

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

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, env.nuppl@nlcindia.in



संयुक्त
उत्पादन निगम

Lr. No. CEO/NUPPL/MoEF&CC/EC/053/2024/2098

Date- 01.06.2024

To

The Addl. Director (IA Monitoring),
Ministry of Environment, Forest & Climate Change,
Indira Paryavaran Bhavan,
Jor Bagh Road, Aliganj
New Delhi -110003.
(Email: yogendra78@nic.in)

Kind Attention: Dr. Yogendra Pal Singh

Respected Sir,

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

Ref: Environment Clearance No J-13012/113/2011-IA II (T) Dt.17.06.2015 from MoEF, GoI

Green Greetings From NUPPL

Please find enclosed herewith Six-Monthly Compliance Status Report for the General and Specific Conditions mentioned in the Environmental Clearance(Ref.) for the period: October-2023 to March-2024. This is for your kind information and records.

Thanking you with warm regards.

Yours Sincerely,

(Santhosh C.S)

Chief Executive Officer

Neyveli Uttar Pradesh Power Ltd.

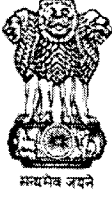
Encl.: As Above.

Lr. No. CEO/NUPPL/MoEF&CC/EC/053/2024/2098 of dated: 01.06.2024

Copy forwarded to the following for information and necessary action:

- 1) Intregated Regional office, MoEF&CC, Kendriya Bhawan, 5th Floor, Sector H, Aliganj, Lucknow, Uttar Pradesh-260224 (Email: rcoz.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.in).
- 3) The Regional Officer, U.P. Pollution Control Board, 243, Avas Vikas, Phase III, Sadbhavna Nagar, Kalyanpur, Kanpur-208017 (Email: rokanpur@uppcb.in).

(Santhosh C.S)



J-13012/113/2011-IA.II (T)
Government of India
Ministry of Environment, Forest and Climate Change

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

Date: 17.06.2015

To

M/s Neyveli Uttar Pradesh Power Ltd.
(A JV firm of NLC Ltd. & M/s. UPRVUNL)
Neyveli House, 135, Periyar E.V.R. High Road
Kalpauk, Chennai - 600 010
Tamil Nadu

Tel. No. 04142-252280; Fax: 04142-252543

Subject: Environmental Clearance to Super Critical Imported Coal Based Ghatampur Thermal Power Station of 1980 (3x660) MW Capacity at Tehsil Ghatampur, District Kanpur Nagar, Uttar Pradesh by M/s Neyveli Uttar Pradesh Power Ltd.- reg.

Sir,

This has reference to your letters dated 05.07.2013, 29.07.2013, 22.08.2013, 13.09.2013, 20.02.2014, 24.09.2014, 21.11.2014, 22.12.2014 and 13.02.2015 seeking environmental clearance for the above mentioned project. The Ministry has examined your application. It is inter-alia noted that the ToR for preparation of EIA/EMP report was accorded by the Ministry on 28.12.2011. Public Hearing for the project was conducted by the UPPCB on 23.03.2013.

2. The total project area is 1886 acres including ash pond area and township. Physical Possession of the entire land of project site has been given on 27.11.2014. There are no national parks, wildlife sanctuaries, biosphere/tiger reserves etc. within 10 km of the plant. There are four reserve forests in the study area viz. Mannjhupur R.F at 3.4 km in the west direction, Chandupur East Block R.F. at 4.0 Km in the West direction, Badanpur R.F. at 4.0 Km in the West direction and Chandupur West Block R.F at 6.0 km in the West. The total project cost is Rs. 14375.4 crores.

3. Imported coal will be utilized for the project till the Pachwara South Coal Block attains the rated production. An MOU has been signed with MSTC Ltd. on 21.11.2014 for supply of imported coal which has been amended on 04.02.2015. The sulphur and ash content of imported coal shall range from 0.22-0.46 % and 4.0-6.6% respectively. The distance of the project site from Pachwara South Coal Block and Paradip Port (for imported coal) is 970 Km and 1130 Km respectively. Railways have confirmed transportation of imported coal to the project site from Paradip Port as per their logistics plan.

