

Ref No- EC/VL-CTPP/Env/2026-27/11

May 16, 2026

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 Report (October 2025 to March 2026) of M/s. Vedanta Limited, Chhattisgarh Thermal Power Plant, Village- Singhitarai, Tehsil-Dabhara, 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,

In compliance to the Environment Clearance File No.: J-13012/07/2009-IA. II(T) dated 06.01.2024 (EC Identification # EC23A0601CG5872873N) granted to M/s. Vedanta Limited, Chhattisgarh Thermal Power Plant, we hereby submit the Six-monthly compliance report along with supporting documents for the period October 2025 to March 2026 and the copy of the same 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,
Chhattisgarh Thermal Power Plant***



(Authorized Signatory)

Encl: as above

C/c: RO-CECB Bilaspur (CG)

Vedanta Limited, Chhattisgarh Thermal Power Plant

Site Office: Village-Singhtarai, Tehsil-Dabhara, 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

HALY YEARLY ENVIRONMENTAL CLEARANCE COMPLIANCE FOR 2X600 MW COAL BASED THERMAL POWER PLANT AT VILLAGES SINGHITARAI, BENIPALI, ODEKERA & NIMOHI, TEHSIL DABHARA, DISTRICT SAKTI (ERSTWHILE JANJGIR-CHAMPA), CHHATTISGARH BY M/S VEDANTA LIMITED CHHATTISGARH THERMAL POWER LIMITED, VIDE LETTER NO. FILE No: J-13012/07/2009-IA.II(T) DATED 06/01/2024

S. No.	EC Conditions	Compliance status
	Specific EC Conditions for (Thermal Power Plants)	
1.	Environmental Management**	
i.	Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises.	Complied. Adequate capacity ETP (18000 KLD) and STP's (150 KLD) have been installed and operationalized to ensure ZLD
ii.	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.	Complied. Peripheral greenbelt (+ Three Rows) has been done using native species for better survival rate. Additionally, plantation with MIYAWAKI technique focusing Ash Dyke area (60000 Nos) has been carried out. Photographs of plantation including Miyawaki are attached herewith as Annexure-I.
iii.	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.	Complied. Study has been conducted by a third party expert agency and approved by NIT Raipur. An action plan has been prepared to comply with the recommendations of the report and is being implemented. Same has been submitted to MoEF&CC vide our communication dated 03.05.2024. Copy attached as Annexure-II.
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.	Complied 4 nos of CAAQMS have been established in consultation with the Regional Office of CECB at the following locations and connected with CPCB/SPCB servers:

S. No.	EC Conditions	Compliance status
		<p>1. DM Plant 2. Near Temple 3. Near Coal yard 4. Township</p> <p>Also, online monitoring system (CEMS) for stack emission has been established for PM, NOx and CO and connected to CPCB/SPCB server. Photographs of CAAQMS and CEMS are attached as Annexure-III.</p>
v.	<p>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.</p>	<p>Complied. Dust extraction (DE) / Dust suppression (DS) system has been established at Coal / Ash handling area. Also, Automated water sprinkling system has been provided along the periphery of Coal Yard. Road sweeping machines and water tankers have been deployed for collection / suppression of dust all along the roads inside / outside upto 1 KM of the main gate. Log book has been maintained as required. Photographs of the same are attached as Annexure IV.</p>
vi.	<p>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.</p>	<p>Complied. LED Display board has been installed at the main gate facing towards state highway which covers nearby hotspots viz. villages / residential areas / Schools / Hospital etc. Photograph of the same is attached as Annexure-V.</p>
vii.	<p>Everyday cleaning of road/Paved roads within 1 km range of plant site shall be ensured throughout the year through vaccum based vehicle.</p>	<p>Complied Road sweeping machines have been deployed for regular cleaning of roads inside / outside</p>

