

EC/VL-CTPP/Env/2025-26/09

May 31, 2025

To
The Regional Officer (IRO)
Ministry of Environment, Forest & Climate Change
Integrated Regional Office, Aranya Bhawan
North Block, Sector-19
Nava Raipur, Atal Nagar (CG) 492002

Subject:

Submission of Six-monthly Compliance Status Report (October 2024 to March 2025) of M/s. Vedanta Limited, Chhattisgarh Thermal Power Plant, Village- Singhitarai, Tehsil-Dabbara, District-Sakti (CG).

Reference:

1. Environmental Clearance File No.: J-13012/ 07/ 2009-IA. II(T) (EC Identification # EC23A0601CG5872873N) dated 06.01.2024
2. Letter dated 30.09.2024, changing name of the Company in EC dated 06.01.2024 from Athena Chhattisgarh Power Limited to Vedanta Limited, Chhattisgarh Thermal Power Plant

Dear Sir/Madam,

In reference to the Environment Clearance File No.: J-13012/07/2009-IA. II(T) dated 06.01.2024 (EC Identification # EC23A0601CG5872873N) granted to the 2 X 600 MW Coal based Thermal Power Plant situated at villages Singhitarai, Benipali, Odekera & Nimohi, tehsil Dabbara, district Sakti, Chhattisgarh - 495695 of M/s. Vedanta Limited, Chhattisgarh Thermal Power Plant, we hereby submit the Six-monthly compliance report along with the necessary supporting documents for the period from October 2024 to March 2025 against the EC conditions mentioned in the afore-said Environment Clearance. The Six-monthly compliance report is Annexed as Annexure-A.

This is being submitted for your kind information and records please.

Thanking you,
For and on behalf of Vedanta Limited,

Devendra Kumar Patel
(Authorized Signatory)



Encl: as above

C/c: RO-CECB Bilaspur (CG)

Vedanta Limited, Chhattisgarh Thermal Power Plant

Site Office: Village-Singhitarai, Tehsil-Dabbara, District - Sakti, Chhattisgarh, Pin-495695

Registered Office: Vedanta Limited 1st Floor, 'C' wing, Unit 103, Corporate Avenue, Atul Projects, Chakala, Andheri (East), Mumbai 400093, Maharashtra, India

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CIN: L13209MH1965PLC291394

SIX MONTHLY COMPLIANCE REPORT OF 2 X 600 MW COAL BASED THERMAL POWER PLANT
AT VILLAGES SINGHITARAI, BENIPALI, ODEKERA AND NIMOHI, TEHSIL-DABHARA,
DISTRICT-SAKTI (C.G.)
of M/s VEDANTA LIMITED, CHHATTISGARH THERMAL POWER PLANT

Duration: October - 2024 to March - 2025
MoEFCC - File No: J-13012/07/2009-IA.II(T) dated 06.01.2024 and
Name Change Letter dated 30.09.2024

EC Identification # EC23A0601CG5872873N

#	EC Conditions	Compliance Requirement
13	General Instructions:	
a	The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC/SEIAA website where it is displayed.	Complied with. Advertisement about the grant of Environmental clearance has been released in 2 newspapers one of them being the vernacular language (The Pioneer English and in Haribhumi Hindi) on 09.01.2024. Copy of the Newspaper cutting is attached herewith as Annexure-I
b	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Complied with. Project proponent has submitted copy of the Environmental Clearance at office of the local bodies including Dist. Collector and Gram Panchayat/s. Copy of acknowledgement is attached herewith as Annexure-II .
c	The project proponent shall have a well laid down environmental policy duly approved by the Board of Directors (in case of Company) or competent authority, duly prescribing standard operating procedures to have proper checks and balances and to bring into focus any infringements / deviation / violation of the environmental / forest / wildlife norms / conditions.	Complied with. HSE Policy is in place.

