



J-13012/65/2008-IA.II (T)
Government of India
Ministry of Environment & Forests

Ph: 011-24364067
Paryavaran Bhawan
CGO Complex, Lodi Road
New Delhi-110 003

Dated: 17th February, 2014.

To

M/s NTPC Ltd.,
NTPC Bhawan, SCOPE Complex,
7, Industrial Area, Lodhi Road,
New Delhi-110 003.

Sub: 2x800 MW (Stage-I) Darlipali Supercritical Coal Based Thermal Power Plant at village Darlipali, in Lephripara Taluk, in Sundergarh Distt., in Orissa -reg. Environmental Clearance.

Sir,

The undersigned is directed to refer to your letters dated 30.08.2011, 12.10.2011, 19.12.2011, 29.02.2012, 17.01.2014 and 21.01.2014 on the subject mentioned above. The Ministry of Environment & Forests has examined the application.

2. It has been noted that the proposal is for setting up of 2x800 MW (Stage-I) Supercritical Coal Based Thermal Power Plant at village Darlipali, in Lephripara Taluk, in Sundergarh Distt., in Orissa. Land requirement will be 1670 acres out of which 1278.74 acres is private land, 338.97 acres is Govt. land and 34.47 acres is forest land. The co-ordinates of the site are located within Latitude 21⁰52'57" N to 22⁰03'32"N and Longitude 83⁰49'29" E to 83⁰57'31"E. Coal requirement will be 8.0 MTPA. Coal will be obtained from Dulanga (7.0MT) and Pakri Barwadih Coal Block (1.0MT). About 7000 Tonnes/day fly ash and 1800 Tonnes/day bottom ash will be generated. Two Stacks of 275m will be provided. Water requirement will be 4750 m³/hr and will be sourced from the Hirakund Reservoir on the Mahanadi River through a pipeline at over a distance of about 30.0 km from project site. Commitment letter of Water linkage has been obtained on 17.06.2006 from the Govt. of Orissa. Closed Cycle cooling system with cooling tower will be installed. There are no National Parks, Wildlife Sanctuaries, Heritage Sites, Tiger/Biosphere reserves etc. within 10 km of the site. Public Hearing was held on 30.04.2011. Cost of the project will be Rs. 11396.95 Crores.

3. The project has been considered in accordance with the provisions of the EIA notification issued by the Ministry of Environment & Forests vide S.O. 1533 (E), dated September 14, 2006.

4. Based on the information submitted by you, as at Para 2 above and others and presentation made before the Expert Appraisal Committee (Thermal Power) in its 36th, 40th meeting and 10th meeting held during November, 14-15, 2011, January 9-10, 2012 and 21st January, 2014 respectively by you and your consultant viz. M/s

Kirloskar Consultants Ltd., Pune, the Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification dated September 14, 2006, subject to the compliance of the following Specific and General conditions:

A. Specific Conditions:

- (i) Vision document specifying prospective plan for the site shall be formulated and submitted to the Regional Office of the Ministry within **six months**.
- (ii) Scheme for implementation for harnessing solar power within the premises of the plant particularly at available roof tops shall be formulated and status of implementation shall be submitted to the Regional Office of the Ministry from time to time.
- (iii) Provision for installation of FGD shall be provided for future use.
- (iv) Coal transportation to plant site shall be undertaken by rail and no road transportation shall be permitted.
- (v) Fly ash shall not be used for mine void filling or for agricultural purpose.
- (vi) A detailed study on chemical composition particularly heavy metal and radio activity contents shall be carried out through a reputed institute and report shall be submitted to Regional Office of the Ministry. Only after ascertaining its radioactive level shall fly ash be utilized for brick manufacturing or supplied to brick manufacturers.
- (vii) The project proponent shall carry out a long term R&D on Boiler efficiency vis-à-vis large variation on ash content of coal and submit its findings to the Ministry at a later stage.
- (viii) The two stacks of 275m height with flue gas velocity not less than 22 m/s shall be installed and provided with continuous online monitoring equipments for SO_x, NO_x and PM_{2.5} & PM₁₀. Mercury emissions from stack may also be monitored on periodic basis.
- (ix) High Efficiency Electrostatic Precipitators (ESPs) shall be installed to ensure that particulate emission does not exceed 50 mg/Nm³.
- (x) Adequate dust extraction system such as cyclones/ bag filters and water spray system in dusty areas such as in coal handling and ash handling points, transfer areas and other vulnerable dusty areas shall be provided.
- (xi) Utilisation of 100% Fly Ash generated shall be made from **4th** year of operation. Status of implementation shall be reported to the Regional Office of the Ministry from time to time.

