



J-13012/18/2015-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/Thermal
M/s Telangana State Power Generation Corporation (TSGENCO) Ltd.,
(A Govt. of Telangana State Undertaking)
Vidyut Soudha, Khairatabad, Hyderabad-500 082,
Telangana State.

Tel No. 0401-23499417; Fax No. 040-23499418; E-mail: ceothermal2@yahoo.com.

Sub: 5x800 MW Super Critical Coal based Yadadri Thermal Power Station at Veerlapalem Village, Damercherla Mandal, Nalgonda District, Telangana State by M/s Telangana State Power Generation Corporation (TSGENCO) Ltd. – reg. Environmental Clearance.

Sir,

This has reference to your online application dated 25.6.2016 and the additional documents submitted vide letters dated 21.7.2016, 8.10.2016 and 1.4.2017 w.r.t the aforesaid project.

2. It has been noted that Terms of Reference has been issued for the above mentioned project on 2.11.2015 and 16.2.2016 for preparation of EIA/EMP studies and carrying out Public Consultation. It has been inter-alia noted that the proposal is for setting up of establishing 5x800 MW (4000 MW) Super Critical Thermal Power Project at Veerlapalem Village, Damercherla Mandal, Nalgonda Dist., Telangana State.

3. The proposed project is located near Nalgonda is which is at a 50 km NW. Nearest railway station is Vishnupuram at 4km, Nearest Airport is Hyderabad- 120 km. NH-9 is at 45 km N and SH-2 is at 7 km South. Nagarujana Sagar Tiger Reserve (Amrabad Tiger Reserve) is at 14.03 km SW, Inter-state boundary of Telangana and Andhra Pradesh is at 0.8 km SE. Tungapahad Vagu (Water body) is passing through the proposed project. Krishna and Musi rivers are at 0.5 km SE and 7.4 km E from the proposed project. Veerlapalem Reserved Forest (RF) is within the proposed location. Rajagutta RF-0.3 km E, Daida RF -1.2 km SE, Adividevulapalli RF-4.7 km SW, Oshipalem RF – 4 km NW and Dilawarpur RF-2.9 km N from the proposed project. There are no national parks/wildlife sanctuaries/any other protected areas/ESA/ESZs within 10 km radius of the proposed project. Authenticated map showing the distance between Amrabad Tiger Reserved and the project location which is at 14.03 km has been provided by the PCCF (WL), Telangana Forest Department vide their letter dated 5.5.2016.

4. Total land requirement for the proposed project is 2800 acres which is as per CEA norms of 0.7 acres/MW. Out of total land requirement, 2095.28 acres is the forestland falling under Veerlapalem Forest Block. Remaining 704.12 acres consists of Patta Land, Government Land, Udafa patta land and D-patta land in Veerappagudem and Veerlapalem villages, Damercherla Mandal, Nalgonda Dist., Telangana State which partly under cultivation. The Stage-II Forest Clearance has been accorded for diversion of forest land vide Ministry's letter No.8-07/201-FC dated 7.7.2015. The non-forest land has already been acquired.

5. The proposed project is based on Super-critical boiler technology which uses the pulverised coal of boiler of once-through and does not require a drum to separate steam from water. The proposed project will have five 800 MW super critical units. Steam parameters are: i) Pressure: 247 kg/cm² (a), ii) Main steam temperature: 565 °C and iii) Reheat Steam Temperature: 593 °C. The project will use blend coal having ratio of 50% indigenous coal and 50% imported coal or 100% imported coal with LDO as start up fuel and Heavy Fuel Oil (HFO) for flame stabilisation. The coal requirement for blending coal (50% imported coal and 50% domestic coal) 3,9657.6 TPD (12.25 MTPA @ 85% PLF) and the coal requirement for 100% imported coal is 35,587.2 TPD (11.02 MTPA @ 85% PLF). Domestic coal characteristics are i) Fixed Carbon: 33%, ii) Volatile Matter: 27%, Moisture: 10%, Ash content: 30%, Calorific value: 4,530 kcal/kg and sulphur content: 0.42%. Imported coal characteristics are i) Fixed Carbon: 42.94%, ii) Volatile Matter: 28.92%, Moisture: 13.14%, Ash content: 15%, Calorific value: 5,700 kcal/kg and sulphur content: 0.8%. Ash and Sulphur contents in the blended fuel shall be not exceed 22.5% and 0.61%, respectively. Domestic coal will be sourced from mines of Singareni Collieries Company Ltd. using rail network. MoU has been signed between M/s SCCL and M/s TSGENCO to supply 7 MTPA of G9 and above grades of domestic coal/WG-G9 grade coal. Another MoU has been signed between M/s MSTC Limited and M/s TSGENCO to supply imported coal of 7 MTPA which will be sourced from Indonesia/Australia/South Africa, etc. The imported coal shall be supplied from Kakinada/Krishnapatnam port or any other nearest port in India. Necessary permissions have been obtained for utilising port facilities at Kakinada/Krishnapatnam/Vishakhapatnam. The railway line is proposed from Vishnupuram Railway station on Bibinagar-Nadikudi Main line of South Central Railway. The distance between Vishnupuram Railway station to proposed project is about 8 km. The power will be evacuated through 400 kV double circuit Quad Core Moose Conductor to the Choutuppal/Dindi/Maheshwaram/Jangaon interconnecting substations.

