# Half Yearly Compliance report

of

**Hindalco Industries Limited.**

Unit: Birla Copper, Dahej

for the period of

April 2026 to September 2026

Gujarat Industrial Development Corporation (GIDC),

Plot no. 2,10,11,109P and near road 6 (No plot number assigned)

Villages: Lakhigam & Dahej,

Post Office: Dahej, Tehsil: Vagra,

District: Bharuch, Gujarat - 392130

And

Letter Ref: HIL/BC/ENV/I/15178/2026-27/079

Date:16th November' 2026
PCB ID: 15178

**The Regional Office,**
Ministry of Environment Forests & Climate Change (MoEF & CC)
"KARMAYOGI BHAWAN" Block no -3, F-2 Wing Fifth Floor
Near CH-3 circle, Sector-10A, Gandhi Nagar-382010

**Sub: Half-Yearly EC Compliance report for the period from April'2026 to September'2026**

1. Environmental clearance letter no. J-11011/927/2008-IA-II (I) dated 23.02.2017
2. Environmental clearance letter no. J-11011/927/2008-IA-II (I) dated11.02.2009
3. Environmental clearance letter no. J-11011/220/2004-IA II (I) dated 18.03.2005
4. Environmental clearance letter no. J-11011/86/2002- IA II (I) dated 10.02.2004
5. Environmental clearance letter no. J-11011/81/2000- IA II (I) dated 08.01.2002
6. Environmental clearance letter no. J-11011/7/94- IA II dated 14.03.1995

**Respected Sir,**
With reference to the above subject, we are submitting herewith the Half Yearly EC Compliance Report along with the Environmental Monitoring Report for the period from **April'2026 to September'2026** of **Hindalco Industries Limited, Unit: Birla Copper, Dahej** for your kind perusal please.

The receipt of the report may kindly be acknowledged.

**Yours faithfully,**
**For Hindalco Industries Limited,**
**(Unit: Birla Copper, Dahej)**

**Krishnaraju Kumaravel**
**(President & Unit Head)**

Encl: as above
**CC:**

1. Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector -10 A, Gandhinagar - 382 010
2. Regional Officer, Gujarat Pollution control board, Bharuch 392001
3. Member Secretary, CPCB Parivesh Bhawan, East Arjun Nagar Delhi - 110032
4. Regional Director CPCB, Zonal office, Parivesh Bhawan, Atmajyoti Ashram Road, Opp. VMC office ward no.10 Subhanpura Vadodara-Gujarat-390023
5. The Director (Monitoring Cell), Ministry of Environment, Forest & Climate Change, IPB, Aliganj, Jorbagh Road, New Delhi – 110003

HINDALCO INDUSTRIES LIMITED
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Email hindalco@adityabirla.com
Corporate Identity No. L27020MH1958PLC011238

**For Hindalco Industries Ltd.**
**Unit: Birla Copper, Dahej**

**Status of compliance to conditions of Environmental Clearance No. J-11011/7/94 – IA II dated 14-03-1995**
**(Six Monthly Compliance Report from April-2026 to September-2026)**
Copper Smelter Project and Captive Jetty Facility, at Dahej, Bharuch district.

Manufacturing 1.0 lakh tonnes per annum of copper cathode based on imported copper concentrate to be received at proposed captive jetty (270mts x 270mts) at the distance of 2 km from shoreline. Further it has also been noted that by products like sulphuric acid (2,96,000 TPA), phosphoric acid (50,000 TPA), Silver (26 TPA), Gold (3 KG/annum) will also be produced.

| Sr. No | Details of condition | Compliance status |
|---|---|---|
| **i** | The project authority must strictly adhere to the stipulations laid down by the State Pollution Control Board and the State Govt. | **Complied.**<br>The unit has obtained a valid Consolidated Consent and Authorization from the Gujarat Pollution Control Board for carrying out its manufacturing activities.<br>The latest CCA copies of HIL and DHIL are attached as **Annexure-10.**<br>The unit complies with all specific and general conditions stipulated under the CC&A, including provisions related to air pollution control, water pollution control, and hazardous waste management. Compliance is maintained through adherence to the requirements of GPCB, the State Government, and other statutory authorities, ensuring effective environmental management and regulatory compliance. |
| **ii** | Any expansion of the plant either with the existing product mix or new products can be taken up only with the prior approval of this Ministry. | **Complied**<br>The condition is noted and shall be strictly complied with. Any expansion of the plant, whether involving the existing product mix or introduction of new products, will be undertaken only after obtaining prior approval from the Ministry and other concerned statutory authorities, as applicable. |
| **iii** | Comprehensive EIA report for the proposed copper smelter and captive jetty facilities should be submitted within 15 months. | **Complied.**<br>The Company submitted the Comprehensive Environmental Impact Assessment (EIA) Report for the proposed Copper Smelter and Captive Jetty Facilities on 25.08.1996 within the stipulated timeframe. The condition has been complied with. |

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| **iv** | The gaseous emissions from various process units should confirm to the standards prescribed by the concerned authorities from time to time. At no time the emission level should go beyond the stipulated standards. In the event of failure of any pollution control system adopted by the units, the respective unit should be put off operation immediately and should not be restarted until the control measures are rectified to achieve the desired efficiency. | **Complied.**<br>The gaseous emissions from various process units are maintained within the standards prescribed by GPCB/CPCB. Air Pollution Control Equipment (APCEs), including ESPs, baghouses, bag filters, and scrubbers, have been installed and are operated effectively to ensure emissions remain well within the stipulated norms. Process operations are interlocked with pollution control systems, and in the event of any failure of the pollution control equipment, the respective unit is immediately shut down and restarted only after the system is rectified and achieves the desired operating efficiency.<br><br>Environmental monitoring of stack emissions, ambient air quality, effluent quality, and noise levels is carried out regularly through a GPCB, MoEFCC, CPCB approved, NABL-accredited laboratory, M/s Green Leaf Envirotech Ltd. Approved copies of same is attached as **Annexure-1A** |

Stack emission monitoring data (average) for the period from **April-26 to Sept-2026** is given below: -

| | | SO2 | | NOx | | PM | |
|---|---|---|---|---|---|---|---|
| Sr No | Stack list at Birla Copper | GPCB Norms | Observed | GPCB Norms | Observed | GPCB Norms | Observed |
| | | | Value | | Value | | value |
| 1 | Dore furnace of PMR | 100 ppm | 53.08 | 50 ppm | 23.47 | 150 mg/Nm3 | 69.63 |
| 2 | Sulphuric acid Preheater I | 100 ppm | 68.60 | 50 ppm | 24.87 | 150 mg/Nm3 | 84.22 |
| 3 | Captive Power Plant (CPP-I) CFBC Boiler 35 MW | 600 mg/Nm3 | 299.91 | 600 mg/Nm3 | 142.17 | 150 mg/Nm3 | 69.89 |
| 4 | Shaft furnace of CCR plant-I | 100 ppm | ND | 50 ppm | ND | 150 mg/Nm3 | 84.23 |
| 5 | Shaft furnace of CCR -II | Removed | | | | | |
| 6 | Sulphuric acid Pre-heater-III | 100 ppm | 55.43 | 50 ppm | 30.38 | 150 mg/Nm3 | 78.30 |
| 7 | Captive Power Plant (CPP-II) AFBC Boiler 15.35 MW | Removed | | | | | |
| 8 | Captive Power Plant (CPP-III) CFBC Boiler 60 MW | 600 mg/Nm3 | 363.55 | 300 mg/Nm3 | 113.84 | 150 mg/Nm3 | 36.59 |
| 9 | Shaft furnace of CCR-III | 100 ppm | ND | 50 ppm | ND | 150 mg/Nm3 | 78.62 |
| 10 | Anode Casting of Smelter-I | 40 mg/Nm3 | ND | 25 mg/Nm3 | ND | 150 mg/Nm3 | 73.96 |
| 11 | Main stack Sec. Gas Scrubber of Smelter-I | 40 mg/Nm3 | 28.53 | NA | NA | NA | NA |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 12 | Main stack Slag Cleaning Furnace of Smelter-I | 40 mg/Nm3 | 29.74 | NA | NA | 150 mg/Nm3 | 77.47 |
| | 13 | Main Stack Sulphuric Acid plant - I | 2.0 kg/T of 100 % H2SO4 | 1.00 Kg/T | Acid Mist 25 mg/Nm3 | ND | NA | NA |
| | 14 | Cathode Stripping m/c plant-I of Ref-I | 40 mg/Nm3 | ND | NA | NA | NA | NA |
| | 15 | Anode scrap Washing Machine M/C of Ref-I | 40 mg/Nm3 | ND | NA | NA | NA | NA |
| | 16 | Liberator stack of Refinery-I | 40 mg/Nm3 | ND | Acid Mist 25 mg/Nm3 | ND | NA | NA |
| | 17 | Slag granulation of Smelter-I | NA | NA | NA | NA | 150 mg/Nm3 | 70.83 |
| | 18 | Steam Dryer of Copper Conc. of Smelter-I | 40 mg/Nm3 | ND | NA | NA | 150 mg/Nm3 | 70.69 |
| | 19 | Centralized Scrubbing System Smelter-III | 40 mg/Nm3 | 29.04 | NA | NA | 150 mg/Nm3 | 71.15 |
| | 20 | Sulphuric Acid plant – III (TGS Scrubber) | 1.0 kg/T of 100 % H2SO4 | 0.57 Kg/T | Acid Mist 25 mg/Nm3 | ND | NA | NA |
| | 21 | Cathode Stripping m/c plant-III of Ref-III | 40 mg/Nm3 | ND | NA | NA | NA | NA |
| | 22 | Liberator stack of Refinery-III | 40 mg/Nm3 | Nil | Acid Mist 25 mg/Nm3 | NA | NA | NA |
| | 23 | PMR Plant Phase -III | 40 mg/Nm3 | 28.93 | 25 mg/Nm3 | 14.44 | 150 mg/Nm3 | 72.43 |
| | 24 | DAP | Removed | | | | | |
| | 25 | Reactor (Phosphoric Acid plant) | Removed | | | | | |

Stack emission monitoring reports for the period from **April-26 to Sept-2026** is attached as **Annexure-1**

| | | |
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| v | Adequate number of ambient air quality monitoring station should be set up in the down wind direction as well as where maximum ground level concentration is anticipated, especially covering the human settlements for the estimation of particulates, fluoride dust SO2, etc. in consultation with the SPCB. Monitoring network should be designed taking into consideration the existing land-use pattern, location of stacks, meteorological condition and topographic features | **Complied.**<br><br>Four ambient air quality stations have been established, 02 in the downwind direction and 02 in upwind direction, where maximum ground level concentration of PM10, PM2.5, SO2 and NOx are anticipated. The ambient air quality report along with six monthly compliance reports are being regularly submitted to the government regulatory authority. This ensures continued compliance with stipulated environmental conditions.<br><br>Reports are being periodically furnished to GPCB, CPCB & MoEF & CC. Copy of AAQ Monitoring Report from the **April-26 to Sept-2026** is enclosed as **Annexure –2** |

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| | including existing ambient air quality data. | |

The monthly average ambient air quality data from by NABL accredited third party for the compliance period from April 2026 to Sept 2026 is tabulated below: -

| **Hindalco Industries Limited Unit: Birla Copper, Dahej AMBIENT AIR QUALITY AV. MEAN (µg/m3)** | | | | | |
|---|---|---|---|---|---|
| **Sr. No.** | **Monitoring Status** | **PM10** | **PM2.5** | **SO2** | **NOx** |
| 1 | Township | 54.87 | 39.96 | 35.29 | 14.84 |
| 2 | Jetty | 53.94 | 40.09 | 31.46 | 14.86 |
| 3 | Near Dahej Village | 58.17 | 41.06 | 35.80 | 15.43 |
| 4 | Near Lakhigam Village | 56.24 | 41.98 | 37.59 | 15.27 |
| | **Permissible Limit** | **100** | **60** | **80** | **80** |

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| **vi** | All the stacks of the plant must be provided with on-line stack emission monitoring equipment for the estimation of SO2, fluoride, SPM etc. Stack emission and ambient air quality data must be submitted to the State Pollution Control Board once in 3 months and once in 6 months to the Ministry of Environment and Forests along with statistical analysis and interpretation. | **Complied**<br><br>Please refer as given in condition no. iv and v.<br><br>Photograph of location-wise installation of CEMS is given below: |
| | | |



CEMS at SAP-1



CEMS at CCR-1



CEMS at CPP-1




CEMS at Smelter-1 Scrubber

Average CEMS monitoring reports for the period from **April-26 to Sept-2026** is given below: -

| Sr No | List of Stacks | SO2 | | NOx | | PM | |
|---|---|---|---|---|---|---|---|
| | | GPCB Norms | Observed Value | GPCB Norms | Observed Value | GPCB Norms | Observed Value |
| 1 | Dore furnace of PMR | 100 ppm | 1.04 | 50 ppm | 2.095 | 150 mg/Nm3 | 67.40 |
| 2 | Sulphuric Acid Preheater I | 100 ppm | 12.05 | 50 ppm | 32.07 | 150 mg/Nm3 | 12.89 |
| 3 | Captive Power Plant (CPP-I) CFBC Boiler 35 MW | 600 mg/Nm3 | 70.02 | 600 mg/Nm3 | 14.30 | 150 mg/Nm3 | 11.61 |
| 4 | Shaft furnace of CCR plant I | 100 ppm | 0.30 | 50 ppm | 32.69 | 150 mg/Nm3 | 119.42 |
| 5 | Shaft furnace of CCR-II | Plant not in operation | | | | | |
| 6 | Sulphuric acid Pre-heater-III | 100 ppm | 3.46 | 50 ppm | 6.56 | 150 mg/Nm3 | 1.77 |
| 7 | Captive Power Plant (CPP-II) AFBC Boiler 15.35 MW | Removed | | | | | |
| 8 | Captive Power Plant (CPP-III) CFBC Boiler 60 MW | 600 mg/Nm3 | 256.77 | 300 mg/Nm3 | 38.14 | 150 mg/Nm3 | 8.07 |
| 9 | Shaft furnace of CCR-III | 100 ppm | 17.45 | 50 ppm | 6.14 | 150 mg/Nm3 | 96.44 |
| 10 | Main stack Secondary Gas Scrubber of Smelter-I | 40 mg/Nm3 | 15.94 | NA | NA | NA | NA |
| 11 | Main stack Slag Cleaning Furnace of Smelter-I | 40 mg/Nm3 | 12.85 | NA | NA | 150 mg/Nm3 | 21.58 |

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|---|---|---|---|---|---|---|---|
| 12 | Main Stack Sulphuric Acid plant – I | 1250 mg/Nm3 | 195.71 | Acid Mist 25 mg/Nm3 | ND | NA | NA |
| 13 | Slag granulation of Smelter-I | NA | NA | NA | NA | 150 mg/Nm3 | 6.07 |
| 14 | Steam Dryer of Copper Conc. of Smelter-I | 40 mg/Nm3 | 3.91 | NA | NA | 150 mg/Nm3 | 34.80 |
| 15 | Centralized Scrubbing System Smelter-III | 40 mg/Nm3 | 1.34 | NA | NA | 150 mg/Nm3 | 14.14 |
| 16 | Sulphuric Acid plant – III (TGS Scrubber) | 950 mg/Nm3 | 37.92 | Acid Mist 25 mg/Nm3 | ND | NA | NA |
| 17 | Slag Cleaning Furnace (By-pass vent Smelter-I) | 40 mg/Nm3 | 4.77 | NA | NA | 150 mg/Nm3 | 1.46 |
| 18 | PMR Plant Phase -III | 40 mg/Nm3 | 2.64 | 25 mg/Nm3 | 0.323 | 150 mg/Nm3 | 60.59 |
| 19 | DAP | Removed | | | | | |
| 20 | Reactor (Phosphoric Acid plant) | Removed | | | | | |

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| **vii** | Fugitive emission of dust/mist vapors, fumes, SO2 and HC should be controlled, and work environment monitored for prevailing contaminants regularly. Fugitive dust generated during pyrite crushing screening and handling at various transfer points should be reduced to the minimum by installing adequate dust collection and extraction system and regularly monitored. | **Complied.**<br><br>The unit has implemented effective measures to control fugitive emissions from all the transfer points and other bulk materials are being transported using covered trucks and bulkers, preventing fugitive dust emission inside/outside the plant premises.<br>To mitigate fugitive dust emissions following measures are taken:<br><br>• RCC internal roads are in place to reduce dust generation.<br>• Hazardous waste is transported in covered trailers, eliminating fugitive emissions.<br>• Three high-volume mechanized road sweepers and nine portable mechanized sweepers are deployed for regular cleaning.<br>• Fly ash is transported through closed bulkers<br>• Other raw materials like lime, silica, are procured in covered trucks.<br>• 34 water sprinklers & wind screen are installed to suppress dust emissions during coal loading and unloading.<br><br>The captive jetty hopper equipped with bag filter ensures controlled unloading of imported copper concentrate, which is transferred through a closed pipe conveyor, minimizing spillage and airborne emissions.<br>There is no HC emission from the plant process. |

