



J-13012/35/2013-IA.I (T)
Government of India
Ministry of Environment, Forest and Climate Change

Indira Paryavaran Bhawan, Jor Bagh Road,
Aliganj, New Delhi-110003.

Dated: 29.06.2017

To

The Chief Engineer (Civil-New Projects)
M/s Uttar Pradesh Rajya Vidyut Utpadan Nigam Ltd.
7th Floor, Shakti Bhawan Extn.
14 Ashok Marg,
Lucknow- 226 001.

Tel: 0522-2288557; Fax: 0522-2287106

Sub: 1x660 MW Coal Based Supercritical Panki Extension Power Project at Panki, Distt. Kanpur, Uttar Pradesh by M/s Uttar Pradesh Rajya Vidyut Utpadan Nigam Limited - reg. Environmental Clearance.

Sir,

This has reference to your online application dated 23.9.2015 and the additional documents submitted vide letters dated 12.03.2016, 31.5.2016, 2.6.2016, 28.7.2016 and 18.4.2017 w.r.t the aforesaid project.

2. It has been noted that Terms of Reference has been issued for the above mentioned project on 16.09.2014 for preparation of EIA/EMP studies and carrying out Public Consultation. It has been inter-alia noted that the proposal is for expansion by addition of 1x660 MW (660 MW) Coal based Supercritical unit at Panki Thermal Power Station at Panki, District Kanpur, Uttar Pradesh. Existing 2x32 MW (Unit-I and II) units which were in operation since 1967 & 1968 have been phased out on 31.8.1999 and 10.6.2005 respectively. Two more units of 110 MW (Unit-III and IV) have been in operation since 1976. 2x110 MW have been de-rated to 2x105 MW on 1.1.1990. Unit-III will be phased out by 1.4.2018 and the Unit-IV will be phased out in further six months after Unit-III phase out.

3. The proposed expansion is proposed within the existing premises and does not require additional land acquisition. Company has identified about 108 acres of land, at the existing Panki TPS for installation of the proposed project after demolishing the existing old and dilapidated quarters of the colony. A total land requirement for setting up of the proposed power plant is 108 acres which include Main plant area: 23.5 acres, Raw Water Reservoir: 17.0 acres, Switchyard: 9.8 acres, Marshalling Yard: 14.0 acres, Coal Storage Area & facilities: 23.5 acres and Cooling Tower & Water facilities: 20.2 acres. Area for ash disposal and greenbelt will be used which was already available in the existing premises. There are no forest lands, grazing lands, community lands within the project site. Co-ordinates of the project site is 26°28'27.26" N, 80°14'47.42"E; 26°28'38.25" N, 80°14'37.41" E; 26°28'27.56" N, 80°14'7.97" E; 26°28'10.70"N, 80°14'16.31"E. Co-ordinates of the ash dyke is 26°28'41.5" N, 80°13'36.078"E; 26°28'22.75" N, 80°14'17.12" E; 26°28'13.79" N, 80°14'26.37" E; 26°27'59.47"N, 80°13'38.327"E.

4. There are no National Parks, Wildlife Sanctuaries, elephant/tiger reserve or any other protected areas and Eco-Sensitive Zones, etc within 10 km radius of the project. DFO, Kanpur vide their letter dated 11.8.2015 stated that there are no protected areas within 10 km radius of the proposed project. The nearest town Kanpur is about 16 km from site which is connected through rail. The site is also well connected by road to NH-2 at a distance of 3 Km. Road network is already available for approach to site. A state highway is running adjacent to the power plant. The

nearest railway station is Panki at 05 km from plant and nearest Airport Kanpur and Lucknow which are about 25 km and 80 km distance respectively from project site. The proposed project is located in the Kanpur critically polluted area. Ministry's Office Memorandum dated 17.9.2013 lifted the moratorium on consideration of projects for environmental clearance in respect of the projects located in Kanpur Industrial area.