- (xii) High concentration slurry disposal systems shall be adopted.
- (xiii) Fly ash shall be collected in dry form and storage facility (silos) shall be provided. Unutilized fly ash shall be disposed off in the ash pond in the form of slurry form. Mercury and other heavy metals (As,Hg, Cr, Pb etc.) will be monitored in the bottom ash as also in the effluents emanating from the existing ash pond. No ash shall be disposed off in low lying area.
- (xiv) Ash pond shall be lined with HDPE/LDPE lining or any other suitable impermeable media such that no leachate takes place at any point of time. Adequate safety measures shall also be implemented to protect the ash dyke from getting breached. Ash pond water shall be re-circulated and utilized.
- (xv) Sulphur and ash contents in the coal to be used in the project shall not exceed 0.5 % and 34 % respectively at any given time. In case of variation of coal quality at any point of time fresh reference shall be made to the Ministry for suitable amendments to environmental clearance condition wherever necessary.
- (xvi) Hydrogeology of the area shall be reviewed annually from an institute/ organization of repute to assess impact of surface water and ground regime (especially around ash dyke). In case any deterioration is observed specific mitigation measures shall be undertaken and reports/ data of water quality monitored regularly and maintained shall be submitted to the Regional Office of the Ministry.
- (xvii) No ground water shall be extracted for use in operation of the power plant even in lean season.
- (xviii) 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.
- (xix) 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.
- (xx) Land and Water requirement shall be restricted as per latest CEA norms issued.
- (xxi) COC of 5.0 shall be adopted. Closed cycle cooling system with cooling towers shall be adopted.
- (xxii) Regular monitoring of ground water level shall be carried out by establishing a network of existing wells and constructing new piezometers. Monitoring around the ash pond area shall be carried out particularly for heavy metals (Hg,Cr,As,Pb) and records maintained and submitted to the Regional Office of this Ministry. The data so obtained should be compared with the baseline data so as to

ensure that the ground water quality is not adversely affected due to the project.

- (xxiii) Monitoring surface water quality and quantity in the area shall also be regularly conducted and records maintained. The monitored data shall be submitted to the Ministry regularly. Further, monitoring points shall be located between the plant and drainage in the direction of flow of ground water and records maintained. Monitoring for heavy metals in ground water shall be undertaken.
- (xxiv) Waste water generated from the plant shall be treated before discharge to comply limits prescribed by the SPCB.
- (xxv) The project proponent shall undertake rain water harvesting measures and shall develop water storage for use in operation of the plant. Rain water harvesting system shall be put in place which shall comprise of rain water collection from the built up and open area in the plant premises. Action plan for implementation shall be submitted to the Regional Office of the Ministry **within six months**.
- (xxvi) Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
- (xxvii) Atleast three nearest village shall be adopted and basic amenities like development of roads, drinking water supply, primary health centre, primary school etc shall be developed in co-ordination with the district administration.
- (xxviii) The project proponent shall also adequately contribute in the development of the neighbouring villages. Special package with implementation schedule for providing potable drinking water supply in the nearby villages and schools shall be undertaken in a time bound manner.
- (xxix) CSR scheme should address Public Hearing issues and shall be undertaken based on need based assessment in and around the villages within 5.0 km of the site and in constant consultation with the village Panchayat and the District Administration. As part of CSR employment of local youth after imparting relevant training as may be necessary shall be undertaken as committed.
- (xxx) Rights of tribals and others, whose sustenance is dependent on the land (if any) falling in the project area, shall be identified and protected in accordance with existing laws.
- (xxxi) An amount of Rs 46.0 Crores shall be earmarked as one time capital cost for CSR programme as committed by the project proponent. Subsequently a recurring expenditure of Rs 9.10 Crores per annum till the life of the plant shall be earmarked as recurring expenditure for CSR activities. Details of the activities to be

undertaken shall be submitted within six month along with road map for implementation.