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| **viii** | Adequate scrubbing system must be provided to remove silica, fluoride, and rock phosphate dusts from flue gases. | **Not Applicable**<br><br>The Phosphoric Acid Plant and Fertilizer Plant have remained non-operational since April 2020 and dismantling is in process and the same has also been removed from the Consolidated Consent & Authorization (CC&A) vide consent no.155156 issued on 27.03.2026.<br><br>Hence, this condition is not applicable. |
| **ix** | There should be no change in the stack design without prior approval from the State Pollution Control Board and this Ministry. | **Complied.**<br>The condition is noted and shall be complied with. |
| **x** | An adequate number of effluent monitoring station must be set up in consultation with the State Pollution Control Board. If the effluent quality at any time exceeds the standards prescribed, the corresponding unit of the plant which is contributing to the excessive pollution level shall be immediately stopped from operating till the quality of pollutant discharged from the respective units are brought down to the required standards | **Complied.**<br><br>An online Continuous Effluent Quality Monitoring System (CEQMS) has been installed in consultation with the State Pollution Control Board for real-time monitoring of key effluent parameters such as pH, COD, BOD, and TSS. The IoT based system is connected to the CPCB server for continuous data transmission.<br><br>In the event of any deviation from the prescribed standards, immediate corrective actions are taken, including identification of the source of deviation and regulation/stoppage of the concerned process, wherever required, until the effluent quality is restored within the stipulated limits. |
| **xi** | The treated effluents should conform to the prescribed standards and be discharged into the sea at a point approved by the State Pollution Control Board and NIO, Goa. Efforts should also be made to recycle the treated effluents for green belt development to the maximum possible extent | **Complied.**<br><br>The treated effluent conforming to the prescribed standards is primarily reused. The surplus treated effluent is discharged into the deep sea through an HDPE pipeline equipped with a multi-port diffuser system at the approved outfall location (Lat. 21°42'00" N, long. 72°30'35" E), as recommended by the National Institute of Oceanography (NIO), Goa. Studies conducted by NIO have confirmed that the discharge does not adversely impact marine ecology or aquatic life.<br><br>The **Deep-Sea Discharge Approval** is enclosed as **Annexure-20**. In addition, biennial marine environmental monitoring is carried out through the **Gujarat Ecological Society (GES)** to assess the impact of the marine discharge on the surrounding ecosystem. The monitoring results indicate no adverse impact on marine water quality, sediment quality, plankton, benthos, or aquatic life due to the |

| | | |
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| | | discharge activity. Latest marine monitoring report is attached as **Annexure-20A**<br><br>The treated effluent consistently conforms to the prescribed standards, including Bio-Assay test requirements as per GPCB guidelines. Effluent quality is regularly monitored, and the monitoring reports are submitted to GPCB on a monthly basis and to the Ministry through six-monthly compliance reports.<br><br>Treated effluent monitoring is being conducted through the GPCB, CPCB & MoEF&CC approved, NABL-accredited laboratory – M/s. Green Leaf Envirotech Ltd. The Average treated effluent quality monitoring report for the period **April 2026 to September 2026** is summarized below. |

| Sr.No | Parameters | UOM | Apr-26 | May-26 | Jun-26 | Jul-26 | Aug-26 | Sep-26 | Treated Effluent analysis report Average (April-26 to Sept-2026) RO Reject | PERIMISSIBLE LIMIT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | pH | - | 7.95 | 7.83 | 7.65 | 7.78 | 7.84 | 7.94 | 7.83 | 5.5 to 9 |
| 2 | Temperature | °C | 30.80 | 30.66 | 30.97 | 30.91 | 30.83 | 30.86 | 30.84 | 45 °C |
| 3 | Colour | Units | 10.09 | 10.34 | 10.29 | 9.26 | 10.26 | 10.09 | 10.06 | 100 Units |
| 4 | Suspended Solids | mg/l | 19.65 | 19.18 | 18.70 | 19.47 | 19.31 | 19.64 | 19.33 | 100 mg/l |
| 5 | COD | mg/l | 35.55 | 34.39 | 32.05 | 35.64 | 34.83 | 36.85 | 34.89 | 100 mg/l |
| 6 | BOD (3 days at 27°C) | mg/l | 7.68 | 8.52 | 7.62 | 7.86 | 7.26 | 7.95 | 7.81 | 250 mg/l |
| 7 | Oil & Grease | mg/l | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 10 mg/l |
| 8 | Phenolic Compound | mg/l | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 5 mg/l |
| 9 | Ammonical Nitrogen | mg/l | 9.5 | 10.33 | 10.56 | 10.15 | 10.78 | 9.45 | 10.12 | 50 mg/l |
| 10 | Sulphides | mg/l | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | 5 mg/l |
| 11 | Cyanides | mg/l | ND | ND | ND | ND | ND | ND | Nil | 0.2 mg/l |
| 12 | Fluoride | mg/l | 1.88 | 2.33 | 2.03 | 2.21 | 2.36 | 1.90 | 2.12 | 15 mg/l |
| 13 | Hexa.Chromium | mg/l | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.1 mg/l |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 14 | Total Chromium | mg/l | 0.41 | 0.48 | 0.52 | 0.48 | 0.54 | 0.52 | 0.49 | 2 mg/l |
| 15 | Copper | mg/l | 0.25 | 0.28 | 0.27 | 0.29 | 0.25 | 0.26 | 0.27 | 3 mg/l |
| 16 | Nickel | mg/l | 0.04 | 0.10 | 0.09 | 0.08 | 0.07 | 0.09 | 0.08 | 5 mg/l |
| 17 | Zinc | mg/l | 0.36 | 0.27 | 0.28 | 0.27 | 0.28 | 0.31 | 0.29 | 15 mg/l |
| 18 | Mercury | mg/l | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.01 mg/l |
| 19 | Lead | mg/l | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 1 mg/l |
| 20 | Arsenic | mg/l | 0.04 | 0.058 | 0.055 | 0.050 | 0.056 | 0.004 | 0.04 | 0.2 mg/l |
| 21 | Cadmium | mg/l | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 2 mg/l |
| 22 | Insecticides /Pesticides | mg/l | Absent | Absent | Absent | Absent | Absent | Absent | Absent | Absent |
| 23 | Selenium | mg/l | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.05 mg/l |
| 24 | Bio Assay Test | % | 96.97 | 95.65 | 96.71 | 96.29 | 96.90 | 96.10 | 96.44 | 90% survival of fish after 96 hours in 100% effluent |

The monthly treated effluent quality monitoring report carried out by the GPCB, CPCB & MoEF&CC approved, NABL-accredited laboratory – M/s. Green Leaf Envirotech Ltd for the period from April-2026 to September-2026 is attached as **Annexure-5**

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| **xii** | The industry should provide separate drain for storm water, sanitary wastewater and process effluents and the entire layout plan for the above must have the approval of the State Pollution Control Board. | **Complied.**<br><br>A separate drain is provided for storm water, whereas sanitary wastewater is sent to the STP in a closed loop for treatment, the process effluent is sent to the effluent treatment plant in a closed pipeline for further treatment.<br><br>The storm water outfalls plan was submitted to GPCB on 03.06.1997, it is mentioned in 6-monthly EC compliance report dated 06.01.1999 submitted to MoEF&CC. Same is attached as **Annexure-20** |
| **xiii** | A guard pond must be constructed near the terminal end of all the effluents before final disposal of effluents. This pond must have two compartments of which one will be kept empty while the other will be operated as a routing guard pond. When the concentration of effluents is high in the final effluents, corrective measures should be taken at source and the | **Complied.**<br><br>A guard pond has been provided at the terminal end of the effluent disposal system. Two compartments are available for storage of treated effluent and are operated alternately, with one compartment always maintained in standby condition to ensure operational reliability.<br><br>Effluent quality is monitored, in the event of any abnormality or elevated pollution levels, immediate |

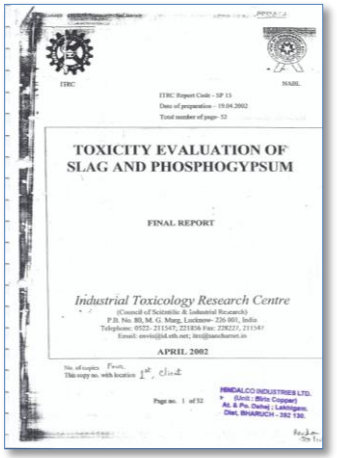
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| | effluent shall be discharged at a regulated rate after treatment, to conform to the prescribed standards. | corrective actions are initiated at the source and within the Effluent Treatment Plant (ETP) to prevent non-compliant effluent from reaching the final disposal point. This ensures that the treated effluent consistently conforms to the standards prescribed by the Gujarat Pollution Control Board (GPCB) prior to discharge. |
| **xiv** | Disposal site of Phosphogypsum, spent cathodes etc. should be impervious to avoid ground water contamination. These sites should have the approval of State pollution control Board. Adequate monitoring of the impounded sites (soil, surface, and ground water) should be carried out regularly and record maintained. | **Complied**<br><br>The Phosphoric Acid Plant and Fertilizer Plant have remained non-operational since April 2020, no Phosphogypsum is being generated. Further, the Phosphoric Acid Plant has been removed from the Consolidated Consent & Authorization (CC&A) vide Consent No. 155156 dated 27.03.2026. The Phosphoric Acid Plant is under dismantling.<br><br>The legacy Phosphogypsum stored in the yard has been completely evacuated dated 25th Aug 2025, and the site has been reclaimed under the supervision of NEERI.<br><br>Spent cathodes are stored on RCC floor along with permanent shed, to ensure no contamination of soil, surface and ground water. |
| **xv** | The radium content in the Jordan rocks proposed to be imported should be intimated to Ministry of Environment & Forests. | **Complied.**<br><br>The Phosphoric Acid Plant and Fertilizer Plant have remained non-operational since April 2020 and is under dismantling process. Hence, conditions is not applicable. |
| **xvi** | Spent Cathode should be enclosed in reinforced cement concrete vaults/ container before disposal. Recovery of carbon and fluoride from the spent cathode lining should be attempted. | Complied.<br><br>Spent cathodes are stored on RCC floor along with permanent shed.<br><br>The spent cathodes are completely recycled in the smelter and reused within the process. Therefore, separate recovery of carbon and fluoride from spent cathode lining is not required. |
| **xvii** | Fluoride levels in the ground water around the project site should be monitored on a regular basis and report | **Complied.** |

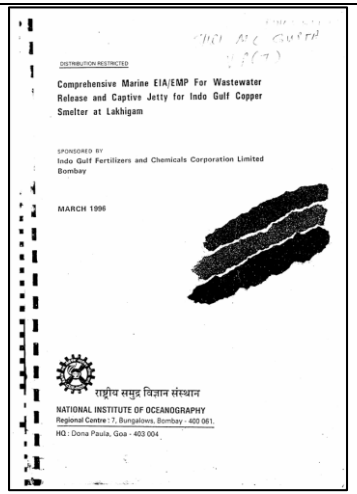
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| | submitted to this Ministry every 6 months. | Fluoride levels in groundwater around the project site are regularly monitored. The monitoring results are included in the **Six-Monthly EC Compliance Reports** submitted to **MoEF&CC**. The average groundwater monitoring analysis for the period from April 2026 to September 2026 is given below. |

| Sr. No | Sample | Landmark | pH | Copper mg/l | Arsenic mg/l | F mg/l | TDS mg/l | TSS mg/l | Mercury mg/l | Iron mg/l | Nickle mg/l | Lead mg/l | Chromium mg/l | Cadmium mg/l | Zinc mg/l |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | HP-01 | SLF-1 | 8.23 | ND | ND | 0.323 | 11851 | 44 | 0.012 | ND | ND | ND | ND | 0.001 | 0.51 |
| 2 | HP-02 | SLF-2 | 7.44 | ND | ND | 0.009 | 23816 | 47 | 0.010 | ND | ND | ND | ND | 0.002 | 1.01 |
| 3 | HP-03 | SLF-3 | 6.87 | ND | ND | 0.006 | 39017 | 99 | 0.009 | ND | ND | ND | ND | ND | 2.07 |
| 4 | HP-04 | Near Copper Slag yard | 7.28 | ND | ND | 0.056 | 33052 | 75 | 0.010 | ND | ND | ND | ND | ND | 1.54 |
| 5 | HP- 05 | SLF-4 | 7.80 | ND | ND | 0.210 | 7782 | 50 | 0.010 | ND | ND | ND | ND | ND | 1.88 |
| 6 | HP- 06 | SLF-7 | 7.46 | ND | ND | 0.048 | 25023 | 162 | 0.011 | ND | ND | ND | ND | ND | 1.71 |
| 7 | HP-07 | SLF-6 | 7.32 | ND | ND | 0.064 | 39299 | 108 | 0.012 | ND | ND | ND | ND | ND | 4.76 |
| 8 | HP-08 | SLF-6 | 8.61 | ND | ND | 0.091 | 4864 | 138 | 0.010 | ND | ND | ND | ND | ND | ND |
| 9 | HP- 08A | SLF-8A | 7.83 | ND | ND | 0.140 | 17644 | 121 | 0.011 | ND | ND | ND | ND | ND | 0.9 |
| 10 | HP- 08B | SLF-8B | 8.56 | ND | ND | ND | 8232 | 152 | 0.010 | ND | ND | ND | ND | ND | 3.91 |
| 11 | HP-09 | SLF-9 | 7.78 | ND | ND | 0.026 | 27110 | 114 | 0.010 | ND | ND | ND | ND | ND | 1.8 |
| 12 | HP- 10 | SLF-8B | 8.14 | ND | ND | 0.071 | 18688 | 71 | 0.011 | ND | ND | ND | ND | ND | 0.78 |
| 13 | HP- 11A | SLF-9 | 6.66 | ND | ND | ND | 58461 | 151 | 0.010 | ND | ND | ND | ND | ND | 0.36 |
| 14 | HP- 11B | SLF-9 | 6.28 | ND | ND | ND | 56873 | 87 | 0.010 | ND | ND | ND | ND | ND | 0.97 |

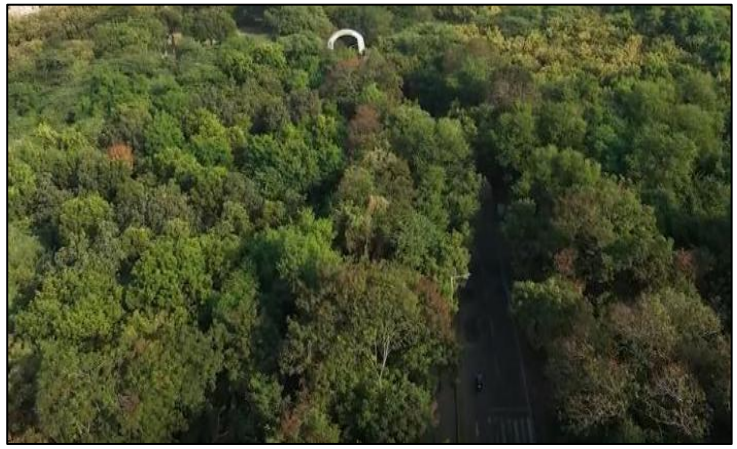
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| **xviii** | Detailed risk analysis should be carried out and inventories located in such a manner so as to contain the impact zone under the worst scenario within the plant boundary. The risk analysis should include Hazard identification using standard methods, fault tree analysis, reliability and failure analysis and worst scenario for MCA such as catastrophic failure of tanks | **Complied.**<br><br>A comprehensive Risk Analysis and Disaster Management Plan has been carried out for the facility. Hazard identification has been undertaken using the Maximum Credible Accident (MCA) Analysis methodology to assess potential worst-case scenarios and their impact distances. Based on the identified hazards, adequate preventive and mitigation measures have been implemented to ensure that the impact of any credible accident remains within the plant boundary to the maximum extent |

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| | and pipelines. The risk analysis report should be submitted in this Ministry for review within a period of one year. | practicable.<br><br>An On-site Emergency Plan has been prepared and is periodically reviewed, updated, and implemented for effective emergency preparedness and response. Regular mock drills are conducted to evaluate the effectiveness of the emergency response system and enhance preparedness.<br><br>The Risk and Disaster Management Plan has been submitted to the Ministry's Regional Office, GPCB, and CPCB. The latest copy of the plan is enclosed as **Annexure-9**. |
| **xix** | Efforts should be made to sell sulfuric Acid (H2SO4) to the maximum extent possible. The capacity of the proposed phosphoric acid plant should be reduced to half so that the quantity of Phosphogypsum generated is reduced. | **Complied.**<br><br>Efforts have been made to maximize the sale and utilization of Sulphuric Acid ($H_2SO_4$). Further, the Phosphoric Acid Plant has remained non-operational since April 2020 and dismantling is under progress. The same has been removed from the Consolidated Consent & Authorization (CC&A) vide Consent No. 155156 dated 27.03.2026.<br><br>As the Phosphoric Acid Plant is no longer in operation, there is no generation of Phosphogypsum. Therefore, the condition regarding reduction of phosphoric acid plant capacity to minimize Phosphogypsum generation is not applicable. |
| **xx** | Long term workable plan for utilization and disposal of Phosphogypsum should be worked out and report submitted to this Ministry for review within 10 months. | **Complied.**<br><br>The Phosphoric Acid Plant has remained non-operational since April 2020 and is currently under dismantling. Consequently, there is no generation of Phosphogypsum. The legacy Phosphogypsum stored in the yard has been completely evacuated, and the land has been reclaimed under the supervision of NEERI.<br><br>Hence, the requirement for submission of a long-term workable plan for utilization and disposal of Phosphogypsum is no longer applicable. |
| **xxi** | A study to assess the impact due to disposal of solid waste/sludge on land should be carried out and report submitted to this Ministry for review within 6 months. | **Complied.**<br><br>A study to assess the impact of disposal of solid waste/sludge on land was carried out by the Industrial Toxicology Research Centre (ITRC), Lucknow. The study report was submitted to the Ministry in April 2002. The findings of the study indicated that the disposal practices adopted by the unit did not result in any significant adverse impact on the surrounding environment. The front page of the report is |

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| | | enclosed below for reference.<br><br>In addition, the unit continues to monitor groundwater and soil quality around the plant premises as part of its environmental monitoring programme and reports the results in the prescribed compliance submissions.<br><br><br>ITRC Report Code - SP 15<br>Date of preparation - 19.04.2002<br>Total number of page- 52<br>ITRC NABL<br>TOXICITY EVALUATION OF SLAG AND PHOSPHOGYPSUM<br>FINAL REPORT<br>Industrial Toxicology Research Centre<br>APRIL 2002<br>HINDALCO INDUSTRIES LTD. |
| **xxii** | A study to assess the impact of the proposed pipeline for disposal of treated effluent should be carried out and reports submitted to this Ministry for review within 6 months. | **Complied.**<br><br>A study to assess the impact of the pipeline for disposal of treated effluent has been carried out by National Institute of Oceanography, Goa. The report is already submitted to the Ministry.<br><br>The report is attached as **Annexure no.21** |

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| **xxiii** | A community welfare scheme for improving the socio-economic environment should also be worked out and report submitted to this Ministry for review within 6 months. | **Complied.**<br><br>A Socio-economic study has been conducted in 12 villages, within 12 km radius of Birla Copper plant in Dahej , district Bharuch by M/s Fulcrum in August 2025, the same is attached as **Annexure-22**<br><br>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.<br><br>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.<br><br>The company has implemented a range of CSR activities focusing on health, education, skill development, women empowerment, and infrastructure development. Notable initiatives include:<br><br>• Healthcare: Regular monthly health camps benefiting local communities.<br><br>• Education: Support for schools, including infrastructure enhancement and scholarships. |

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<td>• Infrastructure: Construction of school buildings, sewage drainage in Lakhigam village, and provision of water supply to Dahej and Lakhigam.<br><br>• 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.<br><br>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 as under:<br><br>
<table>
<tr><th colspan="4">CSR data from April 2026 to Sept 2026</th></tr>
<tr><th>CSR data from April 2026 to Sept 2026</th><th>No. of Activities</th><th>Beneficiaries</th><th>No. of Villages Benefited</th></tr>
<tr><td>Education</td><td>2</td><td>14672</td><td>72</td></tr>
<tr><td>Health</td><td>30</td><td>4130</td><td>30</td></tr>
<tr><td>Sustainable livelihood</td><td>0</td><td>0</td><td>0</td></tr>
<tr><td>Social</td><td>3</td><td>21090</td><td>14</td></tr>
<tr><td>Others</td><td>0</td><td>0</td><td>0</td></tr>
<tr><td>Infrastructure development</td><td>0</td><td>0</td><td>0</td></tr>
<tr><td>Total</td><td>35</td><td>39892</td><td>116</td></tr>
</table>
</td>
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<tr>
<td>xxiv</td>
<td>The project authorities must submit on-site/off-site emergency preparedness plan based on detailed risk analysis. Approval from the nodal agency should be obtained for the above plan.</td>
<td>Complied.<br><br>The on-site/off-site emergency preparedness plan based on detailed risk analysis is carried out and obtained approval of required nodal agency. The condition is complied with.<br><br>Acknowledged copy of Onsite emergency plan is attached as Annexure-9</td>
</tr>
</table>

| | | |
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| **xxv** | All recommendations made in the EMP based on comprehensive EIA report and detailed risk analysis reports should be implemented. | **Complied.**<br><br>The recommendations made in the EMP based on comprehensive EIA report by Tata Consultancy services are implemented. |
| **xxvi** | A detailed green belt development plan should be submitted to this Ministry for review within 3 months. The proposed green belt design should have scientific basis and plant species identified should be indigenous and not exotic varieties. | **Complied.**<br><br>A well-developed greenbelt has been established all along the periphery as well as within the plant premises to enhance the environmental quality. The existing greenbelt covers approximately 123.50 Ha out of the total plant area of 341.65 Ha, comprising about 240055 trees within the plant premises. Additionally, approximately 3,000 trees have been planted outside the plant premises near the Material Gate and adjoining areas.<br>Plant species have been selected in consultation with the District Forest Officer (DFO) and in line with CPCB guidelines, with preference given to native and pollution-tolerant species. Continuous plantation, gap-filling, maintenance, and survival monitoring activities are undertaken to further strengthen the greenbelt.<br>Photographs of the greenbelt development are provided below for reference |
| | <br>Greenbelt near Township | <br>Greenbelt near Material gate |



New Plantation in township



Plantation outside plant boundary



Plantation near coal yard



Plantation near Township gate

The details of year-wise green belt plantation is given below: -

| Year of Plantation | Location | No. of Trees planted | Survival Rate (%) | No. of plants survived | Area covered in plantation (Ha) |
|---|---|---|---|---|---|
| Till FY20 | Plant & Township | 219905 | 87% | 191317 | 106.29 |
| FY-21 | | 1972 | 85% | 1676 | 0.93 |
| FY-22 | | 7905 | 82% | 6482 | 3.6 |
| FY-23 | | 2912 | 90% | 2621 | 1.46 |
| FY-24 | | 15378 | 89% | 13686 | 7.6 |
| FY-25 | | 3242 | 90% | 2918 | 1.62 |
| FY-26 | | 21741 | 85% | 18480 | 2.0 |
| FY-27 | | 3382 | 85% | 2875 | Gap filling |
| Total till Sept-26 | | 276437 | 87% | 240055 | 123.50 |

Species:- Ailanthus excelsa, Azadirachta indica, Cassia fistula, Casuarina equisetifolia, Ceiba pentandra, Dalbergia sissoo, Ficus bengalensis, Ficus elastica, Ficus religiosa, Pandanus species, Peltophorum ferruginium, Pithecellobium dulce, Plumeria alba, Polyalthea longifolia, Samania saman, Tamarindus indica, Terminalia cuttapa, Thespesia populnea etc

**xxvii** The project authorities must set up laboratory facilities for collection and analysis of samples under the supervision of competent technical personnel who will report directly to the Chief Executive.

