



एक महारत्न कम्पनी

एन टी पी सी लिमिटेड
(भारत सरकार का उद्यम)

NTPC Limited
(A Govt. of India Enterprise)

दर्लिपालि/Darlipali

Ref. No. DSTPP/MOEF / 899

Dated: 24.04.2020

To,

**Member Secretary,
State Pollution Control Board, Odisha ,
A/118 ,Neelakantha Nagar, Unit-8,
Bhubaneswar -751012**

Sub-Six monthly progress report for the period October -2019 to March -2020.

Dear sir,

NTPC Ltd. is setting up 2x800 MW (stage-1) supercritical coal based thermal power plant at village Darlipali, in Lephripara Taluk, in Sundargarh Distt.,Odisha, which is presently under construction. Environmental clearance was accorded by the Ministry of Environment and Forest on 17th February 2014 subject to compliance of specific & general conditions of EC.

With reference to the general condition no. xiii, stipulated by Ministry of Environment & forests (MOEF) vide Environmental Clearance letter dated 17.02.2014 for Darlipali STPP(stage-1), we hereby are submitting six monthly progress reports for the period October -2019 to March -2020.

Thanking you

With Kind regards

Yours faithfully,


(Mohan Prasad Guru)

ADDITIONAL GENERAL MANAGER (EMG)

Enclosure: Six monthly progress report.

Copy: Regional officer, Odisha SPCB, Rourkela. : for kind information please

**: Diector,
ER Office, MoEF, Govt. of India, Bhubaneswar : for kind information please**

दर्लिपालि सुपर थर्मल पावर प्रोजेक्ट, पोस्ट-दर्लिपालि, जिला - सुन्दरगढ़-770072 (ओड़िशा), दूरभाष : 06622-262626, फैक्स : 06622-262627
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Corporate Identification No-L40101DL1975G01007966



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DARLIPALI SUPER THERMAL POWER PROJECT, STAGE-I (2X800 MW)**HALF YEARLY ENVIRONMENTAL MONITORING REPORT
(October 2019 to March 2020)****COMPLIANCE STATUS OF ENVIRONMENTAL CLEARANCE CONDITIONS***Vide Letter No. J- 13012/65/2008-IA, II (T) Dated 17th February 2014*

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| 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. | NTPC vide its letter dated 19.02.2014 has submitted a Project Vision Document to the Regional Office of Ministry of Environment and Forest & Climate Change (MoEF&CC) at Bhubaneswar. |
| (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 periodically to the Regional Office of the Ministry from time to time. | Work for 800 KWP roof top solar system has been started on 25.03.2019. All 2400 Roof Top Solar Panels manufacturing completed. Expected dispatched by 31 st May 2020. Installation work at site to start from 24 th April 2020 and completion by December 2020. |
| (iii) | Provision for installation of FGD shall be provided for future use. | Unit # 1 FGD Completion by June 2021 and Unit #2 by December 2021. |
| (iv) | Coal transportation to plant site shall be undertaken by rail and no road transportation shall be permitted. | Per day 10000 MT Coal transportation through rail in progress & as on date 5 Lakh MT Coal Stock is there. |
| (v) | Fly ash shall not be used for mine void filling or for agricultural purpose. | It is being complied. |
| (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. | A detailed study on chemical composition of coal used particularly heavy metal has been done by NIT Rourkela and report submitted to SPCB, Rourkela. Radio activity contents will be carried out through a reputed institute (BARC) and the report will be submitted to the concerned Regional Office of MoEF&CC. |

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| | | Manufacturing of brick shall be started only after ascertaining the radioactive level of the ash generated. |
| (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. | Will be complied during the operation phase of the project. Unit #1 Commercial Operation started on 01.03.2020. |
| (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} & PM ₁₀ . Mercury emissions from stack may also be monitored on periodic basis. | A bi-flue stack of 275 meters constructed. Also, the exit velocity of 22 m/sec is being maintained. Continuous online stack monitoring facility for measurement of particulate, SO ₂ , NO _x & Mercury emissions from stack are being done. |
| (ix) | High Efficiency Electrostatic Precipitators (ESPs) shall be installed to ensure that particulate emission does not exceed 50 mg/Nm ³ . | The High Efficiency Electrostatic Precipitators (ESPs) are designed with guaranteed efficiency of 99.93 % in order to restrict the particulate emission below 50 mg/Nm ³ under all design conditions in compliance to the latest MOEF&CC notification dated 07.12.2015 on emission from thermal power plant. |
| (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. | Adequate no. of dust suppression and extraction system are being provided in coal handling area including coal stock yard area, ash handling points, transfer areas and other vulnerable dusty areas for control of fugitive dust emissions. Dry fog dust suppression system is being provided at all transfer points. |
| (xi) | Utilization of 100% Fly Ash | Ash Utilization Plan has been |

