ADITYA BIRLA

HINDALCO

Letter No: AAP/E&S/EC/2026/1459 Date: 22/05/2026

To,
The Director
Ministry of Environment, Forest & Climate Change
Integrated Regional Office
A/3, Chandrashekharpur
Bhubaneswar – 750 023 (Odisha)

Sub: Submission of Six-Monthly Compliance from October-2025 to March-2026.

Ref: Environmental Clearance Letter No: J-11011/136/2009-IA-I(I) dated 07.06.2025 and EC amendment letter dated 14.08.2025.

Dear Sir,

As a part of the compliance to the Environmental Clearance accorded by MoEF&CC to Aditya Aluminium for Aluminium Smelter from 3.8 LTPA to 6.8 LTPA [by addition of 1 LTPA (Recycled metal) & installation of 2 LTPA (Renewable Energy Based 180 Pots)] and Captive Power Plant from 900 MW to 1230 MW [by addition of 180 MW Combined Cycle Power Plant (Gas/ Oil fired) & 150 MW CPP (Coal fired) for Emergency Backup] within the existing plant premises. Please find enclosed herewith the six-monthly compliance report of aluminium smelter and captive power plant for the period October-2025 to March-2026.

Kindly acknowledge receipt of the reports.

Thanking You

Yours faithfully
For Aditya Aluminium

Jagannath Prasad Nayak
President & Unit Head

Copy for kind information to:

1. The Member Secretary, SPCB, Bhubaneswar
2. The Regional Director, Zonal office of CPCB, Kolkata
3. The Regional Officer, SPCB, Sambalpur

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Corporate ID No.: L27020MH1958PLC011238

Aditya Aluminium: Six Monthly EC Compliance from October 2025– March 2026

Name of the Project	:	EC for Aluminium Smelter from 3.8 LTPA to 6.8 LTPA [by addition of 1 LTPA (Recycled metal) & installation of 2 LTPA (Renewable Energy Based 180 Pots)] and CPP from 900MW to 1230MW [by addition of 180MW Combine Cycle Power Plant (Gas/Oil fired) & 150MW CPP (Coal fired) for Emergency Backup] within the existing plant premises at Villages: Lapanga, Bomaloi, Derba, Khadiapali, Tileimal and Dharopani Tehsil: Rengali District: Sambalpur (Odisha) by Aditya Aluminium (A Unit of M/s. Hindalco Industries Ltd.)
Environment Clearance Letter No and date	:	Environmental Clearance letter no. J-11011/136/2009-IA-I(I) dated 07.06.2025 and EC amendment letter dated 14.08.2025.
Period of Compliance Report	:	October 2025 to March 2026

1. **Specific**

Sr. No.	EC Conditions	Compliance Status
1.1	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	We have noted and accepted.
1.2	The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management and risk mitigation measures relating to the project shall be implemented.	We have noted and accepted. The project is under implementation; the civil construction work is under progress. The Photographs of construction activities are enclosed as **Annexure-1.**
1.3	The project proponent shall utilize modern technologies for capturing carbon emission and shall also develop adequate carbon sink/ carbon sequestration resources with an aim to meet the carbon neutrality mission in a time bound manner. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.	We have implemented following measures for Continuous improvement in energy efficiency to reduce the carbon emissions- • Conversion of Smelter pots from steel insert to copper inserts. • Periodic over hauling of Steam Turbine to keep the Turbine heat rate intact and above the benchmarks. • Utilisation of Energy management system and data analytics for specific energy consumption reduction. • Use of energy efficient pumps/motors and variable frequency drive etc. • Enhancing the use of Renewable power in a phased manner. Currently using around 65 MW RE Power which is combination of solar, wind and pump hydro. Besides we have a solar plant of 30 MWe which is fed to our smelter. • Aditya Aluminium has been progressively replacing old air-conditioning systems with energy-efficient, Ozone friendly gas. • We have replaced HFO to Natural Gas in our

		Anode Baking Furnace • We have introduced electric vehicles (EV bulkers) for transportation of fly ash. • **Carbon offsetting initiatives (Afforestation and Reforestation):** Greenbelt development and plantation activities carried out in 446 Ha of land having around 9,83,230 lakhs no of trees with 90 % survival rates. Under offsite Afforestation – around 20,000 nos tree planted in area of 27 acres. We have initiated several energy saving projects in our operational activities to reduce carbon footprint.
1.4	Bomaloi (Adjacent to plant site in South), Tileimal (0.3 km, SE), Sadhapali (0.3 km, E), Khadiapali (0.3 km, WNW), Derba (0.6 km, NE) along with other sensitive areas within the study area of the project site. Proponent shall take appropriate environmental safeguard measures to minimize the impact on the habitation of the locals. The project proponent needs to strengthen green belt all around the plant area to reduce the dust pollution. The PP shall also include some of these locations in its environmental monitoring programme.	We have developed >33% area under Greenbelt over an area of 446 Hectares inside the plant, ash pond area and township areas. Around 9,83,230 number of saplings planted till March-26. The density of the green belt will be further increased to 2500 Trees per hectare by planting 1,32,000 saplings (as gap filling within the existing greenbelt area) by FY 2028. Besides, under offsite Afforestation programme/green credit scheme, we have planted around 20,000 no's tree outside the boundary over an area of 27 acres near Rengali. Environmental monitoring is being carried out in nearby areas as per the Environmental monitoring programme and report is being submitted to MoEFCC along with the Six-monthly EC compliance.
1.5	The project site is in proximity to several water bodies, including a seasonal nallah originating from the plant area near the solar plant in the southwest direction from the main plant site. Another seasonal nallah passes through the raw water reservoir area, located near the western boundary of the project. Additionally, Matwali Nala flows near the raw water reservoir, along the northeastern boundary of the project. PP shall undertake appropriate measures in consultation with the Water Resource Department for mitigating any adverse impact on these water bodies. A robust and foolproof Drainage Conservation scheme to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.	The existing plant is Zero Liquid Discharge through integrated wastewater treatment system including Double Stage Reverse Osmosis based effluent treatment plant (ETP) of 300 m3/hr capacity & 200 KLD MVR based ZLD system and 450 KLD capacity ETP in FRP plant. Therefore, no untreated effluent is being discharged to outside. The domestic effluent from canteen, offices within the core plant area is being treated in the sewage treatment plant (STP) of 25 Cum/hr capacity and the domestic sewage from township is being treated in STP inside the township area of 300 KLD capacities. 50 KLD STP installed in FRP plant. The water treated is being used for gardening purposes. The surface run-off from the smelter area is being collected in a storm water pond of 65,000 cum capacity and the total water is being treated in the double stage RO based ETP. Surface run-off water