4. The total water requirement is estimated to be 6275 m³/hr (150.6 MLD), which will be met from River Ganga (seepage water from West Allahabad branch canal near Bidhnu Kasba Village). The permission for water drawl has been obtained from the Govt. of U.P. on 6th June, 2012. The total ash generated from the power plant will be 2.89 MTPA out of which 2.31 MTPA will constitute fly ash (80%) and the balance as bottom ash. M/s JK Cements have signed a Fly Ash off take agreement with NUPPL to take 1.16 MT during the first year, 1.93 MT during the second year and 2.31 MT from the third year onwards. The area provided for ash

dyke is 427 acres which is well within the CEA norm of 495 acres for 3 x 660 MW plant.

5. Based on the documents, information/clarifications submitted and presentations made by you and your consultant viz. M/s Vimta Labs, Hyderabad before the Expert Appraisal Committee (Thermal Power) in its 6th, 11th, 28th and 32nd Meetings held during 5th-6th December 2013, 13th-14th February 2014, 23rd-24th December 2014 & 23rd-24th, February 2015, the Ministry hereby accords environmental clearance to the above project under the provisions of EIA Notification dated September 14, 2006 and its subsequent amendments therein subject to compliance of the following Specific and General conditions:

A. Specific Conditions:

- i) Latest authenticated satellite imagery shall be submitted on an annual basis to monitor the alterations of the area.
- ii) *The guidelines for import of coal, as and when notified by the concerned Authority, shall be complied with.*
- 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.*
- iv) *The coal transportation shall be by Rail only.*
- 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.*
- 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.
- 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.
- viii) *FGD shall be provided to minimize the SO₂ emissions.*
- ix) Vision document specifying prospective plan for the site shall be formulated and submitted to the Regional Office of the Ministry within **six months**.
- 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.
- 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 metals in coal and fly ash (including bottom ash) shall be put in place.

- xii) A stack of 275 m height shall be provided with continuous online monitoring equipments for SO_x, NO_x and PM_{2.5} & 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.
- xiii) High Efficiency Electrostatic Precipitators (ESPs) shall be installed to ensure that particulate emission does not exceed 50 mg/Nm³. 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.
- xiv) 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.
- xv) COC of atleast 5.0 shall be adopted.
- xvi) 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.
- xvii) 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.
- xviii) No water bodies including natural drainage system in the area shall be disturbed due to activities associated with the setting up / operation of the power plant.
- xix) Hydrogeology of the area shall be reviewed annually from an institute/ organization of repute to assess impact 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.
- xx) Wastewater generated from the plant shall be treated before discharge to comply limits prescribed by the SPCB/CPCB.
- xxi) 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.
- xxii) 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.



- xxiii) 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.
- xxiv) 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 measures shall also be implemented to protect the ash dyke from getting breached.
- xxv) Green Belt consisting of three tiers of plantations of native species around plant and at least of 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 %.
- xxvi) Green belt shall also be developed around the Ash Pond over and above the Green Belt around the plant boundary.
- 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.

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 Website of the Ministry of Environment and Forests 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 the Ministry of Environment and Forests, its Regional Office, Central Pollution Control Board and State Pollution Control Board. The project**



proponent shall upload the status of compliance of the environmental 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.


- (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 NO_x (from stack & ambient air) shall be displayed at the main gate of the power plant.**
- (xvi) 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.
- (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.
- (xviii) 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.
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.
7. 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.
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.
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.
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.
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.

Yours faithfully,

/
(B.B. Barman)
Scientist 'F'

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 Secretary, Department of Environment, Government of U.P.
5. The Chairman, U.P. Pollution Control Board, PICUP Bhawan, 3rd Floor, B-Block, Vibhuti Khand, Gomti Nagar, Lucknow-226010.
6. The Addl. Principal Chief Conservator of Forests (C), Ministry of Environment, Forest & Climate Change, Regional Office (Central Zone), Kendriya Bhavan, 5th Floor, Sector - H, Aliganj, Lucknow.
7. The Collector, District Kanpur Nagar, U.P.
8. Guard file/Monitoring file.
9. Website of MoEF&CC


(B.B. Barman)
Scientist 'F'

SIX MONTHLY COMPLIANCE REPORT OF ENVIRONMENTAL CLEARANCE



3 X 660 MW GHATAMPUR THERMAL POWER PROJECT

NEAR VILLAGE LAHURIMAU-KASIMPUR,
GHATAMPUR TEHSIL, P.O.: SAMUHI-208001,
DISTRICT-KANPUR NAGAR (UTTAR PRADESH)

Submitted to:

MOEF&CC, NEW DELHI
REGIONAL OFFICE OF MOEF&CC, LUCKNOW
CENTRAL POLLUTION CONTROL BOARD (CPCB), LUCKNOW.
U P POLLUTION CONTROL BOARD, LUCKNOW.