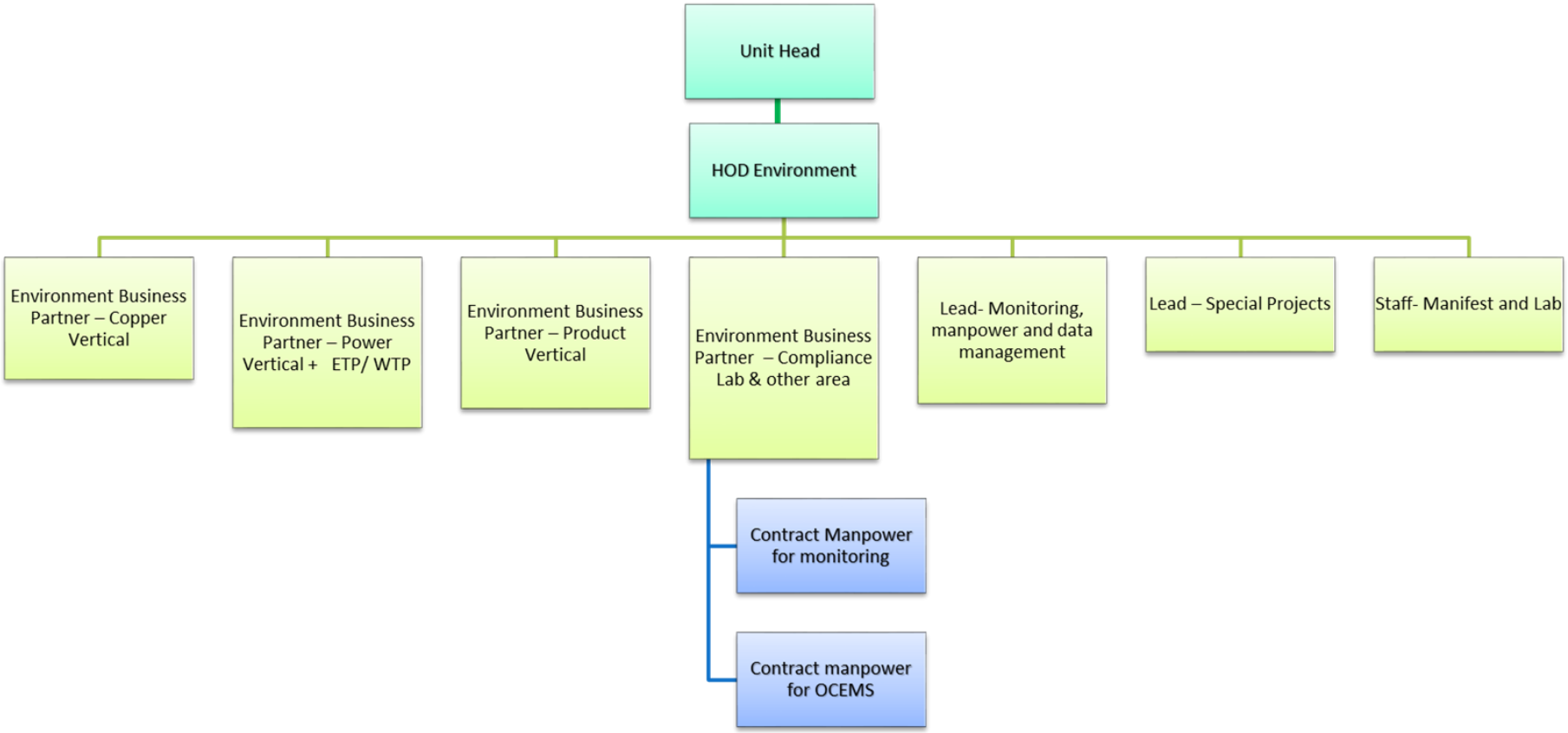
**Complied.**

A full-fledged separate Environmental Laboratory is set up and equipped with all necessary instruments/ equipment's. The following equipment and consumable are available in the laboratory:

| Sr.No. | Environment Monitoring Equipment | Sr.No. | Environment Monitoring Equipment |
|---|---|---|---|
| 1 | CAAQMS (04) | 11 | OCEMS (36) |
| 2 | Atomic Absorption Spectrophotometer | 12 | Automatic Weather station |
| 3 | PM2.5, PM10 Combo | 13 | Stack Monitoring Kit (2) |
| 4 | Noise Level monitors (02) | 14 | Handheld SO2, NH3, HF |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | | | and VOC analyser | |
| | | | 5 | Multi gas Analyzer (SO2, NOx, CO2, HC, O2, and CO) | 15 | Ion selected Fluoride analysers | |
| | | | 6 | Spectrophotometer (visible range) | 16 | BOD incubator | |
| | | | 7 | COD reflux set up | 17 | Single pan balance | |
| | | | 8 | Relevant chemicals as per IS 5182 | 18 | Hot Air Oven | |
| | | | 9 | Stopwatch | 19 | Thermometer | |
| | | | 10 | PH Meter | 20 | Titration set | |

# ENVIRONMENTAL MANAGEMENT CELL



<table>
<tr><td>xxviii</td><td>A separate Environmental Management Cell with suitable qualified people to carry out various functions should be set up under the control of senior executive who will report directly to the Head of the Organization.</td><td>Complied.<br><br>A separate Environmental Management Cell is established headed by suitable qualified person, who reports to President & Unit Head.<br><br>Kindly refer the reply of condition no. xxvii. The condition is complied with</td></tr>
<tr><td>xxix</td><td>The funds earmarked for the environmental protection measures should not be diverted for any other purpose and year wise expenditure should be reported to the Ministry.</td><td>Complied.<br><br>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 MoEF&CC and the State Government. The implementation of these measures has been successfully carried out, ensuring compliance with regulatory requirements.<br><br>The total year wise capital and recurring expenditure incurred on key environmental infrastructure includes:
<table>
<tr><th>Year</th><th>Capital Cost in lacs. (Cumulative)</th><th>Recurring Cost in Lacs.</th></tr>
<tr><td>2017-18</td><td>16357</td><td>7767.45</td></tr>
<tr><td>2018-19</td><td>30137</td><td>9984.0</td></tr>
<tr><td>2019-20</td><td>30137</td><td>9782.39</td></tr>
<tr><td>2020-21</td><td>38806</td><td>8536.75</td></tr>
<tr><td>2021-22</td><td>38806</td><td>13319.39</td></tr>
<tr><td>2022-23</td><td>38806</td><td>13578.52</td></tr>
<tr><td>2023-24</td><td>42357</td><td>14703.71</td></tr>
<tr><td>2024-25</td><td>42357</td><td>11486.88</td></tr>
<tr><td>2025-26</td><td>42357</td><td>14178.67</td></tr>
<tr><td>2026-27</td><td>50607</td><td>14290.22</td></tr>
</table></td></tr>
<tr><td></td><td colspan="2">The company has incurred capital cost of Rs 506.0715 crore and recurring cost Rs. 142.902 crore (in FY26-27) implement the conditions stipulated by the Ministry of Environment & Forests as well as the State Government. The details of amount incurred is as under:</td></tr>
</table>

Detailed break up of capital cost (up to FY26-27) is given below: -

| Capital Cost for Environmental Control Measures till date | | |
|---|---|---|
| **Sr no** | **Item** | **Total in lacs** |
| 1 | Dryer bag filer & dedusting system | 669 |
| 2 | Alkali Scrubber Smelter-1 | 8500 |
| 3 | Water Cool hood Smelter-1 Converter 1,2 &3 | 1770 |
| 4 | Ventilation hood from S & C furnace & bag house | 150 |
| 5 | ESP's of smelter-III | 518 |
| 6 | ESP's of CPP | 400 |
| 7 | Alkali Scrubber of Smelter –III | 694 |
| 8 | Effluent Treatment –II | 1000 |
| 9 | Sewage Treatment Plant-II | 100 |
| 10 | Sulphuric Acid Plant –III | 8595 |
| 11 | Tail Gas Scrubber SAP-III | 3466.69 |
| 12 | SLF for ETP waste | 700 |
| 13 | PG, slag & Fly ash yard- for Phase-III | 2000 |
| 14 | Bag filters for CHP CPP-III and ash management | 800.38 |
| 15 | Liberator scrubber | 141 |
| 16 | PMR plant Bag filter | 50 |
| 17 | Fluorine scrubbing system in PAP-III | 203.08 |
| 18 | Scrubbing system for DAP-III plant | 300 |
| 19 | Green belt development | 600 |
| 20 | Tertiary Water Recycling Unit | 6754 |
| 21 | Wind fencing for coal yard | 1395 |
| 22 | SLF9 for ETP waste | 3551 |
| 23 | PS Convertor replacement & upgradation | 7750 |
| 24 | VOC Analyser | 62 |
| 25 | Smelter-1 and SAP-1 Off gas management | 401 |
| 26 | IOT based data logger | 33 |

| | | |
|---|---|---|
| 27 | Mist Cannon | 12 |
| 28 | Automatic weather monitoring | 2 |
| 29 | LED Display board | 4 |
| | Total in Lakhs | 50621 |
| | Total in crore | 506.21 |

The detailed break-up of Recurring cost for FY26-27 is given below:-

| Sr.No. | Details | Expenditure (in Lacs. Rs.) for period of April-26 to -26 |
|---|---|---|
| 1 | Effluent Treatment Plant (main) | |
| | (a) Chemical Consumption | 2845.04 |
| | (b) Repair and Maintenance | 138.07 |
| | (c) Electrical Cost | 22.03 |
| | (d) Secured land fill facility | 438.43 |
| | (e) ETP Waste handling and compaction | 382.51 |
| 2 | Solid Waste Management | |
| | (a) Gypsum handling & compaction | 1274.00 |
| | (b) Slag & ash handling | |
| 3 | Sulphuric Acid Plants | |
| | (a) Consumption of chemical, fuel, etc. | 4920.13 |
| | (b) Repair and Maintenance | 2064.30 |
| | (c) Electrical Cost | 25.28 |
| 4 | Environmental Monitoring and Studies | 44.38 |
| | Environmental Revenue expenditure | 111.554 |
| 5 | Smelter, Refinery & PMR plant | |
| | (a) Bag filter replacement | |
| | (b) Scrubber operation | 986 |
| | (c) ESP operation | 16 |

| | | | | | |
|---|---|---|---|---|---|
| | | | (d) Bag filter, Scrubber & ESP Smelter-3 | 442.85 | |
| | | | (e) PMR plant | 30 | |
| | | | Concentrate Dryer Bag Filter Cost | 6 | |
| | | 6 | Captive Power Plants | | |
| | | | (a) ESP, I D fan & Ash handling operation | 416.61 | |
| | | 7 | Horticulture / green belt work | 127.03 | |
| | | | Total | 14290.22 | |

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| **xxx** | Proposed Jetty and the related infrastructure should be in conformity with the provisions of the Coastal Regulation Zone. | **Complied.**<br><br>The Jetty and the related infrastructure are in conformity with the provisions of the Coastal Regulation Zone Notification -2011 and amended thereof.<br><br>The related permission for Jetty construction is attached as **Annexure-22** |
| **xxxi** | Screening of pollutants in the harbor waters should be taken up by the project authorities and periodical monitoring reports on water quality parameters must be forwarded to this Ministry at six monthly intervals. | **Complied.**<br><br>Monitoring of treated effluent quality is carried out on a monthly basis through NABL-accredited laboratories, and the monitoring reports are regularly submitted to the concerned regulatory authorities. The treated effluent consistently conforms to the prescribed standards. The treated effluent analysis reports for the compliance period **April 2026 to September 2026** are enclosed as **Annexure-5**.<br><br>In addition, marine environmental monitoring is carried out through Gujarat Ecological Society (GES), Vadodara, to assess the impact of deep-sea discharge on the marine environment. The study includes monitoring of marine water quality, sediment quality, plankton, benthos, and other ecological parameters. The monitoring results indicate no adverse impact on the marine ecosystem due to the treated effluent discharge. The latest marine monitoring report is enclosed as **Annexure-23**. |
| **xxxii** | A comprehensive disaster Management Plan considering worst-case disaster scenarios with respect to specific cases like oil/ chemical spills, fire/explosion, terrorist attack, flood, etc. Spelling out definite/adequate measures to be taken to prevent | A comprehensive disaster Management Plan prepared, considering worst case disaster scenarios with respect to specific cases like oil/ chemical spills, fire/explosion, terrorist attack, flood, etc. and adequate measures are taken to prevent and contain such disasters accordingly. The reports prepared and submitted to the Ministry dated August 1997.<br><br>Latest copy is attached as **Annexure-21** |

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| | and contain such disasters. A report on this must be forwarded to this Ministry within six months from the date of issue of the environmental clearance. | Please refer to **condition xviii and xxiv** |
| **xxxiii** | To prevent discharge of sewage, bilge wastes and other liquid wastes into the marine environment, adequate system for collection, treatment and disposal of liquid wastes including shoreline interceptor for receiving liquid wastes from all shoreline installations and special hose connection for ships to allow for discharge of sewage must be provided. | **Complied**<br><br>Adequate measures are taken for collection, treatment and disposal of liquid waste including shoreline interceptors to prevent discharge into the marine environment.<br><br>We have a dedicated sewage treatment plan and provision for sewage collection from ships. The collection and treatment are carried out as and when required, depending on the request received from ships. No such request received during the period from April 26 to September 2026. |
| **xxxiv** | Appropriate devices such as oil water separator, oil monitor, oil skimmer etc. must be provided to remove all floatable material including oil spills while re-fueling the vessels, because of operations of cargo handling equipment and allied machinery, cranes, tractors etc. to tackle the oil pollution in the port area and marine environment. | **Complied.**<br><br>Oil spillage contingency plan has been prepared along with five other nearby jetties in Dahej region and according to the available plan, appropriate devices such as Oil spill dispersant, Oil skimming pads, Portable Oil spill dispersant pumps etc. are provided to remove all floated material. Also dedicated oil spillage kits are available at the jetty platform for emergency oil spillage control. |
| **xxxv** | Proper firefighting arrangements must be ensured by providing adequate number of fire hydrants in free prone areas. The entire firefighting line must be maintained under pressure through jockey pumps for appropriate volume of dead storage water must be ensured for this purpose. The employees must be kept alert and trained to combat fire by conducting regular fire drills to keep these facilities in working conditions. | **Complied.**<br><br>Adequate firefighting arrangement is provided in plant as below:<br>• All plants/ facilities are connected with fire Hydrant system, kept under pressure to control any fire / emergency.<br>• A water sprinkler system is provided in the Fuel storage area.<br>• Three Fire tenders are placed.<br>• Fire extinguishers are installed within the plants.<br>• Fire Alarm system and smoke detection system are installed.<br>• Availability of Safety shower, Breathing Apparatus sets, Air Line Respirator, Life Jackets, Aluminum fire entry suits, Fire Proximity suits, etc.<br>• Personal Protective Equipment's like Helmet, safety shoes, safety goggles, etc., to all employees. |

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| | | • Regular training for safe working and firefighting is provided.<br>• Regular fire drills/mock drills are conducted. |
| **xxxvi** | The quality of treated effluents, solid wastes, emissions and noise levels etc. must conform to the standards laid down by the competent authorities including central/state Pollution control board and under the Environment (Protection) Act, 1986, whichever are more stringent. | **Complied.**<br><br>Regarding the solid waste management-wet waste and dry waste is segregated in plant premises. Wet waste is sent to in house biogas plant for biogas generation and utilization in guest house kitchen and waste slurry generated from biogas plant is collected and used as manure for green belt development. Dry waste such as plastic, e waste and general domestic waste after segregation are sent to authorized vendors.<br><br>The noise levels are being monitored identified locations and report is being submitted to GPCB on monthly basis. Noise monitoring report by GPCB, CPCB, MoEF&CC approved and NABL accredited laboratory for the period from April 2026 to September 2026 is attached as Annexure-<br><br>The qualities of treated effluents - kindly refer compliance of condition no.” x”. The emissions conformity - kindly refer compliance of condition no.” iv”. All the above is submitted to GPCB, MOE&CC on six monthly basis. |
| **xxxvii** | The project authority should take necessary measures to avoid adverse impact on marine life in consultation with the Zoological Survey of India. | **Complied.**<br><br>The study is being carried out by an expert agency approved by the Government of Gujarat to avoid adverse impact on marine life once in every two years.<br><br>The latest report is attached as **Annexure-23**. |
| **xxxviii** | The project authority should take approval of State Pollution Control Board for the proposed dumping site within the plant area and provide proper lining of the area. | **Complied.**<br><br>The Company has already taken approval from the State Pollution Control Board for the dumping sites within the plant area vide notification no. GPCB/HAZ/GEN-55 (8)/ 42131 dated 01.12.2000 attached as **Annexure-18.** The unit has provided proper lining at disposal site. |

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| **xxxix** | With respect to the facilities, if any to be provided within 500 mts. If HTL, the directions issued by the Supreme Court on 12.12.1994 in respect of Writ Petition No.664/93 and 561/94 should be complied with. In view of this no construction work pertaining to jetty etc. within 500 mt of HTL should be undertaken. | **Complied.**<br><br>The unit is complying with the direction issued dated 12.12.1994 from Hon'ble Supreme court in respect of petition no-664/93 and 561/94. |

***Hindalco Industries Limited***

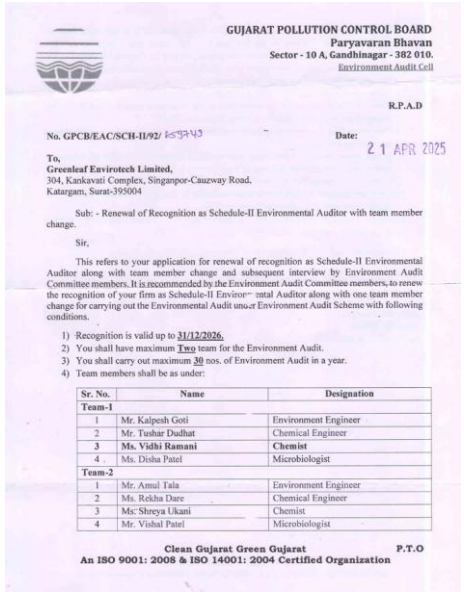
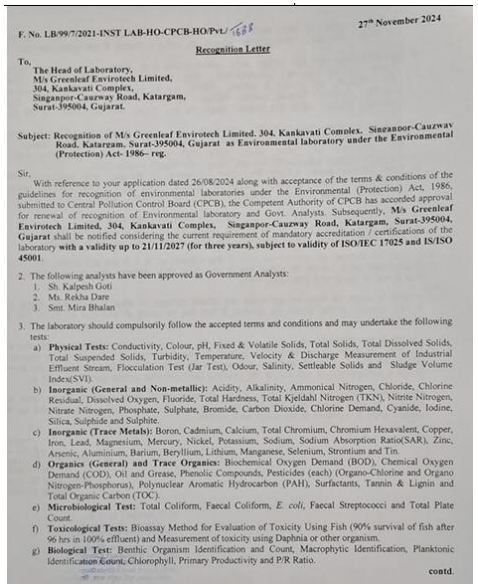
***Unit: Birla Copper, Dahej***

**Compliance to conditions of Environmental Clearance No. J-11011/81/2000-I (A) II (I) dated 8th January 2002**

**(Six monthly compliance report from April-26 to September-26)**

Copper Smelter expansion and Copper foil plant by M/s Indo Gulf Corporation Limited at Dahej, District Bharuch.
The expansion proposal is for increasing the capacity of copper smelter plant from 1.0 lakh TPA to 1.50 lakh TPA.