		collected during monsoon period is also treated in existing the ETP. One twin settling tank followed by a holding pond (lagoon) with a capacity of 45000 m3 established near the coal handling area of CPP for surface runoff treatment. In addition to that, we have installed one tube settler of 1200 KLD for treatment of runoff water near the CHP settling tank.
1.6	The existing water requirement is 35750 m3/day, which is obtained from Hirakud Reservoir. The water requirement for the expansion project is estimated as 22048 m3 per day which will be fulfilled from existing CPP raw water reservoir of Aditya Aluminium. No additional permission for water withdrawal will be required for the proposed installation. PP shall obtain necessary permission from the Competent Authority.	The existing water requirement is around 35750 m3/day, which is sourced from Hirakud Reservoir. The Proposed project is under implementation, and the civil construction work is under progress. The water consumption of project activities is being monitored through installation of water meter.
1.7	Three tier Green Belt shall be developed and maintained in at least 33% of the project area, as committed, of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. PP shall also develop greenbelt in the form of shelter belt comprising of total of 6 rows of 2x2 m plantation with tall trees & broad leaves with thick canopy along with windshield inside the plant premises to act as green barrier for air pollution & noise levels towards sensitive areas nearby project site. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.	We have developed greenbelt covering more than 33% of the total area, amounting to ~ 446 hectares across the plant, ash pond, and township areas. As of March 2026, around 9,83,230 nos. of saplings have been planted. The density will be further increased to 2500 trees per hectare by planting 1,32,000 saplings (as gap filling within the existing greenbelt area) by FY 2028. Miyawaki method of plantation has been adopted for dense afforestation inside plant premises. Drip irrigation system implemented for regular watering and ensuring survival rate over 90%. Report on Green Belt development is enclosed as **Annexure-2.**
1.8	The PP shall undertake plantation, in compliance to MoEFCC OM dated 24.07.2024, in the earmarked 33% or 40% greenbelt area, as the case may be, as a part of tree plantation campaign 'Ek Ped Maa Ke Naam' Campaign and the details of the same shall be uploaded on Meri LiFE portal at (https://merilife.nic.in)	We have developed greenbelt covering more than 33% of the total area, amounting to approximately 446 hectares across the plant, ash pond, and township areas. As of March 2026, around 9,83,230 nos. of saplings have been planted. As a part of tree plantation campaign 'Ek Ped Maa Ke Naam' Campaign is being carried out and the details of the same shall be uploaded on Meri LiFE portal at (https://merilife.nic.in).
1.9	All the commitments made towards socio-economic development of the nearby villages shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 amounting to Rs.127.74 Crores shall be	The Projects identified under the Social Impact assessment study is under execution. The total expenditure made as on March 2026 is around 1.3 Crore and around 12.77 crores of project work is under progress.

<table>
<tr><td></td><td>strictly implemented. The action plan shall also cover activities related to (i) promotion of environmental education and awareness, and (ii) sub-plan to address the vulnerable sections (such as the elderly, children, pregnant women, persons with disabilities, and the terminally iii). An institutional mechanism shall be developed for monitoring the implementation of the commitments made, which shall also manage and address public grievances. The progress of implementation of PH Action plan and grievance redressal shall be submitted regularly to the Regional Office of MoEF&CC.</td><td>
<table>
<tr><th colspan="4">CER EXPENDITURE STATUS - FY 2025-26 (Oct. 2025 to March 2026)</th></tr>
<tr><th>SL. NO.</th><th>FOCUS AREA</th><th>Expenditure Oct.2025 to March-26) (₹ Lakhs)</th><th>Work in Progress (₹ Lakhs.)</th></tr>
<tr><td>1</td><td>Education</td><td>27.30</td><td>156.40</td></tr>
<tr><td>2</td><td>Health</td><td>9.31</td><td>92.43</td></tr>
<tr><td>3</td><td>Agri & Livelihood</td><td>19.34</td><td>233.33</td></tr>
<tr><td>4</td><td>Infrastructure</td><td>73.87</td><td>727.85</td></tr>
<tr><td>5</td><td>Social Cause</td><td></td><td>67.00</td></tr>
<tr><td colspan="2">TOTAL (Rs.)</td><td>129.82</td><td>1277.01</td></tr>
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</td></tr>
<tr><td>1.10</td><td>The project proponent shall undertake village adoption programme, as committed, and prepare and implement the action plan to develop them into a model village, in consultation with the State
Administration.</td><td>The CER Implementation Plan has been prepared in accordance with the socio-economic study conducted by XIM University. The execution and implementation of community development activities are in progress, in consultation with the village panchayat and the District Administration.

As a part of Corporate Environment Responsibility, the company has proposed village adoption programme for the villages surrounding panchayats of Lapanga, Bomaloi, Ghichamura, Katarbagga and Jangala. The Comprehensive Socio-Economic Survey Cum Baseline Study of Peripheral villages in Rengali has been conducted by XIM University, Bhubaneshwar, Odisha, India in December,2024. based on which the company has allocated Rs. 127.74 Crores for Socio- Economic Development in the nearby areas.

The company has prepared a time bound socio-economic development plan as per MoEFCC, Office Memorandum dated 30.09.2020. Fund has been earmarked towards developing model villages within five-year period.

Further, exclusive and integrated programmes focusing on watershed management, drinking water enhancement, sustainable agriculture, and income-generating activities have been planned for the current financial year and will be executed in a phased manner.</td></tr>
<tr><td>1.11</td><td>PP shall implement the skill development programs proposed under Socio economic development Action plan, in alignment with relevant Government initiatives/ programmes (like Mission LiFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for</td><td>We have established a skill center in the name of Aditya Birla Skill Centre in Sambalpur, which manages various skill development programs.

To institutionalize skill development initiatives, the Aditya Birla Skill Development Centre has been</td></tr>
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	local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. A detailed action plan and monitoring mechanism (covering target beneficiaries, training modules, and expected outcomes) be prepared for the above. Periodic progress reports shall be maintained and submitted to RO MoEFCC.	established at Sambalpur to enhance employability and livelihood opportunities for local youth and women through structured, demand-driven training programmes. The programmes are being implemented in consultation with the District Skill Development Mission and relevant State Government agencies, with training modules aligned to local market demand and focused on employable trades, entrepreneurship, and income-generating activities.
1.12	PP shall Install CO sensors with alarms at strategic locations in the Plant.	A total of 14 Nos. Carbon Monoxide (CO) analyzers has been installed in the existing Smelter and Captive Power Plant (CPP). For the expansion project, which is currently under implementation, civil construction activities are in progress. Installation of CO sensors/analyzers will be undertaken upon completion of the construction work, ensuring integration with the plant monitoring systems prior to commissioning.
1.13	PP shall implement cleaner production and waste minimization measures, and initiate coordinated action on activities of environmental awareness, education and conservation (covering plantation, solar energy, water harvesting, waste management, green skills etc.) through a dedicated institutional mechanism. The actions shall be monitored reported to RO MoEFCC on regular basis through the self-compliance reporting mechanism.	We have initiated actions toward implementing cleaner production and waste minimization measures. As part of our environmental awareness initiatives, we are sensitizing employees, workmen, and nearby communities through monthly theme-based celebrations on topics such as Waste Management, Circular Economy, Water Conservation, Rainwater Harvesting, Single-Use Plastic Reduction, Biodiversity, and Wildlife Conservation. In addition, various environmental days-such as World Environment Day, World Water Day, World Ozone Day, and World Earth Day—are being observed to promote awareness and sustainable practices.
1.14	The project shall be implemented in accordance with the revised Environmental Clearance (EC) conditions, as amended and detailed in the relevant portion of the project's proposal and justification log submitted by the project proponent. The other observations made in the certified compliance report of the Regional Office, the Action Taken Report (ATR), and the letter from the Compliance & Monitoring Division (CMD) of MoEF&CC, shall be strictly complied with by the project proponent.	We are complying with the conditions mentioned in Action Taken Report (ATR) and letter received from the Compliance & Monitoring Division (CMD) of MoEF&CC.
1.15	PP shall aim at 100% waste utilization under circular economy. This shall be in addition to the mandatory stipulations prescribed by CPCB guidelines for handling, storage and management of Aluminium smelter facilities/ processing. It may be ensured that the detailed plan may be aligned to the framework prescribed by CPCB/ SPCB, including ongoing waste	Around 99% of the wastes generated from the smelter & power plant is being Reuse, Recycled and reprocessed through actual users, inhouse recycling etc. With a strategic collaboration with cement units and Reprocessing plants we are developing a self-sufficient circular economy with this waste to wealth approach. This can significantly reduce costs for