Submitted by:

NEYVELI UTTAR PRADESH POWER LIMITED
(A JOINT VENTURE OF NLC INDIA LTD. & UP RAJYA VIDYUT UTPADAN NIGAM LTD.)

*Regd. Office: KH 419, G.N. Extension,
Gomti Nagar, Lucknow-226010 (U.P.)-Tele Fax:0522-4951065*

(Period: October 2024 - March 2024)

**Ghatampur Thermal Power Project (3 X 660 MW), NEAR VILLAGE LAHURIMAU-KASIMPUR,
GHATAMPUR TEHSIL, KANPUR NAGAR DISTRICT, UTTAR PRADESH**

SIX MONTHLY COMPLIANCE STATUS OF ENVIRONMENTAL CLEARANCE CONDITIONS

EC LETTER NO J-13012/113/2011-IA II (T) DT.17.06.2015

Sl. No.	ENVIRONMENTAL CLEARANCE CONDITIONS	Compliance Status as on 31.03.2024
A	Specific Conditions	
i	Latest authenticated satellite imagery shall be submitted on an annual basis to monitor the alterations of the area.	Noted. Please refer Annexure-I.
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 0.45 % 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.	Coal will not be imported for the project. 100% Domestic coal will be used. The Sulphur and Ash content of the domestic coal is submitted to the Ministry vide Lr. No. CEO/NUPPL/MoEF&CC/EC/43/2023/1945 Date: 22.11.2023
iv	The coal transportation shall be by rail only.	Noted. Coal will be transported to GTPP by rail mode only.
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.	Noted. Please refer Annexure-II.
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.	Noted. Please refer Annexure-II.

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.	Noted. Please refer Annexure-II.
viii	FGD shall be provided to minimize the SO ₂ emissions.	Noted. Construction work is under progress.
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. Please refer Annexure-III
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.	Complied. Please refer Annexure-IV
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 plant.
xii	A stack of 275 m height shall be provided with continuous online monitoring equipment's for SO _x , NO _x and PM _{2.5} & PM 10. Exit velocity of flue gases shall not be less than 22 m/ sec. mercury emissions from stack shall also be monitored on periodic basis.	A stack of 275 mtr. height installed with continuous online monitoring equipment's for SO _x , NO _x and PM _{2.5} & PM 10 (Attached Annexure-V). The other said stipulation will be complied during operation phase of the plant.
xiii	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	High Efficiency Electrostatic precipitators (ESPs) for Unit-I installation completed and remaining ESPs are under construction. The

	water spray systems in dusty areas such as in coal handing and ash handing points, transfer areas shall be provided.	other said stipulation will be complied during operation phase of the plant.
xiv	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.	<p>1) Adequate dust extraction system will be provided along with bag filter at Coal handling plant at different locations (Crusher House, Unit 1,2,3 Bunker).</p> <p>2) Dry fog dust suppression system (DFDS) will be provided at all receiving/discharge chutes at CHP.</p> <p>3) Stock pile dust suppression (SPDS) system will be provided at all coal stock piles to suppress the dust.</p> <p>4) Adequate dust extraction system will be provided along with bag filter at Ash handling plant at different locations (ESP, Ash silo)</p> <p>5) Rotary ash conditioner will be provided at ash silo to suppress the fine dust at AHP.</p> <p>The above dust extraction and suppression systems are under construction.</p>
xv	COC of at least 5.0 shall be adopted.	Circulating water system work under progress. NDCT (Natural Draught cooling tower) work under progress. 01 no. NDCT for each unit. The CW system is proposed to operate at 5 cycles of concentrations.
xvi	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.	Noted.