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| **A** | **SPECIFIC CONDITIONS** | |
| **01** | The conditions stipulated by MoEF while according to environmental clearance J-11011/ 07/94-I(A)II (I) dated 14-03-1995 should be strictly implemented. | **Complied.**<br><br>There are 39 conditions stipulated in environmental clearance issued by the Ministry Vide Letter No. J-11011/ 07/94-I(A)II (I) dated 14-03-1995. The total conditions are complied with. |
| **02** | The ambient air quality data around the plant show a declining trend with respect to all the parameters. Procedure of sampling and analysis may be get checked through other referral environmental laboratory for confirmation and the data submitted to the Ministry / GPCB / RO Bhopal for records, within six months. | **Complied.**<br><br>Four ambient air quality stations have been established, 02 in the downwind direction and 02 in upwind direction, where maximum ground level concentration of PM10, PM2.5, SO2 and NOx are anticipated.<br>The ambient air quality report along with six monthly compliance reports are being regularly submitted to the government regulatory authority. This ensures continued compliance with stipulated environmental conditions.<br><br>Reports are being periodically furnished to GPCB, CPCB and MoEF & CC. Copy of AAQ Monitoring Report from the **April-26 to Sept-2026** is enclosed as **Annexure –2**<br><br>Please note that Ministry Regional Office for Hindalco, Birla Copper is in Gandhinagar |
| | | |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| |  |   |
| | Lab recognition letter from GPCB | Lab recognition letter from CPCB Lab NABL Accreditation certificate |
| **3** | The 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 confirm to the standards including Bio-Assay test as per the GPCB. The monitoring report should be submitted to the ministry regularly. | **Complied.**<br><br>The treated effluent conforming to the standards is re utilised for industrial purpose. Additional treated effluent is discharged into the deep sea through a HDPE pipeline having multiple diffuser system at a point located at latitude 21° 42'0', long 72° 30'35", as recommended by National Institute of Oceanography, Goa.<br><br>The treated effluent conforms to the standards including Bio-Assay test as per the GPCB guidelines. The monitoring report is submitted regularly to GPCB (Monthly) & Ministry (Six months). The quality of treated effluent for the period of April-2026 to September-2026 is as under: |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|

| Sr.No | Parameters | UOM | Apr-26 | May-26 | Jun-26 | Jul-26 | Aug-26 | Sep-26 | Treated Effluent analysis report Average (April-26 to Sept-2026) RO Reject | PERIMISSIBLE LIMIT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | pH | - | 7.95 | 7.83 | 7.65 | 7.78 | 7.84 | 7.94 | 7.83 | 5.5 to 9 |
| 2 | Temperature | °C | 30.80 | 30.66 | 30.97 | 30.91 | 30.83 | 30.86 | 30.84 | 45 °C |
| 3 | Colour | Units | 10.09 | 10.34 | 10.29 | 9.26 | 10.26 | 10.09 | 10.06 | 100 Units |
| 4 | Suspended Solids | mg/l | 19.65 | 19.18 | 18.70 | 19.47 | 19.31 | 19.64 | 19.33 | 100 mg/l |
| 5 | COD | mg/l | 35.55 | 34.39 | 32.05 | 35.64 | 34.83 | 36.85 | 34.89 | 100 mg/l |
| 6 | BOD (3 days at 27°C) | mg/l | 7.68 | 8.52 | 7.62 | 7.86 | 7.26 | 7.95 | 7.81 | 250 mg/l |
| 7 | Oil & Grease | mg/l | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 10 mg/l |
| 8 | Phenolic Compound | mg/l | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 5 mg/l |
| 9 | Ammonical Nitrogen | mg/l | 9.5 | 10.33 | 10.56 | 10.15 | 10.78 | 9.45 | 10.12 | 50 mg/l |
| 10 | Sulphides | mg/l | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | 5 mg/l |
| 11 | Cyanides | mg/l | ND | ND | ND | ND | ND | ND | Nil | 0.2 mg/l |
| 12 | Fluoride | mg/l | 1.88 | 2.33 | 2.03 | 2.21 | 2.36 | 1.90 | 2.12 | 15 mg/l |
| 13 | Hexa.Chromium | mg/l | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.1 mg/l |
| 14 | Total Chromium | mg/l | 0.41 | 0.48 | 0.52 | 0.48 | 0.54 | 0.52 | 0.49 | 2 mg/l |
| 15 | Copper | mg/l | 0.25 | 0.28 | 0.27 | 0.29 | 0.25 | 0.26 | 0.27 | 3 mg/l |
| 16 | Nickel | mg/l | 0.04 | 0.10 | 0.09 | 0.08 | 0.07 | 0.09 | 0.08 | 5 mg/l |
| 17 | Zinc | mg/l | 0.36 | 0.27 | 0.28 | 0.27 | 0.28 | 0.31 | 0.29 | 15 mg/l |
| 18 | Mercury | mg/l | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.01 mg/l |
| 19 | Lead | mg/l | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 1 mg/l |
| 20 | Arsenic | mg/l | 0.04 | 0.058 | 0.055 | 0.050 | 0.056 | 0.004 | 0.04 | 0.2 mg/l |
| 21 | Cadmium | mg/l | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 2 mg/l |

| Sr. No | EC Condition | | | | Compliance Status | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 22 | Insecticides /Pesticides | mg/l | Absent | Absent | Absent | Absent | Absent | Absent | Absent | Absent |
| 23 | Selenium | mg/l | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.05 mg/l |
| 24 | Bio Assay Test | % | 96.97 | 95.65 | 96.71 | 96.29 | 96.90 | 96.10 | 96.44 | 90% survival of fish after 96 hours in 100% effluent |

Treated effluent monitoring is being conducted through the GPCB & MoEF&CC approved, NABL-accredited laboratory – M/s. Green Leaf Envirotech Ltd.

The treated effluent monitoring report from the NABL accredited laboratory for the compliance period April-2026 to Sept-2026 is attached as **Annexure-5**

| | | |
|---|---|---|
| **04** | The company should also set up a separate online fish pond using treated effluent to ensure that the quality of treated effluent discharged into the sea does not have any adverse impact on marine life. The effluent quality at the marine discharge point must also be monitored periodically by an independent agency authorized by CPCB and report of the independent agency should be submitted to the ministry's regional office at Bhopal / CPCB / GPCB. | **Complied.**<br><br>Kindly refer point No.3.<br>A separate fishpond has been prepared to ensure the quality of treated effluent; We have installed a IoT based Continuous Effluent Quality Monitoring System for real-time monitoring of effluent parameters such as pH, COD, BOD, and TSS at the final outlet of the deep-sea discharge system, and the data link is connected to the CPCB server for continuous online monitoring. Additionally, treated effluent monitoring is being conducted through the GPCB, CPCB & MoEF&CC approved, NABL-accredited laboratory – M/s. Green Leaf Envirotech Ltd. |
| **05** | The industry should develop within three months a new secured landfill site of disposal of ETP sludge and the hazardous wastes as per the CPCB guidelines. Authorization under the hazardous wastes (Managements & handling) Rules, 2000 from the GPCB should be obtained. | **Complied.**<br><br>Hindalco Industries Limited (Unit Birla copper) has developed a secure land fill site for disposal of ETP sludge and the hazardous waste as per the CPCB guidelines. The company has also obtained authorization under the Hazardous other waste (Managements & handling) Rules, 2000 from the GPCB vide letter No GPCB/HAZ/GEN-55(8)/42131 dated. 01.12.2000. The letter is attached as **Annexure-18** |
| **06** | Adequate facilities and safety measures, including protective clothing for personnel working in the critical | **Complied.** |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| | areas, e.g., in the anode casting area, must be strictly explored. The company should get an occupational health and safety study done through NIOH, Ahmedabad and submit a report to the ministry within one year. The recommendations of the study must be implemented by the company. | Adequate facilities and safety measures including protective clothing for personnel working in critical areas are implemented. The PPEs provided include safety helmets, safety goggles, specialized molten metal handling gloves, gas masks/respirators, flame-resistant (FR) jackets, and aluminized suits for protection against molten metal splashes and radiant heat exposure.<br><br>The company conducted occupational health and safety study by NIOH, Ahmedabad in the year of Feb-2005 and the report is submitted to the Ministry.<br><br>All the recommendations have been implemented. |
| **07** | Green belt of adequate width and density in 36 ha of project area in addition to the 40 ha of area already afforested should be provided to mitigate the effects of fugitive emission all around the plant. The development of green belt along the boundary walls, open space and avenue roads should be as per the CPCB guidelines. | **Complied.**<br>A well-developed greenbelt has been established around the plant boundary and within the project premises to mitigate fugitive emissions and improve the local environment. The total greenbelt area developed is approximately 123.5 ha, exceeding the stipulated requirement of 106.11 ha, with around 240,055 trees planted within the plant premises. Additionally, about 3,000 native tree saplings were planted outside the plant near the Material Gate and adjoining areas during September 2026.<br>The plantation has been carried out using native and pollution-tolerant species in consultation with the Divisional Forest Officer (DFO) and in accordance with CPCB guidelines. Regular plantation drives, gap-filling activities, maintenance, irrigation, and survival monitoring are being undertaken to further strengthen and sustain the greenbelt. Photographs are enclosed below for reference.<br><br>Photograph of green belt development is given below: |
| | | |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| |  Greenbelt near Township |  Greenbelt near Material gate |
| |  New Plantation in township |  Plantation outside plant boundary |

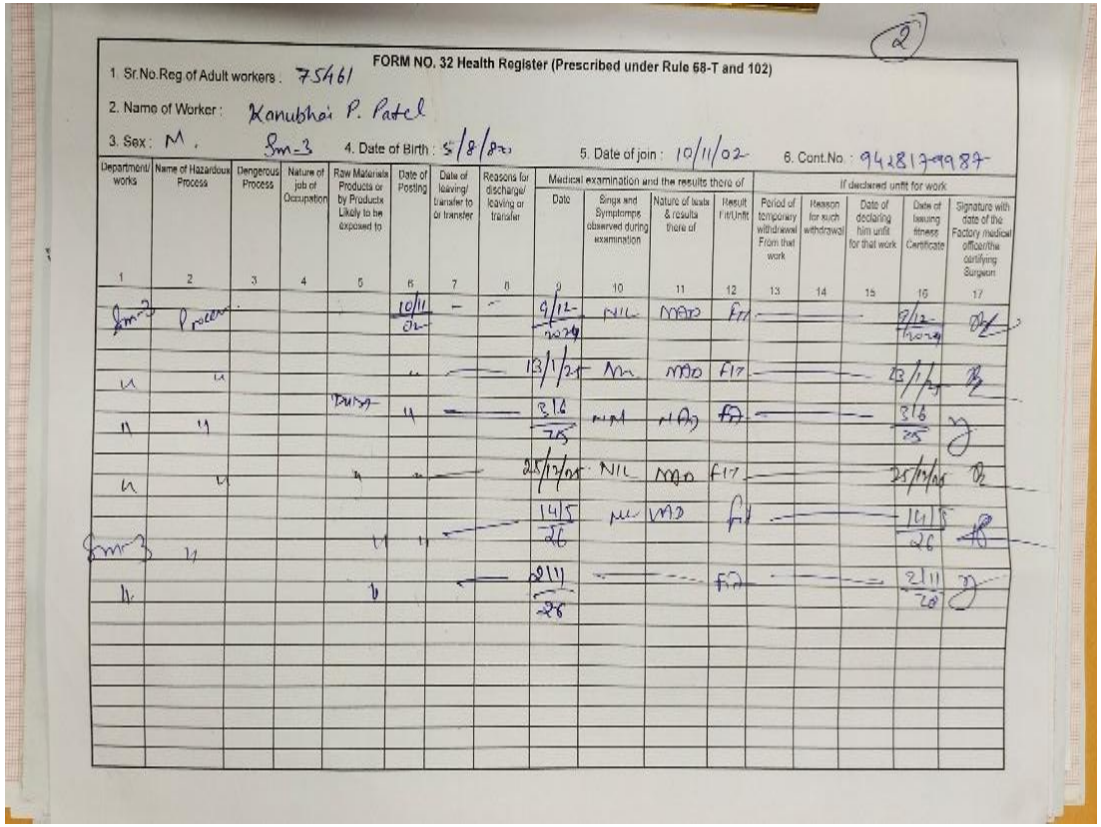
<table>
<tr><th>Sr. No</th><th>EC Condition</th><th>Compliance Status</th></tr>
<tr><td></td><td colspan="2"><br>Plantation near coal yard<br><br>Plantation near Township gate</td></tr>
<tr><td></td><td colspan="2">The details of year-wise green belt plantation is given below: -
<table>
<tr><th colspan="7">Greenbelt Development Status of Plant & Township</th></tr>
<tr><th>Year of Plantation</th><th>Location</th><th>No. of Trees planted</th><th>Survival Rate (%)</th><th>No. of plants survived</th><th>Area covered in plantation (Ha)</th><th>Plant Species Detail</th></tr>
<tr><td>Till FY20</td><td rowspan="9">Plant & Township</td><td>219905</td><td>87%</td><td>191317</td><td>106.29</td><td rowspan="9">Ailanthus excelsa, Azadirachta indica, Cassia fistula, Casuarina equisetifolia, Ceiba pentandra, Dalbergia sissoo, Ficus bengalensis, Ficus elastica, Ficus religiosa, Pandanus species, Peltophorum ferruginium, Pithecellobium dulce, Plumeria alba, Polyalthea longifolia, Samania saman, Tamarindus indica, Terminalia cuttapa, Thespesia populnea etc</td></tr>
<tr><td>FY-21</td><td>1972</td><td>85%</td><td>1676</td><td>0.93</td></tr>
<tr><td>FY-22</td><td>7905</td><td>82%</td><td>6482</td><td>3.6</td></tr>
<tr><td>FY-23</td><td>2912</td><td>90%</td><td>2621</td><td>1.46</td></tr>
<tr><td>FY-24</td><td>15378</td><td>89%</td><td>13686</td><td>7.6</td></tr>
<tr><td>FY-25</td><td>3242</td><td>90%</td><td>2918</td><td>1.62</td></tr>
<tr><td>FY-26</td><td>21741</td><td>85%</td><td>18480</td><td>2.0</td></tr>
<tr><td>FY -27</td><td>3382</td><td>85%</td><td>2875</td><td>0.0</td></tr>
<tr><td>Total till date</td><td></td><td>276437</td><td>87%</td><td>240055</td><td>123.5</td></tr>
</table></td></tr>
<tr><td>B</td><td colspan="2">GENERAL CONDITIONS</td></tr>
<tr><td>1</td><td>The project authorities must strictly adhere to the stipulations made by the Gujarat State Pollution Control</td><td>Complied.<br>The unit has obtained a valid Consolidated Consent and Authorization from the Gujarat</td></tr>
</table>

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| | Board. | Pollution Control Board for carrying out its manufacturing activities.<br>The latest CCA copies of HIL is attached as Annexure-10.<br>The unit complies with all specific and general conditions stipulated under the CC&A, including provisions related to air pollution control, water pollution control, and hazardous waste management. |
| **2** | 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. | **Complied**<br>The condition is noted and shall be strictly complied with. Any expansion or modification of the plant, will be undertaken only after obtaining prior approval from the Ministry and other concerned statutory authorities, as applicable. |
| **3** | 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 approval from Chief Inspectorate of Factories, Chief Controller of Explosives, Fire safety Inspectorate etc. must be obtained. | **Complied.**<br>The unit has obtained all necessary statutory permissions and licenses from the concerned authorities. Approval from the **Chief Inspectorate of Factories** is enclosed as **Annexure-14**. Compliance with the provisions of the **Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989, as amended**, and the related permissions are enclosed as **Annexure-15**. Necessary licenses from the **Chief Controller of Explosives** have been obtained and are enclosed as **Annexure-16**. The requisite approval from the **Boiler Inspectorate** is enclosed as **Annexure-17**. The unit continues to comply with all applicable statutory requirements and conditions stipulated by the respective authorities. |

<table>
<tr><th>Sr. No</th><th>EC Condition</th><th>Compliance Status</th></tr>
<tr><td>4</td><td>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, 1989 as amended in January 1994 and in January 2000. Authorization from the State Pollution Control Board must be obtained for collections/treatment/storage/disposal of hazardous wastes.</td><td>Complied<br>The unit is complying with the provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and has obtained valid authorization from the Gujarat Pollution Control Board (GPCB) for the generation, storage, transportation, and disposal of hazardous waste.<br>The Annual Return in Form-IV for FY 2025-26 was submitted to GPCB on 09 June 2026 and is attached as Annexure_ 24</td></tr>
<tr><td>5</td><td>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 night-time).</td><td>Complied.<br>Unit has taken the following noise control measures has been undertaken:<ul><li>All the vibrating parts is being checked periodically and serviced to reduce the noise generation.</li><li>The equipment, which is prone to generate excessive noise, is provided with enclosures etc.</li><li>To minimize the adverse effects on the health, earmuffs/ear-plugs is being provided to the workers working under high noise area.</li><li>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.</li><li>Only vehicles with PUC's are allowed for the transportation.</li></ul>The average analysis results of ambient noise level monitoring for the compliance period April 26 to Sept 26 is given below:<table><tr><td>Noise Measurement (April 26 to Sept 26)</td><td>Day time</td><td>Night-time</td></tr><tr><td>Location</td><td>Noise Level in dB(A)</td><td>Noise Level in dB(A)</td></tr><tr><td>Near Township opp. to Arogya</td><td>61.0</td><td>60.4</td></tr></table></td></tr>
</table>