5. Supercritical boilers will be installed which will be coal fired. Boiler is designed for 100% domestic coal. Imported coal shall not be used for the proposed project. Coal-fired supercritical power plants is designed to operate at very high temperature and pressure (580°C temp. with a pressure of 23 MPa). Coal will be fired in a high pressure boiler to produce steam at about 247 kg/cm² at 565 °C temperature. Station Heat Rate of plant is 2250Kcal/kWh at PLF- 85%.

6. Annual Coal requirement for the proposed project is 2.764 MTPA at 85% PLF. MoC vide their letter dated 13.8.2015 allocated Saharpur-Jamarpani Coal Mine, Rajmahal Group of Coalfields, Dist. Dumka, Jharkhand for the proposed power project. Coal characteristics are Expected GCV: 3935-4380 kcal/kg, moisture: 6.0%-9.8%, Ash: 17.9-43.5 %, Sulphur: 0.4%, Fixed Carbon: 29.5-36.1 %, Volatile matter: 22.5-25.8 %, etc. Since the development of the coal block and supply of coal from allotted coal block is likely to go beyond the commissioning of the project, UPRVUNL has applied for the bridge linkage for Grade-E coal to Ministry of Power and Ministry of Coal, Government of India on 12.02.2016. Coal India Limited (CIL) vide their OM dated 9.5.2016 on Minutes of Meeting for grant of Bridge Linkage, it is mentioned that 90% of allocated coal shall be made available from CCL while remaining 10% from Raniganj fields of ECL. Coal transportation for the proposed project is envisaged by Indian Railways rakes in BOBR/BOXN wagons. Coal received in BOBR wagons will be unloaded at a track hopper terminal.

7. Total water requirement for the proposed power plant is 1650 m³/hr and would be sourced from Lower Ganga Canal. Irrigation Department, Govt. of UP vide their letter dated 6.11.2009 has already allocated 170 cusec of water for Panki TPS from the existing Lower Ganga Canal which is sufficient to cater 16.5 cusec of water for proposed 1x660 MW Project. No additional water is required for the proposed project. The constant flow 250 cusec is maintained through out the year for nonagricultural use from the share of UP state. However, water reservoir will be constructed to meet out the water requirement in emergency situations. There will be no discharge envisaged as proposed 1x660MW unit is based on zero discharge. There will be no impact on other competing sources downstream of the proposed plant.

8. Baseline Environmental Studies have been conducted during Winter season (15.12.2014-15.3.2015). The pre-dominant wind direction is NW during study period at project site. AAQ monitoring has been carried out at 7 locations. Results indicated that the values of 98 percentile of different air quality parameters such as SPM: 326-488 µg/m³, PM10: 206-248 µg/m³, PM2.5: 74-87 µg/m³, SO₂: 7-9 µg/m³, NO_x: 24-32 µg/m³, CO: Not Monitored, O₃: 48-54 µg/m³ and Hg: Not Monitored. Seven groundwater samples have been analysed in the study area. pH: 8.2-8.8, Total Hardness: 152-560 mg/l (Within limit of 600 mg/l except Panki TPS Colony, IIT Kanpur, Shastri Nagar and Vijay Nagar), Chlorides: 77-190 mg/l, Fluoride: 0.43-0.87 mg/l. Heavy metals are within the limits except Magnesium which is in the range of 10.6-99 mg/l. Surface water samples were analysed from 2 locations (Ganga Upstream and downstream). Values are in the range of pH: 7.8-8.0; DO: 8.4 mg/l BOD: 2-3 and COD: 6-7 mg/l. Noise levels are in the range of 53.5-74.4 dB(A) for daytime and 49.4-63.7 dB(A) for nighttime. Noise levels at the project site are within the ambient noise standard levels of industrial area and at the other places are within the residential area standards. The maximum incremental ground level concentration is predicted due to proposed project for PM, SO₂ and NO_x are 0.66 µg/m³, 17.2 µg/m³

and 20.5 µg/m³ respectively at a distance of 2.5 km. There are no endangered species of flora and fauna was observed in the study area.

