3, Ecotech-II, Udyog Vihar, Greater Noida, Gautam Budh Nagar, Uttar Pradesh, India, PIN-201306, Telephone No. +91-120-2356601, +91-120-2356517 Corporate Identification Number- L40101DL1975GOI007966, Website- www.ntpc.co.in

शोभिक कुंडु / SOUVIK KUNDU
सहायक महाप्रबंधक (इलेक्ट्रिकल)
Assistant General Manager (Electrical)
ब्रिज एंड रूफ कंपनी (इण्डिया) लिमिटेड
BRIDGE AND ROOF CO. (INDIA) LIMITED

Sl. No.	Description of base Bidding Documents	Amendment(s)/Clarification(s) issued to Base Documents prior to Bid opening
		b) Amendment No. 2 dated 16.04.2024 vide Doc No. RE-CS-5807-004-9-AMDT-06.
4.	Section-IV : General Conditions of Contract (GCC)	-NIL-
5.	Section- V : Special Conditions of Contract (SCC)	a) Amendment No. 1 dated 19.03.2024 vide Doc. No. RE-CS-5807-004-9-AMDT-02. b) Amendment No. 2 dated 08.04.2024 vide Doc No. RE-CS-5807-004-9-AMDT-04.
6.	Section-VI: Technical Specifications and Tender Drawings.	a) Amendment No. 01 dated 13.04.2024 vide Doc No. RE-CS-5807-004-9-AMDT-05. b) Amendment No. 02 dated 16.04.2024 vide Doc No. RE-CS-5807-004-9-AMDT-08 c) Amendment No. 03 dated 03.05.2024 vide Doc No. RE-CS-5807-004-9-AMDT-09.
7	Section-VII: Forms & Procedures (F&P) consisting of Book 1 of 3, Book 2 of 3 & Book 3 of 3	a) Amendment No. 1 dated 19.03.2024 vide Doc. No. RE-CS-5807-004-9-AMDT-03. b) Amendment No. 2 dated 16.04.2024 vide Doc. No. RE-CS-5807-004-9-AMDT-07.
8	Clarifications	a) Clarification No. 1 to Commercial Portion of Bidding Documents (Section I to V, Section VII) dated 08.04.2024 vide Doc. No. RE-CS-5807-004-9-CLRF-01 b) Clarification No. 01 To Section VI (Technical Specification) dated 13.04.2024 vide Doc. No. RE-CS-5807-004-9-CLRF-02.

- (iv) Corrigendum No. 1 dated 10.03.2024, no. 2 dated 15.03.2024, no. 3 dated 04.04.2024, no. 4 dated 18.04.2024, no. 05 dated 24.04.2024 and no. 6 dated 02.05.2024, all issued on ETS portal extending either the bid downloading period, and/ or the last date of receipt of bids and opening of Techno-Commercial Bids.
- (v) Your Techno-Commercial and Price Bid proposal for the subject package submitted online on ETS Portal against **TSC No. NTPC-2024-TN000004** and Techno-Commercial Bid (Envelope-I) proposal bearing **Ref. No. Nil** dated **02.04.2024** and opened on 09.05.2024 and your post bid clarification dated 23.05.2024 & 05.06.2024.
- (vi) Your certification to full compliance to all provisions of bidding documents by accepting the Attribute in Electronic Form on ETS Portal ("Do you Certify full compliance to All Provisions of Bidding Documents"), thereby confirming that any deviation, variations and additional


 शौभिक कुंडु / SOUVIK KUNDU
 सहायक महाप्रबंधक (इलेक्ट्रिकल)
 Assistant General Manager (Electrical)
 ब्रिज एंड रूफ कम्पनी (इण्डिया) लिमिटेड
 BRIDGE AND ROOF CO. (INDIA) LIMITED

conditions found anywhere in Bid proposal, implicit or explicit, stands unconditionally withdrawn, without any cost implication whatsoever to NTPC Limited.

- (vii) Our email dated 06.07.2024 & 10.07.2024 intimating you start of e-Reverse Auction on 18.07.2024.
- (viii) Your Price Bid (Envelope-II) proposal bearing Ref. No. Nil dated 17.04.2024 and opened on 15.07.2024.
- (ix) Our email dated 18.07.2024 inviting you for participation in e-Reverse Auction to be started from 14:30 hrs IST on 18.07.2024 on ETS portal with e-RA No. NTPC-2024-RA000009.
- (x) Result of Reverse Auction e-RA No. NTPC-2024-RA000009 held and conducted on 18.07.2024 on ETS portal.
- (xi) Your e-mail/ Letter No. B AND R/Elec./Solar/2024/NTPC/Sipat/01 dated 23.07.2024, submitting the final price breakup of total bid price along with attachment-3P (enclosed with this NOA at Appendix-I).
- (xii) Our request email dated 04.09.2024 for extension in bid validity period upto 06.11.2024 and Bid Security upto 21.12.2024.
- (xiii) Your email dated 04.09.2024 confirming extension of bid validity till 06.11.2024.