S. No.	EC Conditions	Compliance status
		of the main gate upto 1 KM on either side. Photographs attached as Annexure- VI .
viii.	Environment Audit of plant shall be done annually and report shall be submitted to Regional office of the Ministry.	Being Complied with. The plant (Unit-1) has been commissioned and achieved COD during July'2025. Accordingly, the first Environment Audit is being conducted, and report will be submitted in due time.
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.	Being Complied with. The Company has submitted request letter to Local Bodies / Municipal Authorities around our operations for exploring the feasibility of utilizing treated sewage water and being followed. Copy of the letter is attached as Annexure-VII
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.	Complied. No leachate is generated from the ash dyke areas since the dyke has been provided with HDPE liners and decantation system for evacuation and recycling of water. ZLD system has been implemented to ensure recycle/ reuse of the treated effluent / wastewater within the premises. Ground water quality monitoring is being carried out in nearby areas around the plant site regularly and report submitted to CECB / MoEF&CC as part of Monthly monitoring reports / Six monthly compliance report. Copy of the latest report attached as Annexure-VIII .
xi.	Oil and grease recovered from the treatment plant should be disposed only through authorized recyclers.	Complied. Oil and grease recovery system has been provided in ETP/STP's. The recovered oil & grease will

S. No.	EC Conditions	Compliance status
		be disposed to the authorised recyclers as per requirement.
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.	Being Complied with. The Progress Report is attached herewith as Annexure- IX
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.	Complied. Company has been utilizing ash as per provisions of Fly Ash Notification 2021 by tie up with Cement plants and also backfilling abandoned mine pits/quarry as per permission obtained from CECB. Copy of the Agreement with Cement plant and sample permission (NOC) obtained from CECB is attached as Annexure-X . As per CTO, Road Coal transportation through covered trucks has been permitted till March'2027. In the mean time Railway siding project is under progress
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.	Complied. Monitoring of Surface Water and Ground Water quality including heavy metals is being conducted regularly every month and reports submitted / records maintained. Copy of the latest Monitoring reports submitted to CECB / MoEF&CC are attached as Annexure-XI .
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	Complied Rain Water Harvesting ponds (3 nos) of capacity around 40000 KL each have been constructed to harvest approx. 364500 KL (121500 KL from each pond in 3

S. No.	EC Conditions	Compliance status
	of the quantity of water harvested every year and its use.	fill seasons) of water per annum during monsoon. Details attached as Annexure XII.
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.	Complied No water bodies / natural drainage system in the area has been disturbed during setting up / operation of the plant. A detailed study has been conducted by 3 rd party agency and Conservation / Watershed development plan has been prepared and submitted to MoEFCC vide our mail dated 06.04.2024. Copy attached as Annexure-XIII.
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.	Complied. List of water bodies and their Conservation / Watershed development plan has been prepared and submitted to MoEFCC vide our mail dated 06.04.2024. Please refer Annexure-XIII.
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. The monitoring report shall be uploaded on the Parivesh Portal and a copy of the same be submitted to the regional office of MoEF&CC.	Being Complied. The plant (Unit-1) has been commissioned and achieved COD during July'2025. Accordingly, the first ecological monitoring and survey will be conducted as per timelines, and report will be submitted to MoEF&CC.
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.	Complied Adequate stack height as per CPCB regulation has been provided for the emergency DG sets and acoustic enclosure provided for noise control. Photographs attached as Annexure-XIV.
xx.	An Environmental Cell headed by the Environment Manager with postgraduate qualification in environmental	Complied An Environmental Cell has been put in place headed by PG

S. No.	EC Conditions	Compliance status
	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.	Environmental Science Graduate reporting to Head of the facility. Copy of the organisation chart depicting the environment cell is attached as Annexure-XV .
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.	Complied. Firefighting system comprising of fire station equipped with fire tenders, fire hydrant system, first aid, fire extinguishers and smoke detectors are in place and Fire NOC has been obtained from State Fire & Emergency Services Department. Photograph of fire station is attached as Annexure-XVI
xxii.	The energy sources for lighting purposes shall preferably be LED based.	Complied. LED Lighting system has been installed at Plant and Township for energy conservation.
xxiii.	Explore desulphurization from biotechnological method.	Complied. As per MoEF&CC notification dated 11.07.2025, Stack height of 275 mtr has been provided for adequate dispersion and the Unit falls under "Category C" of the Emission Notification dated 07.12.2015 and amendments thereof.
xxiv.	No construction work of the project shall be started without obtaining Stage- II Forest Clearance.	Complied. Stage-II forest clearance has been obtained vide MoEFCC letter File No. 6- CHC-47/2014-HB0/1607 dated 26.03.2024. Copy attached as Annexure XVII .
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)	Complied. Copy of CTE and CTO is attached as Annexure XVIII .

