

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

Acknowledgement

Proposal Name	Expansion of copper smelter and setting up of zinc smelter plant		
Name of Entity / Corporate Office	HINDALCO INDUSTRIES LIMITED UNIT BIRLA COPPER		
Village(s)	N/A		
District	BHARUCH		
Proposal No.	J- 11011/85/2002-IA 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.	IGCL/TIC/01/D	Entity name as per PAN	hinalco industries limited

Compliance Reporting Details

Reporting Year	2026
Remarks (if any)	EC compliance report submitted for Oct 2025 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
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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	Sulphuric Acid	Tons per Annum (TPA)	26/01/2032	147000	1128263	1428000
3	Oxygen(Technical)	Tons per Annum (TPA)	26/01/2032	780000	494608	780000
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 environmental clearance to the existing project vide its letter no. J-11011/81/2000-IA. II(I) dated 8th January, 2002 should be strictly implemented.

<p>PPs Submission: Complied</p> <p>Complied. There are seven specific condition, and thirteen general conditions stipulated in environmental clearance issued by the Ministry Vide Letter No. J-11011/81/2000-IA. II (I) dated 8th January 2002 the total conditions have been complied with.</p>	<p>Date: 13/05/2026</p>
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2	Statutory compliance	As reflected in the EIA/EMP effluent generation should not exceed 153 m3/hr. Capacity of the existing ETP should be further augmented from 160m3/hr to 200m3/hr. company should make efforts to achieve zero discharge, till such time, company should utilize the treated effluent to the maximum extent possible for green belt development. However, additional treated effluent or during the rainy season, effluent could be discharged into the deep sea through HDPE pipeline at a point through multiple diffuser system as recommended by the NIO. The treated effluent should conform to the standards including Bioassay test as per the GPCB. The monitoring report should be submitted to the Ministry regularly.
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<p>PPs Submission: Complied</p> <p>Complied. The capacity of ETP was augmented and effluent generation is within the limit. The commitment to achieving Zero Liquid Discharge (ZLD) is being followed, with ongoing efforts to eliminate any effluent discharge outside the premises. Historically, deep-sea discharge was permitted under earlier environmental clearances, but multiple projects have been undertaken to progressively reduce this discharge from 2190 KLD (pre-2014) to 1000 KLD (2014) and further to 300 KLD</p>	<p>Date: 13/05/2026</p>
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<p>(2023). The current proposal aims to completely eliminate the remaining 300 KLD effluent through advanced recycling and reuse strategies. To achieve this, caustic scrubbers in both smelters and sulphuric acid plants will be replaced with hydrogen peroxide scrubbers, ensuring that the bleed is recycled within the process. The implementation is scheduled for completion by 2029.</p>		
3	Statutory compliance	<p>Fugitive emission of dust/acid mist vapors, fumes and SO₂ should be controlled and work environment monitored for prevailing contaminants regularly. Fugitive dust emission in the zinc concentrate handling area and at various transfer points should be minimized. The company should install bag filter in the calcine grinding, melting and casting sections of zinc smelter plant for recovery of dust & should be recycled in the process.</p>
<p>PPs Submission: Complied Complied. The unit has implemented effective measures to control fugitive emissions from all the vulnerable sources within the plant premises. The captive jetty hopper ensures controlled unloading of imported copper concentrate, which is transferred through a closed pipe conveyor, minimizing spillage and airborne emissions. Other bulk materials are transported using covered trucks and bulkers, preventing dust dispersion. Additionally, bag filters at the jetty contribute to effective dust control. To further mitigate dust emissions following measures are taken: RCC internal roads are in place to reduce dust generation. Copper rod (final product) is transported in covered trailers, eliminating fugitive emissions. Three high-volume mechanized road sweepers and nine portable mechanized sweepers are deployed for regular cleaning. 34 water sprinklers are installed to suppress dust emissions during coal loading and unloading. Moreover, in order to ensure SO₂ is under control, caustic scrubbers have been installed in Smelter-1, Smelter-3 and SAP-3. Fugitive monitoring is being carried out by GPCB and MoEFCC approved, NABL-accredited laboratory. Fugitive emission monitoring report for the compliance period Oct 2025 to March 2026 is attached as Annexure-Fugitive emission Zinc smelter and related infrastructure was never installed, zinc smelter related point is not applicable.</p>		<p>Date: 15/05/2026</p>
4	AIR QUALITY MONITORING AND PRESERVATION	<p>SO₂ containing off-gases from smelting, setting and converting furnaces in copper and zinc smelter plants should be cleaned and converted to Sulphuric acid by Double Conversion Double Absorption (DCDA) Process technology for maximum conversion of SO₂ to H₂SO₄. Industry should meet SO₂ emission limit of 2kg/ton of H₂SO₄ produced and emission limit of 50mg/Nm³ of acid mist. Company should install fluoride scrubbing system for phosphoric acid plant so that fluoride concentration should conform to the prescribed standards of 25mg/Nm³.</p>
<p>PPs Submission: Complied Complied. SO₂ containing off-gas from smelting, converting furnace is cleaned and converted into sulphuric acid by double conversion and double absorption process technology at scrubber. The company has complied the SO₂ emission as well as acid mist. All emissions are well within the prescribed standard. Phosphoric acid plant operation stopped since April 2020 Zinc Smelter and related infrastructure not implemented Au smelt plant and SAP-II plant has been dismantled in 2017 and 2019 respectively. Environmental monitoring activities, including stack emission, ambient air quality, effluent quality, and noise levels, are 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 attached</p>		<p>Date: 13/05/2026</p>
5	Statutory compliance	<p>The industry should develop a dedicated new secured landfill facility for jarosite from the zinc smelter plant as per the CPCB guidelines besides the land fill facility already developed for disposal of solid waste from copper smelter plant. Authorization under the hazardous wastes (Management & Handling) rules 2000, from the GPCB should be obtained. Ground water quality in the vicinity of the landfill should be regularly monitored and report submitted to the CPCB/GPCB/Ministry once in six months.</p>