	utilization research studies.	cement units, conserve natural resources by replacement of raw materials with hazardous waste and contribute towards creating positive environmental and social impact. • Aluminium Dross is being re-processed in the dross processing unit Aluminium metal is recovered and partly being sell out to authorized recyclers for recycling, and residue generated is send to actual users for recuse/recycling. • Butt generated is completely recycled and pre-processed used anode butt received from Hirakud Smelter is also reused in green anode making. • The carbon part of spent pot lining is disposed to actual users i.e. M/s Regrow Tanso Pvt. Ltd. Jharsuguda and SPL mixed fines to cement plant for coprocessing in cement kiln and silicon carbide to authorized recyclers. • ETP sludge is being disposed to Cement Plant for Coprocessing in Cement kiln. The proposed expansion project aims to incorporate best practices for waste management, promote circular economy principles, and ensure compliance with regulatory requirements. It also Ensure compliance with CPCB/SPCB regulations, promote sustainable waste management practices, enhance resource recovery and minimize landfill usage and support ongoing research and development in waste utilization technologies.
1.16	PP shall undertake any tree felling/ translocation activity in consultation with the State Forest Department and obtain any permission, if applicable.	The transplantation of trees has been successfully carried out in accordance with the Standard Operating Procedure (SoP) approved by the Government of Odisha. An intimation letter regarding the tree translocation has been submitted to the Divisional Forest Officer (DFO), Sambalpur.
1.17	The CCPP shall be designed for dual fuel capability (Natural Gas/Low Sulphur Fuel Oil) with low NOX burners and dry low-emission technology. Stack emissions shall conform to CPCB norms for gas-based plants.	We have noted and accepted.
1.18	Fly ash shall be collected in dry form and storage facility (silos) shall be provided. PP shall comply with the CPCB guidelines for handling, utilization and disposal of fly ash, including unutilized ash. Mercury and other heavy metals (As, Hg, Cr, Pb etc.) will be monitored in the bottom ash as also in the effluents emanating from the existing ash pond. Low Lying area filling with Fly ash shall be done accordance to the guidelines prepared by the Central Pollution Control Board (CPCB) for the	Fly ash & bottom ash are collected in dry form and 3x2500 MT Fly ash silo and 1x3000 MT bottom ash silo have been installed. We are exploring maximum utilization of Ash and unutilized ash is being discharged to the Ash Pond through High Concentration Slurry Disposal (HCSD) system, which is the most environment friendly conveying system at present. Monitoring of Mercury and other heavy metals (As, Hg, Cr, Pb etc) is being done in fly ash

	disposal of fly ash in reclamation of low-lying areas and stowing/ backfilling of abandoned mines/ quarries.	and bottom ash and report submitted to MoEFCC along with Six monthly EC compliance. The ash generated from the captive power plant is primarily supplied to cement plants and fly ash brick manufacturers. Bottom ash is being utilized for filling low-lying areas/road projects etc. The low-lying area filling and development activity is being carried out with prior approval of the State Pollution Control Board (SPCB), Odisha & abide by the CPCB guidelines.
1.19	Regular ground water monitoring shall be carried out by installing Piezometers all around the secured landfill site, if any, in consultation with SPCB and data be submitted to the Ministry's Regional Office and SPCB.	Secured landfill (SLF) has not yet established inside the plant. Therefore, ground water quality monitoring is not carried out.
1.20	The company shall develop rainwater structures to harvest the runoff water for recharge of ground water in consultation with the Central Ground Water Authority/Board or a reputed government institute specializing in rainwater harvesting.	We conducted the Rainwater Harvesting Study through Andhra University, Visakhapatnam in December 2011. The rainwater harvesting scheme suggested in the report has been implemented in the township buildings, rainwater harvesting pond (72,000 cum capacity) has been developed inside the township area.
1.21	Anode butts generated from the pots shall be cleaned and recycled to the Anode Plant. The spent pot lining generated from the smelter shall be properly treated in spent pot lining treatment plant to remove fluoride and cyanide and dispose of in secured landfill / Shall be disposed off through actual users authorized by SPCBs/ Co-processing in Cement kilns authorized by SPCBs /Disposal in CHWTSDF, in line with the provisions of HOWM Rules, 2016 (as amended) and CPCB Guidelines. The location and design of the land fill site shall be approved by the SPCB as per the Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2008. Leachate collection facilities shall be provided to the secured land fill facilities (SLF). The dross shall be recycled in the cast house. STP sludge shall be utilized as manure for greenbelt development. All the used oil and batteries shall be sold to the authorized recyclers/ re-processors. As proposed, spent pot lining waste shall also be provided to cement and steel industries for further utilization. The project proponent shall develop in-house facilities for treatment of Spent Pot Lining (SPL) generated in the Aluminium smelter. Meanwhile,	Anode butts generated from the pots are being cleaned and recycled completely to make green anode. Spent Pot Lining (SPL) contains Carbon Part, Refractory Part and Silicon Carbide bricks. The Standard Operating Procedure (SOP) developed by Central Pollution Control Board (CPCB) for SPL requires detoxification before its end use applications. In accordance with the SOPs, the SPL Carbon part generated from Smelter is being sent to authorized recyclers, namely M/s Regrow Tanso Pvt Ltd, Jharsuguda, for detoxification and used for manufacturing of mineral fuel as a resource/energy recovery in cement plants, Steel and Ferrous alloy industries etc. SPL Silicon carbide bricks are being sent to authorized recyclers M/s Tekno-Processors LLP, Sambalpur for processing and sold to authorized users for manufacturing of refractory brick in line with CPCB SOP for Preprocessor of Waste Silicon Carbide refractory bricks generated from pot lining wastes from Primary Aluminium Smelter. The carbon part of spent pot lining is being disposed to actual users i.e. M/s Regrow Tanso Pvt. Ltd. Jharsuguda, the refractory part to M/s. Re-Sustainability Ltd (CHW-TSDF, Jajpur). In this way