<table>
<tr><th>Sr. No</th><th>EC Condition</th><th>Compliance Status</th></tr>
<tr><td></td><td></td><td>
<table>
<tr><td>Near 16 ha opp. to Smelter-III</td><td>61.1</td><td>60.7</td></tr>
<tr><td>Near YMA Hostel</td><td>62.1</td><td>61.2</td></tr>
<tr><td>Near Jetty Platform</td><td>63.3</td><td>62.7</td></tr>
</table>
<br>Additionally, ambient noise monitoring is being conducted through the GPCB, CPCB, MoEF&CC approved and NABL-accredited laboratory – M/s. Green Leaf Envirotech Ltd. The approval letter from GPCB, CPCB, MoEF&CC approved and the NABL accreditation certificate is attached as Annexure-2C<br><br>Noise Monitoring report for the period of April 26 to Sept 26 is attached as Annexure-11</td></tr>
<tr><td>6</td><td>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 occupational health center should be strengthened & medical record of each employee should be maintained separately.</td><td>Complied<br>The occupational health surveillance of workers is conducted regularly, and records are maintained as per the Factories Act 1948. The company has a structured health monitoring system in place, ensuring periodic medical check-ups and necessary health interventions.<br><br>Sample Record is during the period of April-26 to Sept 26 is given below: -</td></tr>
</table>

| Sr. No | EC Condition | Compliance Status |
|---|---|---|



FORM NO. 32 Health Register (Prescribed under Rule 68-T and 102)

1. Sr.No.Reg of Adult workers : 75461
2. Name of Worker : Kanubhai P. Patel
3. Sex : M , Sm-3 4. Date of Birth : 5/8/82 5. Date of join : 10/11/02 6. Cont.No : 9428179987

| Department/ works | Name of Hazardous Process | Dangerous Process | Nature of job of Occupation | Raw Materials Products or by Products Likely to be exposed to | Date of Posting | Date of leaving/ transfer to or transfer | Reasons for discharge/ leaving or transfer | Medical examination and the results there of | | | | If declared unfit for work | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Date | Signs and Symptomps observed during examination | Nature of tests & results there of | Result Fit/Unfit | Period of temporary withdrawal From that work | Reason for such withdrawal | Date of declaring him unfit for that work | Date of issuing fitness Certificate | Signature with date of the Factory medical officer/the certifying Surgeon |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| Sm-3 | Press | | | | 10/11/02 | — | — | 9/12/2024 | NIL | NAD | Fit | — | — | — | 9/12/2024 | |
| " | " | | | Dust | " | — | — | 13/1/25 | Nil | NAD | Fit | — | — | — | 13/1/25 | |
| " | " | | | " | " | — | — | 3/6/25 | Nil | NAD | Fit | — | — | — | 3/6/25 | |
| " | " | | | " | " | — | — | 25/11/25 | NIL | NAD | Fit | — | — | — | 25/11/25 | |
| Sm-3 | " | | | " | " | — | — | 14/5/26 | Nil | NAD | Fit | — | — | — | 14/5/26 | |
| " | | | | " | " | — | — | 2/11/26 | — | — | Fit | — | — | — | 2/11/26 | |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| **7** | The project proponent should have scheme for social upliftment in the surrounding village 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 where ever possible both for technical and non-technical jobs. | **Complied**<br>A Socio-economic study has been conducted in 12 villages, within 12 km radius of Birla Copper plant in Dahej , district Bharuch by M/s Fulcrum in August 2025, the same is attached as **Annexure-23**<br>Hindalco Industries Limited Unit: Birla Copper, Dahej 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.<br><br>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.<br><br>The company has implemented a range of CSR activities focusing on health, education, skill development, women empowerment, and infrastructure development. Notable initiatives include:<br><br>• Healthcare: Regular monthly health camps benefiting local communities.<br><br>• Education: Support for schools, including infrastructure enhancement and scholarships.<br><br>• Infrastructure: Construction of school buildings, sewage drainage in Lakhigam village, and provision of water supply to Dahej and Lakhigam.<br><br>• 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.<br><br>The company has actively engaged with local communities and administration to |

<table>
<tr><th>Sr. No</th><th>EC Condition</th><th>Compliance Status</th></tr>
<tr><td></td><td></td><td>ensure the effective implementation of CSR initiatives The details of CSR plan carried out as under:
<table>
<tr><th>Activities Undertaken</th><th>No. of Activities</th><th>Beneficiaries</th><th>No. of Villages Benefited</th></tr>
<tr><td>Education</td><td>12</td><td>31703</td><td>72</td></tr>
<tr><td>Health</td><td>164</td><td>12087</td><td>18</td></tr>
<tr><td>Sustainable livelihood</td><td>116</td><td>2365</td><td>19</td></tr>
<tr><td>Social</td><td>1</td><td>100</td><td>1</td></tr>
<tr><td>Others</td><td>9</td><td>10114</td><td>5</td></tr>
<tr><td>Total</td><td>302</td><td>56369</td><td>115</td></tr>
</table>
</td></tr>
</table>

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| | The details of activities carried out under CSR and ESG undertaken by Birla Copper is given below: | |



Sanitation Blocks constructed in 20 villages



Empowering Differently Abled Persons Project in 05 Villages




Computer centre provided for primary school students at Dahej




Supported District Administration by providing 500 Safety Jackets and 200 Lifebuoy Rings for the Safety of Narmada Parikrama Vasis



04 kms Drainage facility provided at Lakhigam




Support of Manhole Cleaning Robot to the Grampanchayat Dahej



Pond Beautification work at Lakhigam

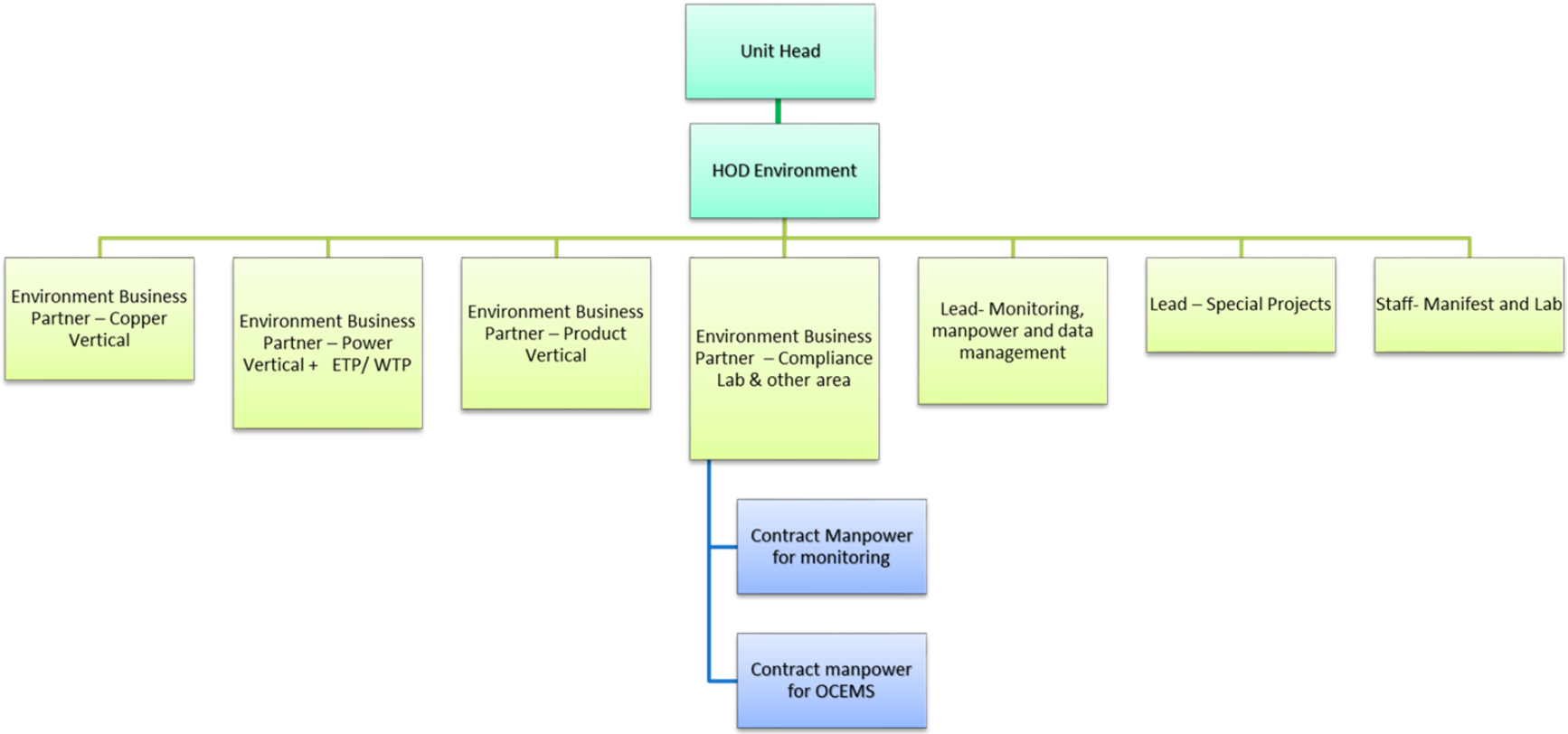


RO Water ATM Support

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| |  Education Material distribution around 13,700 rural students of 96 government primary, secondary and higher secondary schools of Vagra and Bharuch Taluka  Mobile Health Unit service in 14 villages  Bus Transportation Services for Rural Students  Cattle Development Project  Community Center at Lakhigam  Housing project for BPL families of Dahej & Lakhigam  Basic Sewing Trainings in 03 villages  Dental care camps  Support for Mass Marriage at Dahej | |
| **8** | The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA and Risk analysis report. | **Complied**<br><br>The recommendations made in the EMP based on EIA report by Ernst & Young Consultancy services are implemented. |
| **9** | A separate Environmental Management Cell equipped with full-fledged laboratory Facilities must be set up to carry out the environmental management and | **Complied**<br><br>A separate Environmental Management Cell equipped with full-fledged laboratory facilities is set up to carry out the environmental management and monitoring |

<table>
<tr><th>Sr. No</th><th>EC Condition</th><th>Compliance Status</th></tr>
<tr><td></td><td>monitoring functions.</td><td>functions. List of equipment and consumable available in the laboratory are as under:<br><br>A full-fledged separate Environmental Laboratory is set up and equipped with all necessary instruments/ equipment's. The following equipment and consumable are available in the laboratory:<br><br>
<table>
<tr><th>S.No.</th><th>Environment Monitoring Equipment</th><th>S.No.</th><th>Environment Monitoring Equipment</th></tr>
<tr><td>1</td><td>CAAQMS (04)</td><td>11</td><td>OCEMS (36)</td></tr>
<tr><td>2</td><td>Atomic Absorption Spectrophotometer</td><td>12</td><td>Weather station</td></tr>
<tr><td>3</td><td>PM2.5, PM10 Combo</td><td>13</td><td>Stack Monitoring Kit (2)</td></tr>
<tr><td>4</td><td>Noise Level monitors (02)</td><td>14</td><td>Handheld SO2, NH3, HF,VOC analyser</td></tr>
<tr><td>5</td><td>Multi gas Analyzer (SO2, NOx, CO2, HC, O2, and CO)</td><td>15</td><td>Ion selected Fluoride analysers</td></tr>
<tr><td>6</td><td>Spectrophotometer (visible range)</td><td>16</td><td>BOD incubator</td></tr>
<tr><td>7</td><td>COD reflux set up</td><td>17</td><td>Single pan balance</td></tr>
<tr><td>8</td><td>Relevant chemicals as per IS 5182</td><td>18</td><td>Hot Air Oven</td></tr>
<tr><td>9</td><td>Stopwatch</td><td>19</td><td>Thermometer</td></tr>
<tr><td>10</td><td>PH Meter</td><td>20</td><td>Titration set</td></tr>
</table>
<br>The company has separate environment cell and sufficient infrastructure to monitor and analyses the environmental parameters.</td></tr>
</table>

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| | | Organization structure of Environment cell is given below: - |



<table>
<tr><th>Sr. No</th><th>EC Condition</th><th>Compliance Status</th></tr>
<tr><td>10</td><td>The project authorities will provide adequate funds both recurring and non-recurring 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.</td><td>Complied<br><br>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 MoEF&CC and the State Government. The implementation of these measures has been successfully carried out, ensuring compliance with regulatory requirements.<br><br>The total year wise capital and recurring expenditure incurred on key environmental infrastructure includes:
<table>
<tr><th>Year</th><th>Capital Cost in lacs. (Cumulative)</th><th>Recurring Cost in Lacs.</th></tr>
<tr><td>2017-18</td><td>16357</td><td>7767.45</td></tr>
<tr><td>2018-19</td><td>30137</td><td>9984.0</td></tr>
<tr><td>2019-20</td><td>30137</td><td>9782.39</td></tr>
<tr><td>2020-21</td><td>38806</td><td>8536.75</td></tr>
<tr><td>2021-22</td><td>38806</td><td>13319.39</td></tr>
<tr><td>2022-23</td><td>38806</td><td>13578.52</td></tr>
<tr><td>2023-24</td><td>42357</td><td>14703.71</td></tr>
<tr><td>2024-25</td><td>42357</td><td>11486.88</td></tr>
<tr><td>2025-26</td><td>42357</td><td>14178.67</td></tr>
<tr><td>2026-27<br>(till Sep 2026)</td><td>50621</td><td>14290.22</td></tr>
</table>
</td></tr>
<tr><td></td><td colspan="2">The company has incurred capital cost of Rs 506.21 crore and recurring cost Rs. 142.902 crore (in FY26-27) implement the conditions stipulated by the Ministry of Environment & Forests as well as the State Government. The details of amount incurred is as under:<br><br>Detailed break up of capital cost (up to FY26-27) is given below: -</td></tr>
</table>

| Sr. No | EC Condition | Compliance Status |
|---|---|---|

Capital Cost for Environmental Control Measures till date

| Sr no | Item | Total in lacs |
|---|---|---|
| 1 | Dryer bag filer & dedusting system | 669 |
| 2 | Alkali Scrubber Smelter-1 | 8500 |
| 3 | Water Cool hood Smelter-1 Converter 1,2 &3 | 1770 |
| 4 | Ventilation hood from S & C furnace & bag house | 150 |
| 5 | ESP's of smelter-III | 518 |
| 6 | ESP's of CPP | 400 |
| 7 | Alkali Scrubber of Smelter –III | 694 |
| 8 | Effluent Treatment –II | 1000 |
| 9 | Sewage Treatment Plant-II | 100 |
| 10 | Sulphuric Acid Plant –III | 8595 |
| 11 | Tail Gas Scrubber SAP-III | 3466.69 |
| 12 | SLF for ETP waste | 700 |
| 13 | PG, slag & Fly ash yard- for Phase-III | 2000 |
| 14 | Bag filters for CHP CPP-III and ash management | 800.38 |
| 15 | Liberator scrubber | 141 |
| 16 | PMR plant Bag filter | 50 |
| 17 | Fluorine scrubbing system in PAP-III | 203.08 |
| 18 | Scrubbing system for DAP-III plant | 300 |
| 19 | Green belt development | 600 |
| 20 | Tertiary Water Recycling Unit | 6754 |
| 21 | Wind fencing for coal yard | 1395 |
| 22 | SLF9 for ETP waste | 3551 |
| 23 | PS Convertor replacement & upgradation | 7750 |
| 24 | VOC Analyser | 62 |
| 25 | Smelter-1 and SAP-1 Off gas management | 401 |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|

| | | |
|---|---|---|
| 26 | IOT based data logger | 33 |
| 27 | Mist Cannon | 12 |
| 28 | Automatic weather monitoring | 2 |
| 29 | LED Display board | 4 |
| | Total in Lakhs | 50621 |
| | Total in crore | 506.21 |

The detailed break-up of Recurring cost for FY26-27 is given below: -

| Sr.No. | Details | Expenditure (in Lacs. Rs.) for period of April-26 to -26 |
|---|---|---|
| 1 | Effluent Treatment Plant (main) | |
| | (a) Chemical Consumption | 2845.04 |
| | (b) Repair and Maintenance | 138.07 |
| | (c) Electrical Cost | 22.03 |
| | (d) Secured land fill facility | 438.43 |
| | (e) ETP Waste handling and compaction | 382.51 |
| 2 | Solid Waste Management | |
| | (a) Gypsum handling & compaction | 1274.00 |
| | (b) Slag & ash handling | |
| 3 | Sulphuric Acid Plants | |
| | (a) Consumption of chemical, fuel, etc. | 4920.13 |
| | (b) Repair and Maintenance | 2064.30 |
| | (c) Electrical Cost | 25.28 |
| 4 | Environmental Monitoring and Studies | 44.38 |
| | Environmental Revenue expenditure | 111.554 |
| 5 | Smelter, Refinery & PMR plant | |
| | (a) Bag filter replacement | |
| | (b) Scrubber operation | 986 |

| Sr. No | EC Condition | | | Compliance Status |
|---|---|---|---|---|
| | | | (c) ESP operation | 16 |
| | | | (d) Bag filter, Scrubber & ESP Smelter-3 | 442.85 |
| | | | (e) PMR plant | 30 |
| | | | Concentrate Dryer Bag Filter Cost | 6 |
| | | 6 | Captive Power Plants | |
| | | | (a) ESP, I D fan & Ash handling operation | 416.61 |
| | | 7 | Horticulture / green belt work | 127.03 |
| | | | Total | 14290.22 |
| **11** | 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. | | | **Complied**<br><br>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 environmental conditions<br>The acknowledgement copy of submitted six monthly reports for the period of Oct –25 March-2026 is given below: |

<table>
<tr><th>Sr. No</th><th>EC Condition</th><th>Compliance Status</th></tr>
<tr><td colspan="3">
<table>
<tr><td colspan="2">Your (Half Yearly Compliance Report) has been Submitted with following details</td></tr>
<tr><td>Proposal No</td><td>J-11011/81/2000-I (A) II (I)</td></tr>
<tr><td>Compliance ID</td><td>685394178</td></tr>
<tr><td>Compliance Number(For Tracking)</td><td>EC/M/COMPLIANCE/685394178/2026</td></tr>
<tr><td>Reporting Year</td><td>2026</td></tr>
<tr><td>Reporting Period</td><td>01 Jun(01 Oct - 31 Mar)</td></tr>
<tr><td>Submission Date</td><td>15-05-2026</td></tr>
<tr><td>RO/SRO Name</td><td>Shri Satya Prakash Negi</td></tr>
<tr><td>RO/SRO Email</td><td>jhk119@ifs.nic.in</td></tr>
<tr><td>State</td><td>GUJARAT</td></tr>
<tr><td>RO/SRO Office Address</td><td>Integrated Regional Offices, Gandhi Nagar</td></tr>
<tr><td colspan="2">Note:- SMS and E-Mail has been sent to Shri Satya Prakash Negi, GUJARAT with Notification to Project Proponent.</td></tr>
</table>
<br>Please note that Ministry Regional Office for Hindalco, Birla Copper, is in Gandhinagar.
</td></tr>
<tr><td>12</td><td>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</td><td>Complied<br><br>The company has published the information regarding obtaining the environment clearance for the aforesaid project in two daily newspapers i.e. Sandesh dtd.13.1.2002 and The Times of India dtd.12.1.2002. A copy of the above letter and a copy of each advertisement was submitted to MoEF & CC; New Delhi vide letter No. IGCL/TIC/01</td></tr>
</table>

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| | 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 Office. | dated 16.01.2002. The condition is complied with. |
| **13** | 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. | **Complied**<br><br>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. |

***Hindalco Industries Limited***

***Unit: Birla Copper, Dahej***

**Compliance to conditions of Environmental Clearance No. J- 11011/85/2002-IA II (I) dated 10th Feb-2004**

**(Six monthly compliance report from April-26 to September-26)**

Expansion of Copper Smelter and setting up of Zinc smelter plant by M/s Hindalco Industries Limited at Village Lakhigam and Dahej, Tehsil Vagra, District Bharuch in Gujarat

The expansion proposal is for increasing capacity of copper smelter plant from 1.50 lakh TPA to 2.50 lakh TPA.
and setting up of Zinc Smelter Plant of 1.0 lakh TPA.