d	<p>Action plan for implementing EMP and environmental conditions along with responsibility matrix of the project proponent (during construction phase) and authorized entity mandated with compliance of conditions (during operational phase) shall be prepared. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Six monthly progress of implementation of action plan shall be reported to the Ministry / Regional Office along with the Six-Monthly Compliance Report.</p>	<p>Noted and being complied with.</p> <p>The project has obtained Consent to Establish in the month of May 2024, accordingly EMP is being implemented to meet the EC conditions during operational phase of plant. Presently unit-1 (1 X 600 MW) is being commissioned and expected to be operationalised by June 2025.</p>
e	<p>Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.</p>	<p>Noted.</p>
f	<p>The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.</p>	<p>Noted.</p> <p>Company will extend full cooperation to the statutory authorities as and when required.</p>
g	<p>Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.</p>	<p>Noted.</p>
1	Environmental Management**	
i	<p>Zero Liquid Discharge shall be ensured, and no waste/treated water shall be discharged outside the premises.</p>	<p>Noted and will be complied.</p>
ii	<p>Peripheral Green belt (Three row plantation) with Miyawaki plantation technique of 15 m thickness along the plant boundary shall be developed with more than 90% survival rate of the plant species focusing on Ash Dyke area.</p>	<p>Noted and will be complied.</p>
iii	<p>Extensive green cover within 2 km range of the plant boundary shall be developed. An action plan in this regard to be prepared in consultation with CPCB/expert institution and submitted before Regional Office of the Ministry within 3 months.</p>	<p>Will be Complied.</p> <p>Action plan prepared in consultation with and approved by NIT Raipur has been submitted to MoEFCC wide our mail dated 06.04.2024 and 03.05.2024 Copy attached as Annexure-III</p>

iv	24X7 online monitoring system for ambient air quality shall be established with its connectivity with SPCB and CPCB server. Stack monitoring shall be done through 24X7 online monitoring system.	Noted. 4 nos of CAAQMS have been established in consultation with CECB and same will be connected with the CPCB and SPCB Server CEMS will be connected with CPCB / CECB servers once the unit is operationalised.
v	Adequate dust extraction system such as cyclones/bag filters and water spray system in dusty areas such as waste delivery points, transfer areas and other vulnerable dusty areas shall be provided along with an environment friendly sludge disposal system. Water Sprinkling on roads shall be done in every 6 hours in winter season and 3 hours in summer season of roads within 1 km range approaching the plant. A logbook shall be maintained for the activity and be in six-monthly compliance report.	Noted and being complied with.
vi	LED display of air quality (Continuous Online monitoring) shall be installed on the roadside (within 1 km range) and nearby hotspots viz. residential colony, Schools Hospitals. Maintenance of devices shall be done on regular basis.	Noted and will be complied with after complete installation of CAAQMS.
vii	Everyday cleaning of road/Paved roads within 1 km range of plant site shall be ensured throughout the year through vacuum based vehicle.	Noted and will be complied during the operation of the unit.
viii	Environment Audit of plant shall be done annually, and report shall be submitted to regional office of the Ministry.	Noted and will be complied during operational phase of the unit.
ix	Project proponent shall explore the use of treated sewage water from the Sewage Treatment Plant of Municipality / local bodies/ similar organization located within 50km radius of the proposed power project to minimize the water drawl from surface water bodies.	Noted and will be explored.

x	A detailed action plan regarding leachate handling shall be prepared and implemented in consultation with SPCB and the same shall be submitted to the Regional Office of the Ministry. Zero liquid discharge shall be adopted. Leachate shall be treated and reused. No treated leachate shall be discharged in any circumstances. Characteristics of Leachate and the treated leachate shall be monitored once in quarter and records shall be maintained.	Ash generated from Power Plant is the only voluminous low toxic waste. As such leachate pond is not required. The decanted water from the ash pond will be recirculated back to the system for complete reutilization ensuring zero discharge.
xi	Oil and grease recovered from the treatment plant should be disposed only through authorized recyclers.	Noted and will be complied.
xii	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.	Noted and will be complied.
xiii	Fly ash handling shall be done strictly as per extent rules/regulations of the Ministry/CPCB issued from time to time including Ministry's Notification No. S.O.5481(E) dated 31st December, 2021. No coal shall be transported through road shall be allowed.	Noted and will be complied during operation phase as per the rules/ notification/ permission in this regard.
xiv	Monitoring of surface water quality and Ground Water 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. To comply with the condition MoEFCC and NABL approved Environmental laboratory has been engaged for monitoring and we have started the monitoring activities accordingly. Copy of Monitoring reports are attached herewith as Annexure-IV .
xv	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 and being complied.

