

नेयवेली उत्तर प्रदेश पावर लिमिटेड

एन यू पी पी एल

NEYVELI UTTAR PRADESH POWER LIMITED

(एन एल सी इंडिया लिमिटेड एंव यू.पी.राज्य विद्युत उत्पादन निगम लिमिटेड का संयुक्त उपक्रम)
(A JOINT VENTURE OF NLC INDIA LTD. & UP RAJYA VIDYUT UTPADAN NIGAM LTD.)

घाटमपुर थर्मल पावर प्रोजेक्ट साइट आफिस, लहुरीमऊ गाँव के पास-काशिमपुर, तहसील-घाटमपुर

समूहि (डाकघर)-208001, जिला कानपुर नगर, उत्तर प्रदेश

GHATAMPUR THERMAL POWER PROJECT

NEAR VILLAGE LAHURIMAU-KASIMPUR, GHATAMPUR TEHSIL, P.O.: SAMUHI-208001,

KANPUR NAGAR DISTRICT, UTTAR PRADESH

CIN:U40300UP2012GOI053569, GSTIN: 09AAECN3221F1ZS

E-Mail: ceo.nuppl@nclindia.in, ts.nuppl@nclindia.in



Lr. No. CEO/NUPPL/MoEF&CC/015/2021/1285

Date- 29.09.2021

To,
The Scientist 'G',
Ministry of Environment, Forest and Climate Change,
Indira Paryavaran Bhawan,
Jorbagh, New Delhi-110003.

Kind Attention: Dr. S. Kerketta

Sub: Submission of Half yearly Compliance Report to Environment Clearance for the Ghatampur Thermal Power Project (3 X 660 MW)– Reg.

Ref: 1) Letter No J-13012/113/2011-IA II (T) Dt.17.06.2015 from MoEF, GOI

Dear Sir,

Please find enclosed herewith Half-yearly Compliance Status Report for the General and Specific Conditions mentioned in the Environmental Clearance - Period Jan 2021 to June 2021 for your kind information and records.

Thanking you and with regards.

Yours Sincerely,



Chief Executive Officer
Neyveli Uttar Pradesh Power Ltd.

Encl.: As Above.

Lr. No. CEO/NUPPL/MoEF&CC/015/2021/1285 of dated:29/09/2021

Copy forwarded to the following for information and necessary action:

- 1) Regional office, MoEF&CC, Kendriya Bhawan, 5th Floor, Sector H, Aliganj, Lucknow, Uttar Pradesh-260224 (email: roco.lko-mef@nic.in).
- 2) Chief Environment Officer (Circle - 2), U.P. Pollution Control Board, Building No. TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010 (email: ceo2@uppcb.com).
- 3) The Regional Officer, U.P. Pollution Control Board, 243, Avas Vikas, Phase III, Sadbhavna Nagar, Kalyanpur, Kanpur-208017 (Email: rokanpur@uppcb.com).


Chief Executive Officer
Neyveli Uttar Pradesh Power Ltd.