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| **A** | **SPECIFIC CONDITIONS** | |
| **1** | All the conditions stipulated by the Ministry while according to 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. | **Complied.**<br>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. |
| **2** | 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 as per decision taken in the meeting regarding charter for corporate responsibility on environment protection for copper and zinc industries company should make efforts to achieve zero discharge through 100% recycled /reuse of treated waste water. Action plan in this regard should be submitted to the ministry within three months. 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 | **Complied.**<br>The capacity of ETP was augmented and effluent generation is within the limit.<br>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 (2023). The current proposal aims to completely eliminate the remaining 300 KLD effluent through advanced recycling and reuse strategies. The implementation is scheduled for completion by 2029.<br>RO reject and storm water in rainy season which is discharged into deep sea through HDPE pipeline at a point through multiple diffuser system as suggested by |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| | 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. | NIO |

The unit conducts regular monitoring of influent, effluent, surface, sub-surface, and groundwater, ensuring compliance with prescribed norms.

The average analysis of treated effluent by GPCB, CPCB, MoEF&CC approved and NABL accredited laboratory M/s Green Leaf for the period from April-2026 to September-2026 is given below: -

| Sr. No | Parameters | UOM | Apr-26 | May-26 | Jun-26 | Jul-26 | Aug-26 | Sep-26 | Treated Effluent analysis report Average (April-26 to Sept-2026) RO Reject | PERIMISSIBLE LIMIT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | pH | - | 7.95 | 7.83 | 7.65 | 7.78 | 7.84 | 7.94 | 7.83 | 5.5 to 9 |
| 2 | Temperature | °C | 30.80 | 30.66 | 30.97 | 30.91 | 30.83 | 30.86 | 30.84 | 45 °C |
| 3 | Colour | Units | 10.09 | 10.34 | 10.29 | 9.26 | 10.26 | 10.09 | 10.06 | 100 Units |
| 4 | Suspended Solids | mg/l | 19.65 | 19.18 | 18.70 | 19.47 | 19.31 | 19.64 | 19.33 | 100 mg/l |
| 5 | COD | mg/l | 35.55 | 34.39 | 32.05 | 35.64 | 34.83 | 36.85 | 34.89 | 100 mg/l |
| 6 | BOD (3 days at 27°C) | mg/l | 7.68 | 8.52 | 7.62 | 7.86 | 7.26 | 7.95 | 7.81 | 250 mg/l |
| 7 | Oil & Grease | mg/l | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 10 mg/l |
| 8 | Phenolic Compound | mg/l | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 5 mg/l |
| 9 | Ammonical Nitrogen | mg/l | 9.5 | 10.33 | 10.56 | 10.15 | 10.78 | 9.45 | 10.12 | 50 mg/l |
| 10 | Sulphides | mg/l | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | 5 mg/l |
| 11 | Cyanides | mg/l | ND | ND | ND | ND | ND | ND | Nil | 0.2 mg/l |

<table>
<tr><th>Sr. No</th><th>EC Condition</th><th>Compliance Status</th></tr>
<tr><td></td><td>
<table>
<tr><td>12</td><td>Fluoride</td><td>mg/l</td><td>1.88</td><td>2.33</td><td>2.03</td><td>2.21</td><td>2.36</td><td>1.90</td><td>2.12</td><td>15 mg/l</td></tr>
<tr><td>13</td><td>Hexa. Chromium</td><td>mg/l</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.1 mg/l</td></tr>
<tr><td>14</td><td>Total Chromium</td><td>mg/l</td><td>0.41</td><td>0.48</td><td>0.52</td><td>0.48</td><td>0.54</td><td>0.52</td><td>0.49</td><td>2 mg/l</td></tr>
<tr><td>15</td><td>Copper</td><td>mg/l</td><td>0.25</td><td>0.28</td><td>0.27</td><td>0.29</td><td>0.25</td><td>0.26</td><td>0.27</td><td>3 mg/l</td></tr>
<tr><td>16</td><td>Nickel</td><td>mg/l</td><td>0.04</td><td>0.10</td><td>0.09</td><td>0.08</td><td>0.07</td><td>0.09</td><td>0.08</td><td>5 mg/l</td></tr>
<tr><td>17</td><td>Zinc</td><td>mg/l</td><td>0.36</td><td>0.27</td><td>0.28</td><td>0.27</td><td>0.28</td><td>0.31</td><td>0.29</td><td>15 mg/l</td></tr>
<tr><td>18</td><td>Mercury</td><td>mg/l</td><td><0.005</td><td><0.005</td><td><0.005</td><td><0.005</td><td><0.005</td><td><0.005</td><td><0.005</td><td>0.01 mg/l</td></tr>
<tr><td>19</td><td>Lead</td><td>mg/l</td><td><0.005</td><td><0.005</td><td><0.005</td><td><0.005</td><td><0.005</td><td><0.005</td><td><0.005</td><td>1 mg/l</td></tr>
<tr><td>20</td><td>Arsenic</td><td>mg/l</td><td>0.04</td><td>0.058</td><td>0.055</td><td>0.050</td><td>0.056</td><td>0.004</td><td>0.04</td><td>0.2 mg/l</td></tr>
<tr><td>21</td><td>Cadmium</td><td>mg/l</td><td><0.01</td><td><0.01</td><td><0.01</td><td><0.01</td><td><0.01</td><td><0.01</td><td><0.01</td><td>2 mg/l</td></tr>
<tr><td>22</td><td>Insecticides /Pesticides</td><td>mg/l</td><td>Absent</td><td>Absent</td><td>Absent</td><td>Absent</td><td>Absent</td><td>Absent</td><td>Absent</td><td>Absent</td></tr>
<tr><td>23</td><td>Selenium</td><td>mg/l</td><td><0.01</td><td><0.01</td><td><0.01</td><td><0.01</td><td><0.01</td><td><0.01</td><td><0.01</td><td>0.05 mg/l</td></tr>
<tr><td>24</td><td>Bioassay Test</td><td>%</td><td>96.97</td><td>95.65</td><td>96.71</td><td>96.29</td><td>96.90</td><td>96.10</td><td>96.44</td><td>90% survival of fish after 96 hours in 100% effluent</td></tr>
</table>
The treated effluent monitoring report from the M/s Greenleaf for the compliance period April-2026 to September-2026 is attached as Annexure-5
</td><td></td></tr>
<tr><td>3</td><td>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 concentrates 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.</td><td>Complied.<br><br>The unit has implemented effective measures to control fugitive emissions from all the vulnerable sources within the plant premises.<br><br>To mitigate fugitive emissions following measures are taken:<br><br>• RCC internal roads are in place to reduce dust generation.<br>• Hazardous waste is transported in covered trailers, eliminating fugitive emissions.<br>• Three high-volume mechanized road sweepers and nine portable mechanized sweepers are deployed for regular cleaning.<br>• Fly ash is transported through closed bulkers</td></tr>
</table>

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| | | • Other raw materials like lime, silica, are procured in covered trucks.<br>• 34 water sprinklers & wind screen are installed to suppress dust emissions during coal loading and unloading.<br>• 2 Nos of Mist Cannon installed for yard fugitive management<br>• The captive jetty hopper equipped with bag filter ensures controlled unloading of imported copper concentrate, which is transferred through a closed pipe conveyor, minimizing spillage and airborne emissions.<br><br>Zinc Smelter related facilities have not been installed. Therefore, point not applicable. |
| |    High Volume Road Sweeping Machine | |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| |   Sprinkler system and wind breaking wall in Coal handling plant  Tail gas scrubber TGS-3 installed in SAP-3 | |

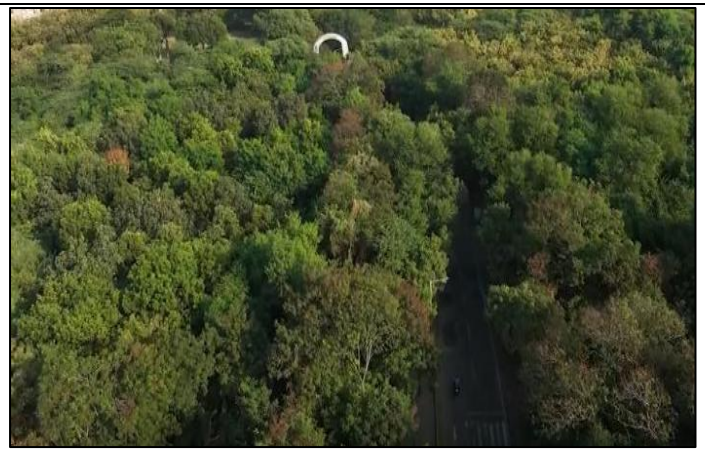
| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| **4** | SO2 containing off-gases from smelting, setting and converting furnaces in copper and zinc smelter plants should be cleaned and converted to Sulphuric acid by Double Conversion Double Absorption (DCDA) Process technology for maximum 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. | Complied.<br><br>SO2-containing off-gases generated from the smelting and converting furnaces are cleaned and converted into sulphuric acid through the Double Conversion Double Absorption (DCDA) process. The unit consistently complies with the prescribed standards for $SO_2$ emissions (2 kg/ton of $H_2SO_4$ produced) and acid mist emissions (25 mg/$Nm^3$), and monitoring results are within the stipulated limits.<br><br>The Phosphoric Acid Plant has remained non-operational since April 2020; therefore, fluoride emissions are not applicable. Further, the Zinc Smelter and associated infrastructure have not been implemented, hence the related requirements are not applicable.<br><br>The stack analysis report by NABL accredited laboratory for the period of April-26- to September 2026 is attached as **Annexure-1** |
| **5** | 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. | **Complied.**<br><br>The requirement for developing a dedicated secured landfill facility for jarosite from the Zinc Smelter Plant is not applicable, as the Zinc Smelter Plant and associated facilities have not been implemented.<br><br>However, a secured landfill facility has been developed and is being operated as per CPCB guidelines for the disposal of hazardous waste generated from the Copper Smelter Plant. The unit has obtained valid authorization under the applicable Hazardous and Other Wastes (Management and Transboundary Movement) Rules from GPCB, and a copy of the authorization is enclosed as Annexure-18. |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| | | Further, groundwater quality in and around the secured landfill facility is monitored regularly through designated monitoring wells. Monitoring of groundwater is carried out periodically. A summary of groundwater monitoring results for the period April 2026 to September 2026 is provided below. The monitoring reports are submitted to the CPCB/GPCB/Ministry once in six months. |

**Average analysis report for the compliance period is as below:**

| Period: April-2026 to September-2026 | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sr. No** | **Sample** | **Landmark** | **pH** | **Copper mg/l** | **Arsenic mg/l** | **F mg/l** | **TDS mg/l** | **TSS mg/l** | **Mercury mg/l** | **Iron mg/l** | **Nickle mg/l** | **Lead mg/l** | **Chromium mg/l** | **Cadmium mg/l** | **Zinc mg/l** |
| 1 | HP-01 | SLF-01 | 8.23 | ND | ND | 0.323 | 11851 | 44 | 0.012 | ND | ND | ND | ND | 0.001 | 0.51 |
| 2 | HP-02 | SLF-02 | 7.44 | ND | ND | 0.009 | 23816 | 47 | 0.010 | ND | ND | ND | ND | 0.002 | 1.01 |
| 3 | HP-03 | SLF-03 | 6.87 | ND | ND | 0.006 | 39017 | 99 | 0.009 | ND | ND | ND | ND | ND | 2.07 |
| 4 | HP-04 | Slag Plant | 7.28 | ND | ND | 0.056 | 33052 | 75 | 0.010 | ND | ND | ND | ND | ND | 1.54 |
| 5 | HP- 05 | SLF-04 | 7.80 | ND | ND | 0.210 | 7782 | 50 | 0.010 | ND | ND | ND | ND | ND | 1.88 |
| 6 | HP- 06 | SLF-07 | 7.46 | ND | ND | 0.048 | 25023 | 162 | 0.011 | ND | ND | ND | ND | ND | 1.71 |
| 7 | HP-07 | SLF-06 | 7.32 | ND | ND | 0.064 | 39299 | 108 | 0.012 | ND | ND | ND | ND | ND | 4.76 |
| 8 | HP-08 | SLF-06 | 8.61 | ND | ND | 0.091 | 4864 | 138 | 0.010 | ND | ND | ND | ND | ND | ND |
| 9 | HP- 08A | SLF-08A | 7.83 | ND | ND | 0.140 | 17644 | 121 | 0.011 | ND | ND | ND | ND | ND | 0.9 |
| 10 | HP- 08B | SLF-08B | 8.56 | ND | ND | ND | 8232 | 152 | 0.010 | ND | ND | ND | ND | ND | 3.91 |
| 11 | HP-09 | SLF-9 | 7.78 | ND | ND | 0.026 | 27110 | 114 | 0.010 | ND | ND | ND | ND | ND | 1.8 |
| 12 | HP- 10 | SLF-08B | 8.14 | ND | ND | 0.071 | 18688 | 71 | 0.011 | ND | ND | ND | ND | ND | 0.78 |
| 13 | HP- 11A | SLF-9 | 6.66 | ND | ND | ND | 58461 | 151 | 0.010 | ND | ND | ND | ND | ND | 0.36 |
| 14 | HP- 11B | SLF-9 | 6.28 | ND | ND | ND | 56873 | 87 | 0.010 | ND | ND | ND | ND | ND | 0.97 |

| | | |
|---|---|---|
| **6** | Green belt of adequate width and density in 25 ha. Of project | **Complied**<br>A well-developed greenbelt has been established all along the periphery as well as |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| | 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. | within the plant premises to enhance the environmental quality. The existing greenbelt covers approximately 123.50 Ha out of the total plant area of 341.65 Ha, comprising about 240055 trees within the plant premises. Additionally, approximately 3,000 trees have been planted outside the plant premises near the Material Gate and adjoining areas.<br>Plant species have been selected in consultation with the District Forest Officer (DFO) and in line with CPCB guidelines, with preference given to native and pollution-tolerant species. Continuous plantation, gap-filling, maintenance, and survival monitoring activities are undertaken to further strengthen the greenbelt.<br><br>Photograph of green belt development is given below: |
| | <br>Greenbelt near Township | <br>Greenbelt near Material gate |

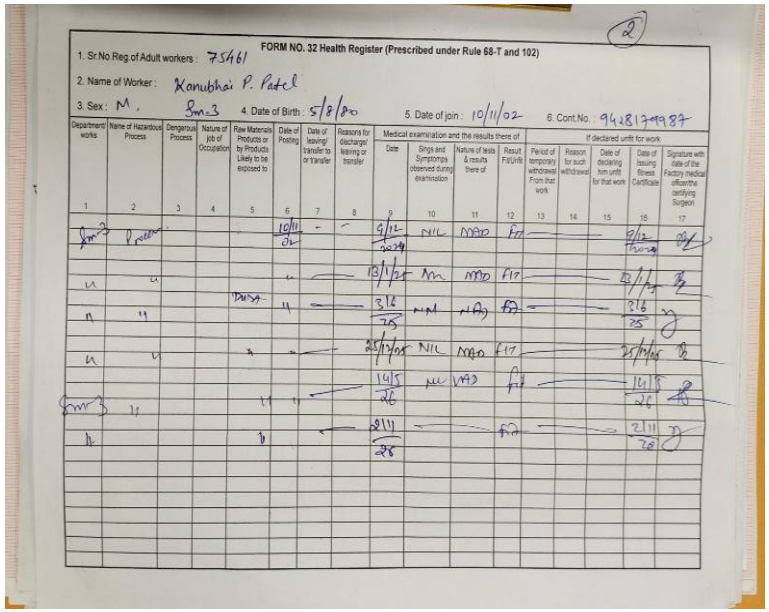
| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| |  New Plantation in near township gate |  Plantation outside plant boundary -Gate no.6 |
| |  Plantation near coal yard |  Plantation near North-Eastern plant boundary |

<table>
<tr><th>Sr. No</th><th>EC Condition</th><th>Compliance Status</th></tr>
<tr><td></td><td>The details of year-wise green belt plantation are given below: -
<table>
<tr><th>Year of Plantation</th><th>Location</th><th>No. of Trees planted</th><th>Survival Rate (%)</th><th>No. of plants survived</th><th>Area covered in plantation (Ha)</th></tr>
<tr><td>Till FY20</td><td rowspan="9">Plant & Township</td><td>219905</td><td>87%</td><td>191317</td><td>106.29</td></tr>
<tr><td>FY-21</td><td>1972</td><td>85%</td><td>1676</td><td>0.93</td></tr>
<tr><td>FY-22</td><td>7905</td><td>82%</td><td>6482</td><td>3.6</td></tr>
<tr><td>FY-23</td><td>2912</td><td>90%</td><td>2621</td><td>1.46</td></tr>
<tr><td>FY-24</td><td>15378</td><td>89%</td><td>13686</td><td>7.6</td></tr>
<tr><td>FY-25</td><td>3242</td><td>90%</td><td>2918</td><td>1.62</td></tr>
<tr><td>FY-26</td><td>21741</td><td>85%</td><td>18480</td><td>2.0</td></tr>
<tr><td>FY-27</td><td>3382</td><td>85%</td><td>2875</td><td>Gap filling</td></tr>
<tr><td colspan="2">Total till Sept-26</td><td>276437</td><td>87%</td><td>240055</td><td>123.50</td></tr>
</table></td><td>List of Native Species planted: -<br>Ailanthus excelsa, Azadirachta indica, Cassia fistula, Casuarina equisetifolia, Ceiba pentandra, Dalbergia sissoo, Ficus bengalensis, Ficus elastica, Ficus religiosa, Pandanus species, Peltophorum ferruginium, Pithecellobium dulce, Plumeria alba, Polyalthea longifolia, Samania saman, Tamarindus indica, Terminalia cuttapa, Thespesia populnea etc.</td></tr>
<tr><td>7</td><td>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.</td><td>Complied<br><br>The solid hazardous waste/sludge generated from the process is disposed of in the secured landfill facility developed as per CPCB guidelines.<br><br>The landfill has been designed and constructed at a safe distance above the groundwater table in consultation with the National Productivity Council (NPC) and approved by GPCB under the applicable Hazardous Waste Rules.<br><br>A copy of the approval/authorization is enclosed as Annexure-18.</td></tr>
<tr><td>B</td><td>GENERAL CONDITIONS</td><td></td></tr>
<tr><td>1</td><td>The project authorities must strictly adhere to the stipulations made by the Gujarat State Pollution Control Board.</td><td>Complied.<br>The unit has obtained a valid Consolidated Consent and Authorization from the</td></tr>
</table>

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| | | Gujarat Pollution Control Board for carrying out its manufacturing activities.<br>The latest CCA copy of HIL is attached as **Annexure-10.**<br>The unit complies with all specific and general conditions stipulated under the CC&A, including provisions related to air pollution control, water pollution control, and hazardous waste management. Compliance is maintained through adherence to the requirements of GPCB, the State Government, and other statutory authorities, ensuring effective environmental management and regulatory compliance |
| **2** | 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. | Complied.<br><br>The condition is noted and shall be strictly complied with. Any expansion or modification of the plant, will be undertaken only after obtaining prior approval from the Ministry and other concerned statutory authorities, as applicable. |
| **3** | 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 | **Complied**<br>The unit is complying with the provisions of the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended. Necessary approvals and licenses have been obtained from the concerned authorities, including the Chief Inspector of Factories, Fire Safety Authorities, Controller of Explosives, and Boiler Inspectorate, wherever applicable.<br>The Factory License and MSIHC-related permissions are enclosed as Annexure-14 and Annexure-15, valid up to 31.12.2026. The license issued by the Controller of Explosives valid up to 31.3.2028 is enclosed as Annexure-16, and the Boiler Inspectorate approval valid up to 22.10.2026 is enclosed as Annexure-17 |
| **4** | The project authorities must strictly comply with the rules with regard to hazardous wastes in accordance with the hazardous | **Complied**<br>The unit is complying with the provisions of the **Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016** and has obtained valid |