9. Intake water system will be provided with three 50% intake water pumps and one dedicated pipe line. The raw water will be stored in plant raw water reservoir having a capacity of 15 days storage. The provision of ash water pumps for supply of raw water to ash water sump by providing two 100% pumps till recycling of ash water is available. For water conservation, COC of 6.0 is envisaged. There is no water body/nallah passing across the site.

10. Anticipated total ash generation is 0.93976 MTPA (Flyash: 0.7578 MTPA & Bottom ash: 0.1879 MTPA). Dry flyash for the existing unit III and IV is being lifted by M/s ACC as per agreement with them. For the proposed project, fly ash will be collected in dry form and transported to the neighboring ash utilization plants to be set up by private parties by truck. ACC cements, Mangalam Cements, UP Expressways Industrial Development Authority, Kanpur Development Authority and others have given Letter of Intent for using flyash. Bottom ash, coarse ash and flyash collected in lean slurry form in the slurry sump and disposed off in the ashdyke. Any surplus unused flyash along with bottom ash will be disposed off in slurry in the ash dyke. High Concentrated Slurry Disposal system will be installed for disposal of accumulated flyash at silos. Suitable HDPE liner will be provided on the bottom of the pond and sides of the pond will be raised with bund to ensure impermeability of the ash pond. Risk assessment and failure scenarios for mechanical, electrical systems and LDO (2x500 KL) have been predicted and risk mitigation measures have been proposed.

11. RCC Single-flu Stack height of 275 m will be set up for dispersion of pollutants. ESP with efficiency of 99.99% will be set up to achieve Particulate Emission standard of 30 mg/Nm³. The SCR shall be installed to meet the Nitrogen Oxides emission standard of 100 mg/Nm³. The Flue Gas De-Sulphurisation (FGD) system shall be installed to meet the Sulphur Dioxide emission standard of 100 mg/Nm³. Dry fog suppression system will be installed to control fugitive emissions at Coal Handling Plant. ETP with RO system shall be installed to achieve Oil: 10 mg/l, SS: <100 mg/l, TDS<130 mg/l. STP of 1.7 MLD costing Rs.7.0 crores has already been constructed and functional since 2013. Greenbelt will be developed in the one third of the total area as per MoEF&CC guidelines with the help of Forest Department. The detailed proposal for Green belt along the boundary wall of power House and Lower Ganga Canal (Bara Surohi To Hulkapur) has been obtained from Divisional Director Social Forestry, Kanpur Range amounting to Rs.1.742 Crores. No additional Land is proposed to be acquired. Accordingly there is no R&R involved. For additional requirement of green belt, 22 Ha of Irrigation land along the canal shall be used.

12. Public Hearing has been conducted by U.P. Pollution Control Board on 21.8.2015 at Officers Club, Executive Colony, Panki Thermal Power plant, Panki Kanpur. CSR in the surrounding villages, infrastructure development, making canal and drinking water in the surrounding villages drinkable, pollution due to flyash disposal and management, excessive pollution is causing deposition on rooftops, adverse affects on humans, flora and fauna, closing down of existing units, providing employment opportunities, greenbelt development are the major concerns of the public. Action plan has been submitted by the company to implement and address the issues raised by the public during the hearing.

13. Estimated Project cost is Rs.4712.31 Crores. Budget earmarked for implementation of Environment Management Plan is Rs. 450.8 Crores (Capital expenditure). A detailed CSR study has been conducted by the IIT, Kanpur. CSR activities with the budget of Rs. 15 Crores have been planned to implement in next 5 years (July'2016-June'2021). The proposed project will generate employment opportunities during construction as well as operation phase and this will provide direct and indirect jobs to the local population.