	Refractory part may be sent to CHWTSDF as per the provisions of Hazardous and Other Waste Amendment Rules, 2016. The project proponent shall develop in-house facilities for the treatment of SPL in 2 to 3 years.	100% SPL is being detoxified and recycled/disposed and no stock at the end of Mar-2026. The location and design of the land fill site have been prepared as per the Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2008 and approved from SPCB. The Aluminium dross generated in the process is re-processed in the inhouse dross processing unit /partly supplied to authorized recyclers and the residue generated from dross processing unit is being sent to OSPCB authorized recyclers for Alum/synthetic slag making. STP is in operation at township & Plant area separately, the sludge generated is being used for gardening/greenbelt development. The used oil and batteries are being sold/ supplied to authorized recyclers/reprocessors only.
1.22	The project proponent shall conduct periodic soil health monitoring in and around the plant premises, including agricultural fields within a 5 km radius, to assess potential impacts from industrial operations. Soil samples shall be analyzed at least twice a year for parameters including pH, electrical conductivity, organic carbon, macronutrients (N, P, K), micronutrients (Zn, Fe, Mn, Cu), and heavy metals (As, F, Pb, Hg, Cd, Cr). The results shall be compiled and submitted to the State Pollution Control Board and Regional Office of MoEF&CC, and remedial measures shall be undertaken in case of any adverse trends.	All the precautionary measures have been taken, and monitoring is being done in the surrounding environment on regular basis through an NABL accredited laboratory for Soil. Report is being submitted to the MOEFCC along with Six Monthly Compliance report.
1.23	The cyanide content in SPL shall be monitored regularly, in line with CPCB guidelines for hazardous waste landfilling and co-processing. SPL with cyanide content above permissible limits shall be treated or detoxified prior to disposal. The project proponent shall explore co-processing of SPL in cement kilns or other approved thermal treatment facilities, and maintain records of SPL generation, testing, and final disposal.	The testing of cyanide content in SPL is being monitored, and the SPL is stored on well ventilated, concrete floor and covered in line with authorization. Spent Pot Lining (SPL) contains Carbon Part, Refractory Part and Silicon Carbide bricks. The Standard Operating Procedure (SOP) developed by Central Pollution Control Board (CPCB) for SPL requires detoxification before its end use applications. In accordance with the SOPs, the SPL Carbon part generated from Smelter is being sent to authorized recyclers, namely M/s Regrow Tanso Pvt Ltd, Jharsuguda, for detoxification and used for manufacturing of mineral fuel as a resource/energy recovery in cement plants, Steel and Ferrous alloy industries etc.

		SPL Silicon carbide bricks is being sent to authorized recyclers M/s Tekno Processors LLP, Sambalpur for processing and sold to authorized users for manufacturing of refractory brick in line with CPCB SOP for Preprocessor of Waste Silicon Carbide refractory bricks generated from pot lining wastes from Primary Aluminium Smelter. The mixed fines are sent to the cement plant for co-processing in the cement kiln. Further feasibility will be explored for the utilization of SPL in the cement kiln.
1.24	Necessary coordination shall be made with concerned SPCB (who is responsible for Compliance of OM dated 14-01-2025) regarding streamlining the implementation of GSR 702 and GSR 703 dated 12-11-2024 through which projects requiring prior EC were exempted from requirement of CTE.	SPCB has granted Environmental Safeguards for proposed project vide letter no. 15363/IND-II-CTE-7490 dated 14/08/2025.

1. Statutory Compliance

1.1	The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.	We have noted and accepted.
1.2	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	We have noted and accepted.

2. Air Quality Monitoring and Preservation

2.1	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 06 Nos. Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Installation of four (04) CAAQM Stations completed and commissioned. Data connectivity established with the servers of OSPCB and CPCB. Installation of the continuous stack emission monitoring system in all the major stacks of existing plant completed. All the CAAQMS & CEMS synchronized with the webserver of the SPCB & CPCB. Six-monthly compliance along with the monitoring data is being submitted to the concerned authorities. The project is under implementation, and civil construction works are in progress. The installation of the Continuous Emission Monitoring System (CEMS) will be completed during implementation

		and prior to commissioning.
2.2	The project proponent shall carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM 10 and PM2.5 in reference to PM emission, and SO2 and NOX in reference to SO2 and NOX emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120^0 each), covering upwind and downwind directions.	Installation of four (04) Continuous Ambient Air Quality monitoring Stations completed and commissioned. Data connectivity established with the servers of OSPCB and CPCB.
2.3	The project proponent shall monitor fugitive emissions in the plant premises at least once every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Fugitive emissions monitoring is carried out inside the plant premises on quarterly basis through laboratories recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
2.4	Sampling facility at process stacks shall be provided as per CPCB guidelines for manual monitoring of emissions.	Sampling facility will be provided in the expansion facilities.
2.5	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply with prescribed stack emission and fugitive emission standards.	We have noted and accepted. Required Air Pollution Control (APC) system will be provided in the expansion facilities.
2.6	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	We have noted and accepted. Will be provided in the expansion facilities.
2.7	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.	Adequate numbers of mechanical road sweeping machines have been deployed for cleaning of roads and process areas. dedicated teams are deployed for housekeeping of offices, shopfloors, and other areas.
2.8	Ensure covered transportation and conveying of raw material to prevent spillage and dust generation. The project proponent uses leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin	All raw materials, products and waste materials are transported through covered vehicles with a care to prohibit any spillage or leakages on the way.
2.9	The project proponent shall provide primary and secondary fume extraction system, as may be applicable for aluminium smelting operations.	We have noted and accepted. Will be provided in the expansion facilities.
2.10	Wind shelter fence and chemical spraying shall be provided on the raw material stockpiles.	All the raw materials of Smelter plant are stored inside covered shed and silos. Hence wind shelter fence and chemical spraying are not envisaged. The coal requirement for the proposed Captive Power Plant (CPP) shall be met through the existing coal yard; all required dust control and fugitive emission control measures have already been

		implemented. Total of 120 numbers of gun sprinklers & 2 Nos Mist Canon have been installed and are operational throughout the coal yard area for effective dust suppression in coal stockpiles. The sprinklers are operated based on material handling activities and seasonal conditions to ensure continuous control of fugitive dust emissions. Further, water sprinklers have been provided along the coal yard internal roads to prevent dust generation due to vehicular movement and material transportation. These measures effectively minimize airborne dust emissions from coal handling, storage, and transportation activities. Additionally, the existing green belt wall surrounding the coal yard acts as a wind shelter fence, reducing wind velocity and preventing dispersion of coal dust to surrounding areas. The green belt wall comprising of plantation with tall trees & broad leaves with thick canopy developed around the coal storage areas is being utilized as an effective wind shelter fence.
2.11	Design the ventilation system for adequate air changes as per prevailing norms, wherever required.	We have noted and accepted. Will be provided in the expansion facilities.
2.12	Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.	Pollution control system in the existing plant has been provided as per the CREP Guidelines of CPCB. And will be provided for the expansion facilities.
2.13	The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.	Electrostatic Precipitators (ESP) of adequate efficiency are installed in Captive Power Plant (CPP) to restrict particulate emissions within 50 mg/Nm^3. Two nos. of Gas Treatment Centre (GTC) provided and connected to each 180 pots. Besides, Bag filters are installed in all the material handling & transfer points in Smelter. Fume treatment centre (FTC) provided to each Anode Baking Furnaces to treat the tar fumes, dust, gaseous and particulate fluorides generated during Anode Baking. The project is under implementation, and civil construction work is in progress. All above clean air practices are under construction for expansion project.
2.14	Bag filters shall be cleaned regularly, and efficiency of bag filter system shall be monitored at regular intervals.	Efficiency of bag filter system being monitored at regular intervals for existing plant. The project is under implementation, and civil construction work is in progress. All above practices will be adopted during operation phase.
2.15	Water Sprinklers/Water mist system shall be installed	Dust extraction systems (DE), Dry fog dust