Ghatampur Thermal Power Project (3 X 660 MW), NEAR VILLAGE LAHURIMAU-KASIMPUR, GHATAMPUR TEHSIL, KANPUR NAGAR DISTRICT, UTTAR PRADESH		
HALF YEARLY COMPLIANCE STATUS OF ENVIRONMENTAL CLEARANCE CONDITIONS		
VIDE LETTER NO J-13012/113/2011-IA II (T) DT.17.06.2015		
Sl. No.	ENVIRONMENTAL CLEARANCE CONDITIONS	Compliance Status from 01.01.2021 to 30.06.2021
A	Specific Conditions	
i	Latest authenticated satellite imagery shall be submitted on an annual basis to monitor the alterations of the area.	Noted. Google Earth project area image submitted vide Lr. No. CEO/NUPPL/MoEF&CC/003/2021/1027 Dt. 11.01.2021
ii	The guidelines for import of coal, as and when notified by the concerned Authority, shall be complied with.	Coal will not be imported for the project and same was communicated via email dt. 21.08.2021 vide attached Lr. no. CEO/NUPPL/MoEF&CC/EC/012/2021/1257 DT. 21/08/2021 with the ministry.
iii	The sulphur and ash content of coal shall not exceed 0.46 % and 6% respectively. In case of variation of quality at any point of time, fresh reference shall be made to the ministry for suitable amendments to the environmental clearance.	Coal will not be imported for the project. 100% Domestic coal will be used. The Sulphur and Ash content of the domestic coal may vary from the said limits and same will be communicated with the ministry in separate letter.
iv	The coal transportation shall be by Rail only.	The said stipulation will be complied during operation phase of the project. However, the Railway Siding construction work is under progress.
v	As committed, a minimum amount of 0.4% and 0.08% of the capital cost of the project shall be earmarked as capital cost during the construction phase of the project and recurring cost per annum till the operation of the plant respectively for CSR activities.	An amount of Rs. 68.95 Cr. has been earmarked for implementing CSR activities during construction phase of the project. Total amount spent till March 2021 is Rs. 16.30 Cr. The following CSR activities conducted for Project affected villages like Mobile Health Care Camps, Sponsoring Candidates for Skill Development Courses, Construction of Bore holes and Hand pumps (Phase I), solar panels with inverter, Water Supply distribution pipe line, renovation of School Buildings, construct a Wash room for women police station, Installation and commissioning of water coolers, Conducted Integrated village development program Art of Living, Installation of Solar streetlight. Various activity related to COVID-19 has been done which are follows: 1. Helping in setting up COVID Lab in GSVM Medical College. 2. Financial assistance provided to purchase one RNA extractor machine. 3. Renovation of COVID ward No 1,2,3,4 at Hallet Hospital. Other CSR activities related to COVID 19 is taken up and are in different stages of tendering and execution. These activities are as follows- 1. Oxygen Plant set up including distribution pipeline and shed construction in three hospital in Kanpur, Hamirpur and Ghaziabad district. 2. DG back up, RO and patient beds in Ghatampur Health center 3. Oxygen concentrator(97 nos.) in Ghaziabad district. Further, renovation of 08 primary schools, Refurbishment of water body, Construction of community hall, Submersible pump room and distribution line in 20 different villages etc. are in progress.
vi	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.	All CSR works are being carried out on recommendation of District Administration. Also, suggestions of Members of Legislative Assemblies and Parliament and local panchayat are taken. CSR works are being carried out for local area welfare. In future same will be followed. MoU with UP Skill Development Mission is under progress for providing training to 500 local employable youth.
vii	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.	Board level CSR Committee has already been constituted in the Year 2018. Member of CSR committee are 1. Shri. Ajit Kumar Tewary 2. Shri. Shaji John 3. Shri. Jaykumar Shrinivasan Identification of external agencies for monitoring of CSR program of NUPPL is under progress
viii	FGD shall be provided to minimize the SO2 emissions.	Tendering in progress to award separate contract for FGD Package. The same said stipulation will be complied.
ix	Vision document specifying prospective plan for the site shall be formulated and submitted to the Regional Office of the Ministry within six months.	Complied.
x	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.	On-Grid Roof Top Solar PV Power Plant (RTSP) of 100 kWp capacity in the pattern of 1x50 kWp on the roof top of Administrative Office building and 1x50 kWp on the roof top of Construction Power Supply Substation Building is under bidding process.
xi	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 metal in coal and fly ash (including bottom ash) shall be put in place.	The same said stipulation will be complied during operation phase of the project.
xii	A stack of 275 m height shall be provided with continuous online monitoring equipments for SOx, NOx and PM2.5 & PM10. Exit velocity of flue gases shall not be less than 22 m/ sec. Mercury emissions from stack shall also be monitored on periodic basis.	Construction of chimney shell till 275 mtr. is completed. Unit 1 & Unit 2 flue gas Can construction completed, Unit 3 in progress. The other said stipulation will be complied during operation phase of the plant.