<table>
<tr><th>Sr. No</th><th>EC Condition</th><th>Compliance Status</th></tr>
<tr><td></td><td>Wastes (M & H) Rules 1989 as amended in Oct-94 and in Jan, 00. Authorization from the SPCB must be obtained for collection/treatment/storage/disposal of hazardous waste.</td><td>authorization from the Gujarat Pollution Control Board (GPCB) for the generation, storage, transportation, and disposal of hazardous waste.<br>The Annual Return in Form-IV for FY 2025-26 was submitted to GPCB on 09 June 2026 and is attached as Annexure_ 24</td></tr>
<tr><td>5</td><td>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 viz 75 dBA (daytime) and 70 dBA (nigh time)</td><td>Complied.<br>Unit has taken the following noise control measures has been undertaken:<br>• All the vibrating parts is being checked periodically and serviced to reduce the noise generation.<br>• The equipment, which is prone to generate excessive noise, is provided with enclosures etc.<br>• To minimize the adverse effects on the health, earmuffs/ear-plugs is being provided to the workers working under high noise area.<br>• 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.<br>• Only vehicles with PUC's are allowed for the transportation.<br>The average analysis results of ambient noise level monitoring for the compliance period April 26 to Sept 26 is given below:<br><table><tr><td>Noise Measurement (April 26 to Sept 26)</td><td>Day time</td><td>Night-time</td></tr><tr><td>Location</td><td>Noise Level in dB(A)</td><td>Noise Level in dB(A)</td></tr><tr><td>Near Township opp. to Arogya</td><td>61.0</td><td>60.4</td></tr><tr><td>Near 16 ha opp. to Smelter-III</td><td>61.1</td><td>60.7</td></tr></table></td></tr>
</table>

<table>
<tr><th>Sr. No</th><th>EC Condition</th><th>Compliance Status</th></tr>
<tr><td></td><td></td><td>
<table>
<tr><td>Near YMA Hostel</td><td>62.1</td><td>61.2</td></tr>
<tr><td>Near Jetty Platform</td><td>63.3</td><td>62.7</td></tr>
</table>
<br>Additionally, ambient noise monitoring is being conducted through the GPCB, CPCB, MoEF&CC approved and NABL-accredited laboratory – M/s. Green Leaf Envirotech Ltd. The approval letter from GPCB, CPCB, MoEF&CC approved and the NABL accreditation certificate is attached as Annexure-2C<br>Noise Monitoring report for the period of April 26 to Sept 26 is attached as Annexure-11</td></tr>
<tr><td>6</td><td>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 centre should be strengthened and the medical records of each employee should be maintained separately.</td><td>Complied<br>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.</td></tr>
</table>

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| Sample Record is during the period of April 26 to September 26 is attached below  FORM NO. 32 Health Register (Prescribed under Rule 68-T and 102) 1. Sr.No.Reg.of Adult workers : 75461 2. Name of Worker : Kanubhai P. Patel 3. Sex : M, Sm-3 4. Date of Birth : 5/8/80 5. Date of join : 10/11/02 6. Cont.No. : 9428179987 | | |
| **7** | 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 centres, sanitation facilities, drinking water supply, community awareness and employment to local people whenever and wherever possible both for technical and non-technical jobs | **Complied**<br>A Socio-economic study has been conducted in 12 villages , within 12 km radius of Birla Copper plant in Dahej, district Bharuch by M/s Fulcrum in August 2025, the same is attached as **Annexure-23**<br><br>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. |

<table>
<tr><th>Sr. No</th><th>EC Condition</th><th>Compliance Status</th></tr>
<tr><td></td><td></td><td>
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.<br>
The company has implemented a range of CSR activities focusing on health, education, skill development, women empowerment, and infrastructure development. Notable initiatives include:<br>
• Healthcare: Regular monthly health camps benefiting local communities.<br>
• Education: Support for schools, including infrastructure enhancement and scholarships.<br>
• Infrastructure: Construction of school buildings, sewage drainage in Lakhigam village, and provision of water supply to Dahej and Lakhigam.<br>
• 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.<br>
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 as under:
<table>
<tr><th colspan="4">CSR data from April 2026 to September 2026</th></tr>
<tr><th>CSR data from April 2026 to September 2026</th><th>No. of Activities</th><th>Beneficiaries</th><th>No. of Villages Benefited</th></tr>
<tr><td>Education</td><td>2</td><td>14672</td><td>72</td></tr>
<tr><td>Health</td><td>30</td><td>4130</td><td>30</td></tr>
<tr><td>Sustainable livelihood</td><td>0</td><td>0</td><td>0</td></tr>
<tr><td>Social</td><td>3</td><td>21090</td><td>14</td></tr>
</table>
</td></tr>
</table>

| Sr. No | EC Condition | Compliance Status | | | |
|---|---|---|---|---|---|
| | | Others | - | - | - |
| | | Infrastructure development | - | - | - |
| | | Total | 35 | 39892 | 116 |

The details of activities carried out under CSR and ESG undertaken by Birla Copper is given below:



Sanitation Blocks constructed in 20 villages



Empowering Differently Abled Persons Project in 05 Villages



Computer centre provided for primary school students at Dahej




Supported District Administration by providing 500 Safety Jackets and 200 Lifebuoy Rings for the Safety of Narmada Parikrama Vasis



04 kms Drainage facility provided at Lakhigam




Support of Manhole Cleaning Robot to the Grampanchayat Dahej



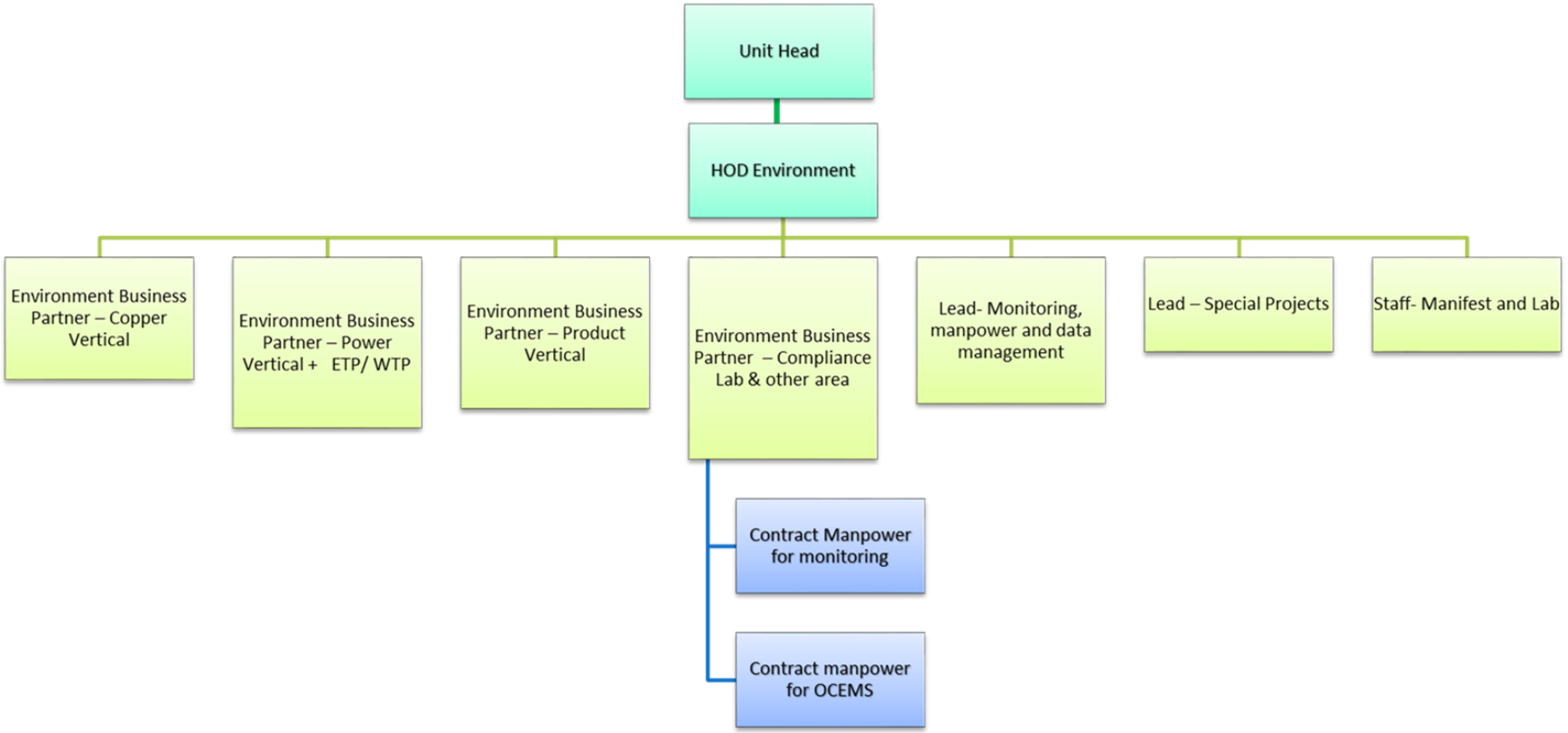
Pond Beautification work at Lakhigam



RO Water ATM Support

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| |  Education Material distribution around 13,700 rural students of 96 government primary, secondary and higher secondary schools of Vagra and Bharuch Taluka  Mobile Health Unit service in 14 villages  Bus Transportation Services for Rural Students  Cattle Development Project  Community Center at Lakhigam  Housing project for BPL families of Dahej & Lakhigam  Basic Sewing Trainings in 03 villages  Dental care camps  Support for Mass Marriage at Dahej | |
| **8** | The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA and risk analysis report. | **Complied.**<br>The recommendations made in the EMP based on EIA report by Mecon Limited are implemented. |
| **9** | A separate Environmental Management Cell equipped with full-fledged laboratory facilities must be set up to carry out the Environmental Management and monitoring functions. | **Complied.**<br>A separate Environmental Management Cell equipped with full-fledged laboratory facilities is set up to carry out the environmental Management and monitoring functions.<br>A full-fledged separate Environmental Laboratory is set up and equipped with all |

<table>
<tr><th>Sr. No</th><th>EC Condition</th><th>Compliance Status</th></tr>
<tr><td></td><td></td><td>necessary instruments/ equipment's. The following equipment and consumable are available in the laboratory:
<table>
<tr><th>S.No.</th><th>Environment Monitoring Equipment</th><th>S.No.</th><th>Environment Monitoring Equipment</th></tr>
<tr><td>1</td><td>CAAQMS (04)</td><td>11</td><td>OCEMS (36)</td></tr>
<tr><td>2</td><td>Atomic Absorption Spectrophotometer</td><td>12</td><td>Weather station</td></tr>
<tr><td>3</td><td>PM2.5, PM10 Combo</td><td>13</td><td>Stack Monitoring Kit (2)</td></tr>
<tr><td>4</td><td>Noise Level monitors (02)</td><td>14</td><td>Handheld SO2, NH3, HF and VOC analyser</td></tr>
<tr><td>5</td><td>Multi gas Analyzer (SO2, NOx, CO2, HC, O2, and CO)</td><td>15</td><td>Ion selected Fluoride analysers</td></tr>
<tr><td>6</td><td>Spectrophotometer (visible range)</td><td>16</td><td>BOD incubator</td></tr>
<tr><td>7</td><td>COD reflux set up</td><td>17</td><td>Single pan balance</td></tr>
<tr><td>8</td><td>Relevant chemicals as per IS 5182</td><td>18</td><td>Hot Air Oven</td></tr>
<tr><td>9</td><td>Stopwatch</td><td>19</td><td>Thermometer</td></tr>
<tr><td>10</td><td>PH Meter</td><td>20</td><td>Titration set</td></tr>
</table>
Environment organization chart is given below:</td></tr>
</table>

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| |  | |
| **10** | 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 | **Complied.**<br>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 MoEF&CC and the State Government. The implementation of these measures has been successfully carried out, ensuring |

<table>
<tr><th>Sr. No</th><th>EC Condition</th><th>Compliance Status</th></tr>
<tr><td></td><td>funds so provided should not be diverted for any other purpose.</td><td>compliance with regulatory requirements.<br><br>The total year wise capital and recurring expenditure incurred on key environmental infrastructure includes:
<table>
<tr><th>Year</th><th>Capital Cost in lacs. (Cumulative)</th><th>Recurring Cost in Lacs.</th></tr>
<tr><td>2017-18</td><td>16357</td><td>7767.45</td></tr>
<tr><td>2018-19</td><td>30137</td><td>9984.0</td></tr>
<tr><td>2019-20</td><td>30137</td><td>9782.39</td></tr>
<tr><td>2020-21</td><td>38806</td><td>8536.75</td></tr>
<tr><td>2021-22</td><td>38806</td><td>13319.39</td></tr>
<tr><td>2022-23</td><td>38806</td><td>13578.52</td></tr>
<tr><td>2023-24</td><td>42357</td><td>14703.71</td></tr>
<tr><td>2024-25</td><td>42357</td><td>11486.88</td></tr>
<tr><td>2025-26</td><td>42357</td><td>14178.67</td></tr>
<tr><td>2026-27 (till Sep 2026)</td><td>50621</td><td>14290.22</td></tr>
</table></td></tr>
<tr><td></td><td colspan="2">The company has incurred capital cost of Rs 506.21 crore and recurring cost Rs. 142.902 crore (in FY26-27) implement the conditions stipulated by the Ministry of Environment & Forests as well as the State Government. The details of amount incurred is as under:<br><br>Detailed break up of capital cost (up to FY26-27 till the period of September 2026) is given below: -
<table>
<tr><th colspan="3">Capital Cost for Environmental Control Measures till date</th></tr>
<tr><th>Sr no</th><th>Item</th><th>Total in lacs</th></tr>
<tr><td>1</td><td>Dryer bag filer & dedusting system</td><td>669</td></tr>
<tr><td>2</td><td>Alkali Scrubber Smelter-1</td><td>8500</td></tr>
<tr><td>3</td><td>Water Cool hood Smelter-1 Converter 1,2 &3</td><td>1770</td></tr>
</table></td></tr>
</table>

| Sr. No | EC Condition | | Compliance Status |
|---|---|---|---|
| | 4 | Ventilation hood from S & C furnace & bag house | 150 |
| | 5 | ESP's of smelter-III | 518 |
| | 6 | ESP's of CPP | 400 |
| | 7 | Alkali Scrubber of Smelter –III | 694 |
| | 8 | Effluent Treatment –II | 1000 |
| | 9 | Sewage Treatment Plant-II | 100 |
| | 10 | Sulphuric Acid Plant –III | 8595 |
| | 11 | Tail Gas Scrubber SAP-III | 3466.69 |
| | 12 | SLF for ETP waste | 700 |
| | 13 | PG, slag & Fly ash yard- for Phase-III | 2000 |
| | 14 | Bag filters for CHP CPP-III and ash management | 800.38 |
| | 15 | Liberator scrubber | 141 |
| | 16 | PMR plant Bag filter | 50 |
| | 17 | Fluorine scrubbing system in PAP-III | 203.08 |
| | 18 | Scrubbing system for DAP-III plant | 300 |
| | 19 | Green belt development | 600 |
| | 20 | Tertiary Water Recycling Unit | 6754 |
| | 21 | Wind fencing for coal yard | 1395 |
| | 22 | SLF9 for ETP waste | 3551 |
| | 23 | PS Convertor replacement & upgradation | 7750 |
| | 24 | VOC Analyser | 62 |
| | 25 | Smelter-1 and SAP-1 Off gas management | 401 |
| | 26 | IOT based data logger | 33 |
| | 27 | Mist Cannon | 12 |
| | 28 | Automatic weather monitoring | 2 |
| | 29 | LED Display board | 4 |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|

| | | |
|---|---|---|
| | Total in Lakhs | 50621 |
| | Total in crore | 506.21 |

The detailed break-up of Recurring cost for FY26-27 (till September 2026) is given below:-

| Sr.No. | Details | Expenditure (in Lacs. Rs.) for period of April-26 to -26 |
|---|---|---|
| 1 | Effluent Treatment Plant (main) | |
| | (a) Chemical Consumption | 2845.04 |
| | (b) Repair and Maintenance | 138.07 |
| | (c) Electrical Cost | 22.03 |
| | (d) Secured land fill facility | 438.43 |
| | (e) ETP Waste handling and compaction | 382.51 |
| 2 | Solid Waste Management | |
| | (a) Gypsum handling & compaction | 1274.00 |
| | (b) Slag & ash handling | |
| 3 | Sulphuric Acid Plants | |
| | (a) Consumption of chemical, fuel, etc. | 4920.13 |
| | (b) Repair and Maintenance | 2064.30 |
| | (c) Electrical Cost | 25.28 |
| 4 | Environmental Monitoring and Studies | 44.38 |
| | Environmental Revenue expenditure | 111.554 |
| 5 | Smelter, Refinery & PMR plant | |
| | (a) Bag filter replacement | |
| | (b) Scrubber operation | 986 |
| | (c) ESP operation | 16 |
| | (d) Bag filter, Scrubber & ESP Smelter-3 | 442.85 |
| | (e) PMR plant | 30 |
| | Concentrate Dryer Bag Filter Cost | 6 |

<table>
<tr><th>Sr. No</th><th colspan="2">EC Condition</th><th colspan="2">Compliance Status</th></tr>
<tr><td></td><td colspan="2"></td><td colspan="2"><table>
<tr><td>6</td><td>Captive Power Plants</td><td></td></tr>
<tr><td></td><td>(a) ESP, I D fan & Ash handling operation</td><td>416.61</td></tr>
<tr><td>7</td><td>Horticulture / green belt work</td><td>127.03</td></tr>
<tr><td></td><td>Total</td><td>14290.22</td></tr>
</table></td></tr>
<tr><td>11</td><td colspan="2">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.</td><td colspan="2">Complied.<br>The six-monthly compliance status of Environment Clearance conditions along with monitoring reports are uploaded on Parivesh Portal on a six monthly basis. Additionally, soft copy of the same is shared with Regional Office of MoEFCC at Gandhinagar, as well as the respective Zonal Office of CPCB and SPCB through email.<br><br>The acknowledgement copy of submitted six monthly report for the period of Oct 2025 – March 2026 is given below:<br><br>Please note that Ministry Regional Office for Hindalco, Birla Copper is in Gandhinagar</td></tr>
</table>

<table>
<tr><th>Sr. No</th><th>EC Condition</th><th>Compliance Status</th></tr>
<tr><td colspan="3">
<table>
<tr><th colspan="2">Your (Half Yearly Compliance Report) has been Submitted with following details</th></tr>
<tr><td>Proposal No</td><td>J- 11011/85/2002-IA II (I)</td></tr>
<tr><td>Compliance ID</td><td>685440778</td></tr>
<tr><td>Compliance Number(For Tracking)</td><td>EC/M/COMPLIANCE/685440778/2026</td></tr>
<tr><td>Reporting Year</td><td>2026</td></tr>
<tr><td>Reporting Period</td><td>01 Jun(01 Oct - 31 Mar)</td></tr>
<tr><td>Submission Date</td><td>15-05-2026</td></tr>
<tr><td>RO/SRO Name</td><td>Shri Satya Prakash Negi</td></tr>
<tr><td>RO/SRO Email</td><td>jhk119@ifs.nic.in</td></tr>
<tr><td>State</td><td>GUJARAT</td></tr>
<tr><td>RO/SRO Office Address</td><td>Integrated Regional Offices, Gandhi Nagar</td></tr>
<tr><td colspan="2">Note:- SMS and E-Mail has been sent to Shri Satya Prakash Negi, GUJARAT with Notification to Project Proponent.</td></tr>
</table>
</td></tr>
<tr><td>12</td><td>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 Forest at</td><td>Complied<br><br>The Environmental Clearance granted for the project was duly publicized in compliance with the stipulated conditions. Information regarding the grant of Environmental Clearance was published in two widely circulated newspapers, namely Times of India dated 21.02.2004 and Gujarat Samachar dated 20.02.2004</td></tr>
</table>

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| | 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 Office. | (vernacular language). Copies of the advertisements, along with the compliance letter, were submitted to the MoEF vide letter No. IGCL/TIC/01 dated 24.02.2004.<br><br>The condition has been complied with. |
| **13** | 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. | **Complied**<br>The Company had informed the Regional Office of the Ministry as well as the concerned authorities regarding the financial closure, final approval of the project, and commencement of land development activities, as applicable, in accordance with the stipulated Environmental Clearance conditions.<br>Hence, the condition has been complied with. |

# Hindalco Industries Limited

**Unit: Birla Copper, Dahej**

**Compliance to conditions of Environmental Clearance No. J-11011/220/2004-I A II (I) dated 18th March 2005**

**(Six monthly compliance report from April 2026 to September 2026)**

Phase-III Copper Smelter expansion project by M/s Hindalco Industries Limited from 2, 50,000 TPA to 5, 00,000 TPA and From 67.35 to 145.60 MW Captive Power Plants at Village Lakhigam and Dahej, Tehsil Vagra, District Bharuch in Gujarat.