14. The proposal was considered in the 57th, 1st and 5th meetings of Re-constituted EAC (Thermal Power) held during 16th-17th June, 2016, 28.12.2016 and 26.4.2017. A sub-committee made a site visit to the proposed project on 17.3.2017. Based on the recommendations of EAC (Thermal Power) in its meeting held on 26.4.2017, site visit report submitted by the sub-committee and the information, clarifications, documents submitted and presentations made by you before the Re-constituted Expert Appraisal Committee (Thermal Power), **the Ministry hereby accords Environmental Clearance** to the above project under the provisions of EIA Notification dated September 14, 2006 and subsequent amendments therein subject to compliance of the following Specific and General conditions:

A. Specific Conditions:

- (i) *Environmental Management Plan and Project activities shall be implemented with the best available technology to have better operational systems so as to minimize the impact on environment.*
- (ii) *Point-wise reply to the recommendation of the site visit of the Sub-committee is to be submitted.*
- (iii) *In case any STPs are located within 50 km distance from the proposed Project, the treated water from the STPs shall be used in the plant.*
- (iv) *Plantation should be raised at the rate of 2,500 saplings per hectare. The tree species should be of local variety having hardened and broad leaves types. Plantation shall be preferred by using 2 years old seedlings than new seedlings for better survival of plantation.*
- (v) *Alternate technology may be explored for utilization of fly ash such as road making, etc. by using geo-polymer based technology.*
- (vi) *Skill mapping of the Project Affected People (PAF) be carried out on a long-term basis for their livelihood generation. A report is to be submitted within 3 months to the Ministry from the date of issuance of environmental clearance.*
- (vii) *Modern methods of agriculture organic farming, compost/vermiculture making and utilization, drip/direct to root irrigation) to be promoted in and around the Project area.*
- (viii) *Details of expenditure made towards implementation of CSR activity shall be provided.*
- (ix) *While implementing CSR, the following shall be adopted:*
 - a. *Proper skill based training/long term livelihood revenue generation be created for enabling women empowerment.*
 - b. *Computer facilities may be provided in the school along with a trained computer teacher to inculcate computer skill among the youths.*
 - c. *Water supply provisions shall be made for all the bio-toilets under Swachh Bharat Abhiyan.*
 - d. *Preventive health programme may be preferred than the curative health programme such as nutrition development of small children in and around the project.*
- (x) *Approved action plan prepared by SPCB in respect of Kanpur Critically Polluted Area shall be regularly implemented and monitored the pollution levels in the project and surrounding areas.*
- (xi) *Compliance of EC conditions, E(P) Act, 1986, Rules and MoEF&CC Notifications issued time to time shall be achieved by a qualified an environment officer to be nominated by the Project Head of the Company who shall be responsible for implementation and necessary compliance.*
- (xii) *Cycle of Concentration (COC) of atleast 6.0 shall be achieved by setting up of RO for treating cooling tower blow-down water.*
- (xiii) *MoEF&CC Notification S.O. 3305(E) dated 7.12.2015 shall be implemented with respect to specific water consumption, zero liquid discharge and revised*

emission standards. The PM, SO₂, NO_x and Hg emissions shall not exceed 30 mg/Nm³, 100 mg/Nm³, 100 mg/Nm³ and 0.03 mg/Nm³ respectively. The specific water consumption shall not exceed 2.5 m³/MWh and zero wastewater discharge shall be achieved.

- (xiv) MoEF&CC Notification G.S.R 02(E) dated 2.1.2014 regarding use of raw or blended or beneficiated or washed coal with ash content not exceeding 34% shall be complied with, as applicable.
- (xv) MoEF&CC Notifications on flyash utilization S.O. 763(E) dated 14.09.1999, S.O. 979(E) dated 27.08.2003, S.O. 2804(E) dated 3.11.2009, S.O. 254(E) dated 25.01.2016 and subsequent amendments shall be complied with.
- (xvi) Separate Environmental Clearance may be obtained for the proposed Township as applicable under EIA Notification 2006.
- (xvii) Vision document specifying prospective plan for the site shall be formulated and submitted to the Regional Office of the Ministry within **six months**.
- (xviii) Harnessing solar power within the premises of the plant particularly at available roof tops shall be carried out and status of implementation including actual generation of solar power shall be submitted along with half yearly monitoring report.
- (xix) A long term study of radio activity and heavy metals contents on coal to be used shall be carried out through a reputed institute and results thereof analyzed every two year and reported along with monitoring reports. Thereafter mechanism for an in-built continuous monitoring for radio activity and heavy metals in coal and fly ash (including bottom ash) shall be put in place.
- (xx) Online continuous monitoring system for stack emission, ambient air and effluent shall be installed.
- (xxi) High Efficiency Electrostatic Precipitators (ESPs) shall be installed to ensure that particulate emission does not exceed 30 mg/Nm³ or as would be notified by the Ministry, whichever is stringent. 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 along with an environment friendly sludge disposal system.
- (xxii) 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.
- (xxiii) 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 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 also be undertaken and results/findings submitted along with half yearly monitoring report.
- (xxiv) A well designed rain water harvesting system shall be put in place within six months, which shall comprise of rain water collection from the built up and open area in the plant premises and detailed record kept of the quantity of water harvested every year and its use.
- (xxv) 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.
- (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) Fly ash shall be collected in dry form and storage facility (silos) shall be provided. Mercury and other heavy metals (As, Hg, Cr, Pb etc.) shall be monitored in the bottom ash. No ash shall be disposed off in low lying area.

