

एन यू पी पी एल



नेयवेली उत्तर प्रदेश पावर लिमिटेड

NEYVELI UTTAR PRADESH POWER LIMITED

(एन एल सी इंडिया लिमिटेड एवं 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 SITE
OFFICE, NEAR VILLAGE LAHURIMAU-KASIMPUR, GHATAMPUR TEHSIL, P.O.: SAMUHI-208001,
KANPUR NAGAR DISTRICT, UTTAR PRADESH

CIN:U40300UP2012GOI053569, GSTIN: 09AAECN3221F1ZS

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



Lr. No. CEO/NUPPL/MoEF&CC/15/2/2020

Date - 01.07.2020

To,
The Regional Officer,
Ministry of Environment, Forest and Climate Change,
Regional Office (CZ), Kendriya Bhawan, 5th Floor,
Sector "H", Aliganj, Lucknow-226020.
Uttar Pradesh.

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 for your kind
information and records.

Thanking you and with regards.

Yours Sincerely,


Chief Executive Officer
Neyveli Uttar Pradesh Power Ltd.

Encl: As Above.

Copy to:

- 1) Chief Environment Officer (Circle - 2), U.P. Pollution Control Board, Lucknow.
- 2) The Regional Officer, U.P. Pollution Control Board, Kanpur.

निबद्ध कार्यालय 6/42, विपुल खंड, गोमती नगर, लखनऊ-226010 (उ.प्र.) फैक्स-0522-4951065
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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 as on 30.06.2020
1	Latest authenticated satellite imagery shall be submitted on an annual basis to monitor the alterations of the area.	The said stipulation will be complied.
2	The Guidelines for import of coal, as and when notified by the concerned Authority, shall be complied with.	The said stipulation will be complied.
3	The Sulphur and ash content of coal shall not exceed 0.45 % 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.	The said stipulation will be complied during operation phase of the project.
4	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.
5	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.	The CSR activities 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 are completed.

		Further, renovation of 8 primary schools, Refurbishment of water body, Conducting Integrated village development program, Art of Living, Construction of community hall etc. are in progress.
6	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 only. CSR works are being carried out for local area welfare. In future same will be followed.
7	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.	CSR Committee has already been constituted. Evaluation will be done in due course as per recommendations.
8	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.
9	Vision document specifying prospective plan for the site shall be formulated and submitted to the Regional Office of the Ministry within six months.	The same said stipulation will be complied.
10	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	Estimation and technical preparation in progress. The same said stipulation will be complied after construction of building structures.

	with half yearly monitoring report.	
11	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.
12	A stack of 275 m height shall be provided with continuous online monitoring equipment's 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.	RCC shell work for chimney is completed. The same said stipulation will be complied during operation phase of the project.
13	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 shall be provided.	High Efficiency Electrostatic precipitators (ESPs) are under construction. The same said stipulation will be complied during operation phase of the project.
14	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.	The said stipulation will be complied during operation phase of the project Adequate numbers of dust suppression and dust extraction systems will be provided in coal handing and including coal stock area and other vulnerable dusty area for control of fugitive dust emissions.
15	COC of at least 5.0 shall be adopted.	The same said stipulation will be complied during operation phase of the project.

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16	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 project.
17	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 is already added in work contract. It is also proposed for various administrative, other buildings and Township area. The same said stipulation will be complied.
18	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.	The said stipulation is being complied. Establishment of proper drainage for the entire plant area is being established, crouching all the surface run-off water to a common place- rain water pond for zero discharge from the power plant.
19	Hydrogeology of the area shall be reviewed annually from an instate/ organization of repute 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.
20	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.
21	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.	All additional soil levelling of the project site will be done from within the sites only with all necessary precautions to protect natural drainage system of the area.
22	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.
23	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. Fugitive emission of fly ash & dust will be controlled with the aid of suitable pollution control devices such as dust extraction system and dust suppression system, etc. Mass plantation will be undertaken in all available spaces including coal handling area, ash handling area etc.
24	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.
25	Green belt consisting of three tiers of plantations of native species around plant and at 50 m width shall be raised after providing	More than 20,000 trees of different native species were already planted in the GTPP site as well in the township area. Mass plantation will be done continuously to