xxiii	High Efficiency Electrostatic precipitators (ESPs) shall be installed to ensure that particulate emission does not exceed 50 mg/ Nm ³ . Adequate dust extraction systems such as cyclones /bag filters and water spray systems in dusty areas such as in coal handing and ash handing points, transfer areas and other vulnerable dusty areas shall be provided.	High Efficiency Electrostatic precipitators (ESPs) are under construction. The other said stipulation will be complied during operation phase of the plant.
xxiv	Adequate dust extraction systems such as cyclones / bag filters and water spray system in dusty areas such as in coal handing and ash handing points, transfer areas and other vulnerable dusty areas shall be provided.	The same said stipulation will be complied during operation phase of the plant.
xxv	COC of at least 5.0 shall be adopted.	The same said stipulation will be complied during operation phase of the plant.
xxvi	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.	The same said stipulation will be complied during operation phase of the plant.
xxvii	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.	Scope of rain water harvesting system is already added in work contract. Preparation of estimate is under progress. The same said stipulation will be complied.
xxviii	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.	Noted. The said stipulation is being complied.
xxix	Hydrogeology of the area shall be reviewed annually from an institute/ organization of repute to assess on surface water and ground regime (especially around ash dyke). In case any deterioration is observed specific mitigation, measures shall be undertaken and reports/ data of water quality monitored regularly and maintained shall be submitted to the Regional Office of the Ministry.	The same said stipulation will be complied during operation phase of the project.
xxx	Wastewater generated from the plant shall be treated before discharge to comply limits prescribed by the SPCB/ CPCB.	Construction of Effluent Treatment Plant work in progress and the said stipulation will be complied during operation phase of the project. Work is under progress.
xxxi	Additional soil for leveling of the proposed site shall be taken from within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.	Noted. All the soil & earth material is being utilized within the plant premises only with all necessary precautions to protect natural drainage system of the area.
xxxii	Fly ash shall be collected in dry form and storage facility (silos) shall be provided for the same. Unutilized fly ash shall be disposed off in the ash pond in the form of slurry. 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.	The said stipulation will be complied during operation phase of the project.
xxxiii	Fugitive emission of fly ash (dry or wet) shall be controlled so that no agricultural or non- agricultural land is affected. Damage to any land shall be mitigated and suitable compensation shall be provided in consultation with the local Panchayat.	The said stipulation will be complied during operation phase of the project.
xxxiv	Ash pond shall be lined with HDPE/LDPE lining or any other suitable impermeable media so that no leachate takes place at any point of time. Adequate safety measure shall also be implemented to protect the ash dyke from getting breached.	Construction of ash pond along with HDPE lining work under progress. The said stipulation will be complied. Work is under progress.
xxxv	Green belt consisting of three tiers of plantations of native species around plant and at 50 m width shall be raised. Wherever 50 m width is not feasible lesser width but not less than 20 m shall be raised after providing adequate justification to the Ministry. Tree density shall not be less than 2500 per ha with survival rate not less than 80%.	Noted. Mass tree plantation of native species around the plant are being taken up frequently to develop the Greenbelt area as per as per stipulated conditions.
xxxvi	Green belt shall also be developed around the Ash Pond over and above the Green Belt around the plant boundary.	The same will be complied as per said stipulations.