6. Water requirement for the proposed project is 10,000 m³/hr (2.4 Lakhs m³ per day/97.8 cusec/3.10 TMC per year) considering the COC of 5.0 and complying with the new norm of 2.5 m³/MWh. The water requirement will be met from River Krishna. Govt. of Telangana, Irrigation and CAD Department vide their letter dated 30.1.2015 allocated 208 cusecs of water (6.6 TMC/year) from Krishna River. Intake structure shall be installed including pumping station near Madachelu area at the upstream side of confluence point of Tungapahad Vagu and Krishna River. The distance between intake well to raw water reservoir is approximately 6 km. A pipeline will be laid for transporting the water from Krishna River. Flow at Pondugala in Krishna river is 25.72 million m³/month and wadenapalli is 27.8 million m³/month. Proposed water requirement is 7.21 million m³/month. Water withdrawal percentage is <30% of minimum in lean season flows. Tungapahad Vagu (stream) for length of 3.9 km is passing through the project area which eventually joins Krishna river. The project activities will not interfere with flow of Tungapahad vagu since there is no extraction of water or discharge. No diversion of this stream is proposed. Plant layout is designed to keep a minimum distance of 500 m buffer between ash pond and Tungapadu Vagu to prevent contamination, if any.

7. Baseline data has been collected during December, 2015-February, 2016 by M/s Bhagavathi Ana Labs Pvt. Ltd. Additional baseline data was collected for one month during October, 2016 for one month by M/s B.S. Envi-Tech (P) Ltd. The predominant wind direction is SE during study period. AAQ monitoring has been carried out at 10 locations. Results indicated that the values of different air quality parameters such as PM₁₀: 31.9-66.4 µg/m³, PM_{2.5}: 11.6-31.6 µg/m³, SO₂: 8.3-24.6 µg/m³, NO_x: 10.3-28.1 µg/m³, CO: 1-1.8 mg/m³ and Hg: < 0.1 ng/m³. AAQ is within the NAAQ Standards. A total of ten groundwater samples have been analysed in the study area. pH ranges between 6.9-7.38 and Total Hardness varies between 328-591 mg/l and is well within limit of 600 mg/l. Chlorides ranges between 68-362 mg/l.

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Fluoride ranges between 1.03-1.32 mg/l which is above the acceptable limits. Ground water samples are in compliance with the Drinking water standard of IS:10500 except for Fluoride content. Surface water samples were analysed from ten locations. The results indicated that the values such as pH: 7.92-8.10; DO: and BOD is not monitored. TDS: 408-702 mg/l, Total Hardness: 177-323 mg/l; Chlorides: 60-118 mg/l, Sulphates: 54-133 mg/l. E-coli: 116-230 Cfu/100 ml. Noise levels are in the range of 41.2-50.3 dBA for daytime and 30.2-47.5 dBA for nighttime. Soil quality in the project area is as pH: 7.79, TOC: 0.59%, Chloride: 60 mg/kg. Soil in the project area consists of Sandy loam (80%), Silt (9%) and Clay 11%. Soil in the study area is as pH: 6.95-8.05, TOC: 0.28-0.92%, Chloride: 35-126 mg/l. Soil in the study area consists of Sandy loam (45-89%), Silt (5-23%) and Clay (6-32%). There are four schedule-I species i.e Indian Peafowl, Indian Python, Monitor Lizard and Indian Softshell Turtle are present in the study area. However these Schedule-I species are not falling in the endangered category.