(xxxii) It shall be ensured that an in-built monitoring mechanism for the CSR schemes identified is in place and annual social audit shall be got done from the nearest government institute of repute in the region. The project proponent shall also submit the status of implementation of the scheme from time to time. The achievements should be put on company's website.

(xxxiii) Green Belt consisting of 3 tiers of plantations of native species around plant and 100 m width shall be raised. The density of trees shall not less than 2500 per ha with survival rate not less than 80 %. Additional green belt of appropriate density and width not less than 50 m atleast, shall be developed between the ash pond and the village facing the ash pond.

(xxxiv) An Environmental Cell shall be created at the project site itself and shall be headed by an officer of appropriate seniority and qualification. It shall be ensured that the head of the Cell shall directly report to the Head of the Organization.

B. General Conditions:

- (i) The treated effluents conforming to the prescribed standards only shall be re-circulated and reused within the plant. Arrangements shall be made that effluents and storm water do not get mixed.
- (ii) A sewage treatment plant shall be provided (as applicable) and the treated sewage shall be used for raising greenbelt/plantation.
- (iii) Adequate safety measures shall be provided in the plant area to check/minimize spontaneous fires in coal yard, especially during summer season. Copy of these measures with full details along with location plant layout shall be submitted to the Ministry as well as to the Regional Office of the Ministry.
- (iv) Storage facilities for auxiliary liquid fuel such as LDO/ HFO/LSHS shall be made in the plant area in consultation with Department of Explosives, Nagpur. Sulphur content in the liquid fuel shall not exceed 0.5%. Disaster Management Plan shall be prepared to meet any eventuality in case of an accident taking place due to storage of oil.
- (v) First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.
- (vi) Noise levels emanating from turbines shall be so controlled such that the noise in the work zone shall be limited to 85 dB(A) from source. For people working in the high noise area, requisite personal protective equipment like earplugs/ear muffs etc. shall be provided. Workers engaged in noisy areas such as turbine area, air compressors etc shall be periodically examined to maintain

audiometric record and for treatment for any hearing loss including shifting to non noisy/less noisy areas.

- (vii) Regular monitoring of ambient air ground level concentration of SO₂, NO_x, PM_{2.5} & PM₁₀ and Hg shall be carried out in the impact zone and records maintained. If at any stage these levels are found to exceed the prescribed limits, necessary control measures shall be provided immediately. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with SPCB. Periodic reports shall be submitted to the Regional Office of this Ministry. The data shall also be put on the website of the company.
- (viii) Provision shall be made for the housing of construction labour (as applicable) within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- (ix) The project proponent shall advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned within seven days from the date of this clearance letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the State Pollution Control Board/Committee and may also be seen at Website of the Ministry of Environment and Forests at <http://envfor.nic.in>.
- (x) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad / Municipal Corporation, urban local Body and the Local NGO, if any, from whom suggestions/representations, if any, received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
- (xi) The proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM (PM_{2.5} & PM₁₀), SO₂, NO_x (ambient levels as well as stack emissions) shall be displayed at a convenient location near the main gate of the company in the public domain.
- (xii) 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 concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also 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 e-mail.
- (xiii) **The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment and Forests, its Regional Office, Central**

Pollution Control Board and State Pollution Control Board. The project proponent shall upload the status of compliance of the environment of the environmental clearance conditions on their website and update the same periodically and simultaneously send the same by e-mail to the Regional Office, Ministry of Environment and Forests.

(xiv) Regional Office of the Ministry of Environment & Forests will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report and Environment Management Plan along with the additional information submitted from time to time shall be forwarded to the Regional Office for their use during monitoring. Project proponent will up-load the compliance status in their website and up-date the same from time to time at least six monthly basis. **Criteria pollutants levels including NO_x (from stack & ambient air) shall be displayed at the main gate of the power plant.**

(xv) Separate funds shall be allocated for implementation of environmental protection measures along with item-wise break-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.

(xvi) The project authorities shall inform the Regional Office as well as the Ministry regarding the date of financial closure and final approval of the project by the concerned authorities and the dates of start of land development work and commissioning of plant.