S. No.	EC Conditions	Compliance status
	Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.	
	ii. All necessary clearance from the concerned Authority, as may be applicable should be obtained prior to commencement of project or activity.	Complied. Necessary approvals like PESO, Factory License, Fire NOC and water withdrawal approval etc. have been obtained for operating the plant.
	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.	Complied. Grievance system has been put in place. Copy of the Grievance Mechanism SOP is attached as Annexure XIX.
	ii. A vision document comprising prospective plan for implementation of various CER activities, plantation 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.	Complied. Vision document has been prepared and submitted to MoEFCC vide letter dated July 06, 2024 and the same is being implemented. Copy attached as Annexure-XX.
	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.	Being Complied with. The plant (Unit-1) has been commissioned and achieved COD during July'2025. Accordingly, the Epidemiological Study among population within 5 km radius will be conducted as per timelines, and report will be submitted to MoEF&CC.
	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	Complied. Time bound action plan for implementation of CER activities committed during public consultation has been submitted to MoEF&CC, vide letter dated July 06, 2024 and the same is being implemented. Latest

S. No.	EC Conditions	Compliance status
	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.	progress report is attached as Annexure-XXI .
	v. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Complied and records maintained. Copy of the sample report is attached as Annexure XXII .
	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.	Being Complied with. The progress report is attached as Annexure XXIII .
	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.	Being Complied with. The progress report is attached as Annexure XXIV .
	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.	Complied. Grievance system has been put in place. Copy of the Grievance Mechanism SOP is attached as Annexure XXV .
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.	Complied. Necessary approvals like PESO, Factory License, Fire NOC and Water Withdrawal Approval etc. have been obtained for operating the plant.
1.2	The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of	Complied. Structural stability of the plant premises including building and

S. No.	EC Conditions	Compliance status
	firefighting equipment etc. as per National Building Code including protection measures from lightening etc.	steel structures etc. has been carried out through a competent agency and based on the same Factory License has been granted to the Unit.
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 Stage-II forest clearance has been obtained vide MoEFCC letter # File No. 6-CHC-47/2014-HB0/1607 dated 26.03.2024. Please refer to Annexure- XVII.
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 Please refer to Annexure-XVIII for copy of CTE for 2x600 MW and CTO for 1x600.
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.	Complied Permission obtained from WRD Chhattisgarh and Agreement executed for Water withdrawal from Mahanadi basin. Copy of same is attached as Annexure-XXVI.
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 Copy of the certificate is attached as Annexure XXVII.
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.	Complied Required statutory clearance have been obtained viz. Chief Controller of Explosives, Fire Department, Civil Aviation Department. Copy of the same are attached as Annexure-XXVIII.
1.9	The provisions of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics	Complied. Applicable provisions of the Solid Waste Management Rules, 2016, e-Waste (Management)

S. No.	EC Conditions	Compliance status
	Waste Management Rules, 2016, shall be followed.	Rules, 2016, and the Plastics Waste Management Rules, 2016, are being followed.
1.10	The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.	Being Complied with.
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.	<p>Complied</p> <p>Following measures have been implemented:</p> <ul style="list-style-type: none"> • Regular water sprinkling and fogging at active construction zones to control dust emissions. • Covering of loose construction material, debris, and soil to prevent wind dispersion wherever required. • Use of covered vehicles for transporting construction materials and debris. • Ensuring DG sets are fitted with acoustic enclosures and adequate pollution-control measures.
2.2	A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.	<p>Complied</p> <p>The Ambient Air Quality Management Plan (AAQMP) has been prepared to address and mitigate the exceedances observed at the project site. Key actions include:</p> <ul style="list-style-type: none"> • Strengthened dust suppression through regular water sprinkling, fogging, and use of mobile tankers. • Strict control on material handling, including covering of all loose construction material and debris. • Vehicle emission control, including PUC checks, restricted idling, and