<p>PPs Submission: Complied Complied. Zinc Smelter plant was not commissioned hence this point is not applicable. However, secured land fill facility is already developed as per CPCB guidelines for disposal of waste from copper smelting plant. The required Authorization under the hazardous wastes (Management and Handling) rules 2000, from the GPCB is obtained Additionally, monthly monitoring of groundwater is carried out and summary of analysis reports from Oct-2025 to March 2026 is attached</p>		<p>Date: 13/05/2026</p>
6	GREENBELT	<p>Green belt of adequate width and density in 25 ha. Of project area in addition to the 62 ha. Of area already afforested should be provided to mitigate the effects of fugitive emission all around the plant. The addition land required for green belt development should be procured and progress made in this regard should be reported to this Ministry within three months The development of green belt along the periphery of plant and township should be anomy based as per CPCB guidelines.</p>
<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 237179 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>		<p>Date: 15/05/2026</p>
7	WASTE MANAGEMENT	<p>The solid hazardous waste/sludge generated from the process should be disposed off in a landfill. The landfill should be constructed at a safe height from Gr water. The design of the landfill should be approved by SPCB as per Hazardous Wastes (M&H) Rules 06-01-2003.</p>
<p>PPs Submission: Complied Complied The solid hazardous waste/sludge generated from the process is disposed in a secured landfill. The secured landfill is constructed in consultation with National Productivity Council (NPC) as per CPCB guideline which is approved by GPCB. The safe height from Gr water, designed of the land fill is approved by GPCB as per Hazardous Wastes (M and H) Rules 06-01-2003. The permission is enclosed as Annexure.</p>		<p>Date: 15/05/2026</p>
<p>General Conditions</p>		
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.
<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 as Annexure</p>		<p>Date: 15/05/2026</p>
2	Statutory compliance	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>PPs Submission: Being Complied Being Complied Noted and shall be complied with.</p>		<p>Date: 14/05/2026</p>
3	Statutory compliance	<p>The project authorities must strictly comply with the rules 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.</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 as amended in October 1994 and January 2000, all are attached as annexure.</p>		<p>Date: 15/05/2026</p>
4	Statutory compliance	<p>The project authorities must strictly comply with the rules with regard to hazardous wastes in accordance with the hazardous Wastes (M & H) Rules 1989 as amended in Oct-94 and in Jan, 00. Authorization from the SPCB must be obtained.</p>
<p>PPs Submission: Complied Complied with the rules and regulations with regard to handling and disposal of Hazardous wastes in accordance with the Hazardous wastes (management and Handling) Rules, 1989 as amended in January, 1994 and in January, 2000. The company has already obtained authorization for collections/treatment/storage/disposal of hazardous waste, Under the Hazardous Wastes (Management and Handling) Rules, 2003 under CCA granted by GPCB, The unit is in compliance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. The acknowledgement copies 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 standard (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 standard prescribed under EPA rules 1989.</p>
<p>PPs Submission: Complied Complied The overall noise levels in and around the plant is kept well within the standards and the following noise control measures have 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/ear-plugs 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 periodically serviced and maintain as per the requirement of latest trend in automobile industry. Only vehicles with PUC's are allowed for the transportation 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. 02. Noise monitoring details from Oct 25 to March 26 are attached.</p>		<p>Date: 15/05/2026</p>
6	Statutory compliance	<p>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 employees should be maintained separately.</p>
<p>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</p>		<p>Date: 15/05/2026</p>