xvii	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.	Noted. Same is under implementation.
xviii	No water bodies including natural drainage system in the area shall be disturbed due to activities associated with the setting up/ operation of the power plant.	Noted. The said stipulation is being complied.
xix	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 plant.
xx	Wastewater generated from the plant shall be treated before discharge to comply limits prescribed by the SPCB/ CPCB.	Noted. NUPPL is based on Zero Liquid Discharge Concept. Construction of 830 KLD capacity ETP - 01 no. & 80 KLD capacity STP - 01 no. at the plant in under progress. For, NUPPL township a separate 600 KLD capacity STP has been installed and is under operation. The treated sewage conforming to prescribed standards are being utilized for plantation and raising greenbelt areas.
xxi	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.	Complied. Additional soil are being utilized within the plant premises only with all necessary precautions to protect natural drainage system of the area.
	Fly ash shall be collected in dry form and storage facility (silos) shall be provided for the same.	

xxii	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.	Noted. 6 nos. of Fly Ash Silos each having capacity of 2100 T provided for storage and further sale of Fly Ash. All incorporated in the design and will be ensured during operation phase of the project.
xxiii	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.	Noted.
xxiv	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. All incorporated in the design and will be ensured during operation phase of the project.
xxv	Green belt consisting of three tiers of plantations of native species around plant and at 50 m width shall be raised after providing adequate justification to the ministry. Tree density shall not be less than 2500 per hectare with survival rate not less than 80%.	Noted. Please refer Annexure-VI.
xxvi	Green belt shall also be developed around the Ash Pond over and above the Green belt around the plant boundary.	
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.	NUPPL Environment Cell Organization Structure attached as Annexure-VII.

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.	Noted. Construction of 01 no. 830 KLD capacity Effluent Treatment Plant for the plant as per the standards is in progress.
ii	A sewage treatment plant shall be provided (as applicable) and the treated sewage shall be used for raising green belt/ plantation.	Construction of 01 no. 80 KLD capacity STP in the plant is under progress.
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.	Noted. Construction of fire system is under progress. Also, installation of Dust Suppression System is under progress.
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.	Complied. Please refer Annexure-VIII.
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 earplug/ 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.	Noted. All incorporated in the design and will be ensured during operation 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 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.	NOC for installation of 04 nos. of AAQMS was received from Regional Office, UP Pollution Control Board, Kanpur vide letter dated 05/02/2021. Supply of AAQMS system received at site. Civil Foundation work is under progress. Installation and commissioning will be completed before COD of Unit-I.
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.	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.	Complied. Please refer Annexure-VIII.
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. Please refer Annexure-IX.
	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila parisad/	

xi	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. Please refer Annexure-IX.
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.	Noted. All the instruments required for monitoring Stack emission parameters received at site. The criteria pollutant levels namely; SPM, RSPM (PM2.5 & PM10), SO2, NOx (ambient levels as well as stack emissions) will be displayed at a convenient location near the main gate of the company in the public domain. The other said stipulation will be complied.
xiii	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 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 by e-mail.	Noted. 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	Complied. The Six-monthly Environment clearance compliance report is being uploaded at https://nuppl.co.in/clearances/ and updated periodically. Also, the report is submitted periodically to Ministry of Environmental and Forests, its Regional Office, Central

	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.	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 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.	Noted. Environment impact Assessment Report and Environment management plan are being shared with Regional office, MoEF&CC. The Six-monthly Environment clearance compliance report is being uploaded at https://nuppl.co.in/clearances/ and updated periodically. Criteria pollutants levels including NO _x (from stack and ambient air) will be displayed at main gate of power plant.
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.	Noted. Financial provision stipulated towards environmental protection measures are not diverted for any other purpose.
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 GoI: 27-07-2016. Date of Financial Closure: Revised cost of project approved on 24-04-2023 of Rs. 19406.12 Cr, against which financial closure is under progress. Project construction activities started with "Ground Breaking Ceremony" held on 20.10.2016 NUPPL Board approved COD Dates are – Unit I: 30.06.2024

		Unit II: 30.11.2024 Unit III: 31.03.2025
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. Full co-operation is being 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. In accordance with the MoEFCC OM No. F.No.1A3-22/28/2022-1A.111[E181584] dt. 13.12.2022, it is learnt that NUPPL EC is valid for 7+3=10 years (Until 16.06.2025 from date of issue i.e. 17.06.2015)
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	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	Noted.

	Movement) Rules, 2008 and its amendments, the Public Liability Insurance Act, 1991 and its amendments.	
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.

date

Santhosh C.S.
01/01/24

(Santhosh C.S)

(Chief Executive Officer)

Neyveli Uttar Pradesh Power Ltd.