S. No.	EC Conditions	Compliance status
		<p>dedicated routes to minimize dust generation.</p> <ul style="list-style-type: none"> Ambient air quality monitoring conducted as per CPCB norms to track pollutant levels and mitigation measures as required.
2.3	<p>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.</p>	<p>Complied</p> <p>4 CAAQMs stations have been installed at the following locations and connected with CPCB and SPCB servers.</p> <ol style="list-style-type: none"> DM Plant Near Temple Near Coal yard Township
2.4	<p>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.</p>	<p>Complied</p> <p>Adequate stack height of 30m as per CPCB regulation has been provided for the Emergency DG sets and acoustic enclosure provided for noise control.</p>
2.5	<p>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, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.</p>	<p>Complied.</p> <p>Following measures are being implemented wherever applicable:</p> <ul style="list-style-type: none"> The construction site has been fully barricaded prior to the commencement of any construction activities. Regular water sprinkling and fogging are being carried out to control dust emissions. All vehicles transporting sand, cement, murrum and other loose construction materials to the site are

S. No.	EC Conditions	Compliance status
		<p>covered with tarpaulin to prevent dust generation during movement.</p> <ul style="list-style-type: none"> Material storage areas are kept covered and debris is cleared regularly to avoid accumulation.
2.6	<p>Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.</p>	<p>Complied</p> <ul style="list-style-type: none"> All vehicles transporting sand, cement, murrum and other loose construction materials to the site are covered with tarpaulin to prevent dust generation during movement. Regular water sprinkling and fogging are being carried out to control dust emissions. Tarpaulin covers are also used for vehicles carrying out debris, ensuring no spillage or fugitive dust.
2.7	<p>Wet jet shall be provided for grinding and stone cutting.</p>	<p>Being Complied with, wherever applicable.</p>
2.8	<p>Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.</p>	<p>Complied</p> <p>All unpaved surfaces, haul roads, and loose soil areas within the project site are being regularly sprinkled with water to suppress dust and prevent fugitive emissions. Dedicated water tankers are deployed for routine sprinkling, particularly during peak construction hours and periods of high wind or dry weather.</p>
2.9	<p>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.</p>	<p>Complied</p> <p>C&D waste is being handled, transported, and disposed of strictly as per the Construction and Demolition Waste Management Rules, 2016, including:</p>

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		<ul style="list-style-type: none"> • Segregation of debris such as concrete, soil, metal, bricks, and packaging waste at source. • Temporary storage on a paved and barricaded platform to prevent scattering and dust generation.
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.	Being Complied with, wherever 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.	Complied Adequate stack height of 30m as per CPCB regulation has been provided for the Emergency DG sets and acoustic enclosure provided for noise control.
2.12	For indoor air quality the ventilation provisions as per National Building Code of India.	Complied
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.	Complied The natural drainage system has been maintained ensuring unrestricted flow of stormwater. No construction activities have been undertaken on any natural drain, wetland, or water body, and no obstruction has been caused to the existing drainage pattern. The following measures have been implemented <ul style="list-style-type: none"> • Natural drainage channels have been retained as per existing conditions.

S. No.	EC Conditions	Compliance status
		<ul style="list-style-type: none"> • Drainage lines are regularly inspected to ensure free flow during rainfall events.
3.2	Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.	Complied The project adheres to the principle of minimal disturbance to natural topography, with controlled and optimized cutting and filling.
3.3	Total fresh water use shall not exceed the proposed requirement as provided in the project details.	Complied The project is in compliance with the approved fresh water requirement and Recycled water from the STP/ETP is used for flushing, landscaping, irrigation, dust suppression, washing and other non-potable purposes to reduce fresh water dependency.
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.	Complied Water balance diagram is attached as Annexure - XXIX .
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.	Complied. Permission obtained from WRD Chhattisgarh and Agreement executed for Water withdrawal from Mahanadi basin There is no ground water being used for the plant operations.
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.	Complied. Foot path has been provided with paver blocks within the premises. Landscaping has been done with shrubs, grass and ornamental plants in the open areas and wherever open land is available.