8. Cumulative air quality impact is predicted for the proposed power plant, proposed power plant, of KGPUL, Proposed cement plant and limestone mine of Myhome cements and existing industries such as India cements ltd, Parasakti cements, Penna cements, Deccan cements, Andhra cements (comprising cement plant, captive power plant and captive limestone mine). The maximum incremental ground level concentration is predicted for PM is in the range of 6.83-13.99 $\mu\text{g}/\text{m}^3$, SO_2 : 18.1-37.76 $\mu\text{g}/\text{m}^3$, NO_x : 19.76-30.38 $\mu\text{g}/\text{m}^3$. One single flue and two Bi-flu Stacks with height of 275 m will be erected for dispersion of pollutants as per CPCB guidelines. ESP (99.9% efficiency) for Particulate Matter removal, Flue Gas Desulphurisation System for removal of Sulphur, Selective Catalytic Reduction System for NO_x removal shall be installed to meet the emission norms vide Ministry's Notification dated 7.12.2015. Gypsum production is 25-30 TPH per unit (Total units: 5). Dust suppression system (water spraying, bag filters at transfer points, atomized water sprinkling system at crusher) at coal handling points, ETP and STP are the major pollution control measures proposed to be provided in the plant.

9. Quantity of Flyash and bottom ash generation is 2.2 MTPA and 0.56 MTPA, respectively. Dry flyash from the plant will be transported to ash storage silos through pneumatic system. Five flyash silos are proposed for storing dry flyash. All silos will be provided with bag filters for control of dust. Flyash will be provided to the nearby cement plants for utilisation. Unutilised flyash and bottom ash will be conveyed to ash pond with lean slurry system. Ash disposal area of 400 acres with height of 15 m ash dyke is proposed at 2.28 km away from this proposed power plant. Piezometers will be installed around the ashdyke to monitor the groundwater. HDPE liner with 1,000 microns will be laid in the ash dyke to have zero permeability. Colony will be constructed within the project site for the employees of the power plant in 80 acres. The colony includes quarters for 2,000 employees, hostel, guest house, community center, health center, recreational facilities, etc.

10. Hazard identification and Risk assessment has been carried out for the storages of hazardous chemicals such as Hydraulic Oil, LDO, HFO, Hydrogen storage, HCL, H_2SO_4 storage, Ammonia and Chlorine tonners, etc. Control and mitigation measures have been proposed.

11. Project will displace about 173 families residing in the proposed project area in two isolated pockets of habitation i.e. Modugulakunta Tanda and Kapura Tanda. R&R has been initiated and Rs. 16.0 crores have been earmarked for land acquisition, providing basic amenities, constructing Govt. Buildings, religious structures and providing grave yard, etc. Project Affected families are 413 as 704.12 acres of Patta land, Govt. land, Udafa patta land and D-patta land has been acquired. PAF will get one time payment for Rs.5 lakhs per each family under annuity. Total amount of this payment is Rs. 29.20 crores. In case one time payment is not being taken by any project oustees, employment can be provided to one person in the family not less than

the minimum wages in the total employment of the project. Total financial benefits of PDFs and PAFs proposed by the Project Administrator & Joint Collector, Nalgonda will be paid directly to the concerned bank accounts after approval from the Government.

12. Greenbelt is proposed to be developed in 1,352 acres which will include restoration of forest area of 1,049 acres and development of green belt in non-forest area of 303 acres. The company will take up additional plantation in the Reserved Forests that demarcates the project boundary on the South.

13. Public hearing was conducted by Telangana State Pollution Control Board (TSPCB) on 31.5.2016 at Pylon Area in the premises of proposed site of 5x800 MW Coal based Yadadri Thermal Power Station, Veerlapalem (V), Damarcherla (M), Nalgonda Dist. An action plan has been prepared for addressing the issues raised by the public. Telangana State Pollution Control Board (TSPCB) has uploaded the revised EIA/EMP report on 1.2.2017 on their website for three weeks for obtaining public comments.

14. Estimated project cost is Rs.25,099.42 Crores. An additional budget of Rs.0.9 crore/MW will be incurred to comply with new emission norms of MoEF&CC Notified vide OM dated 7.12.2015. Budget of Rs. 5597 crores (Capital) and Rs. 430 Cores/annum (Recurring) have been earmarked for environmental protection measures. Budget allocated for CSR activities is Rs 100.40 crores which is approximately 0.4% of the total cost of the project. Employment generation during construction period is 150 (direct employment) & 5000 (indirect employment) and operation period is 2,000 (direct employment) & 2,000 (indirect employment).