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| | <p>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.</p> | <p>prepared in compliance to fly ash gazette notification dated 03.11.2009 and the same will be implemented during the operation phase of the project.</p> <p>50% in 1st Year 70% in 2nd Year 90% in 3rd Year 100% in 4th Year</p> <p>We have started issuing Fly Ash to Ash Bricks manufacturers. In the month of March 2020 245 MT Ash has been issued till 21st March 2020 and is stopped due to Lock down of India for CORONA.</p> <p>NPC,BBSR has conducted for latest potential of ash utilization survey around DSTPP.</p> |
| (xii) | <p>High concentration slurry disposal systems shall be adopted.</p> | <p>The project is designed to adopt High Concentration Slurry Disposal (HCSD) for disposal of fly ash. HCSD Silo for Unit#1 is in operation.</p> |
| (xiii) | <p>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.</p> | <p>An ash management scheme is being implemented through erection of 04 nos DAES with storage facility (silos) for supply of ash to entrepreneurs for utilization and promoting ash utilization to maximum extent and safe disposal of unused ash. The plant shall have two different systems for ash disposal – conventional wet slurry disposal with ash water re-circulation for bottom ash and High Concentration Slurry Disposal (HCSD) for fly ash. Bottom Ash Slurry disposal line to Ash Pond is in operation. Periodic monitoring for mercury & heavy metals in the bottom</p> |

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| | | ash and water emanating from ash pond is being done. |
| (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. | To avoid the ground water contamination from bottom ash slurry, the bottom ash lagoon -3 and Over Flow Lagoon have been lined with impervious liner of 300mm thickness. Soil has been blended with Bentonite solution to achieve the required permeability. The structure of ash dykes has been designed, constructed and will be operated as per State of the Art engineering practices for the design and construction of earth dams with adequate factor of Safety. The design of ash dyke has been done by taking into consideration of the seismic parameters. |
| (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. | The said stipulation is being complied. |
| (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 | Hydrogeological study of the project area has been conducted through National Institute of Hydrology (NIH), Roorkee. |



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| | 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. | No ground water has been 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. | No water body including natural drainage system of the area has been disturbed due to activities associated with the setting up 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. | Is being complied. |
| (xx) | Land and water requirement shall be restricted as per latest CEA norms issued. | Land and water requirement has been restricted as per the CEA norms. |
| (xxi) | COC of 5.0 shall be adopted. Closed cycle cooling system with cooling towers shall be adopted. | Closed cycle cooling system has been designed with maximum COC of 5 for optimization of water requirement. |
| (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. | Adequate (18nos) of piezometers has been installed for regular monitoring of ground water level in and around ash pond area as per stipulation. |

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| (xxiii) | Monitoring surface water quality 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. | Monitoring of Surface water areas is being carried out regularly as per stipulations and reports will be submitted to Regional Office of MoEF&CC (Eastern Zone) at Bhubaneswar during this financial year. Heavy metal monitoring in ground water shall be undertaken and results will be submitted during this financial year. |
| (xxiv) | Waste water generated from the plant shall be treated before discharge to comply limits prescribed by the SPCB. | An effluent management scheme (ETP, STP and Coal Settling pit) has been commissioned and will treat the wastewater as per the prescribed statutory standards of OSPCB/CPCB. The water system of Darlipali STPP, Stage-I has been designed with Zero Liquid Discharge (ZLD) Concept, which is under construction for both Boiler, Off Site and Turbine Site. Accordingly, NTPC has already revised its water requirement in order to comply with the latest emission notification by MOEF&CC for TPP dated 07.12.2015. |
| (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 | Rain water harvesting shall be practiced as per recommendation/stipulations of Central Groundwater Authority/Board. Rain water harvesting consultancy report has been submitted by the party. Work to be started. Action plan for implementation will be submitted to the Regional Office of the Ministry. Indian Institute of Bio-social Research and Development, |