(xvii) Full cooperation shall be extended to the Scientists/Officers from the Ministry / Regional Office of the Ministry / CPCB/ SPCB who would be monitoring the compliance of environmental status.

5. The Ministry of Environment and Forests reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the Ministry. The Ministry may also impose additional environmental conditions or modify the existing ones, if necessary.

6. The environmental clearance accorded **shall be valid for a period of 5 years** to start operations by the power plant.

7. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

8. In case of any deviation or alteration in the project proposed including coal transportation system from those submitted to this Ministry for clearance, a fresh reference should be made to the Ministry to assess the adequacy of the condition(s) imposed and to add additional environmental protection measures required, if any.

9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under,

Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008 and its amendments, the Public Liability Insurance Act, 1991 and its amendments.

10. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

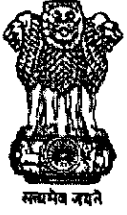
Yours faithfully,

(Dr. Saroj)
Director

Copy to:

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi 110001.
2. The Secretary, Department of Forests & Environment, Government of Orissa, Bhubaneswar.
3. The Chairman, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110066.
4. The Chairman, Orissa State Pollution Control Board, A-118, Nilkanta Nagar, Unit – VIII, Bhubaneswar- 751 012 - with a request to display a copy of the clearance letter at the Regional Office, District Industries Centre and Collector's office for 30 days.
5. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
6. The Chief Conservator of Forests, Eastern Regional Office, Ministry of Environment & Forests, A/3, Chandrasekharpur, Bhubaneswar -751023.
7. The District Collector, Sundergarh District, Govt. of Orissa.
8. Guard file.
9. Monitoring File.

(Dr. Saroj)
Director



File No: J-13012/65/2008-IA-II(T)
Government of India
Ministry of Environment, Forest and Climate Change

Indira Paryavaran Bhawan,
3rd Floor, Vayu Wing
Jor Bagh Road,
Aliganj, New Delhi-110003

Dated: 12.02.2019

To

Dr. Vijay Prakash
General Manager & HOD
M/s NTPC Ltd.
NTPC Bhawan, Scope Complex,
7, Institutional Area, Lodhi Road,
New Delhi-110003.

Email: vijayprakash@ntpc.co.in; **Tel. No.** 0120-2410331; **Fax No.** 0120-2410506.

Sub: 2x800 MW (Stage-I) Darlipali Supercritical Coal Based Thermal Power Plant at Village Darlipali, Lephripara Taluk, Sundergarh District, Odisha by M/s NTPC Ltd-. reg. amendment in EC for road transportation.

Sir,

The undersigned is directed to refer your online application no. **IA/OR/THE/21145/2011** dated 30.10.2018 for the above mentioned subject.

2. The Environmental Clearance for 2x800 MW Supercritical Thermal Power Plant was accorded on 17.12.2014. The coal requirement for both units is 8 Million Ton per Annum (MTPA). As per the EC, it was envisaged that 7 MTPA will be obtained from Dulanga mines and 1 MTPA from Pakri Barwadih Coal block. Water requirement of 1,14,000 m³/day is to be sourced from Hirakud Reservoir (Mahandi River) through a 30 km long pipeline. The revised Project Cost is Rs.12532.44 Crores.

3. The Condition No.iv of the Environmental Clearance dated 17.12.2014 is as follows:

“Coal transportation to plant site shall be undertaken by rail and no road transportation shall be permitted.”

4. It has been informed that the linked Dulanga mine operations were delayed due to de-allocation and re-allocation process carried out by the Hon'ble Supreme Court. Dulanga mine has already started production. However, it will reach estimated production of 3 MTPA only by March, 2020 which is not sufficient to run the single unit. Meanwhile, Ministry of Coal vide letter dated 2.6.2016 granted bridge linkage of 3.789 MTPA (12,000 TPD) coal for one unit (1x800 MW) for three years and further extended till 2022 on tapering basis. The quantities of coal from various subsidiaries are as below:

Sig

Coalfields	Quantity
Mahanadi Coalfields Ltd.	3.298 MTPA
South Eastern Coalfield Ltd.	0.491 MTPA
Total	3.789 PA

5. It has been informed that Unit-1 (1x800 MW) is expected to be commissioned by February, 2019 and Unit-2 (1x800 MW) will be commissioned by October, 2019. Also, the Merry Go Round Railway line also could not be completed now. The construction of complete MGR system catering to bridge linkage coal is expected to be commissioned by March, 2020.