xvi	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. A list of all small and large water bodies shall be prepared after physical survey within 10 km radius of the project. A detailed conservation plan for all these water bodies shall be prepared and submitted before the Regional Office of the Ministry within 3 months. Implementation status of conservation plan be submitted in 6 monthly compliance report.	Noted and being complied with. List of water bodies and conservation plan has been prepared and submitted to MoEFCC wide our mail dated 06.04.2024. Copy attached as Annexure-V . Implementation of conservation plan will be initiated after successful commissioning of the plant and will be reported to the office of the Ministry (MoEF&CC) subsequently.
xvii	Watershed development plan shall be prepared and implemented focusing on micro watershed development within 10 km radius of the project. Action taken report in this regard be submitted before regional office of the Ministry in 6 monthly compliance report.	Watershed development plan has been prepared in consultation with NIT Raipur. Copy of the same is attached herewith as Annexure-VI . Implementation of recommendations will be initiated after successful commissioning of the plant and will be reported to the office of the Ministry (MoEF&CC) subsequently.
xviii	A detailed ecological monitoring and survey covering forestry, fisheries, wildlife and its habitat shall be done once in two years to assess the impacts of project on the local environment and ecology. Monitoring report shall be uploaded on the Parivesh Portal and a copy of the same be submitted to the regional office of MoEF&CC.	Noted and will be complied with during operation phase of the unit.
xix	For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	Noted and will be complied with as per the requirement.
xx	An Environmental Cell headed by the Environment Manager with postgraduate qualification in environmental science/environmental engineering, shall be created. 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.	Complied with.

xxi	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.	Noted and will be complied with.
xxii	The energy sources for lighting purposes shall preferably be LED based.	Being complied with.
xxiii	Explore desulphurization from biotechnological method.	Noted. Desulfurization from biotechnological method will be explored.
xxiv	No construction work of the project shall be started without obtaining Stage- II Forest Clearance.	Noted and complied with. Stage-II forest clearance has been obtained vide MoEFCC letter # File No. 6-CHC-47/2014-HBO/1607 dated 26.03.2024. Copy attached as Annexure- VII.
2	Miscellaneous	
2.1 i	Consent to Establish/Operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.	Complied with. Consent to Establish has been obtained from CECB vide letter # 1078/TS/CECB/2024 Nava Raipur Atal Nagar, Dated: 09/05/2024. Consent to Operate under the Water and Air for trial / commissioning operation activities has been obtained vide letter # 11933/TS/CECB/2025 Nava Raipur Atal Nagar, Dated: 18/03/2025. Copy of the CTE and CTO is attached as Annexure-VIII.
ii	All necessary clearance from the concerned Authority, as may be applicable should be obtained prior to commencement of project or activity.	Noted and being complied as per the requirement
3	Socio-economic	
3.1 i	Public grievance redressal system shall be established under supervision of project head. The functioning of the system shall be reviewed every month.	Noted and being complied with
ii	A vision document comprising prospective plan for implementation of various CFR activities, plantation	Being complied with.

	programme outside the project cover area, rejuvenation, and conservation of water bodies within 5km radius of the project cover area, creation of sacred groves etc shall be prepared and submitted to the Regional Office of the Ministry within 6 months. Implementation status of the same shall be reported to the regional office in 6 monthly compliance report.	Vision document has been submitted to IRO-MoEFCC Raipur vide letter # EC/ACPL/Env/2024-25/06 dated July 06, 2024. Copy attached as Annexure-IX . Implementation will be initiated after successful commissioning of the plant and will be reported to the office of the Ministry (MoEFCC) subsequently.
iii	Epidemiological Study among population within 5 km radius of project cover area shall be carried out on regular interval (Once in two year) through independent agency. Necessary measures shall be taken as per findings of study in consultation with district administration. Action taken report shall be submitted to the Regional Office of the Ministry.	Noted and will be complied during operational phase of the unit.
iv	The Project Proponent shall submit the time- bound action plan to the concerned regional office of the Ministry within 6 months from the date of issuance of Environmental Clearance for undertaking the CER activities, committed during public consultation by the project proponent and as discussed by the EAC, in terms of the provisions of the MoEF&CC Office Memorandum No.22-65/2017-IA.III dated 30 September, 2020. The action plan shall be implemented within three years of commencement of the project.	Time bound action plan has been submitted to IRO-MoEFCC Raipur vide letter # EC/ACPL/Env/2024-25/06 dated July 06, 2024. Copy attached as Annexure-IX and the same will be implemented as per the given timeline in the condition.
v	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Noted and being complied with.
vi	A multi-specialty Hospital with 100 beds shall be established and managed by the PP to cater the need of population living within 10 km. The project affected families shall be given free of cost treatment.	Noted and will be complied.
vii	A 10+2 Grade school with capacity of at least 500 students with well-equipped modern science practical lab, computer lab and other necessary infrastructure shall be established to provide education facilities in the area. The students from project affected families shall be given free of cost education.	Noted and will be complied.
viii	The establishment of a robust grievance redressal mechanism to address concerns and complaints from local communities regarding the power plant's operations, environmental impacts, or social issues shall be developed. A Senior Officer shall review the functioning of the mechanism twice in a month.	Noted and being complied with.
1	Statutory Compliance	