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| | months. | Kolkata have carried out studies on watershed management, agro-forestry and alternate livelihood opportunity for villagers around NTPC Darlipali STPP project site. Final report submitted by the consultant. |
| (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. | All the soil & earth material is being utilized within the plant premises only. |
| (xxvii) | At-least 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. | <p>Three villages (Darlipali, Raidihi & Chuabahal) have been adopted. Works for these villages is being carried out as per the request of district administration / local MLA/MP, Sarpanch, villagers etc.</p> <p>All infrastructure development works like development of Roads, drinking water supply, etc, as outlined in detail are being taken care as per the requirement and recommendation of district administration.</p> |
| (xxviii) | The project proponent shall also adequately contribute in the development of the neighboring 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. | <ul style="list-style-type: none"> Piped drinking water supply scheme for Darlipali, Raidihi, Ghantimal, Chuabahal, Nagalkata (Sundargarh district), Tileimal, Niktimal, Chichinda, Kechobahal, Chadrama (Jharsuguda district) has been implemented through the respective RWSS. Estimated cost of Rs. 3.09 Cr and Rs. 3.34 Cr respectively. UC received from RWSS, Sundargarh is Rs. 2.12 Cr. UC received |

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| | | <p>from RWSS, Jharsuguda is Rs. 1.92 Cr</p> <ul style="list-style-type: none"> • Developmental works as identified by RPDAC, Panchayats, villagers are being taken up in neighboring villages. Works are being done as per request of district administration / local MLA/MP, Sarpanch, villagers etc. |
| (xxix) | <p>CSR scheme shall be undertaken based on need based 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 employment of local youth after imparting relevant training as may be necessary shall be undertaken as committed.</p> | <p>(i) Under ICD activities Rs. 0.58 crore has been spent on various development activities as per request from villagers.</p> <p>(ii) Under ICD Rs. 10.00 crore have been deposited with collector Sundargarh for face lifting of District Head Quarter Hospital at Sundargarh which caters to need of the adjoining villages. Out of this UC of Rs. 9.96 crore have been received by us till date.</p> <p>(iii) For 53 projects finalized by SDPDS at an estimated cost of 13.92 crore, Rs.13.45 crore have been deposited. Till date UC of 10.49 crore have been received till date. Other projects are in progress through various govt. departments.</p> <p>(iv) Rs. 50 lakhs have been deposited with SDPDS for development of Hockey turf at Balishankara which will help the local villagers for training in Hockey.</p> <p>(v) For 101 projects finalized in 16-17 by SDPDS at an</p> |

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| | | <p>estimated cost of Rs.16.10crore, Rs.8.18 crore have been deposited till date. For other projects estimates are waited. UC of Rs. 4.32 Crore have been received till date.</p> <p>(vi) In Jharsuguda district, against Projects on drinking water and roads at an estimated cost of Rs.8.65crore, Rs.7.85Crore have been deposited with collector Jharsuguda. Against this UC of Rs. 4.02 crores have received received.</p> <p>(vii) Additionally, as per request received from Sarpanch and other stake holders, NTPC has undertaken various community development works at an estimated cost of Rs.10.5 crores. Out of this work of RS.7.62 crores have been completed. Rest works are in progress.</p> <p>For technical skill development training to project affected youths, we have imparted skill development training to 112 persons at CIPET, Bhubaneswar. Stitching & Tailoring Training has been started in resettlement colony, Raidihi and Darlipali Villages. Around 64 village woman are presently undergoing the training.</p> <p>As a continuous process, Projects are being identified in consultation with District administration, local MLA & MP villagers, Sarpanch, etc. to</p> |

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| | | improve the living standard of people in the local area. |
| (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. | Tribals residing in project area have been identified and are being compensated as per existing relevant laws. |
| (xxxii) | 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. | <p>A requisite fund has been earmarked for implementing CSR-CD activities for the project and shall be utilized in accordance with the said stipulations.</p> <p>Rs. 46 Crore budget till COD</p> <ul style="list-style-type: none"> Rs. 46 Crore budget till COD has been identified in the R&R Plan approved by RPDAC. Stipulated expenditure of Rs. 9.10 crs. Per annum will be spent after COD as per this stipulation <p>Till date developmental Infra/ Welfare projects of Rs. 47.67 crore has been identified. Against this Rs.39.71 crore funds have been deposited. Out of this, works worth 34.00 crore have been completed. Rest works are in progress.</p> |
| (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 | <ul style="list-style-type: none"> Institutional set up at NTPC's project / Regional HQ/ Corporate Centre is in place for monitoring R&R/CSR activities of Darlipali project. Progress of development works is being monitored by RPDAC through SDPDS / JDPDS. |