	near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.	suppression (DFDS) & Rain gun water sprinkling systems are installed in coal handling plant and ash handling system of Captive Power Plant. The project is under implementation, and civil construction work is in progress. All above practices will be adopted during operation phase.
2.16	The particulate matter emissions from the process stacks shall be less than 30 mg/Nm3 and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.	The project is under implementation, and civil construction work is in progress. Electrostatic Precipitators (ESP) of adequate efficiency will be installed in Captive Power Plant (CPP) to restrict particulate emissions within 30 mg/Nm^3.
2.17	Following additional arrangements to control fugitive dust shall be provided: a. Fog / Mist Sprinklers at all on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas. b. Proper covered vehicle shall be used while transport of materials. c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.	Following arrangements to control fugitive dust have been provided for existing plants. • Dust extraction systems (DE), Dry fog dust suppression (DFDS) & Rain gun water sprinkling systems are installed in coal handling plant and ash handling system of Captive Power Plant. • All raw materials, products and waste materials are transported through covered vehicles with a care to prohibit any spillage or leakages on the way. • 2 nos. wheel washing systems have been provided in CHP and Smelter area. • 1 nos. Full body bulker washing system installed in Ash handling area. The project is under implementation, and civil construction work is in progress. All above practices will be adopted during operation phase.

3. Air Quality Monitoring and Preservation in Case of Aluminium Smelter / Aluminium Refinery

3.1	Adopt measures to recover fluoride gas from electrolytic cells and recycle the same in the process.	Dry scrubbing system has been provided as gas treatment centre (GTC) to each of the pots in the pot room to recover fluoride gas from electrolytic cells and recycle the same in the process. The project is under implementation; the civil construction work is in progress. GTC is under construction for expansion project.
3.2	Practice use of low-Sulphur tars for baking anodes	We have noted and accepted.
3.3	The emissions of Tar and VOCs shall be controlled by utilising dry scrubbing, as may be applicable for aluminium smelting operations.	Fume treatment centre (FTC) has been provided to Anode Baking Furnaces to treat the tar fumes, dust, gaseous and particulate fluorides generated during Anode Baking. The project is under implementation; the civil construction work is in progress. Fume treatment centre (FTC) is under construction for expansion

		project.
3.4	Make efforts to increase the life of pot lining through better construction and operating techniques.	We have noted and accepted.
3.5	Recycle alumina dust collected in Gas Cleaning Centre.	We have noted and accepted. Will be provided in the expansion facilities.
3.6	Design the pot roofs with louvers and roof ventilators	We have noted and accepted. Will be provided in the expansion facilities.
3.7	During operational phase at Captive Power Plant, Action Plan to monitor coke/coal dust exposures in different process plants using personal and area air samplers and to compare with permissible limits as per Indian Factories Act, 1948 shall be implemented.	Personal sampling is being carried out in operational areas found within the permissible limits.
3.8	The coal dust should be monitored at coal unloading, crushing, furnace areas and should be within 2 mg/m3, respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.	The coal dust monitoring at coal unloading, crushing, furnace areas being carried out as per Indian Factories Act, 1948.

4. **Water Quality Monitoring and Preservation**

4.1	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate this system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Continuous effluent monitoring system installed in existing plant as per the CPCB guidelines and connected to SPCB & CPCB server. Calibration being carried out through NABL accredited laboratory. The Proposed project is under implementation, and the civil construction work is under progress. Continuous effluent monitoring system will be installed for proposed facility as per the CPCB guidelines and connected to SPCB & CPCB server.
4.2	The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.	Regular monitoring of ground water is being carried out through NABL accredited laboratories establishing a network of existing piezometer wells. The analysis report is enclosed as **Annexure-3.**
4.3	Garland drains and collection pits shall be provided for each stockpile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.	All raw material stockpiles of the existing smelter plant are stored in covered sheds on concrete floors. Similarly, covered sheds will be developed for the proposed plant. No raw materials will be stored outside in open stockpiles; therefore, garland drains and collection pits are not envisaged. However, Surface runoff from smelter area will be collected in Guard Pond & will be treated in Effluent Treatment plant.
4.4	Water meters shall be provided at the inlet to all unit processes in the plants.	The existing facilities have already installed flowmeters at the inlet of all unit processes in the plants. And similar meters will be installed in the expansion facilities also.

4.5	The project proponent shall make efforts to minimize water consumption in the plant complex by segregation of used water, practicing cascade use and by recycling treated water.	A separate water line for effluent and process water has been implemented in the existing plant. The effluent is being treated in a double-stage Reverse Osmosis (RO)-based Effluent Treatment Plant (ETP) of 300 m^3/hr capacity along with a 200 KLD Mechanical Vapor Recompression (MVR) system and 450 KLD capacity ETP installed in FRP plant. The treated water is fully recycled back into the process to minimize overall water consumption.
4.6	The proposed project shall be designed as Zero Liquid Discharge Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.	We are operating a Double Stage Reverse Osmosis based effluent treatment plant (ETP) of 300 m3/hr capacity & 200 KLD MVR system and 450 KLD capacity ETP installed in FRP plant and therefore no effluent water is being discharged to outside without treatment from Smelter. The domestic effluent from canteen, offices within the core plant area is being treated in the sewage treatment plant (STP) of 25 Cum/hr capacity and the domestic sewage from township is being treated in STP inside the township area of 300 KLD capacities. One STP 50 KLD capacity installed in FRP plant. The treated water is being used for gardening purposes.
4.7	All stockyards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stockyards also have garland drains and catch pits to trap the run-off material and shall be implemented as per the action plan submitted in EIA/EMP report.	Garland drains around the coal storage area followed by twin settling tanks and a big settling lagoon for further settling of coal dust is being provided to retain the solids and prevent damage to the surrounding land and water bodies. 50 m3/Hr Capacity Tube settler installed in CHP for surface runoff treatment.
4.8	Rainwater harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.	The rainwater harvesting structure have been implemented in the township buildings. all the runoff water comes to the rainwater harvesting pond (72,000 cum capacity) has been developed for ground water recharge purpose inside the township area.
4.9	Air- or Water-Cooled Condensers may be used in the Captive Power Plant.	Water-cooled condensers have been installed for the existing units. The proposed plant is under implementation, and civil construction work is in progress. Water-cooled condensers shall also be installed for the expansion facility.