6. Further, MoC in their bridge linkage has not mentioned any specific mine from which coal is supplied. In absence of any specific mine, MCL or SECL will provide the coal as per the availability from any of its mines and it is to be transported by road.

7. It has been proposed to transport coal by road from MCL, SECL and Dulanga mine to Power Plant site with maximum quantity of 19,000 TPD using 20 or 25 Ton capacity trucks for 23 months, i.e. December, 2018 till October, 2020. The traffic impact assessment study has been submitted for all proposed five routes.

8. The proposal has been considered by the Re-constituted EAC (Thermal Power) in 23rd meeting held on 30.11.2018. The EAC has recommended for the following quantities of coal by road against the proposed quantities:

Route No	Coal source for Dariapalli STPP	Route length	Proposed Quantity	Recommended quantity by EAC	Remarks
1	Kulda and Basundhra area mines of MCL	24.3 km	11000 TPD	8000 TPD	-
2	Dulanga CMP	31.6 km	6000 TPD	6000 TPD	To be started only after widening of the road.
3	Ib Valley area mines of MCL	74.4 km	1500 TPD	1500 TPD	-
4	Lakhanpur area mines of MCL	69.2 km	1500 TPD	1500 TPD	-
5	Kotaria railway siding (SECL Mines)	148.2 km	1000 TPD	-	-
Total quantity			21,000 TPD	17,000 TPD	-

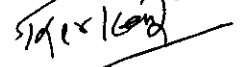
9. In acceptance of the recommendations of the Re-constituted EAC (Thermal Power) in its meeting held on 30.11.2018 and the information/clarifications and documents submitted by you with regard to the above-mentioned project proposal, **the Ministry hereby amends the EC for change in coal source from Dulanga mine to SECL and MCL mines including Dulanga mine and accords the temporary permission for transportation of 17,000 Tons per Day coal by road (Route 1: Basundhara/Kulda-8000 TPD; Route-2: Dulanga-6000 TPD; Route-3: Lajkura/Samleswari- 1500 TPD; Route-4: MCL Mines-1500 TPD) till October, 2020** subject to the following additional conditions:

- i. The coal linkage is available only for 3.8 MTPA. Copy of the linkage for remaining quantity shall be submitted to Ministry as and when it is granted.
- ii. Route No.2 from Dulanga mines to the Power plant site shall not be used at present as it is under widening. The transportation shall be commenced only after widening the road to cater to the proposed transportation. A certificate regarding the completeness and adequacy of the road shall be submitted provided by the PWD or the custodian of the road.
- iii. Air quality monitoring shall be carried out at 19 census points indicated in the report along all routes once in quarter.
- iv. Plantation shall be carried out along the road in consultation with State Social Forestry Department.
- v. Regular water sprinkling shall be done on the unpaved roads during transportation.
- vi. The detailed progress report of the power plant & railway siding which are under construction and status of installation of FGD shall be submitted to the Ministry as well as Regional Office once in six months.

10. All other conditions stipulated in the Ministry's even letter dated 17.12.2014 shall remain the same, as applicable.

This issues with the approval of the Competent Authority.

Yours faithfully,



(Dr. S. Kerketta)
Director, IA.I

Copy to:-

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi 110001.
2. The Chairman, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110066.
3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
4. The Additional Principal Chief Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (EZ), A/3, Chandrasekharpur, Bhubaneswar-751023.

5. The Principal Secretary, Forest & Environment Department, Govt. of Odisha, State Silvicultural Garden, Khandagiri, Bhubaneswar, Odisha-751003.
6. The Chairman, Odisha State Pollution Control Board, A-118, Nilkanta Nagar, Unit-VIII, Bhubaneswar-751012.
7. The District Collector, Sundergarh District, Govt. of Odisha, Sundergarh, Odisha-770001.
8. Guard/Monitoring file.
9. Website of MoEF&CC.