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| | from time to time. The achievements should be put on company's website. | Social audit will be done after completion of 1 st phase of 53 schemes approved by RPDAC. |
| (xxxiii) | Green Belt consisting of 3 tiers of plantations of native species around plant not less than 100m width shall be raised (except in areas not feasible). The density of trees shall not less than 2500per ha with survival rate not less than 80%. Additional green belt of appropriate density and width not less than 50 m at-least, shall be developed between the ash pond and the village facing the ash pond. | <ul style="list-style-type: none"> • Around 390 acres of land has been envisaged for the green belt. • Green Belt around the Main Plant area except transmission corridor are being planted. • Green Belt around the Township area are being planted. • Extensive Afforestation will be undertaken at all available spaces in and around project, after construction is complete. • Ash pond area will be reclaimed with vegetation after abandonment. • Avenue Plantation along the Road shall be done. <p>For green belt development, plantation through Odisha State Forest Development Corporation (OFDC) is being done. In the financial Year 2019-20 out of 50000nos saplings (MOU Target) 12500(through R&R and EMG dept.) saplings planted. Till date 141acres out of 390 acres of green belt area has been developed.</p> |
| (xxxiv) | An Environmental Cell shall be created preferably at the project site itself and shall be headed by an officer of appropriate superiority and qualification. It shall be ensured that the Head of the Cell shall directly report to the head of the organization. | An Environment Management Group (EMG) has been set up at Darlipali STPP for Stage-I. The EMG is responsible for implementing and monitoring the stipulations. EMG shall have sufficient trained manpower and equipment for environmental monitoring and other environmental related activities |



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| | | to ensure compliance with statutory requirements. It interacts regularly with the State Pollution Control Board. A laboratory at Darlipali STPP will be well equipped for monitoring of ambient air quality, stack emission, water/effluent quality, etc. AAQMS offline monitoring contract is going on since April 2019. |
| 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. | <p>The project is having an integrated scheme for treatment, re-cycle and re use of effluents and shall operate on a near zero discharge system. Provision is being kept to re-circulate cooling water and ash pond effluent. The cooling tower blow down shall be used fully for ash handling, service water system, coal handling & fire fighting.</p> <p>Provision is being kept for treatment, recirculation & reuse of entire quantity of coal handling plant effluents & service water effluents.</p> <p>The effluent treatment system comprising of neutralization pit for DM plant regeneration waste, oil separator/skimers for oily waste, coal slurry settling pond for coal handling plant effluents, lamella clarifier for service water effluents and cooling towers for hot water etc are being provided. The effluents will be treated adequately and discharged through CMB. The treated effluent will conform to the stipulated regulatory</p> |

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| | | standards. ETP, Coal settling pits, CMB construction completed. |
| (ii) | A sewage treatment plant shall be provided (as applicable) and the treated sewage shall be used for raising green belt/plantation. | All domestic sewage emanating from township is being treated in a sewage treatment plant. The treated sewage conforming to prescribed standards is being utilized for plantation & raising greenbelt to the extent possible. |
| (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. | Hydrant system for covering the entire power station including all the auxiliaries and buildings in the plant area are being implemented. The system has been completed with piping, hydrants, valves, instrumentation, hoses, nozzles, hose boxes/stations etc. Copy of these measures with full details will be submitted to RO, MoEF&CC after detailed erection & commissioning completion. |
| (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 will 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. | Storage facilities for auxiliary liquid fuel LDO are designed conforming to the safety standards and where risk is minimal. A detailed Disaster Management Plan has been prepared by Disaster Management Institute, Bhopal. DMP has been displayed in Darlipali intranet. Mock drill is being conducted every fortnightly by CISF (Fire Wing). |
| (v) | First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase. | • Adequate infrastructure facilities, such as sanitation, restroom, medical facilities, safety, and suitable water supply are being provided at various stages of project construction to the labor colonies. The sanitary waste from these areas are being |