xxvii	An Environmental cell comprising of at least one expert in environmental science/ engineering, ecology, occupational health and social science, shall be created preferably at the project site itself and shall be headed by 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 Plant who would be accountable for implementation of environmental regulations and social impact improvement/ mitigation measures.	An Environmental Cell had been setup comprising with an Environmental Engineer. The cell is headed by a General Manager level official directly reporting to the head of the plant.
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.	Construction of Effluent Treatment Plant work in progress and the said stipulation will be complied with during operation phase of the project.
ii	A sewage treatment plant shall be provided (as applicable) and the treated sewage shall be used for raising green belt/ plantation.	Construction of STP in the plant is under progress. Also, a 600 KLD STP separately for the township had been installed and is operational. The treated sewage conforming to prescribed standards are being utilized for plantation & raising greenbelt areas.
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 Ministry.	Construction of Dust Suppression System is under progress. The said stipulation will be complied during operation phase of the plant.
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.	License for storage of 5775.20 KL LDO (Petroleum Class-C product) had been obtained from O/o Chief Controller of Explosive, Nagpur. vide letter dated: 09-06-2021. Hazop Study Report prepared for the plant.
v	First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.	All arrangements related to first aid and sanitation for workers/drivers during construction phase of the project are under the scope of EPC contractor. However, NUPPL monitors effective compliance of the said stipulations.
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 compressor etc. shall be periodically examined to maintain audiometric record and for treatment for any hearing loss including shifting to non-noisy/ less noisy areas.	The said stipulation will be complied during operation phase of the plant.
vii	Regular monitoring of ambient air ground level concentration of SO ₂ , NO _x , PM _{2.5} & PM ₁₀ 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 Regional Office of this ministry. The data shall also be put on the website of the company.	NOC for installation of 04 nos. of AAQMS was received from Regional Office, UP Pollution Control Board, Kanpur vide letter dated 05/02/2021. Procurement is under progress by EPC Contractor.
viii	Utilization of 100% Fly Ash generated shall be made from 4 th year of operation. Status of implementation shall be reported to the Regional Office of the Ministry from time to time.	The said stipulation will be complied during operation phase of the plant.
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.	Labour colonies with necessary infrastructure facilities such as housing, sanitation, mobile toilet, fuel, medical facilities, safety, drinking water supply etc. is being provided for construction labours through EPC contractors. NUPPL monitors for effective compliance of the said stipulation by the contractors.
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 Website of the Ministry of Environment and Forests at http://envfor.nic.in .	Complied. The information of Environment Clearance was advertised in local newspapers i.e. Amar Ujala, Hindustan and Times of India.

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.	Complied. Copy of clearance letter had been already submitted to Village Pradhan and local body.
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 (PM2.5 & PM10), SO2, NOx (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 said stipulation will be complied after operation of the plant.
xiii	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 conditions and shall also be sent to the respective Regional Offices of the Ministry by e- mail.	The said stipulation will be complied after operation of the plant.
xiv	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environmental 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 clearance conditions on their website and update the same periodically and simultaneously send the same by e-mail to the Regional Office, Ministry of Environment and Forests.	Noted. The Six-monthly Environment clearance compliance report is being submitted periodically to MoEF&CC, central pollution control board and state pollution control board.
xv	Regional office of the Ministry of Environment & Forests will monitor the implementation of the stipulated conditions. A complete set of documents, including Environmental Impact Assessment Report and Environment Management Plan along with the additional information submitted from time to time shall be forwarded to the Regional Office for their use during monitoring. Project proponent will up-load the compliance status in their website and up-date the same from time to time at least six-monthly basis. Criteria pollutants levels including Nox (from stack & ambient air) shall be displayed at the main gate of the power plant.	Noted. EIA report and Environment management plan is being shared with regional office.
xvi	Separate funds shall be allocated for implementation of environmental protection measures along with item – wise break-up. These costs 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.	Financial provision stipulated towards environmental protection measures are not diverted. Year-wise expenditure will be shared with the ministry.
xvii	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.	Date of Project Approval by Gol: 27-07-2016. Date of Financial Closure : 22.06.2021 Project construction activities started with "Ground Breaking Ceremony" held on 20.10.2016 Approved COD Dates of Plant are – Unit I: 01.11.2021 Unit II: 31.03.2022 Unit III: 31.07.2022
xviii	Full co-operation 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.	Noted

6	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.	Noted
7	The environmental clearance accorded shall be valid for a period of 7 years for the date of issue of this letter to start operations by the power plant.	Noted
8	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
9	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
10	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
11	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