1.1	The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.	Noted and being complied
1.2	The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc. as per National Building Code including protection measures from lightning etc.	Noted and being complied with
1.3	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, in case of the diversion of forest land for non-forest purpose involved in the project.	Complied with. Stage-II forest clearance has been obtained vide MoEFCC letter # File No. 6-CHC-47/2014-HBO/1607 dated 26.03.2024. Copy attached as Annexure- VII.
1.4	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not Applicable.
1.5	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.	Complied with. Consent to Establish has obtained from CECB vide letter # 1078/TS/CECB/2024 Nava Raipur Atal Nagar, Dated: 09/05/2024. Consent to Operate under the Water and Air for trial / commissioning operation activities has been obtained vide letter # 11933/TS/CECB/2025 Nava Raipur Atal Nagar, Dated: 18/03/2025 Copy of CTE and CTO is attached as Annexure- VIII.
1.6	The project proponent shall obtain the necessary permission for drawl of ground water / surface water required for the project from the competent authority.	Noted and will be complied with, as applicable
1.7	A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.	Complied with.
1.8	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.	Noted and being complied as applicable.
1.9	The provisions of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste Management Rules, 2016, shall be followed.	Noted and will be complied as applicable.

1.10	The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly	Noted and will be followed as applicable.
2	Air Quality Monitoring and Preservation	
2.1	Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.	Noted.
2.2	A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.	Noted and will be complied as per applicability.
2.3	The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5) covering upwind and downwind directions during the construction period.	Noted and being complied with. AAQ Monitoring reports are attached as Annexure-X
2.4	Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.	Complied.
2.5	Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3-meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.	Noted and being complied with as applicable.
2.6	Sand, murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.	Noted and being complied
2.7	Wet jet shall be provided for grinding and stone cutting.	Noted and will be complied as applicable
2.8	Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.	Noted and being complied
2.9	All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Management Rules 2016.	Noted and will be complied as applicable

2.10	The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.	Noted and will be complied as applicable
2.11	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.	Noted and will be complied with as per applicability.
2.12	For indoor air quality the ventilation provisions as per National Building Code of India.	Noted and will be complied as applicable
3 Water Quality Monitoring and Preservation		
3.1	The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.	Noted and being complied with.
3.2	Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.	Noted and being complied with.
3.3	Total fresh water use shall not exceed the proposed requirement as provided in the project details.	Noted and will be complied with.
3.4	The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.	Noted and will be complied with.
3.5	A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.	Not applicable, since no water is sourced from local bodies present in the vicinity of the plant premises. However, will be complied as applicable.
3.6	At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.	Noted and being complied with.

3.7	Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.	Noted and will be complied with as applicable.
3.8	Use of water saving devices/fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.	Noted and being complied with as per the requirement.
3.9	Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.	Noted and will be complied as per the applicability.
3.10	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Noted and will be complied as applicable
3.11	The local bye-law provisions on rain water harvesting should be followed. If local bye-law provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.	Noted.
3.12	A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.	Noted.
3.13	All recharges should be limited to shallow aquifer.	Noted and will be complied
3.14	No ground water shall be used during construction phase of the project.	Noted
3.15	Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.	Noted and will be complied as applicable
3.16	Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.	Noted and being complied with.
3.17	No sewage or untreated effluent water would be discharged through storm water drains.	Noted.