5. Noise Monitoring and Prevention

5.1	Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof, and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	The ambient noise level is being monitored and is confirming to the Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof. The monitoring report is attached as **Annexure-4.**
5.2	The ambient noise levels should conform to the	The ambient noise level is being monitored, and

	standards prescribed under E(P)A Rules, 1986, viz. 75 dB(A) during day-time and 70 dB(A) during night-time.	overall noise level is within the standard. The monitoring report is attached as **Annexure-4.**
5.3	PP shall identify extreme hot areas through heat stress survey as well as noise monitoring within process plants to ensure that workers not exposed above 90 dBA levels as per Factories Act,1948.	Periodic Heat stress survey is being carried out and following necessary measures being taken care for work in high temperature work zone- • Schedule hot jobs for the cooler part of the day. • Monitor workers who are at risk of heat stress. • Provide rest periods with water breaks. • Providing the personal protective equipment as per norms. The overall noise levels in and around the plant area are within the prescribed standards and it is being made possible by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The overall noise level is within the standard; regular monitoring is being done. All necessary PPEs are provided to the workers and engineers working in the factory. All the Mandatory PPEs including earmuffs and masks in PPE kits are being provided to workers. Year wise details of the PPEs i.e. earmuffs and masks supplied to workers for the period of Oct-2025 to Mar-26 are as given below- 1. Earmuff & Ear Plug- 5481 Nos. 2. Dust mask & Respirator-15677 Nos

6. Energy Conservation Measures

6.1	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, streetlights, parking around project area and maintain the same regularly;	30 MW solar power plant installed in plant premises. solar light system for common areas, streetlights, and parking around project area being implemented for existing plant. 100 MW RE power import has been started.
6.2	Provide LED lights in their offices and residential areas.	LED lights have been provided in offices and residential areas for existing plant and same will be implemented for expansion facilities.

7. Waste Management

7.1	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil.	Used oil collected and sold to authorized recyclers.
7.2	Kitchen waste shall be composted or converted to biogas for further use.	Kitchen waste generated from the existing facility being composted in Bio composter and Energy Bin for compost making and utilizing for plantation as manure. Same practice will be implemented for expansion facilities.

7.3	100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.	The ash generated from the existing captive power plant is primarily supplied to cement plants and Road construction. Bottom ash is being utilized for filling low-lying areas inside the plant premises & Road Construction. The low-lying area filling and development activity is being carried out with prior approval of the State Pollution Control Board (SPCB), Odisha following the guidelines. The proposed plant is under implementation, and civil works are in progress.
7.4	The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at https://cpcb.nic.in/technical-guidelines3/. All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six-monthly compliance report being submitted by the project proponents.	The unit has phased-out Single-Use Plastic (SUP) items in compliance with the directives of the Central Pollution Control Board (CPCB). The plant has been declared a SUP-free zone, and a certificate to this effect has been issued by the Confederation of Indian Industry (CII). Regular awareness sessions are conducted within the plant premises and in nearby villages, in coordination with the CSR team. Details of these SUP awareness initiatives are attached **Annexure-5.**
7.5	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.	Electronic waste generated from the plant is being sold to authorized recyclers. The proposed plant is under implementation, and civil construction work is in progress. The e-waste generated from the expansion facilities will also be disposed of through authorized recyclers.

8. **Green Belt**

8.1	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.	Complied.
8.2	Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its	Complied.

	operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitorable with defined time frames.	
8.3	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.	Aditya Aluminium has developed >33% Greenbelt over an area of 446 Hectares inside the plant, ash pond area and township areas. Around 9,83,230 number of saplings planted till Mar-26 to arrest soil erosion and dust pollution from exposed soil surface.

9. Public Hearing and Human Health Issues

9.1	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Emergency Preparedness plan based on HIRA and Disaster Management Plan is already in place for existing plant facilities. The proposed expansion project is under implementation, and civil work is in progress. Same will be implemented for expansion facilities.
9.2	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.	Periodic Heat stress analysis is being carried out and following necessary measures being taken care for work in high temperature work zone- • Schedule hot jobs for the cooler part of the day. • Monitor workers who are at risk of heat stress. • Provide rest periods with water breaks. • Providing the personal protective equipment as per norms.
9.3	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, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	All necessary infrastructure and facilities have been provided to the workers as per rules & guidelines.
9.4	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.	Occupational Health Surveillance of the workers is being done as per the Odisha Factories Act. Periodical medical examinations for all employees are undertaken regularly. For the period of Oct-2025 to Mar-26 the health surveillance statistics are as follows: - Periodic Medical Health surveillance for permanent employees- 699 People. Periodic Medical Health surveillance for contractual employees-14154 People.

10. Environment Management

10.1	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-	We received the Environmental Clearance (EC) letter No. J-11011/136/2009-IA-I(I) on 07.06.2025.

	IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.	The CER Action Plan has been prepared in accordance with the socio-economic study conducted by XIM University. The execution and implementation of community development activities are in progress in consultation with the village panchayat and the District Administration. The total expenditure made as of March 2026 is around 1.3 Crore and around 12.77 crores of project work is under progress.
10.2	The company shall have a well-laid-down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe 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.	The company has adopted a well-laid-down Corporate Environment Policy. The Environment policy has been revised and approved by the Board on 13th February 2024. The copy of the revised environment policy is attached as **Annexure-6**
10.3	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 to the head of the organization.	The unit has a full-fledged environment monitoring laboratory and Environment & Sustainability Department with qualified personnel for monitoring of pollutants and effective remedial measures.
10.4	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.	The performance test of pollution control equipment for the existing plant has already been conducted through NIT Rourkela, Odisha. The expansion project is under implementation; the civil construction work is under progress. Performance test shall be conducted for expansion pollution control systems after completion & commissioning of the project.

11. Miscellaneous

11.1	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Information to Public has been made through advertisement of the environmental clearance in two widely circulated daily newspapers i.e. "The New Indian Express" and "The Samaya" on 12.06.2025. Also copy of EC is uploaded on company's website.

11.2	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.	A copy of the clearance letter has already been communicated to all concerned as mentioned in the condition. A scanned copy of the letter is also displayed on company's official website.
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.	The status of compliance to the EC conditions along with monitoring data is being uploaded into our Company website. (http://www.hindalco.com/sustainability/regulatory-compliances).
11.4	The project proponent should monitor the criteria pollutants level namely, PM 10, S02, NOX (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Installation of four (04) CAAQM Stations completed and commissioned. Data connectivity established with the servers of OSPCB and CPCB. Installation of the continuous stack emission monitoring system in all the major stacks completed. All the CAAQMS & CEMS synchronized with the webserver of the SPCB & CPCB. And the data being digitally displayed at the main entrance gate of the plant for information to the public.
11.5	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented.	The internal and connecting roads for the plant have been already developed and regular maintenance being carried out for enhancing the life of connecting and internal roads. However, in future if any new connecting road is proposed the design will be based on the study conducted during EIA report.
11.6	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.	The status of compliance to the existing EC conditions is being submitted to the regional office of the MoEFCC regularly on 1st June and 1st Dec respectively with a copy to CPCB & OSPCB and. Further, we are also submitting the EC compliance reports through Parivesh Portal accordance to MoEFCC office memorandum dated-14th June 2022.
11.7	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.	The environmental statement for each financial year ending 31st March in Form-V is submitted to the SPCB and MoEF&CC. The last environmental statement report has been submitted vide our letter no. AA/E&S/2025/1328, dated 13.09.2025.
11.8	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	We have noted and accepted.

