

**Half Yearly Compliance Report
2026
01 Jun(01 Oct - 31 Mar)**

Acknowledgement

| | | | |
|------------------------------------------|-----------------------------------------------|-------------------------------|-----------------------------|
| Proposal Name | Phase III Copper smelter expansion project | | |
| Name of Entity / Corporate Office | HINDALCO INDUSTRIES LIMITED UNIT BIRLA COPPER | | |
| Village(s) | N/A | | |
| District | BHARUCH | | |
| Proposal No. | J-11011/220/2004-I A II (I) | Category | Industrial Projects - 1 |
| Plot / Survey / Khasra No. | N/A | Sub-District | N/A |
| State | GUJARAT | Entity's PAN | *****1201R |
| MoEF File No. | HIL/TIC/01-D | Entity name as per PAN | hindalco industries limited |

Compliance Reporting Details

| | |
|-------------------------|--------------------------------------------------|
| Reporting Year | 2026 |
| Remarks (if any) | EC report submitted for October-25 to March 2026 |
| Reporting Period | 01 Jun(01 Oct - 31 Mar) |

Details of Production and Project Area

Name of Entity / Corporate Office HINDALCO INDUSTRIES LIMITED UNIT BIRLA COPPER

| | Project Area as per EC Granted | Actual Project Area in Possession |
|--------------|---------------------------------------|------------------------------------------|
| Private | 0 | 0 |
| Revenue Land | 303.173 | 303.173 |
| Forest | 38.4775 | 38.4775 |
| Others | N/A | N/A |
| Total | 341.6505 | 341.6505 |

Others Area

| Sr. no | Other Name | Area Granted | Area Actual |
|--------|------------|--------------|-------------|
|--------|------------|--------------|-------------|

Production Capacity

| Sr. no | Product Name | units | Valid Upto | Capacity | Production last year | Capacity as per CTO |
|--------|----------------|----------------------|------------|-----------|----------------------|---------------------|
| 1 | Copper Cathode | Tons per Annum (TPA) | 26/01/2032 | 50,00,000 | 422253 | 50,00,000 |
| 2 | Oxygen (Tech) | Tons per Annum (TPA) | 26/01/2032 | 780000 | 494608 | 780000 |
| 3 | Sulphuric Acid | Tons per Annum (TPA) | 26/01/2032 | 1470000 | 1128263 | 1428000 |
| 4 | Gold | Tons per Annum (TPA) | 26/01/2032 | 26 | 12.953 | 26 |
| 5 | Silver | Tons per Annum (TPA) | 26/01/2032 | 200 | 126.137 | 200 |
| 6 | CC ROD | Tons per Annum (TPA) | 26/01/2032 | 484000 | 246565 | 364000 |
| 7 | Electric Power | MW | 26/01/2032 | 145.6 | 74.38 | 130 |

Conditions

Specific Conditions

| Sr.No. | Condition Type | Condition Details |
|--------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Statutory compliance | All the conditions stipulated by the Ministry while according to environmental clearance to the existing project vide its letter No. J-11011/86/2002-IA. II (I) dated 10th February, 2004 shall be strictly implemented. |

PPs Submission: Complied

Complied. There are seven specific condition, and thirteen general conditions stipulated in environmental clearance issued by the Ministry Vide Letter No. 11011/86/2002-IA II (I) dated 10-02-2004. The total conditions are complied with. All conditions are complied.