- (xxviii) 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 take place at any point of time. In case, the option of mine void filling is to be adopted, prior detailed 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.
- (xxix) Fugitive emission of fly ash (dry or wet) shall be controlled such that no agricultural or non-agricultural land is affected. Damage to any land shall be mitigated and suitable compensation provided in consultation with the local Panchayat.
- (xxx) Green Belt consisting of three tiers of plantations of native species all around plant and at least 50 m width shall be raised. Wherever 50 m width is not feasible a 20 m width shall be raised and adequate justification shall be submitted to the Ministry. Tree density shall not be less than 2500 per ha with survival rate not less than 80 %.
- (xxxi) Green belt shall also be developed around the Ash Pond over and above the Green Belt around the plant boundary.
- (xxxii) 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 letter and other applicable environmental laws and regulations.
- (xxxiii) CSR schemes identified based on need based assessment shall be implemented in consultation with the village Panchayat and the District Administration starting from the development of project itself. As part of CSR prior identification of local employable youth and eventual employment in the project after imparting relevant training shall be also undertaken. Company shall provide separate budget for community development activities and income generating programmes.
- (xxxiv) For proper and periodic monitoring of 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.

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 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.
- (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) Utilization 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.
- (ix) 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.
- (x) 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 the Website of MoEF&CC at <http://envfor.nic.in>.
- (xi) 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, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
- (xii) 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.
- (xiii) 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.
- (xiv) **The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to MoEF&CC, its Regional Office, Central Pollution Control Board and State Pollution Control Board. The project proponent shall upload the status of compliance 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, MoEF&CC.**
- (xv) The progress of the project shall be submitted to CEA on six monthly basis.



- (xvi) Regional Office of the MoEF&CC 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.**
- (xvii) 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.
- (xviii) 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.
- (xix) 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.

C) An as built or as completed report on EMP to be submitted stating the scope/extent of work envisaged in the EIA along with estimated cost vis-à-vis the actual completed works and cost incurred. A certificate/completion certificate accordingly, shall have to be submitted before commissioning of the TPP.

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

16. The environmental clearance accorded **shall be valid for a period of 7 years** from the date of issue of this letter to start operations by the power plant.

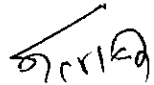
17. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

18. 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.

19. 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.

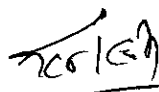
20. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Yours faithfully,


(Dr. S. Kerketta)
Director

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 (Central Zone), Kendriya Bhawan, 5th Floor, Sector - H, Aliganj, Lucknow-226020.
5. The **Principal Secretary, Department of Environment, Govt. of U.P.**, Babu Bhawan Secretariat, Vidhan Sabha Marg, Lucknow - 226001.
6. The Chairman, U.P. Pollution Control Board, PICUP Bhawan, 3rd Floor, B-Block, Vibhuti Khand, Gomti Nagar, Lucknow-226010.
7. The District Collector, Kanpur Dist., Govt. of U.P., DM compound, Civil Lines, Kanpur-208001.
8. Guard file/Monitoring file.
9. Website of MoEF&CC.


(Dr. S. Kerketta)
Director