S. No.	EC Conditions	Compliance status
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.	Complied Separate pipelines provided for both fresh water and recycled water.
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.	Complied Water-saving fixtures have been installed as per water conservation guidelines and awareness campaign are being carried out regularly for conservation of resources.
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.	Complied Separate drainage system provided for grey and black water.
3.10	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Complied
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.	Complied Rain Water Harvesting ponds (3 nos) of capacity around 40000 KL have been constructed to harvest approx. 364500 KL (121500 KL from each pond in 3 fill seasons) of water per annum during monsoon.
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.	Complied Rain Water Harvesting ponds (3 nos) of capacity around 40000 KL have been constructed to harvest approx. 364500 KL (121500 KL from each pond in 3 fill seasons) of water per annum during monsoon. No Ground water is being used for plant operations.

S. No.	EC Conditions	Compliance status
3.13	All recharges should be limited to shallow aquifer.	Complied
3.14	No ground water shall be used during construction phase of the project.	Complied
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.	Complied No Ground water is being used for plant operations
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.	Complied STP's of 150 KLD have been installed and treated sewage being used for horticulture and dust suppression.
3.17	No sewage or untreated effluent water would be discharged through storm water drains.	Complied. Separate drains have been provided for storm water and process water.
3.18	Onsite sewage treatment of capacity of treating 100% waste water 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.	Complied Adequate capacity ETP (18000 KLD) and STP's (150 KLD) have been installed and are being operated to ensure ZLD. Monitoring report of effluent quality as per CTO condition is attached as Annexure-XXX .
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.	Complied with. Adequate capacity STP's (150 KLD) have been installed and are being operated. Monitoring report of effluent quality as per CTO condition is attached Annexure-XXXI .
3.20	Sludge from the onsite sewage treatment, including septic tanks, shall be collected,	Complied

S. No.	EC Conditions	Compliance status
	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.	Sludge from STP is being used as manure in horticulture.
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.	Complied Noise and ambient air monitoring reports are attached as Annexure XXXII .
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.	Complied Noise monitoring reports are attached as Annexure XXXIII .
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.	Complied Adequate stack height of 30m as per CPCB regulation has been provided for the standby DG sets and acoustic enclosure provided for noise control.
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.	Being Complied With.
5.2	Outdoor and common area lighting shall be LED.	Complied.
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	Being Complied With.

S. No.	EC Conditions	Compliance status
	mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.	
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.	Complied
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.	Being Complied with.
5.6	Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.	Being complied with Solar panels have been provided for street lights. And Solar panel provided at Guest House complex to fulfil the hot water demands.
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.	Complied The Company has submitted a request letter to the local bodies for handling municipal waste generated from the Company for their adequacy to cater to the M.S.W. generated from the project. Copy of the letter submitted to local body is attached as Annexure XXXIV.
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.	Complied

S. No.	EC Conditions	Compliance status
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.	Complied Segregation of wet and dry waste is being effectively implemented at individual-unit and community levels in full compliance with EC conditions.
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.	Complied. Food and other organic waste being converted as manure through Composting and also process initiated to procure organic waste composter for canteen and township.
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.	Complied All non-biodegradable waste is systematically handed over to authorized recyclers under a formal agreement, ensuring full compliance with EC and SWM Rules.
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.	Complied Hazardous waste management during the construction phase is complied with applicable laws and SPCB requirements, with disposal undertaken only through authorized agencies.
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.	Complied.
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.	Complied.
6.9	Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the	Complied.