(Dr. S. Kerketta)
Director, IA.I



File No. J-13012/65/2008-IA.II(T)
Government of India
Ministry of Environment, Forest and Climate Change

3rd Floor, Vayu Block,
Indira Paryavaran Bhawan, Jor Bagh Road,
Aliganj, New Delhi-110003

Dated: 11.08.2020

To ✓

The General Manager (Environment)
M/s. NTPC Ltd.,
Sector-24,
Noida-201301, U.P.

Sub: 2x800 MW (Stage-I) Darlipali Supercritical Coal Based Thermal Power Plant at Village Darlipali, Lephripara Taluk, Sundergarh District, Odisha by M/s NTPC Ltd.

2x660 MW Super-Critical Technology Coal Based Solapur Thermal Power Plant at Villages Fatatewadi & Ahirwadi, South Solapur Taluk, in Solapur District Maharashtra by M/s NTPC Ltd.
(F.No.J-13012/95/2008-IA.II(T))

3x800 MW (Stage-I) Kudgi Super Thermal Power Plant at Village Kudgi, Basavana Bagevadi Taluk, Bijapur District, Karnataka by M/s NTPC Ltd.
(F.No.J-13012/06/2009-IA.II(T))

2x800 MW (Stage-I) Gadarwara Super Thermal Power Project near Villages Gangai, Umaraiya, Mehrakheda, Chorbarheta, Dongergaon and Kudari, Gadarwara Tehsil, Narsinghpur District, Madhya Pradesh by M/s NTPC Ltd.
(F.No.J-13012/125/2009-IA.II(T))

2x660 (Stage-II) Mouda Thermal Power Project at Village Mouda, Kumbhari, Lapka, Koradi and Rahli, Taluk Mouda, Dist. Nagpur in Maharashtra by M/s NTPC Ltd.-reg. amendment in EC.
(F.No.J-13012/65/2009-IA.II(T))

Sir,

The undersigned is directed to refer your online application No.IA/OR/THE/105399/2019 dated 14.5.2019, IA/MH/THE/105566/2019 dated 16.5.2019, IA/KA/THE/105615/2019 dated 16.5.2019, IA/MP/THE/105718/2019 dated 17.5.2019 and IA/MH/THE/105652/2019 dated 17.6.2019 regarding amendment of EC conditions pertaining to implementation of Corporate Social Responsibility (CSR) activities.

2. The specific condition No. xxxi of the EC (Darlipali TPP) dated 17.2.2014 is as follows:

"An amount of Rs.46.0 Crores shall be earmarked as one time capital cost for CSR programme as committed by the project proponent. Subsequently a recurring expenditure of Rs.9.10 Crores per annum till the life of the plant shall be earmarked as recurring expenditure for CSR activities. Details of the activities to be undertaken shall be submitted within six month along with road map for implementation."

3. The specific condition No. xxvi of the EC (Solapur TPP) dated 27.12.2010 is as follows:

"Further an amount of Rs.42.0 Crores shall be earmarked as one time capital cost for CSR programme as committed by the project proponent. Subsequently a recurring expenditure of Rs.8.4 Crores per annum till the operation of the plant shall be earmarked as recurring expenditure for CSR activities. Details of the activities to be undertaken shall be submitted within six month with road map for implementation."

4. The specific condition No. xxxiv of the EC (Kudgi TPP) dated 25.1.2012 is as follows:

"An amount of Rs.52.80 Crores shall be earmarked as one time capital cost for CSR programme as committed by the project proponent. Subsequently a recurring expenditure of Rs.10.6 Crores per annum till the life of the plant shall be earmarked as recurring expenditure for CSR activities. Details of the activities to be undertaken shall be submitted within six month along with road map for implementation."

5. The specific condition No. xiii of the EC (Gadarwara TPP) dated 22.3.2013 is as follows:

"An amount of Rs.45.60 Crores shall be earmarked as one time investment shall be earmarked for activities to be taken up under CSR during construction phase of the project. A detailed CSR Action Plan be furnished to the Ministry within 3 months. Recurring expenditure for CSR thereafter shall be Rs.9.2 Crores per annum till the life of the plant. Social Audit by a reputed University or an Institute shall be carried out annually and details to be submitted to MoEF besides putting it on Company's website."