3.18	Onsite sewage treatment of capacity of treating 100% wastewater to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.	Noted and will be complied with as per the requirement.
3.19	Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.	Noted and will be complied with as per the requirement.
3.20	Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.	Noted and will be complied with as per the applicability.
4 Noise Monitoring and Prevention		
4.1	Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.	Noted. To comply with the condition MoEFCC and NABL approved Environmental laboratory has been engaged for monitoring and noise monitoring results are attached as Annexure-XI .
4.2	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Noted. To comply with the condition MoEFCC and NABL approved Environmental laboratory has been engaged for monitoring and noise monitoring results are attached as Annexure-XI .
4.3	Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.	Noted and will be complied as applicable.
5 Energy Conservation Measures		
5.1	Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.	Noted and will be complied with as per the applicability.

5.2	Outdoor and common area lighting shall be LED.	Noted and being complied with
5.3	Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.	Noted and will be complied as applicable.
5.4	Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.	Noted and being complied with.
5.5	Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.	Noted and will be complied .
6	Waste Management	
6.1	A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.	Noted and will be complied
6.2	Disposal of muck during construction phase shall not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	Noted and will be complied as applicable.
6.3	Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.	Noted and will be complied as applicable.
6.4	Organic waste compost/Vermiculture pit/Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.	Noted and will be complied.
6.5	All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.	Noted and will be complied as applicable.
6.6	Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.	Noted and will be complied as applicable.
6.7	Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.	Noted and will be complied as applicable.

6.8	Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.	Noted and will be complied as applicable.
6.9	Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.	Noted and will be complied as applicable.
6.10	Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.	Noted and will be complied as applicable.
7	Green Cover	
7.1	No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).	Noted.
7.2	A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.	Noted.
7.3	Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.	Noted.
7.4	Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.	Noted and will be complied as applicable.

8	Transport	
8.1	<p>A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria:</p> <ul style="list-style-type: none"> a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic. b. Traffic calming measures. c. Proper design of entry and exit points. d. Parking norms as per local regulation. 	Noted and will be complied as applicable.
8.2	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.	Noted and being complied with
9		
9.1	A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.	Noted and will be complied with.
10	Human Health Issues	
10.1	All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.	Noted and being complied with
10.2	For indoor air quality the ventilation provisions as per National Building Code of India.	Noted and will be complied as applicable.
10.3	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Noted and will be complied.

10.4	Provision shall be made for the housing of construction labour 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.	Noted and being complied with
10.5	Occupational health surveillance of the workers shall be done on a regular basis.	Noted and being complied with
10.6	A First Aid Room shall be provided in the project both during construction and operations of the project.	Noted and being complied with
11	Miscellaneous	
11.1	The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.	Complied with. Advertisement about the grant of Environmental clearance has been released in 2 newspapers one of them being the vernacular language (The Pioneer English and in Haribhumi Hindi) on 09.01.2024. Copy of the Newspaper cutting is attached herewith as Annexure-I
11.2	Environmental Clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Complied with. Project has submitted copy of the Environmental Clearance at office of the local bodies including Dist. Collector and Gram Panchayat/s. Copy of acknowledgement is attached herewith as Annexure-II .
11.3	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Noted.
11.4	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Being complied with.
11.5	The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting	Complied with. HSE Policy is in place.

	<p>infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and/or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.</p>	
11.6	<p>A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.</p>	Complied with.
11.7	<p>Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority.</p> <p>The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.</p>	<p>Noted and being complied with.</p> <p>The project has obtained Consent to Establish in the month of May 2024, accordingly EMP is being implemented to meet the EC conditions during operational phase of plant. Presently unit-1 (1 X 600 MW) is being commissioned and expected to be operationalised by June 2025.</p>
11.8	<p>The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.</p>	Noted and will be complied with from the operation phase.
11.9	<p>The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.</p>	Noted.
11.10	<p>The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.</p>	Noted.
11.11	<p>The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during their presentation to the Expert Appraisal Committee.</p>	Noted.
11.12	<p>No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change (MoEF&CC).</p>	Noted.
11.13	<p>Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.</p>	Noted.

11.14	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted.
11.15	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted.
11.16	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.	Noted.
11.17	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.	Noted
11.18	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted
12	Specific Conditions	
12.1	The project proponent shall develop R& D facilities to develop their own technologies for propylene and polypropylene processing	Not applicable.

