

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

Acknowledgement

Proposal Name	Expansion of Continuous Cast Copper Rod (CCR) Plant		
Name of Entity / Corporate Office	HINDALCO INDUSTRIES LIMITED UNIT BIRLA COPPER		
Village(s)	N/A		
District	BHARUCH		
Proposal No.	J-11011/927/2008 -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.	NIL	Entity name as per PAN	hindalco industries limited

Compliance Reporting Details

Reporting Year	2026
Remarks (if any)	EC compliance 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
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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	CC ROD	Tons per Annum (TPA)	26/01/2032	484000	246565	364000
3	Electric Power	Tons per Annum (TPA)	26/01/2032	145.6	74.38	130
4	Oxygen(Technical)	Tons per Annum (TPA)	26/01/2032	780000	494608	780000
5	Gold	Tons per Annum (TPA)	26/01/2032	26	12.953	26
6	Sulphuric Acid	Tons per Annum (TPA)	26/01/2032	1470000	1128263	1428000
7	Silver	Tons per Annum (TPA)	26/01/2032	200	126.137	200

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	Statutory compliance	The company shall comply with the stipulations made in the environmental clearance issued by the Ministry vide letter No. J-11011/220/2004-IA. II (I) dated 18.03.2005.
<p>PPs Submission: Complied</p> <p>Complied. There are eleven specific condition, and thirteen general conditions stipulated in environmental clearance issued by the Ministry Vide Letter No. J-11011/220/2004-IA. II (I) dated 18.03.2005. All conditions are complied</p>		Date: 15/05/2026
2	Statutory compliance	The company shall install sufficient air pollution control equipment's to comply with the emission norms prescribed by the Gujarat Pollution Control Board.
<p>PPs Submission: Complied</p> <p>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. Photograph of APCM installed within the premises are attached.</p>		Date: 12/05/2026
3	Statutory compliance	The company shall provide the monitoring arrangement with stacks/vents and regular monitoring carried out and reports submitted to the SPCB, CPCB and Ministry's Regional Office at Bhopal.

<p>PPs Submission: Complied Complied. 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. Additionally 36 Continuous Emission Monitoring Systems (CEMS) have been installed across 16 stacks as per CPCB guideline for real-time (24x7) monitoring of key environmental parameters, including PM, SO2 and NOx in compliance with the conditions stipulated under the Consolidated Consent and Authorization (CC and A). The emission monitoring reports are periodically submitted to the Ministry of Environment Forest and Climate Change (MoEFCC) and its Regional Office on six monthly basis along with EC compliance report. All installed CEMS are integrated with the CPCB server, ensuring continuous data transmission and regulatory compliance The approval letter of 3rd party from GPCB MoEFCC, and the NABL accreditation certificate is attached</p>		<p>Date: 12/05/2026</p>
4	Statutory compliance	Secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines / Code of practice issued by the CPCB shall be followed
<p>PPs Submission: Complied Complied. Secondary fugitive emissions from all the sources are within the permissible limits issued by the Ministry and are regularly monitored. Fugitive emission monitored as per CPCB code of practices. Form 37 and Fugitive Monitoring report for the period Oct-25 to March-26 is attached as Annexure</p>		<p>Date: 15/05/2026</p>
5	Statutory compliance	The water requirement and wastewater generation for expansion project shall not exceed 500.0 KLD and 0.5 KLD respectively.
<p>PPs Submission: Complied Complied. Water requirement and wastewater generation is well within the prescribed limit.</p>		<p>Date: 12/05/2026</p>
6	Statutory compliance	The company shall obtain the permission for drawl of 500 KLD water from Narmada River and submit a copy to the Ministry's Regional Office at Bhopal.
<p>PPs Submission: Complied Complied. The Company has obtained permission of 11 MGD water from GIDC, as the approving authority for water drawl from Narmada River is GIDC. Approval Letter is attached as Annexure</p>		<p>Date: 15/05/2026</p>
7	GREENBELT	Green belt shall be developed in 33% area in and around the plant as per the CPCB guidelines in consultation with DFO
<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>		<p>Date: 15/05/2026</p>
8	Human Health Environment	Provision shall be made for the housing of construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, Safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
<p>PPs Submission: Complied Complied. All necessary provisions were made for housing construction labour within the site during the construction phase. The following infrastructure and facilities were ensured Fuel for cooking to prevent deforestation and indoor air pollution. Mobile toilets and mobile STP to manage sanitation and wastewater effectively. Safe drinking water supply for labourers health and hygiene.</p>		<p>Date: 12/05/2026</p>

Medical healthcare facilities for routine check-ups and emergency response. Facilities to support workers with young children. After project completion, the temporary structures were systematically dismantled, ensuring compliance with environmental conditions

General Conditions

Sr.No.	Condition Type	Condition Details
1	Statutory compliance	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board (SPCB) and the State Government.
<p>PPs Submission: Complied</p> <p>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>		Date: 15/05/2026
2	Statutory compliance	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment & Forests.
<p>PPs Submission: Being Complied</p> <p>Being Complied Noted and shall be complied with</p>		Date: 12/05/2026
3	Statutory compliance	The gaseous emissions from various process units shall conform to the load/mass-based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The State Pollution Control Board (SPCB) 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 shall go beyond the prescribed standards. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.
<p>PPs Submission: Complied</p> <p>Complied. Kindly refer to Specific Condition No. 2 and 3</p>		Date: 12/05/2026
4	AIR QUALITY MONITORING AND PRESERVATION	At least four ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of SPM, SO ₂ and NO _x are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office and the SPCB/CPCB once in six months.
<p>PPs Submission: Complied</p> <p>Complied Ambient air quality 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 Additionally the unit has installed four Continuous Ambient Air Quality Monitoring Stations (CAAQMS) within the plant premises for real-time monitoring of key environmental parameters, including PM_{2.5} PM₁₀ SO₂ and NO_x Photograph of 4 CAAQMS stations in Birla Copper and ambient air monitoring report of Oct 25 to March 26 is attached.</p>		Date: 15/05/2026
5	Statutory compliance	In-plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Further, specific measures like water sprinkling around the coal stockpiles and asphaltting or