6. The specific condition No. xxi of the EC (Mouda TPP) dated 30.12.2010 is as follows:

"Further an amount of Rs.27.0 Crores shall be earmarked as one time capital cost for CSR programme as committed by the project proponent. Subsequently, a recurring expenditure of Rs.5.4 Crores per annum till the operation of plant shall be earmarked as recurring expenditure for CSR activities. Details of the activities to be undertaken shall be submitted within six month along with road map for implementation."

7. It has been noted that you have requested for aligning the conditions w.r.t. CSR activities inline with the Section 135 of the Companies Act, 2013. The proposal was appraised by the EAC (Thermal Power) in its meeting held on 28.5.2019 and the EAC recommended to align the existing conditions inline with the Companies Act, 2013. The EAC also recommended to report the amount of 2% on profits to be spent under CSR, and the implementation of activities thereof.

8. The Ministry has examined the matter. It has been noted that the CSR is in the domain of Ministry of Corporate Affairs under the Companies Act, 2013. The stipulation of conditions pertaining to CSR by MoEF&CC will create ambiguity in multiple reporting and duplication.

9. In view of the above, **the Ministry hereby deletes the above mentioned conditions related to CSR in the Environmental Clearances dated 17.2.2014, 27.12.2010, 25.1.2012, 22.3.2013 and 30.12.2010 with immediate effect.**

10. All other conditions mentioned in this Ministry's letter No.J-13012/65/2008-IA.II(T) dated 17.2.2014, J-13012/95/2008-IA.II(T) dated 27.12.2010, J-13012/06/2009-IA.II(T) dated 25.1.2012, J-13012/125/2009-IA.II(T) dated

22.3.2013, and J-13012/65/2009-IA.II(T) dated 30.12.2010, shall remain the same, as applicable.

This issues with the approval of the Competent Authority.

Yours faithfully,



(Dr. S. Kerketta)
Director, IA.I

Copy to:-

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi 110001.
2. The Chairman, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110066.
3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
4. The DDG, MoEF&CC, Bhopal.
5. The DDG, MoEF&CC, Bhubaneswar.
6. The DDG, MoEF&CC, Bangalore.
7. The Deputy Director General of Forests (C), Ministry of Env., Forest and Climate Change, Regional Office (WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur- 440001.
8. The Principal Secretary, Department of Environment, Mantralaya, Govt. of Maharashtra, Mumbai-400032.
9. The Principal Secretary, Department of Environment, Govt. of Odisha, Bhubaneswar.
10. The Principal Secretary, Department of Environment, Govt. of Madhya Pradesh.
11. The Principal Secretary, Department of Environment, Govt. of Karnataka.
12. The Chairman, Maharashtra Pollution Control Board, Kalpataru Point, 3rd & 4th Floors, Sion Matunga Scheme Road No. 6, Opp. Cine Planet, Sion Circle, Sion (E), Mumbai - 400 022.
13. The Chairman, State Pollution Control Board, Odisha.
14. The Chairman, Madhya Pradesh Pollution Control Board, Bhopal.
15. The Chairman, Karnataka Pollution Control Board, Bengaluru.
16. Monitoring/Guard file.
17. Website of MoEF&CC.



Director, IA.I

F. No. J-13012/65/2008-IA.II (T)
Government of India
Ministry of Environment, Forests & Climate Change
(Impact Assessment Division)

Indira Paryavan Bhavan
2nd Floor, Vayu Wing,
Aliganj, Jor Bagh Road
New Delhi - 110 003

Dated: 24th December, 2021

To,

Dr. Vijay Prakash

The Head of Department Environment Engineering,
M/s NTPC Limited
NTPC Engineering Office Complex, Sector-24
Noida, Gautam Buddha Nagar - 201 301, Uttar Pradesh

Sub: Darlipali Supercritical Coal Based Thermal Power Plant 2x800 MW (Stage-I) in an area of 1670 acres located at village Darlipali, Tehsil Lephripam, District Sundergarh, Orissa by M/s NTPC Limited - Amendment in Environmental Clearance - reg.

Sir,

This has reference to your online Proposal No. IA/OR/THE/237472/2021 and letter dated 5th November, 2021 submitted to the Ministry for amendment in Environmental Clearance to the project cited in the subject.