	adequate justification to the ministry. Tree density shall not be less than 2500 per hectare with survival rate not less than 80%.	develop the Green belt area as well the other available spaces also. Plantation will be done as per stipulated conditions.
26	Green belt shall also be developed around the Ash pond over and above the Green belt around the plant boundary.	Plantation will be done as per stipulations.
27	An Environmental cell comprising of at least on 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 is being formed, headed by a General Manager level official with an Executive Engineer (Environmental Engineer). The environmental cell will be responsible for implementing and monitoring the stipulations.
B	General Conditions	
1	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.	The concept of Zero Liquid Discharge (ZLD) shall be adopted through reuse of plant effluents. An independent plant effluent drainage system will be constructed to ensure that plant effluents do not mix with storm water drainage. Construction of Effluent Treatment Plant work in progress and the said stipulation will be complied with during operation phase of the project.
2	A sewage treatment plant shall be provided (as applicable) and the	All domestic sewage emanated from plant and township will be treated in a separate sewage treatment plant.

	treated sewage shall be used for raising green belt/ plantation.	The treated sewage conforming to prescribed standards shall be utilized for plantation & raising greenbelt to the extent possible.
3	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 Plain Water Dust Suppression System is under progress. The said stipulation will be complied during operation phase of the project.
4	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.	NUPPL received the approval from the Office of Chief Controller of Explosive, Nagpur. vide letter no - A/P/HQ/UP/15/5420 (P430541) dated: 06 -12-2018, for installation of Storage facilities for auxiliary liquid fuel such as LDO/HFO and erection works in progress. Will be complied during commissioning phase of the system.
5	First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.	All arrangements related to first aid, health & safety and sanitation for workers/drivers during construction phase of the project have been kept under the scope of EPC contractor. However, NUPPL monitors effective compliance of the said stipulations.
6	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 earplug/ ear muffs etc. shall be provided. Workers engaged in noisy areas such as turbine area, air compressor etc.	Design specification for the equipment's has been made to comply with the stipulation. Personal protective equipment has been arranged through EPC contractors during construction phase. Periodic examination of workers during operation phase shall be done as

	shall be periodically examined to maintain audiometric record and for treatment for any hearing loss including shifting to non-noisy/ less noisy areas.	stipulated. The workers of the generator hall and other high noise area will be provided with appropriate ear protection devices.
7	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 to 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.	Installation of Ambient Air Quality Monitoring System is already in scope. Selection of location for installing 04 numbers of the monitoring stations in under progress and same is already being communicated with the State pollution control board vide letter no: NUPPL/GTPP/AAQMS/UPPCB/776/2020 Dt:14-02-2020
8	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.	The said stipulation will be complied during operation phase of the project.
9	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 contactors.

10	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 .	The information of Environment Clearance was advertised in local newspapers i.e. Amar Ujala, Hindustan and Times of India.
11	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.	Copy of clearance letter had been already submitted to Village Pradhan and local body. Also, website for NUPPL is under development and the said stipulation will be complied.
12	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 operational of the project. Also, website for NUPPL is under development.
	The environment statement for each financial year ending 31 st march in from-V as is mandated to be submitted by the project proponent to	Environmental Statement for the period April 2019-March 2020 had been submitted to UPPCB vide letter

13	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 officers of the ministry b e- mail.	No. CEO/NUPPL/MOEF&CC/Environmental Statement/834/2020 Dated: 27.05.2020. Website for NUPPL is under development. The said stipulation will be complied.
14	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.	The Six-monthly Environment clearance compliance report is being submitted periodically to MoEF&CC, central pollution control board and state pollution control board. Website for NUPPL is under development. The said stipulation will be complied.
15	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 regional information submitted from time to time shall be forwarded to the regional office for their use during monitoring project proponent will upload 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.	Environment management plan is being shared with regional office. Website for NUPPL is under development. The same said stipulation will be complied.

16	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 measure will not be diverted for any other purpose. Year-wise expenditure will be shared with the ministry.
17	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. Anticipated Dates of Commissioning of Plant – Unit I: 26.11.2020 Unit II: 26.05.2021 Unit III: 26.11.2021
18	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.	Full co-operation shall be extended to the Scientists/ Officers from the Ministry / Regional Office of the Ministry/ CPCB/ SPCB during monitoring the compliances of environmental status.
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	Noted.

Signature

	result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	
9	Incase 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, 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.

Am