during the period of Oct-25 to March 26 is attached		
7	Corporate Environmental Responsibility	The project proponent should have a scheme for social upliftment in the surrounding villages with reference to contribution.
<p>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 company's 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. The details of CSR plan carried out</p>		Date: 14/05/2026
8	Statutory compliance	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA and risk analysis report.
<p>PPs Submission: Complied Complied. The company has undertaken several measures to protect the environment and safeguard the recommendations already made in EIA/EMP report. The risk assessed and accordingly EMP is prepared, hence condition is complied with.</p>		Date: 14/05/2026
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.
<p>PPs Submission: Complied Complied A full fledged separate Environmental Laboratory is set up and equipped with all necessary instruments/ equipments. The following equipment and consumable are available in the laboratory</p>		Date: 14/05/2026
10	Corporate Environmental Responsibility	The project authorities will provide adequate funds both recurring and non-recurring to implement the conditions stipulated by the MoEF as well as the State Government. The funds so provided should not be diverted for any other purpose.
<p>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</p>		Date: 14/05/2026
11	Statutory compliance	A six monthly compliance status report should be submitted to monitoring agencies.
<p>PPs Submission: Complied Complied. The six monthly compliance reports, including monitored environmental data, are being regularly submitted in both hard copies and via e-mail to the Regional Office of MoEFCC, the respective Zonal Office of CPCB and the SPCB. This ensures continued compliance with stipulated</p>		Date: 14/05/2026

environmental conditions The acknowledgement copy of submitted six monthly report for the period of April 2025 to September 2025 is attached		
12	PUBLIC HEARING	The project proponent should inform the public that the project has been accorded environmental clearance by the Ministry. 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 and a copy of the same should be forwarded to the Regional office.
PPs Submission: Complied 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: 14/05/2026
13	Statutory compliance	The project Authorities should inform the Regional Office as well as the ministry, the date of financial closure, approval and the date of commencing land development work, if any.
PPs Submission: Complied Complied The company has informed the Regional Office as well as the Ministry, the date of financial closure and final approval of the project and commencing the land development work. The condition is complied with.		Date: 14/05/2026
Visit Remarks		
Last Site Visit Report Date:		07/05/2026
Additional Remarks:		EC compliance report attached with all annexures 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

Proposal No	J- 11011/85/2002-IA II (I)
Compliance ID	685440778
Compliance Number(For Tracking)	EC/M/COMPLIANCE/685440778/2026
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.