S. No.	EC Conditions	Compliance status
	Construction and Demolition Waste Management Rules, 2016.	
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.	Complied. The project ensures safe handling, collection, storage, and disposal of used CFLs (Compact Fluorescent Lamps) and TFLs (Tube Fluorescent Lamps) in compliance with applicable environmental regulations to prevent mercury contamination.
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).	Complied
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.	Complied.
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.	Complied Out of the total plant area of 400.77 ha, 117.33 ha has already been developed under greenbelt. This has now been further enhanced to 133.11 ha (~33.21% of the total area), including additional plantation around the ash pond.
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	Complied

S. No.	EC Conditions	Compliance status
	should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.	
8.1	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. 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.	Complied. A details traffic management study has been conducted through 3 rd party agency (Road Safety Foundation – Mumbai) and recommendations are being implemented for Man Machine segregation and safe mobility of vehicles within and vicinity of the premises. Copy attached as Annexure-XXXV.
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.	Complied All vehicles engaged for transporting construction materials to the site comply with applicable air and noise emission standards and are operated in a manner that minimizes environmental impact. Measures implemented: <ul style="list-style-type: none"> • Well-maintained vehicles in good working condition are allowed entry into the site. • All vehicles possess valid PUC (Pollution Under Control) certificates, verified periodically.
	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	A details traffic management study has been conducted through 3 rd party agency (Road Safety Foundation – Mumbai) and recommendations are being implemented for Man Machine segregation and safe mobility of

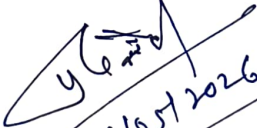
S. No.	EC Conditions	Compliance status
	of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified 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.	vehicles within and vicinity of the premises. Please refer to Annexure XXXV.
	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.	Complied The project ensures adequate personal protective equipment (PPE) for all workers exposed to dust-generating activities during construction.
10.2	For indoor air quality the ventilation provisions as per National Building Code of India.	Complied.
10.3	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Complied Onsite Emergency Preparedness and Response Plan (OSEP) has been prepared and got approved by the Factory Inspectorate Chhattisgarh. Copy of the approval is attached as Annexure-XXXVI.
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.	Complied Arrangements have been made for safe and hygienic housing of construction labour within the project premises through temporary structures equipped with all essential facilities.
10.5	Occupational health surveillance of the workers shall be done on a regular basis.	Complied. Please refer to Annexure – XXII.
10.6	A First Aid Room shall be provided in the project both during construction and operations of the project.	Complied. OHC has been provided with adequate health staff.

S. No.	EC Conditions	Compliance status
	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 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-XXXVII.
11.2	ii. 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 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-XXXVIII.
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.	Complied The project proponent ensures transparency and public accessibility of environmental information by regularly uploading the status of EC compliance and monitored environmental data on the SPCB portal and the official project website. Half-yearly updates of EC compliance and environmental monitoring results are consistently maintained, ensuring full adherence to the EC condition.
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.	Complied The project proponent submits the six-monthly Environmental Clearance compliance reports to the Ministry of Environment, Forest and Climate Change (MoEF&CC) through the online Environment Clearance (EC)

S. No.	EC Conditions	Compliance status
		portal within the prescribed timelines.
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 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.	Complied HSE Policy is in place. Copy Is attached herewith as Annexure-XXXIX .
11.6	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.	Complied Please refer to Annexure- XV for copy of the organisation chart depicting environment cell.
11.7	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. 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	Complied Unit 1 (1X600 MW) has been operationalised during July 2025 and the commissioning operation date (COD) has been achieved. The latest status report of EMP / Environmental Expenditure for Unit 1 is attached as Annexure-XL .
11.8	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,	Being Complied With. Unit 1 has been operationalized in FY26 (July 2025) as such the environment statement will be submitted during FY26-27.

S. No.	EC Conditions	Compliance status
	as amended subsequently and put on the website of the company.	
11.9	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.	Complied.
11.10	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Complied.
11.11	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.	Complied.
11.12	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).	Complied.
11.13	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.	Complied.
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

S. No.	EC Conditions	Compliance status
	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.	
11.8	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.


 16/05/2026