Date:
13/05/2026

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| 2 | Statutory compliance | The gaseous emissions from various process units should conform to the standards prescribed by the concerned authorities from time to time. The State Pollution Control Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location. At no time the emissions level should go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit should not be restarted until the control measures are rectified to achieve the desired efficiency. |
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PPs Submission: Complied

Complied. Advanced Air Pollution Control Measures (APCM), including energy efficient ESPs, baghouses, and bag filters, have been installed to maintain emissions well within the prescribed limits. Additionally, unit has installed scrubbers for effective SOx emission control, and regular monitoring confirms that emission levels remain well within the prescribed limits. The installation of the Tail Gas Scrubber (TGS-3) in SAP III (2018-19) has further enhanced SOx reduction efficiency. Continuous stack monitoring facilities are in place for all stacks, ensuring real-time emission

Date:
13/05/2026

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| tracking and compliance with regulatory standards. | | |
| 3 | Statutory compliance | The effluent generation shall not exceed 2655 m ³ /d (2525 m ³ /d of industrial effluent and 130 m ³ /d of domestic effluent). The Company shall undertake measures to reduce the water consumption by recycling/ reuse measures. The company shall achieve zero discharge as per the action plan submitted to the Ministry by use of treated wastewater after conforming to the prescribed standards for green belt development (1330m ³ /d), lime slurry preparation (475m ³ /d), make up in slag granulation (480m ³ /d) and gas cleaning section (370m ³ /d). Domestic effluent shall be treated in the STP and used for green belt development. |
| PPs Submission: Complied Complied The average industrial effluent generation and domestic effluent generation is within prescribed limit. Treated water is being utilized within the plant. Details is attached | | Date: 13/05/2026 |
| 4 | Statutory compliance | The company shall install cyclone and bag-filter to control the particulate emission in concentrates handling area. The recovered dust shall be recycled |
| PPs Submission: Complied Complied. The adequate capacity bag filters (6 Nos.) are installed in concentrate handling area to control the particulate emission. The recovered dust is recycled in the system. The condition is complied with. Details of APCM are attached. | | Date: 15/05/2026 |
| 5 | ENERGY PRESERVATION MEASURES | The company shall recover the energy from the smelter and use it for waste heat boiler. Secondary gases from the smelter shall be passed through centralized scrubbing system. Off gases from the re-boiler shall be cleaned by installation of high efficiency ESP. |
| PPs Submission: Complied Complied. The company has installed waste heat recovery boiler to generate steam of which can produce power. The secondary gas from the smelter is passed through centralized scrubbing system where caustic dosing is provided to neutralize the gas. Off-gases from the re-boiler is passed through high efficiency ESP to get cleaned the off-gas. The condition is complied with. | | Date: 13/05/2026 |
| 6 | AIR QUALITY MONITORING AND PRESERVATION | As per the action plan submitted to the Ministry, the Company shall achieve SO ₂ emission of 1kg/tonne of sulfuric acid produced. The company shall install scrubber to scrub emissions during start and shut down of H ₂ SO ₄ plant. The acid mist emission should conform to the prescribed standard of 50mg/Nm ³ |
| PPs Submission: Complied Complied. The unit has installed scrubbers for effective SO _x emission control, and regular monitoring confirms that emission levels remain well within the prescribed limits. The installation of the Tail Gas Scrubber (TGS 3) in SAP III (2018-19) has further enhanced SO _x reduction efficiency. Kindly refer specific condition no 02 | | Date: 13/05/2026 |
| 7 | AIR QUALITY MONITORING AND PRESERVATION | To control the total fluoride emission within the prescribed standards of 25mg/Nm ³ in the phosphoric acid plant, the company shall provide multistage scrubbers in the phosphoric plant. |
| PPs Submission: Complied Complied. The phosphoric acid plant is not in operation since April 2020. Presently, this condition is not applicable. | | Date: 13/05/2026 |
| 8 | WATER QUALITY MONITORING AND PRESERVATION | The company shall provide HDPE lined facility with proper Leachate collection system for phospho-gypsum storage. ETP sludge shall be disposed of in the TSDF developed as per the Central |