2 The Ministry of Environment, Forest and Climate Change has considered the application. It is noted that the proposal is for amendment of Environmental Clearance to Darlipali Supercritical Coal Based Thermal Power Plant 2x800 MW (Stage-I) in an area of 1670 acres located at village Darlipali, Tehsil Lephripam, District Sundergarh, Orissa by M/s NTPC Limited.

3 The proposal was considered by the Expert Appraisal Committee (EAC) for Thermal Power Projects in its 16th EAC Meeting held on 18th November, 2021. The comments and observations of EAC on the project may be seen in the Minutes of the meeting which are available on the web-site of this Ministry.

4 It has been noted that Environmental Clearance was accorded by MoEF&CC vide letter of even no. dated 17th February, 2014 for 2x800 MW (Stage-I) Darlipali Supercritical Coal Based Thermal Power Plant at village Darlipali, Lephripam Taluk, Sundergarh District, Orissa. Subsequently, amendments in EC was accorded on 12th February, 2019 and 11th August, 2020. In EC dated 17th February, 2014 **Specific Condition (viii)** was stipulated as below:

"The two stacks of 275m height with flue gas velocity not less than 22 m/s shall be installed and provided with continuous online monitoring equipment for SO₂, NO_x, and PM_{2.5} & PM₁₀. Mercury emissions from stack may also be monitored on periodic basis."

5 The project proponent has requested that since instruments for online monitoring of PM_{2.5} & PM₁₀ in stack emissions are not available, the **Specific Condition (viii)** of EC dated 17th February, 2014 may be amended as below:



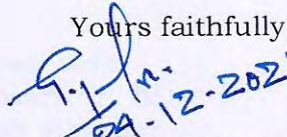
“The two stacks of 275m height with flue gas velocity not less than 22 m/s shall be installed and provided with continuous online monitoring equipment for SO₂, NO_x, and PM. Mercury emissions from stack may also be monitored on periodic basis.”

6 The sectoral Expert Appraisal Committee after detailed deliberations in its 16th meeting held on 18th November, 2021 through Video conferencing on the information submitted and as presented, recommended the proposal for aforesaid amendment in Environmental Clearance. Based on recommendation of EAC, Ministry hereby grants the amendments as requested by the PP in **Specific Condition (viii)** Environmental Clearance dated 17th February, 2014 to Darlipali Supercritical Coal Based Thermal Power Plant 2x800 MW (Stage-I) in an area of 1670 acres located at village Darlipali, Tehsil Lephripam, District Sundergarh, Orissa by M/s NTPC Limited, under the provisions of EIA Notification, 2006 and as amended subject to the compliance of the following additional specific conditions for environmental safeguards:

- i. 24x7 online Continuous monitoring system for ambient air quality parameters SO_x, NO_x and PM shall be established with connected server to CPCB and SPCB.
- ii. Other conditions of the EC letter dated 17th February, 2014 and amendment letters dated 12th February, 2019 and 11th August, 2020 shall remain unchanged.

7 This issues with the approval of the Competent Authority.

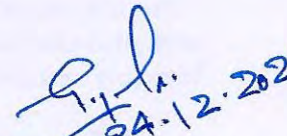
Yours faithfully,


(Yogendra Pal Singh)
Scientist 'E'

Email id: yogendra78@nic.in
Tele fax: 011-24695365

Copy to:

- 1) The Secretary, Ministry of Power, Shram Shakti Bhawan, Rali Marg, New Delhi - 110 001.
- 2) The Chairman, Central Electricity Authority, Sewa 1 Bhawan, R.K. Puram, New Delhi - 110 066.
- 3) The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD cum-Office Complex, Last Arjun Nagar, Delhi - 110 032.
- 4) The Deputy Director General of Forests (C), Ministry of Env., Forest and Climate Change, Integrated Regional Office, A/3, Chandrasekharpur, Bhubaneswar - 751 023.
- 5) The Principal Secretary, Forest, Environment and Climate Change Department, Govt. of Odisha, Kharavel Bhavan, Bhubaneswar, Odisha - 751 001.
- 6) The Chairman, Odisha State Pollution Control Board, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit - VIII, Bhubaneswar - 751 012, Odisha.
- 7) The District Collector, Sundargarh, Odisha - 770 001.
- 8) Guard file/Monitoring File.
- 9) Website of MoEF&CC.


(Yogendra Pal Singh)
Scientist 'E'