	operation by the project.	
11.9	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	We have noted and accepted.
11.10	The recommendations of the approved Site-Specific Wildlife Management Plan (in case of involvement of Schedule-I species) shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the Regional Office concerned of the MoEF&CC.	The site-specific wildlife Management/Conservation Plan has been approved by the Principal Chief Conservator of Forests (PCCF), Wildlife. For the implementation of the recommendations of the approved Wildlife Conservation Plan, a request letter has been submitted to the Divisional Forest Officers (DFO), Sambalpur and Jharsuguda Districts, for issuance of the Demand Note towards payment for the Site-Specific Wildlife Conservation Plan (SSWLCP). An amount equivalent to 5% of the approved SSWLCP cost, i.e., ₹46,91,610/-, has been deposited in the account of the society "The Wildlife Odisha" on 04/11/2025. Besides, Wildlife conservation awareness programme being conducted in coordination with Forest department.
11.11	The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. on the company web site for the information to public/public domain. The PP shall also put the information on the left-over funds allocated to EMP and PH as committed in the earlier ECS and shall be carried out and spent in next three years, in the company web site for information to public/public domain.	The status of compliance to the existing EC conditions, including environment expenditure & PH compliance is being submitted to the regional office of the MOEFCC regularly on 1stJune and 1stDec respectively with a copy to CPCB & OSPCB and the same is being uploaded into the Company website. (http://www.hindalco.com/sustainability/regulatory-compliances). The proposed expansion project is under implementation; the civil construction work is under progress. CER expenses details being submitted along with EC compliance report.
11.12	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	We have noted and accepted.
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.	We have noted and accepted.
11.14	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	We have noted and accepted.
11.15	The Ministry reserves the right to stipulate	We have noted and accepted.

	additional conditions if found necessary. The Company in a time-bound manner shall implement these conditions.	
11.16	The Regional Office of this Ministry shall monitor compliance with the conditions stipulated. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	Full cooperation will be extended as and when required to the officers of Regional Office by furnishing the requisite data/information/monitoring reports.
11.17	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.	We have noted and accepted.

Encl: As above

(Authorized Signatory)

Annexure-1

Smelter Expansion Project Progress Report

Sl. No	Particulars	Project Status
1	Potline	• Foundation work is in progress • Structural erection work is in progress • GTC chimney raft casting completed and slipform assembly is in progress.
2	Green Anode Plant	• Piling Work is in progress • Concreting work for GAP started
3	Anode Baking Furnace	• Piling works in progress • Tub foundation concreting work in progress
4	Anode Roding Shop	• Site cleaning and area grading is in progress • Civil Work for foundation is in progress • Structural erection work has started
5	Captive Power Plant	• TG Raft Casting completed and TG Building foundation casting is in progress. • CPP Switchyard excavation work has started • Boiler Foundation casting completed, backfilling & compaction in progress • Slipform operation for chimney is in progress
6	Rectifier	• Firewall raft foundation casting completed, wall reinforcement binding work in progress. • Rectifier foundation casting in progress • GIS raft foundation in progress • 11 KV CRB foundation casting in progress
7	Alumina Silo	• Piling works completed • Concreting work to be start

Annexure-1

Photographs of Project activities

Rectifier Area

CPP site

Annexure-1

Pot Line site

Anode Rodding site

Annexure-1

ABF Site

GAP site

Annexure-2

Greenbelt Development Programme

Year	Area under greenbelt (Ha)	No. of plant Saplings	Location
As on Mar, 2026 >33% Green Belt developed	446 (Total plant area 1347.35 ha)	9,83,230 (Saplings planted)	Within the plant, township premises and Ash Pond area.

Mass plantation done inside the plant premises

Greenbelt development inside the plant premises




Greenbelt development inside the plant premises




Greenbelt development in Aditya Township

Greenbelt development in Aditya Township

Annexure-03

Ground Water Test Report Dec-25 to Mar-26

Sl. No.	Test Parameters	Month- Dec-25				Month- Mar-26			
		GW-1 (Near Ash Pond)	GW-2 (Near Proposed Ash Pond)	GW-3 (Near RR Colony)	GW-4 (Bomaloi Village)	GW-1 (Near Ash Pond)	GW-2 (Near Proposed Ash Pond)	GW-3 (Near RR Colony)	GW-4 (Bomaloi Village)
		Result	Result	Result	Result	Result	Result	Result	Result
1.	pH at 26^0C	7.41	7.45	7.56	7.44	7.38	7.26	7.15	7.38
2.	Turbidity in mg/l	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)
3.	Total Dissolved Solids as TDS in mg/l	174.4	127.3	254.6	131.3	187.3	73.7	268	164.2
4.	Aluminium as Al in mg/l	BDL(DL:0.01)	BDL(DL:0.01)	BDL(DL:0.01)	BDL(DL:0.01)	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)
5.	Boron as B in mg/l	BDL(DL:0.05)	BDL(DL:0.05)	BDL(DL:0.05)	BDL(DL:0.05)	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)
6.	Calcium as Ca in mg/l	28.03	16.01	44.5	20.02	32.03	12.01	40.04	20.02
7.	Chloride as Cl in mg/l	8.6	14.1	22.2	19.4	16	10	28	22.2
8.	Copper as Cu in mg/l	BDL(DL:0.02)	BDL(DL:0.02)	BDL(DL:0.02)	BDL(DL:0.02)	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)
9.	Flouride as F in mg/l	0.40	0.20	0.38	0.29	BDL(DL:0.2)	0.33	0.4	BDL(DL:0.2)
10.	Iron as Fe in mg/l	0.16	0.18	0.20	0.19	0.17	0.17	0.18	0.15
11.	Magnesium as Mg in mg/l	9.76	4.88	16.10	4.88	14.64	2.44	14.64	8.78
12.	Manganese as Mn in mg/l	BDL(DL:0.02)	BDL(DL:0.02)	BDL(DL:0.02)	BDL(DL:0.02)	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)
13.	Nitrate as NO3 in mg/l	BDL(DL:3.0)	BDL(DL:3.0)	BDL(DL:3.0)	BDL(DL:3.0)	0.87	0.98	2.11	0.84
14.	Phenolic Compounds as C6H5OH in mg/l	BDL(DL:0.001)	BDL(DL:0.001)	BDL(DL:0.001)	BDL(DL:0.001)	BDL(DL:0.001)	BDL(DL:0.001)	BDL(DL:0.001)	BDL(DL:0.001)
15.	Selenium as Se in mg/l	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)
16.	Sulphate as SO4 in mg/l	24.0	13.2	28.0	20.0	20.0	10.0	22.0	16.4
17.	Total Hardness as CaCO3 in mg/l	110.0	60.0	176.0	70.0	140.0	40.0	160.0	86.0
18.	Cadmium as Cd in mg/l	BDL(DL:0.001)	BDL(DL:0.001)	BDL(DL:0.001)	BDL(DL:0.001)	BDL(DL:0.003)	BDL(DL:0.003)	BDL(DL:0.003)	BDL(DL:0.003)
19.	Cyanide as CN in mg/l	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.05)	BDL(DL:0.05)	BDL(DL:0.05)	BDL(DL:0.05)
20.	Lead as Pb in mg/l	BDL(DL:0.001)	BDL(DL:0.001)	BDL(DL:0.001)	BDL(DL:0.001)	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)
21.	Mercury as Hg in mg/l	BDL(DL:0.0001)	BDL(DL:0.0001)	BDL(DL:0.0001)	BDL(DL:0.0001)	BDL(DL:0.001)	BDL(DL:0.001)	BDL(DL:0.001)	BDL(DL:0.001)
22.	Arsenic as As in mg/l	BDL(DL:0.001)	BDL(DL:0.001)	BDL(DL:0.001)	BDL(DL:0.001)	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)
23.	Total Chromium as Cr in mg/l	BDL(DL:0.01)	BDL(DL:0.01)	BDL(DL:0.01)	BDL(DL:0.01)	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)
24.	Sodium as Na in mg/l	14.2	7.3	25.0	13.0	10.2	6.6	29.0	12.0
25.	Conductivity in us/cm	260.4	190.0	380.0	196.0	280.2	110.0	400.0	246.0
26.	Potassium as K in mg/l	3.2	2.1	6.1	3.1	3.0	4.18	4.68	2.6
27.	Zinc as Zn in mg/l	BDL(DL:0.02)	BDL(DL:0.02)	BDL(DL:0.02)	BDL(DL:0.02)	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)	BDL(DL:0.005)
28.	Total Alkalinity as CaCO3 in mg/l	60.1	60.0	140.0	76.0	80.0	40.0	134.0	76.0