2.0 We confirm having accepted your proposal submitted online on ETS portal and e-Reverse Auction held on 18.07.2024 from 14:30 Hrs for the subject package read in conjunction with all the specifications, terms & conditions of the Bidding Documents including its Amendments & Clarifications and your letter/email referred to in Para 1.0 above and award on you the contract for the work of Ex-works (India) supply of all plant and equipment including mandatory spares for "26 MW FLOATING SOLAR PV PROJECT AT RESERVOIR- 1B OF NTPC SIPAT" as per specifications and scope defined in the Bidding Document No. RE-CS-5807-004-9 read in conjunction with its Amendments & Clarifications referred to in Para 1.0 above (hereinafter referred to as 'First Contract').

3.0 We have also notified you vide our Notification of Award No. RE-CS-5807-004-9-SC-NOA-256 dated 06.11.2024 for award of "Second Contract" on you for the work of providing all services excluding Civil works i.e. Inland Transportation for Delivery at Site, Inland Transit Insurance, Unloading, Storage, Handling at Site, Installation, insurance covers other than Inland Transit Insurance Testing and Commissioning and conducting Guarantee tests in respect of all the equipment supplied under the 'First Contract', as referred to in para 2.0 above for "26 MW FLOATING SOLAR PV PROJECT AT RESERVOIR- 1B OF NTPC SIPAT" as per Bidding Document No. RE-CS-5807-004-9 read in conjunction with its Amendments & Clarifications referred to in Para 1.0 above (hereinafter referred to as 'Second Contract').

3.1 We have also notified you vide our Notification of Award No. RE-CS-5807-004-9-TC-NOA-257 dated 06.11.2024 for award of "Third Contract" on you for Civil Works as specified in the Contract/ Bidding Documents for "26 MW FLOATING SOLAR PV PROJECT AT RESERVOIR- 1B OF NTPC SIPAT" as per specifications and scope defined in Bidding Document No. RE-CS-5807-004-9 read in conjunction with its Amendments & Clarifications referred to in Para 1.0 above (hereinafter referred to as 'Third Contract').

Souvik Kundu
शौभिक कुंडु / SOUVIK KUNDU
सहायक महाप्रबंधक (इलेक्ट्रिकल)
Assistant General Manager (Electrical)
ब्रिज एंड रूफ कम्पनी (इण्डिया) लिमिटेड
BRIDGE AND ROOF CO. (INDIA) LIMITED

- 3.2 We have also notified you vide our Notification of Award No **RE-CS-5807-004-9-FRC-NOA-258 dated 06.11.2024** for award of "Fourth Contract" on you for Comprehensive Operation & maintenance of SPV Plant along with electrical equipment, consumables, and spare parts for a period of Three years (03) from the date of commissioning of Full Project Capacity and Annual Maintenance Contract (AMC) of the equipment (hereinafter referred as **"O&M contract"**) of **"26 MW FLOATING SOLAR PV PROJECT AT RESERVOIR- 1B OF NTPC SIPAT"** as per specifications and scope defined in Bidding Document No. **RE-CS-5807-004-9** read in conjunction with its Amendments & Clarifications referred to in Para 1.0 above (hereinafter referred to as **'Fourth Contract'**).
- 3.3 You shall also be fully responsible for the works to be executed under the 'Second Contract' and/or 'Third Contract' and/ or 'Fourth Contract' and it is expressly understood and agreed by you that any breach under the 'Second Contract' and/or 'Third Contract' and/ or 'Fourth Contract' shall automatically be deemed as a breach of this 'First Contract' and vice-versa and any such breach or occurrence or default giving us a right to terminate the 'Second Contract' and/or 'Third Contract' and/ or 'Fourth Contract' and/or recover damages thereunder, shall give us an absolute right to terminate this Contract and/or recover damages under this 'First Contract' as well and vice-versa. However, such breach or default or occurrence in the 'Second Contract' and/or 'Third Contract' and/ or 'Fourth Contract' shall not automatically relieve you of any of your responsibilities/obligations under this 'First Contract'. It is also expressly understood and agreed by you that the equipment/materials to be supplied by you under this Contract when installed and commissioned by you under the 'Second Contract' and 'Third Contract' and operated and maintained by you under the 'Fourth Contract' shall give satisfactory performance in accordance with the provisions of the Contract.
- 4.0 The total Contract Price for the entire scope of work covered under the Contract shall be **INR 105,50,07,926/- (Indian Rupees One Hundred Five Crore Fifty Lakh Seven Thousand Nine Hundred Twenty-Six Only)** as per the following break-up:

Sl. No.	Particulars	Contract Price in INR*
1.	Ex-manufacturing Works/ Place of despatch (both in India) price for Main Equipment	105,00,07,926.00
2.	Ex- manufacturing Works/ Place of despatch (both in India) price for Mandatory spares	50,00,000.00
TOTAL First Contract Price (1+2)*		105,50,07,926.00

* In addition to above, the applicable Goods and Service Tax (GST) payable in accordance with the provisions of Bidding Documents shall be as under:

Sl. No.	Particulars	Rate of GST (%)	Amount on which GST is applicable (in INR)	Total GST payable (in INR)
A.	GST on Ex-manufacturing Works/ Place of despatch (both in India) price for Main Equipment	13.8	105,00,07,926.00	14,49,01,094.00

Souvik Kundu

शौभिक कुंडु / SOUVIK KUNDU
सहायक महाप्रबंधक (इलेक्ट्रिकल)
Assistant General Manager (Electrical)
ब्रिज एंड रूफ कम्पनी (इण्डिया) लिमिटेड
BRIDGE AND ROOF CO. (INDIA) LIMITED

Sl. No.	Particulars	Rate of GST (%)	Amount on which GST is applicable (in INR)	Total GST payable (in INR)
B.	GST on Ex- manufacturing Works/ Place of despatch (both in India) price for Mandatory spares	13.8	50,00,000.00	6,90,000.00
TOTAL GST Payable for First Contract (A+B)				14,55,91,094.00

- 5.0 You shall prepare and finalize the Contract Documents for signing of the formal Contract Agreement and shall enter into the Contract Agreement with us, as per the proforma enclosed with the Bidding Documents, on non-judicial stamp paper of appropriate value within 28 days from the date of this Notification of Award.
- 6.0 In addition to the contract performance security, you have to provide security in the form of Bank Guarantee/ Insurance Security Bond against annual generation quoted corresponding to DC:AC ratio in terms of Appendix-3B, Sub-section-1A, Section-VI (Technical Specification), since the quoted DC: AC ratio is greater than 1.5.
- 7.0 This Notification of Award is being issued to you in duplicate. We request you to return its duplicate copy duly signed and stamped on each page including all the enclosed Appendices, by the authorised signatory of your company as a proof of your acknowledgement and confirmation.

Please take the necessary action to commence the work and confirm action.

Thanking you

Yours Faithfully
For and on behalf of NTPC Ltd.

HEMANT Digitally signed by HEMANT
Date: 2024.11.06 12:11:28
+05'30'
(Hemant)

AGM (Contract Services)
E-mail: hemants@ntpc.co.in

Enclosure a/a: Appendix-I: Price Break up and attachment-3P.

Souvik Kundu
शौभिक कुंडु / SOUVIK KUNDU
सहायक महाप्रबंधक (इलेक्ट्रिकल)
Assistant General Manager (Electrical)
ब्रिज एंड रूफ कम्पनी (इण्डिया) लिमिटेड
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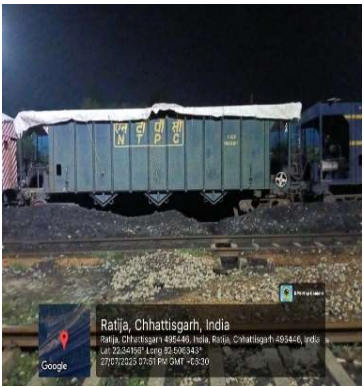
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Date : 26.07.2025