		concreting of the roads shall be done to control fugitive emissions.
	<p>PPs Submission: Complied</p> <p>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.</p>	Date: 15/05/2026
6	WATER QUALITY MONITORING AND PRESERVATION	Industrial wastewater shall be properly collected and treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.
	<p>PPs Submission: Complied</p> <p>Complied Industrial wastewater is collected and treated in effluent treatment plant Brief process description of existing ETP: The plant operates two-stage ETPs where effluent undergoes neutralization, metal precipitation, and gypsum production before being treated in a three-stage system with ultrafiltration and Reverse Osmosis (RO). The 5.4 MLD ETP RO unit recycles permeate as soft water, while reject water is further treated in a 2 MLD tertiary water recycling unit (TWRU) with a 0.32 MLD evaporator, producing sodium sulfate salts. Cooling water blowdown and first wash stormwater are also treated and reused. The unit conducts regular monitoring of treated wastewater ensuring compliance with prescribed norms. Six daily samples of influent and effluent are analysed in the inhouse laboratory, and summary of analysis reports of treated effluent from Oct 2025 to March 2026 is attached. The treated effluent analysis report from Oct 2025 to Mar 2026 demonstrates consistent compliance with the Gujarat Pollution Control Board (GPCB) norms. The key observations are: pH, Temperature, and Color remain well within permissible limits, indicating stable treatment efficiency. Suspended Solids, COD, and BOD values are significantly below regulatory limits, reflecting effective primary and secondary treatment processes. Oil and Grease, Phenolic Compounds, Sulphide Cyanides and Heavy Metals such as Mercury, Lead and Cadmium are either undetectable or present in negligible concentrations, demonstrating robust contaminant removal. Fluoride Hexavalent Chromium Total Chromium Copper Nickel Zinc, and Arsenic levels are well below prescribed limits, ensuring safe discharge. BioAssay Test results indicate a consistent fish survival rate above 96 percent, exceeding the required 90 percent, which signifies the treated effluent is non toxic to aquatic life. Treated effluent monitoring is being conducted through the GPCB 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 The treated effluent monitoring report from the NABL accredited laboratory for the compliance period Oct 2025 to Mar 2026 is attached</p>	Date: 15/05/2026
7	Noise Monitoring & Prevention	The overall noise levels in and around the plant area should be kept well within the standards 85 dB(A) 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 dB(A) (day time) and 70 dB(A) (night time).
	<p>PPs Submission: Complied</p> <p>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 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 periodically serviced and maintain as per the requirement of latest trend in automobile industry. Only vehicles with PUCs are allowed for the transportation Additionally, ambient noise monitoring is being conducted</p>	Date: 15/05/2026

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 The average analysis results of ambient noise level monitoring for the compliance period Oct 25 to Mar 26 and the copy of ambient noise monitoring report from the NABL accredited laboratory for the compliance period Oct 2025 to March 2026 is attached as Annexure		
8	Statutory compliance	Occupational health surveillance of the workers shall be done on a regular basis and the records maintained as per the factory act.
<p>PPs Submission: Complied</p> <p>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. Health record is being maintained. Sample Record is during the period of Oct-25 to March 26 is attached</p>		Date: 12/05/2026
9	Statutory compliance	The company shall develop rainwater harvesting structures to harvest the rainwater for utilization in the lean season besides recharging the ground water table.
<p>PPs Submission: Complied</p> <p>Complied 1. RWH structure of 37,500 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: 12/05/2026
10	Risk Mitigation and Disaster Management	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report further, the company must undertake socio-economic development activities in the surrounding villages like community development programme, educational programme, drinking water supply and health care etc. suggestion made during the public hearing shall be implemented
<p>PPs Submission: Complied</p> <p>Complied The unit has implemented all environmental protection measures and safeguards as recommended in the EIA/EMP report. Additionally, the company has undertaken various socio-economic development activities in the surrounding villages, including community development programs, educational initiatives, drinking water supply, healthcare services, and women empowerment programs. The unit has actively undertaken various social development initiatives in line with its Enterprise Social Commitment (ESC). The company has collaborated with the Gram Panchayat and District Administration to identify and address community needs, ensuring the effective utilization of funds. The expenditure has been directed toward key areas such as education, healthcare, infrastructure development, and skill enhancement programs for local communities. The year-wise expenditure details are attached</p>		Date: 12/05/2026
11	Corporate Environmental Responsibility	Adequate fund shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures and shall be judiciously utilized to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purpose.
<p>PPs Submission: Complied</p> <p>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</p>		Date: 15/05/2026

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.		
12	Statutory compliance	The Regional Office of this Ministry / CPCB / SPCB shall monitor the stipulated conditions. A six-monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.
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
13	PUBLIC HEARING	The Project Proponent shall 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 of 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 office.
PPs Submission: Complied Complied Project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment, Forests and Climate Change (MoEFFCC) has been advertised in two local newspapers and a copy of the same has been submitted to the regional office at Bhopal. Please note that Ministry Regional Office for Hindalco, Birla Copper is in Gandhinagar.		Date: 12/05/2026
14	Statutory compliance	The Project Authorities should inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the 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.		Date: 12/05/2026
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="color: red; 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-11011/927/2008 -I A II (I)
Compliance ID	685549378
Compliance Number(For Tracking)	EC/M/COMPLIANCE/685549378/2026
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.