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| | | <p>treated suitably under Solid Waste Management Contract.</p> <ul style="list-style-type: none"> • Safety equipment such as earplugs and earmuffs, helmets, face shields, safety goggles etc. safety nets are being provided to workers engaged in high risk areas. • Plant first aid center & stabilization center have been set up to provide first aid & emergency treatment to injured and other patients. Lifesaving equipment like cardiac monitor, defibrillator, oxygen concentrator etc. are available in plant stabilization center. Basic life support ambulance and advance life support ambulances are available at site to transport injured workers to nearby hospitals. |
| (vi) | <p>Noise levels emanating from turbines shall be limited to 85 dB (A) from source. For people working in the high noise area, requisite personal protective equipment like ear plugs/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.</p> | <p>Design specification for the equipments has been made to comply with the stipulation. Personal protective equipment has been arranged through contractors during construction phase. Periodic examination of workers is being done as stipulated.</p> <p>The workers of generator halls and other high noise area are being provided with appropriate ear protection devices.</p> |
| (vii) | <p>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 record maintained. If at any stage these levels are found to</p> | <p>Regular monitoring of AAQ is being done of the plant. Four (4) no. of AAQMS equipment have been commissioned at site. Balance 2 no. is in progress. Data will be submitted to the Regional Office of the MOEF&CC</p> |

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| | 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. | (Eastern Zone) at Bhubaneswar on real time basis. |
| (viii) | Provision shall be made for the housing of construction labor (as applicable) within the site with all necessary infrastructures 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 structure to be removed after the completion of the project. | The same has been kept in contractor's scope. NTPC has constructed labour shed with required facilities within the site. The major agencies like L&T, TPL, SOMA etc. are also providing adequate infrastructure facilities such as sanitation, restroom, medical facilities, drinking water to work force . |
| (ix) | The project proponent shall advertise in at least two local news papers 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 be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . | The information of Environmental Clearance was published in Two news papers widely circulated in the region; <ol style="list-style-type: none"> 1. On dated: 22.02.2014 in "Times of India" (English). 2. On dated: 23.02.2014 in "Samaj" (vernacular language). |
| (x) | A copy of the clearance letter shall be sent by the proponent | A copy of the clearance letter has been also forwarded to the |

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| | to concerned Panchayat, Zila parishad/ 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. | offices of concerned Zila parishad/ Municipal Corporation vide NTPC letter dated 24.02.2014 and to the concerned Panchayat vide NTPC letter dated 26.02.2014. The Environmental Clearance (EC) was also posted on the NTPC website on 18.02.2014. |
| (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} & PM ₁₀), SO ₂ , 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. | The latest Half Yearly Compliance(HYC) status report of the stipulated environmental clearance conditions is regularly being submitted to the Regional Office (Eastern Zone) of MOEF&CC at Bhubaneswar and at the same time being uploaded on the NTPC website of the company as per the stipulation. The display of ambient air quality in terms of PM ₁₀ , PM _{2.5} , SO ₂ and NO _x shall be displayed at convenient location near main gate of company and in the public domain. |
| (xii) | The environment statement for each financial year ending 31 st 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 | Is being provided. |



A Maharatna Company

DARLIPALI SUPER THERMAL POWER PROJECT, STAGE-I (2X800 MW)

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| | 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 implementations 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 email to Regional office, Ministry of Environment and Forests. | Six monthly progress reports for the period OCTOBER-2019 to MARCH,2020 is submitted herewith. |
| (xiv) | Regional office of the 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 NOx (from stack & ambient air) shall be displayed at the main gate | A complete set of documents including Environmental impact Assessment Report and Environment Management Plan has been forwarded on 21.02.2014 to the Regional Office of MoEF&CC at Bhubaneswar. |

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| | 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 purpose and year-wise expenditure should be reported to the ministry. | The requisite funds for environmental mitigation measures have been included in the project cost. Financial provision stipulated towards environmental mitigate measures shall not be diverted for other purposes. |
| (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. | Is being complied. |
| (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. | Full cooperation is being extended to the Scientists / officers from the Ministry / Regional Office of the Ministry at Bhubaneswar/ the CPCB / the SPCB during monitoring of the project. |
| 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 of modify the existing ones, if necessary. | Noted. |
| 6. | The environmental clearance accorded shall be valid for a period of 5 years to start | Noted. |

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| | 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. | Noted. |
| 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. | Noted. |
| 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. | Noted. |
| 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. | Noted. |