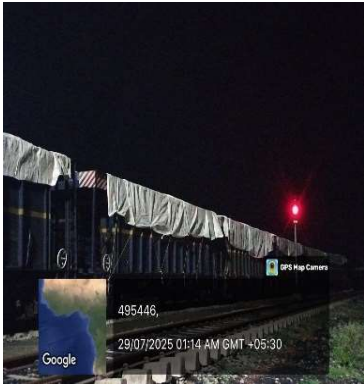
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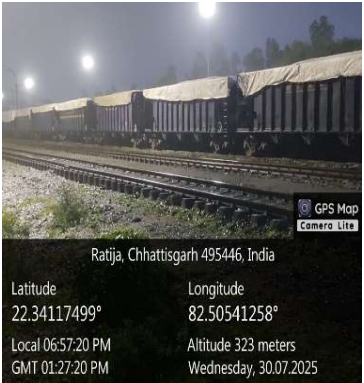
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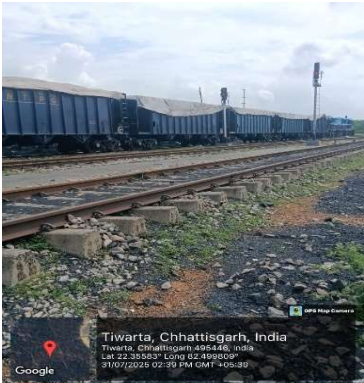
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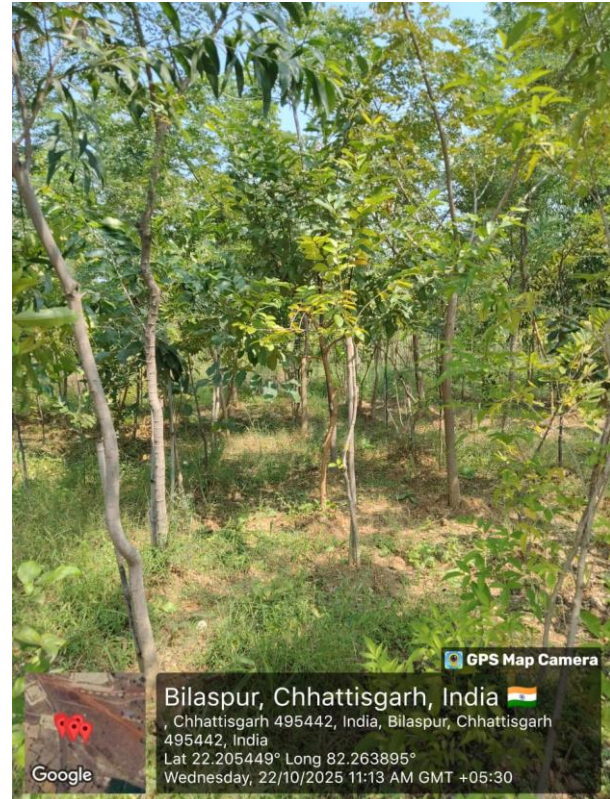


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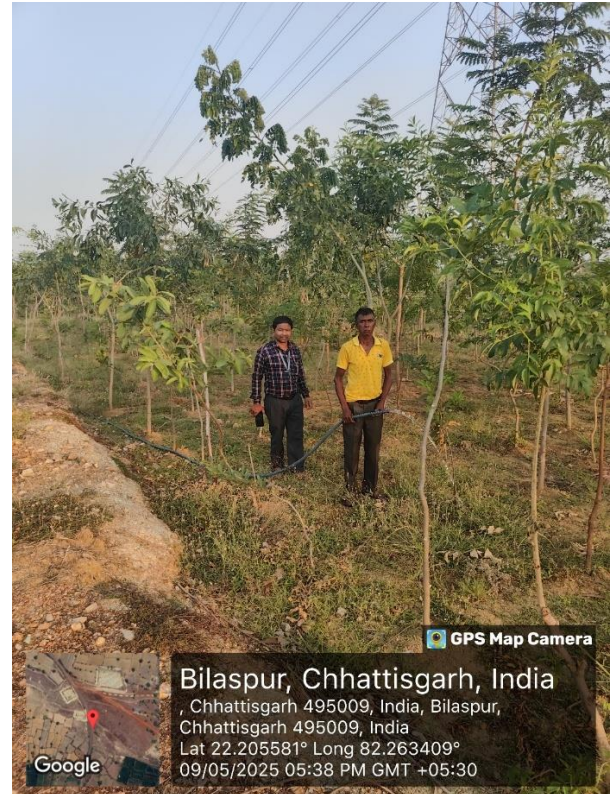


Attachment to condition No 7(iii) of EC Stage I Amendment dated 24.12.2021

Miyawaki plantation with 32,000 Numbers of Trees planted by NTPC Sipat at Bhilmi, Bilaspur district.



Photos taken on 22.10.2025



Photos taken on 09.05.2025

Attachment to EC Condition No 3 of Stage I Amendment dated 17.05.2018

Sipat Super Thermal Power Station

Ambient Air Quality Around MGR												
Month	Lutra		Bitkula		Nirtu		Jhanjh		Utarda		Nevsa	
	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Apr-25	41.01	24.40	41.56	24.64	42.70	25.08	39.82	23.15	42.37	25.31	41.21	24.46
May-25	41.28	23.21	41.83	24.18	42.96	25.40	40.43	22.59	42.88	24.13	41.34	24.41
Jun-25	40.68	22.44	41.50	23.79	41.04	22.75	39.22	21.76	42.32	24.26	40.33	22.76
July-25	40.78	21.73	40.76	22.54	39.66	22.53	38.63	21.19	40.56	23.24	39.29	22.01
Aug-25	38.54	20.19	39.42	21.33	39.19	20.94	37.19	19.40	40.15	21.70	38.09	20.44
Sep-25	37.54	19.34	38.43	20.21	38.08	19.94	36.31	18.44	39.10	20.67	37.20	19.50