15. The proposal was appraised by Re-constituted EAC (Thermal) in its 59th, 60th, 63rd, 1st and 5th meetings held during 14th-15th July, 2016, 27th July, 2016, 29th-30th August, 2016, 28th December, 2016 and 26th April, 2017. In acceptance of the recommendations of the Re-constituted EAC (Thermal Power) in its meeting held on 26.4.2017 and in view of the information, clarifications, documents submitted by you, **the Ministry hereby accords the 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) *M/s SCCL shall supply coal having ash content not more than 30%.*
- (ii) *The incremental GLC values shall not exceed the standards as prescribed vide O.M. dated 07.12.2015.*
- (iii) *The coal transportation shall be done through rail only from SCCL Mines.*
- (iv) *There shall not be any displacement during land acquisition for railway corridor.*
- (v) *There shall not be abstraction of any groundwater during construction period.*
- (vi) *The Thermal Power Plant (TPP) will maintain thermal efficiency as per the Technical Standards notified by CEA.*
- (vii) *As per the Revised Tariff Policy notified by Ministry of Power vide dated 28.01.2016, project proponent shall explore the use of treated sewage water from the Sewage Treatment Plant of Municipality/ local bodies/ similar organization located within 50 km radius of the proposed power project to minimize the water drawl from River Krishna.*
- (viii) *Compliance of EC conditions, E(P) Act, 1986, Rules and MoEF&CC Notifications issued time to time shall be achieved by a qualified environment officer to be nominated by the Project Head of the Company who shall be responsible for implementation and necessary compliance.*
- (ix) *Cycle of Concentration (COC) of atleast 6.5 shall be achieved by setting up of RO for treating cooling tower blow-down water.*

- (x) *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.*
- (xi) *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.*
- (xii) *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.*
- (xiii) *Separate Environmental Clearance may be obtained for the proposed Township as applicable under EIA Notification 2006.*
- (xiv) *A minimum e-flow in the lean season is to be ensured at the downstream of water drawl point i.e. near Madachelu of Veerlapalem village of the Krishna river for sustaining the ecology of the river stretches. In this regards, a written commitment is to be submitted by pp.*
- (xv) *Analysis of mercury (Hg) in the coal be re-done once again by using modern technique and submitted.*
- (xvi) *Transportation of imported/domestic coal will be made from the port/SCCL mines of Kothagudem area through rail route with tarpaulin covered wagons only.*
- (xvii) *In case any STPs are located within 50 km distance from the proposed Project then the treated water from the STPs shall be used in the plant.*
- (xviii) *A 100 m width on either side of Vagu flowing through the plant site to be earmarked to raise greenbelt.*
- (xix) *Plantation should be raised at the rate of 2,500 saplings per hectre. The tree species should be of local variety having hardened and broad leaves types. Plantation be preferred by using 2 years old seedlings than new seedlings for better survival of plantation.*
- (xx) *Alternate technology may be explored for utilization of fly ash such as road making, etc. by using geo-polymer based technology. Firm MoU may be made with the Cement Manufacturers for utilization of Fly Ash.*
- (xxi) *Provision of impervious liner/HDPE lining has been made in the ash pond to prevent any leaching. However, groundwater analysis shall be carried out at the upstream / downstream of the fly ash pond by creating a network with the existing wells and installing new piezometers and report be submitted that no leaching is taking place due to fly ash dumping.*
- (xxii) *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.*
- (xxiii) *Modern methods of agriculture organic forming, compost/vermiculture making and utilization, drip/direct to root irrigation) to be promoted in and around the Project area.*
- (xxiv) *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.*



- (xxv) Vision document specifying prospective plan for the site shall be formulated and submitted to the Regional Office of the Ministry within **six months**.
- (xxvi) 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.
- (xxvii) 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.
- (xxviii) Online continuous monitoring system for stack emission, ambient air and effluent shall be installed.
- (xxix) 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.
- (xxx) 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.
- (xxxi) 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.
- (xxxii) 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.
- (xxxiii) 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 including *Tungapahadu stream*.
- (xxxiv) 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.
- (xxxv) 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.
- (xxxvi) 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.
- (xxxvii) 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.



- (xxxviii) 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 %.
- (xxxix) Green belt shall also be developed around the Ash Pond over and above the Green Belt around the plant boundary.
- (xl) 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.
- (xli) 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.
- (xlii) 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.

16. 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.

17. 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.

18. 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.

19. 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.

20. 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.

21. 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,

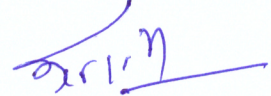


(Dr. S. Kerketta)
Director

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, Forests and Climate Change, Regional Office (SEZ), Ist and IInd Floor, Handloom Export Promotion Council, 34, Cathedral Garden Road, Nungambakkam, Chennai- 600034.

5. The Principal Secretary, Department of Environment, Forests, Science and Technology, Govt. of Telanangana, Telangana Secretariat, Tank Bund, Basheer Bagh, Near NTR Gardens, Hyderabad, Telangana-500022.
6. The Chairman, Telangana State Pollution Control Board, Paryavaran Bhawan, A-3, Industrial Estate, Sanathnagar, Hyderabad-500018.
7. The District Collector, Nalgonda District, Govt. of Telangana, Nalgonda-508001, Telangana.
8. Guard file/Monitoring file.
9. Website of MoEF&CC.


(Dr. S. Kerketta)
Director