Annexure-04

Ambient Noise Monitoring Report (Oct-25 to Mar-26)									
Sr. No.	Month	Near Raw Water Reservoir		CPP Ash silo		Near Railway Siding		Near Inside Township	
		Day	Night	Day	Night	Day	Night	Day	Night
1	Oct-25	55.6	51.9	55.8	52.7	57.2	53.5	52.1	42.5
2	Nov-25	56.1	54.0	56.4	53.6	57.1	54.1	52.0	42.7
3	Dec-25	56.2	53.3	56.6	53.2	57.3	52.5	51.3	43.2
4	Jan-26	56.7	54.7	56.4	53.1	56.8	52.7	52.0	42.2
5	Feb-26	54.6	53.1	55.1	53.7	55.0	53.4	53.0	42.4
6	Mar-26	56.7	54.0	55.9	54.6	56.4	55.1	53.6	42.0
Average in dB (A)		**56.0**	**53.5**	**56.0**	**53.5**	**56.6**	**53.6**	**52.3**	**42.5**

Annexure-05

Reference: - MoEF&CC Office memorandum F. No. IA3-22/8/2021-1A.III [150512] dated 18/07/2022

Glimpses of Sensitization & Awareness of ban on Single Use Plastic Inside Plant, Township and Nearby Villages

SUP Ban Awareness to children in Pitapali village

SUP Ban Awareness to township residents

Annexure-05

Reference: - MoEF&CC Office memorandum F. No. IA3-22/8/2021-1A.III [150512] dated 18/07/2022

SUP Ban Awareness inside plant premises

SUP Ban Awareness on the shop floor inside the plant premises

Annexure-05

Reference: - MoEF&CC Office memorandum F. No. IA3-22/8/2021-1A.III [150512] dated 18/07/2022

ADITYA BIRLA

HINDALCO

Date: 25.07.2022

OFFICE ORDER

Subject: Discontinuation of Single Use Plastic ("SUP") items.

Dear Colleague,

As we all know, plastic items are not good for sustainable environment. We are hereby making a conscious effort in accordance with the Plastic Waste Amendment Rule, 2021 to refuse/ reduce the consumption of plastic items, including packaging but wherever unavoidable will be separately binned (whenever rejected), collected and send it to disposal for its proper recycling.

We are regularly creating awareness campaigns for all our employees, family members, vendors and stakeholders to reduce the generation of plastic waste. For safer, healthier and inclusive plant and township for all we hereby prohibit the following plastic items inside the plant and all public building of Aditya Aluminium effective immediately.

1. Thermocol/ Plastic items like plates, cups, glasses, cutlery such as forks, spoons, knives, straws, etc.
2. Barricading strips
3. Plastic Folders
4. Plastic sample bags
5. Mineral Water Bottles
6. Single use plastic bottles for drinking purposes
7. Plastic used for packing of motors/ value
8. Gift wrapping plastic films
9. Plastic carry bag
10. Plastic or PVC banners (Flex Banners)

Special instructions shall be given to vendors while procuring items to substitute single use plastic packaging with sustainable options. All are requested to cooperate and use alternate biodegradable substitutes.

Thanking You

Yours faithfully

Dr. Vivekanand Mishra

Vice President and HR Head

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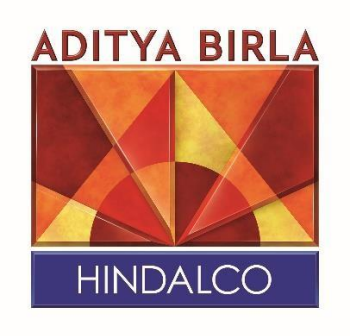
Tel: +91 22 6691 7000 | Fax: + 91 222 6691 7001
Corporate ID No.: L27020MH1958PLC011238

Communication to Employee, Workmen and Contactors



ENVIRONMENT POLICY

Effective from: **April 1, 2024**

First Revision: **August 09, 2022**
Second Revision: **February 13, 2024**
Third Revision: **September 11, 2025**

*Placed before the Board of Directors at its meeting held on February 13, 2024, and reviewed/approved thereat.

ENVIRONMENT POLICY

We, at Hindalco Industries Limited, operating across the process chain from mining to semi-fabricated products in non-ferrous metals, will strive to continually improve our environmental performance for sustainable operations and responsible growth globally, by integrating sound environmental systems & practices and Pollution Prevention approach.

To achieve this, we shall:

- Comply with all applicable legal, national, and international environmental requirements, and continually improve performance through a strengthened Environmental Management System.
- For Environmental KPIs, set measurable targets, continuously monitor progress, and assess environmental risks to effectively manage and mitigate impacts on the environment and society.
- Allocate sufficient resources such as organisational structure, technology and funds for implementation of the policy and for regular monitoring of performance.
- Adopt pollution prevention approach for all our processes; enhance material efficiency and achieve high productivity.
- Conserve key resources like (energy, water, raw materials, fuel) through efficient technologies, process improvements and conservation programs.
- Adopt energy-efficient and cleaner technologies aligned with techno-economic viability, regional needs, and growth plans.
- Promote waste minimization through prevention, reduction, reuse, recycling, recovery, and adopt circular economy practices.
- Align with TNFD recommendations by setting site-specific biodiversity targets that progress from No Net Loss[1] towards Net Positive Impact[2] by 2050.
- Collaborate and engage with employees, regulators, suppliers, contractors, customers, authorized business partners, communities, and other stakeholders to strengthen environmental practices, understand priorities, and address key challenges.
- Adapt environmental performance over life cycle as an important input to the decision-making processes in the organization.
- Raise environmental awareness on identifying and managing the environmental impacts for internal and external stakeholders through training, communication, participation and consultation
- Communicate this policy internally and externally, ensuring transparency on commitments and performance.
- Conduct environmental due diligence before undergoing any mergers and acquisitions.

This policy shall be made available to all employees, suppliers, customers, authorized business partners, community and other stakeholders, as appropriate. The implementation of this policy is the responsibility of respective heads of units with the monitoring and tracking done by the Apex Sustainability Committee under the guidance of the Managing Director.

[1] *As defined in Hindalco Biodiversity Policy*

[2] *As defined in Hindalco Biodiversity Policy*