| | | Pollution Control Board guidelines. The ground water quality around the phospho-gypsum and ETP sludge disposal area shall be monitored and data submitted to the Ministry. |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>PPs Submission: Complied Complied. The HDPE lined facility with proper leachate collection system is provided for Phosphogypsum storage yard. Phosphogypsum evacuation has been completed in August 2025 and land is being reclaimed under the supervision of NEERI. The ETP sludge is disposed of in secured landfill which is developed as per CPCB guidelines and some quantum of ETP sludge is sent for co-processing in cement industry. The bore well (10 nos) is established all around the secured landfill to monitor ground water quality. The ground water quality monitored around the ETP sludge disposal area and Phosphogypsum area from Oct-25 to March-26 is attached.</p> | | Date: 13/05/2026 |
| 9 | GREENBELT | Green belt in 106.11 ha. of project area shall be provided to mitigate the effects of fugitive emissions all around the plant. The development of green belt should be in consultation with the DFO as per the CPCB guidelines. |
| <p>PPs Submission: Complied Complied. The green belt is developed all along the periphery of the plant. Existing green belt inside the plant premises covers an area of 123.5 Ha out 341.65 Ha total area having approximately 234947 Nos. of trees and approximately 2000 Nos. of trees planted outside the plant premises near material gate. Selection of plant species is as per CPCB guidelines in consultation with DFO. Photograph of green belt development is attached</p> | | Date: 15/05/2026 |
| 10 | WASTE MANAGEMENT | The company shall firm up the action plan for solid waste management and submitted to the Ministry. |
| <p>PPs Submission: Complied Complied. The unit has ensured proper handling, storage, utilization, and disposal of solid waste/by-products, including Phosphogypsum, Copper Granulated Slag, and Fly Ash. Dedicated storage yards are used for Copper Slag and Phosphogypsum, while Fly Ash is stored in RCC silos and conveyed through telescopic chutes in closed bulkers. Phosphogypsum evacuation has been completed in August 2025 and land is being reclaimed under the supervision of NEERI. The disposal details of Fly ash, copper slag and Phospho gypsum for the compliance period from Oct 2025 to March-2026 is attached.</p> | | Date: 13/05/2026 |
| 11 | WATER QUALITY MONITORING AND PRESERVATION | The company shall take measures for harvesting the rainwater to recharge the ground water. |
| <p>PPs Submission: Complied Complied 1. RWH structure of 37500 KL capacity is constructed in the eastern part of plant premises. 2. The plant is situated at the coast of Gulf of Khambat. Ground water recharge in this area is not possible as the aquifer movement is erratic and impacted by tidal variances. At the same time ground water is also highly saline. 3. Creating another rainwater harvesting structure/pond is challenging as ground water come up as high as 2 m, a lined pond can be constructed from 1.5 m only. This kind of limitation takes a lot of land space to create a storage pond. However, we are exploring the possibility of creating additional rainwater harvesting structures in the plant premises and the harvested water will be used for process activities after treatment.</p> | | Date: 13/05/2026 |
| General Conditions | | |
| Sr.No. | Condition Type | Condition Details |
| 1 | Statutory compliance | The project authorities must strictly adhere to the stipulations made by the Gujarat State Pollution Control Board. |

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| <p>PPs Submission: Complied Complied The unit has already obtained valid CCA to carry out the production from Gujarat Pollution Control Board. The unit is complying with the specific condition as well as conditions mentioned under air, water and hazardous waste management by adhering to all the stipulations made by Gujarat Pollution Control Board State Government and any statutory authority ensuring regulatory compliance and environmental responsibility. The latest CC and A copy is attached.</p> | | <p>Date: 15/05/2026</p> |
| 2 | Statutory compliance | <p>No further expansion or modifications in the plant should be carried out without prior approval of the Ministry of Environment & Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference should be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.</p> |
| <p>PPs Submission: Being Complied Being Complied Noted and shall be complied with.</p> | | <p>Date: 13/05/2026</p> |
| 3 | Statutory compliance | <p>The project authorities must strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended in October 1994 and January, 2000. Prior approvals from Chief Inspectorate of Factories, Chief Controller of Explosives, Fire Safety Inspectorate etc. must be obtained. Rules and regulations under Manufacture, storage and import of hazardous chemicals rules, 1989 as amended in October, 1994 and 2000 are being complied by us. Necessary licenses from Controller of Explosives, Boiler inspectorate and Factories Inspectorate have been obtained as per requirement.</p> |
| <p>PPs Submission: Complied Complied The company has already obtained the permission from Chief Inspectorate of Factories, Chief Controller of Explosives, Fire safety Inspectorate for Manufacture, storage and import of hazardous chemicals rules, 1989 and its amendments thereof. The permission obtained are attached.</p> | | <p>Date: 15/05/2026</p> |
| 4 | WASTE MANAGEMENT | <p>The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Wastes (Management and Handling) Rules, 2003. Authorization from the State Pollution Control Board must be obtained for collections/ treatment/ storage/disposal of hazardous wastes.</p> |
| <p>PPs Submission: Complied Complied The unit is in compliance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. The acknowledgement copy of Form-4 for FY24-25 submitted to GPCB is attached.</p> | | <p>Date: 15/05/2026</p> |
| 5 | Noise Monitoring & Prevention | <p>The overall noise levels in and around the plant area should be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).</p> |
| <p>PPs Submission: Complied Unit has taken the following noise control measures has been undertaken: All the vibrating parts is being checked periodically and serviced to reduce the noise generation. The equipment, which is prone to generate excessive noise, is provided with enclosures etc. To minimize the adverse effects on the health, earmuffs and earplugs is being provided to the workers working under high noise area. To reduce the noise generation during the transportation activities; the vehicle is being kept</p> | | <p>Date: 13/05/2026</p> |

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| | | periodically serviced and maintain as per the requirement of latest trend in automobile industry. Only vehicles with PUCs are allowed for the transportation. The average analysis results of ambient noise level monitoring for the compliance period Oct 25 to Mar 26 is attached Additionally, ambient noise monitoring is being conducted through the GPCB and MoEFCC approved, NABL-accredited laboratory M/s. Green Leaf Envirotech Ltd. The approval letter from GPCB, MoEFCC, and the NABL accreditation certificate is given in specific condition no 01 | |
| 6 | Risk Mitigation and Disaster Management | Occupational health surveillance programme should be undertaken as regular exercise for all the employees, specifically for those engaged in handling hazardous substances. The first aid facilities in the occupational health center should be strengthened and the medical records of each employee should be maintained separately. | |
| | | PPs Submission: Complied Complied The occupational health surveillance of workers is conducted regularly, and records are maintained as per the Factories Act. The company has a structured health monitoring system in place, ensuring periodic medical check-ups and necessary health interventions. Sample Record is during the period of Oct-25 to March 26 is attached | Date: 13/05/2026 |
| 7 | Corporate Environmental Responsibility | The project proponent should have a scheme for social up liftment in the surrounding villages with reference to contribution in road construction, education of Children, festivals, health centers, sanitation facilities, drinking water supply, community awareness and employment to local people whenever and wherever possible both for technical and non-technical jobs | |
| | | PPs Submission: Complied Complied HIL has established a dedicated Corporate Social Responsibility (CSR) cell with specialized personnel to ensure effective planning and execution of CSR initiatives in accordance with Clause 135 of the Companies Act, 2013. The CSR Plan is structured based on the SMART (Specific Measurable Achievable Relevant and Time bound) concept ensuring impactful and sustainable development in surrounding villages. The company has implemented a range of CSR activities focusing on health, education, skill development, women empowerment, and infrastructure development. Notable initiatives include Healthcare Regular monthly health camps benefiting local communities. Education: Support for schools, including infrastructure enhancement and scholarships. Infrastructure Construction of school buildings sewage drainage in Lakhigam village, and provision of water supply to Dahej and Lakhigam Sustainable Livelihood: Training programs aimed at skill development for youth and women empowerment initiatives. A dedicated budget is allocated for CSR activities, and the details of the CSR Plan have been uploaded on the companys website and included in the Annual Report. The company has actively engaged with local communities and administration to ensure the effective implementation of CSR initiatives. | Date: 13/05/2026 |
| 8 | Risk Mitigation and Disaster Management | The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA and Risk analysis report. | |
| | | PPs Submission: Complied Complied. The company has taken several environmental protection measures and safeguards recommended in the EIA and risk analysis report | Date: 13/05/2026 |
| 9 | Statutory compliance | A separate Environmental Management Cell equipped with full-fledged laboratory facilities must be set up to carry out the Environmental Management and monitoring functions. | |
| | | PPs Submission: Complied Complied. A separate Environmental Management Cell equipped with full-fledged laboratory facilities is set up to carry out the environmental Management and monitoring functions. 10A full-fledged separate Environmental Laboratory is set up and equipped with all necessary instruments/ equipment | Date: 13/05/2026 |

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| 10 | Corporate Environmental Responsibility | The project authorities shall earmark an amount of Rs. 162.65 cores (as mentioned in question no. xix of questionnaire) to implement the conditions stipulated by the Ministry of Environment & Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purpose. The funds already were used for environmental protection measures during the plant expansion and not diverted for any other purposes. |
| PPs Submission: Complied Complied. The requisite funds have been earmarked and utilized towards capital and recurring costs for environmental pollution control measures in accordance with the conditions stipulated by MoEFCC and the State Government. The implementation of these measures has been successfully carried out, ensuring compliance with regulatory requirements. The total year wise capital and recurring expenditure incurred on key environmental infrastructure is attached. | | Date: 15/05/2026 |
| 11 | Statutory compliance | The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's regional office at Bhopal / State Pollution Control Board / Central Pollution Control Board. A six-monthly compliance status report should be submitted to monitoring agencies. |
| PPs Submission: Complied Complied. The six monthly compliance reports, including monitored environmental data, are being regularly submitted in both hard copies and via email to the Regional Office of MoEFCC the respective Zonal Office of CPCB, and the SPCB. This ensures continued compliance with stipulated environmental conditions The acknowledgement copy of submitted six monthly report for the period of April 2025 to September 2025 is attached | | Date: 12/05/2026 |
| 12 | PUBLIC HEARING | The Project Proponent should inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the State Pollution Control Board/ Committee and may also be seen at website of the Ministry of Environment and Forests at http://envfor.nic.in . This should be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional Officer. |
| PPs Submission: Complied The company has published the information regarding obtaining the environment clearance for the aforesaid project in two daily newspapers i.e. Times of India dtd.21.02.2004 and Gujarat Samachar dtd.20.02.2004. A copy of the above letter and a copy of each advertisement was submitted to MoEF, New Delhi vide letter No. IGCL/TIC/01 dated 24.02.2004. The condition is complied with | | Date: 12/05/2026 |
| Visit Remarks | | |
| Last Site Visit Report Date: | | 07/05/2026 |
| Additional Remarks: | | EC compliance is attached in additional attachment section |
| <p style="text-align: center;">Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.</p> | | |

Your (**Half Yearly Compliance Report**) has been **Submitted** with following details

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| Proposal No | J-11011/220/2004-I A II (I) |
| Compliance ID | 685500178 |
| Compliance Number(For Tracking) | EC/M/COMPLIANCE/685500178/2026 |
| Reporting Year | 2026 |
| Reporting Period | 01 Jun(01 Oct - 31 Mar) |
| Submission Date | 15-05-2026 |
| RO/SRO Name | Shri Satya Prakash Negi |
| RO/SRO Email | jhk119@ifs.nic.in |
| State | GUJARAT |
| RO/SRO Office Address | Integrated Regional Offices, Gandhi Nagar |

Note:- SMS and E-Mail has been sent to Shri Satya Prakash Negi, GUJARAT with Notification to Project Proponent.