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| **A** | **SPECIFIC CONDITIONS:** | |
| **1** | 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. | **Complied.**<br>There are seven specific conditions and thirteen general conditions stipulated in the Environmental Clearance issued by the Ministry vide Letter No. J-11011/86/2002-IA. II(I) dated 10.02.2004. The unit has complied with all the stipulated conditions, and compliance is being maintained on a continuous basis. |
| **2** | 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 desired efficiency | **Complied.**<br>Air Pollution Control Equipment (APCE), including **Electrostatic Precipitators (ESPs), baghouses, bag filters, and scrubbers**, have been installed across the plant to ensure that gaseous emissions from process units remain well within the standards prescribed by regulatory authorities.<br>The unit has also installed **Tail Gas Scrubber-III (TGS-III)** in the Sulphuric Acid Plant-III during 2018-19, which has significantly enhanced $SO_2$ emission control efficiency. IoT based Continuous Emission Monitoring Systems are provided for all applicable stacks to facilitate real-time monitoring and ensure compliance with prescribed emission norms.<br><br>The emissions are maintained within the stipulated limits. In the event of any pollution control equipment malfunction, the concerned unit is not restarted until the required corrective actions are completed and the desired pollution control efficiency is restored.<br>List of APCE along with photographs of the Air Pollution Control Equipment are attached as **Annexure-1B** |
| | The effluent generation shall not exceed 2655 m3/d (2525 m3/d of | **Complied** |

<table>
<tr><th>Sr. No</th><th>EC Condition</th><th>Compliance Status</th></tr>
<tr><td>3</td><td>industrial effluent and 130 m3/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 (1330m3/d), lime slurry preparation (475m3/d), make up in slag granulation (480m3/d) and gas cleaning section (370m3/d). Domestic effluent shall be treated in the STP and used for green belt development.</td><td>The average industrial effluent generation and domestic effluent generation is within prescribed limit. Treated water is being utilized within the plant. Details are given below: -
<table>
<tr><th>Month</th><th>Effluent generation Per day (KL)</th><th>For green belt development (KL)</th><th>Lime slurry preparation (KL)</th><th>Make up in slag granulation (KL)</th><th>Gas cleaning section (KL)</th></tr>
<tr><td>April 26</td><td>897</td><td>467</td><td>162</td><td>170</td><td>99</td></tr>
<tr><td>May 26</td><td>765</td><td>398</td><td>138</td><td>145</td><td>84</td></tr>
<tr><td>June 26</td><td>1835</td><td>954</td><td>330</td><td>349</td><td>202</td></tr>
<tr><td>July 27</td><td>1921</td><td>999</td><td>346</td><td>365</td><td>211</td></tr>
<tr><td>Aug 26</td><td>1667</td><td>867</td><td>300</td><td>317</td><td>183</td></tr>
<tr><td>Sept 26</td><td>1616</td><td>840</td><td>291</td><td>307</td><td>178</td></tr>
<tr><td>Average</td><td>1450</td><td>754</td><td>261</td><td>276</td><td>160</td></tr>
</table>
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 (2023). The current proposal aims to completely eliminate the remaining 300 KLD effluent through advanced recycling and reuse strategies.<br><br>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.</td></tr>
</table>

<table>
<tr><th>Sr. No</th><th>EC Condition</th><th>Compliance Status</th></tr>
<tr><td>4</td><td>The company shall install cyclone and bag-filter to control the particulate emission in concentrates handling area. The recovered dust shall be recycled</td><td>Complied.<br>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. List of bag filters is as follows:
<table>
<tr><th>Sr. No.</th><th>Location</th><th>Plant</th></tr>
<tr><td>1</td><td>Steam Dryer for copper concentrate. (1)</td><td rowspan="4">Smelter-1</td></tr>
<tr><td>2</td><td>Steam Dryer for copper concentrate. (1A)</td></tr>
<tr><td>3</td><td>Pneumatic Bag Filter/ Concentrate Bag Filter</td></tr>
<tr><td>4</td><td>Dust bag filter at 42 mts.</td></tr>
<tr><td>6</td><td>Dryer for copper concentrate Compartment</td><td rowspan="2">Smelter-3</td></tr>
<tr><td>7</td><td>Feeding Circuit of Smelter-3</td></tr>
</table></td></tr>
<tr><td>5</td><td>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.</td><td>Complied.<br>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.</td></tr>
<tr><td>6</td><td>As per the action plan submitted to the Ministry, the Company shall achieve SO2 emission of 1kg/tonne of sulphuric acid produced. The company shall install scrubber to scrub emissions during start and shut down of H2SO4 plant. The acid mist emission should conform to the prescribed standard of 50mg/Nm3</td><td>Complied.<br>The unit has installed scrubbers for effective SO2 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 SO2 reduction efficiency.<br><br>Kindly refer specific condition no. 02.</td></tr>
<tr><td>7</td><td>To control the total fluoride emission within the prescribed standards of 25mg/Nm3 in the phosphoric acid plant, the company shall provide multistage scrubbers in the phosphoric plant.</td><td>Complied.<br>The phosphoric acid plant is not in operation since April 2020.<br>Hence, this condition is not applicable.</td></tr>
</table>

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| 8 | 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. | **Complied.**<br>The phosphoric acid plant is not in operation since April 2020. Hence Phospho gypsum has stopped.<br><br>Phosphogypsum evacuation has been completed in August 2025, and land has been reclaimed under the supervision of NEERI.<br><br>ETP sludge being generated is sent for co-processing in cement industry.<br><br>Bore wells have been established all around the secured landfill to monitor ground water quality. The ground water quality monitored for the period from April 26 to September 26 is given below: - |

**Period: April-2026 to September-2026**

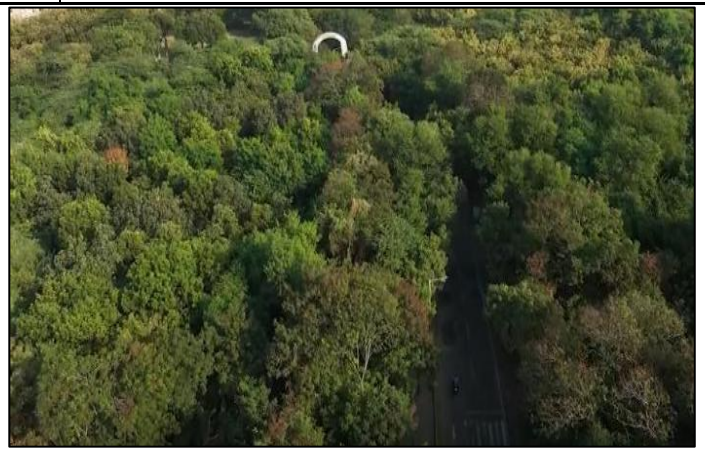
| Sr. No | Sample | Landmark | pH | Copper mg/l | Arsenic mg/l | F mg/l | TDS mg/l | TSS mg/l | Mercury mg/l | Iron mg/l | Nickle mg/l | Lead mg/l | Chromium mg/l | Cadmium mg/l | Zinc mg/l |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | HP-01 | SLF-01 | 8.23 | ND | ND | 0.323 | 11851 | 44 | 0.012 | ND | ND | ND | ND | 0.001 | 0.51 |
| 2 | HP-02 | SLF-02 | 7.44 | ND | ND | 0.009 | 23816 | 47 | 0.010 | ND | ND | ND | ND | 0.002 | 1.01 |
| 3 | HP-03 | SLF-03 | 6.87 | ND | ND | 0.006 | 39017 | 99 | 0.009 | ND | ND | ND | ND | ND | 2.07 |
| 4 | HP-04 | Slag Plant | 7.28 | ND | ND | 0.056 | 33052 | 75 | 0.010 | ND | ND | ND | ND | ND | 1.54 |
| 5 | HP- 05 | SLF-04 | 7.80 | ND | ND | 0.210 | 7782 | 50 | 0.010 | ND | ND | ND | ND | ND | 1.88 |
| 6 | HP- 06 | SLF-07 | 7.46 | ND | ND | 0.048 | 25023 | 162 | 0.011 | ND | ND | ND | ND | ND | 1.71 |
| 7 | HP-07 | SLF-06 | 7.32 | ND | ND | 0.064 | 39299 | 108 | 0.012 | ND | ND | ND | ND | ND | 4.76 |
| 8 | HP-08 | SLF-06 | 8.61 | ND | ND | 0.091 | 4864 | 138 | 0.010 | ND | ND | ND | ND | ND | ND |
| 9 | HP- 08A | SLF-08A | 7.83 | ND | ND | 0.140 | 17644 | 121 | 0.011 | ND | ND | ND | ND | ND | 0.9 |
| 10 | HP- 08B | SLF-08B | 8.56 | ND | ND | ND | 8232 | 152 | 0.010 | ND | ND | ND | ND | ND | 3.91 |
| 11 | HP-09 | SLF-9 | 7.78 | ND | ND | 0.026 | 27110 | 114 | 0.010 | ND | ND | ND | ND | ND | 1.8 |
| 12 | HP- 10 | SLF-08B | 8.14 | ND | ND | 0.071 | 18688 | 71 | 0.011 | ND | ND | ND | ND | ND | 0.78 |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | HP- 11A | SLF-9 | 6.66 | ND | ND | ND | 58461 | 151 | 0.010 | ND | ND | ND | ND | ND | 0.36 |
| 14 | HP- 11B | SLF-9 | 6.28 | ND | ND | ND | 56873 | 87 | 0.010 | ND | ND | ND | ND | ND | 0.97 |

| | | |
|---|---|---|
| **9** | 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. | **Complied**<br>A well-developed greenbelt has been established around the plant boundary and within the project premises to mitigate fugitive emissions and improve the local environment. The total greenbelt area developed is approximately 123.5 ha, exceeding the stipulated requirement of 106.11 ha, with around 240,055 trees planted within the plant premises. Additionally, about 3,000 native tree saplings were planted outside the plant near the Material Gate and adjoining areas during September 2026.<br>The plantation has been carried out using native and pollution-tolerant species in consultation with the Divisional Forest Officer (DFO) and in accordance with CPCB guidelines. Regular plantation drives, gap-filling activities, maintenance, irrigation, and survival monitoring are being undertaken to further strengthen and sustain the greenbelt. Photographs are enclosed below for reference. |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|



Greenbelt near Township



Greenbelt near Material gate



New Plantation in near township gate



Plantation outside plant boundary -Gate no.6

| Sr. No | EC Condition | Compliance Status |
|---|---|---|



Plantation near coal yard



Plantation near North-Eastern plant boundary

The details of year-wise green belt plantation are given below: -

| Year of Plantation | Location | No. of Trees planted | Survival Rate (%) | No. of plants survived | Area covered in plantation (Ha) |
|---|---|---|---|---|---|
| Till FY20 | Plant & Township | 219905 | 87% | 191317 | 106.29 |
| FY-21 | | 1972 | 85% | 1676 | 0.93 |
| FY-22 | | 7905 | 82% | 6482 | 3.6 |
| FY-23 | | 2912 | 90% | 2621 | 1.46 |
| FY-24 | | 15378 | 89% | 13686 | 7.6 |
| FY-25 | | 3242 | 90% | 2918 | 1.62 |
| FY-26 | | 21741 | 85% | 18480 | 2.0 |
| FY-27 | | 3382 | 85% | 2875 | Gap filling |
| Total till Sept-26 | | 276437 | 87% | 240055 | 123.50 |

List of Native Species planted: -

Ailanthus excelsa, Azadirachta indica, Cassia fistula, Casuarina equisetifolia, Ceiba pentandra, Dalbergia sissoo, Ficus bengalensis, Ficus elastica, Ficus religiosa, Pandanus species, Peltophorum ferruginium, Pithecellobium dulce, Plumeria alba, Polyalthea longifolia, Samania saman, Tamarindus indica, Terminalia cuttapa, Thespesia populnea etc.

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| **10** | The company shall firm up the action plan for solid waste management and submitted to the Ministry | **Complied**<br>The unit has established and implemented a comprehensive solid waste management system for the handling, storage, utilization, and disposal of by-products including Copper Granulated Slag, and Fly Ash.<br>Dedicated storage facilities are provided for Copper Slag while Fly Ash is stored in RCC silos and transferred through closed bulkers using telescopic chutes to prevent fugitive emissions.<br><br>Accordingly, the action plan for solid waste management is being effectively implemented and monitored.<br>The disposal/utilization details of Fly Ash and Copper Slag for the compliance period from April 2026 to September 2026 are provided below. |

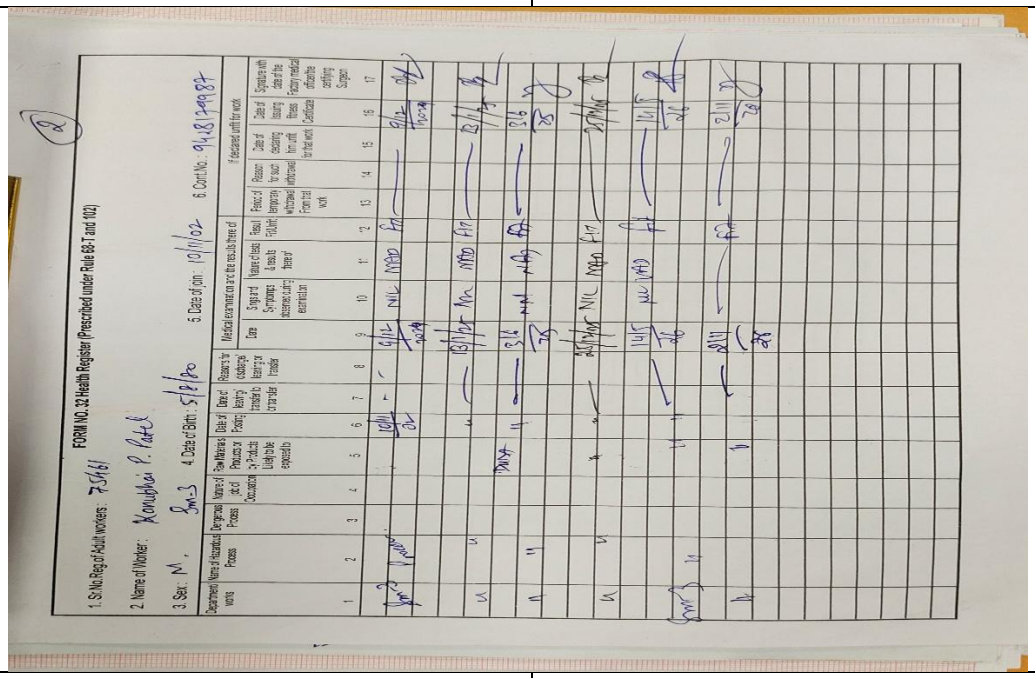
| **Hindalco Industries Limited (Unit- Birla Copper, Dahej)** | | | | | | |
|---|---|---|---|---|---|---|
| **Disposal details of Fly ash, copper slag and Phosphogypsum from April 2026 to September 2026** | | | | | | |
| **Month** | **Granulated Slag** | | **Fly Ash** | | **Phosphogypsum** | |
| | **Generation** | **Dispatch** | **Generation** | **Dispatch** | **Generation** | **Dispatch** |
| | **MT** | **MT** | **MT** | **MT** | **MT** | **MT** |
| April 26 | 54274 | 85087 | 4043 | 4043 | 0 | 0 |
| May 26 | 22092 | 20552 | 3357 | 3357 | 0 | 0 |
| June 26 | 53665 | 59477 | 5937 | 5937 | 0 | 0 |
| July 26 | 70062 | 76465 | 6253 | 6253 | 0 | 0 |
| Aug 26 | 69949 | 79530 | 7559 | 7559 | 0 | 0 |
| Sept 26 | 64715 | 68892 | 5461 | 5461 | 0 | 0 |

| **Month/Waste Name** | **Disposal Medium** | **April 26** | **May 26** | **June 26** | **July 26** | **Aug 26** | **Sept26** | **Total (YTD)** |
|---|---|---|---|---|---|---|---|---|
| | | **Qty (MT)** | **Qty (MT)** | **Qty (MT)** | **Qty (MT)** | **Qty (MT)** | **Qty (MT)** | **Qty (MT)** |
| Copper Slag | Abrasive | 11353 | 3090 | 25642 | 20174 | 20687 | 22207 | 103153 |

<table>
<tr><th>Sr. No</th><th colspan="2">EC Condition</th><th colspan="8">Compliance Status</th></tr>
<tr><td></td><td colspan="2"><table>
<tr><td></td><td>Cement</td><td>8897</td><td>6085</td><td>11363</td><td>36660</td><td>40889</td><td>27357</td><td>131251</td></tr>
<tr><td></td><td>RMC</td><td>15266</td><td>9283</td><td>14554</td><td>12678</td><td>17761</td><td>15561</td><td>85103</td></tr>
<tr><td></td><td>Construction</td><td>49491</td><td>2011</td><td>7888</td><td>6902</td><td>138</td><td>3697</td><td>70127</td></tr>
<tr><td></td><td>Industrial</td><td>80</td><td>83</td><td>30</td><td>51</td><td>56</td><td>70</td><td>370</td></tr>
<tr><td></td><td>Total</td><td>85087</td><td>20552</td><td>59477</td><td>76465</td><td>79530</td><td>68892</td><td>390003</td></tr>
</table>
<table>
<tr><td rowspan="2">Month/Waste Name</td><td rowspan="2">Disposal Medium</td><td>April 26</td><td>May 26</td><td>June 26</td><td>July 26</td><td>Aug 26</td><td>Sept26</td><td>Total</td></tr>
<tr><td>Qty (MT)</td><td>Qty (MT)</td><td>Qty (MT)</td><td>Qty (MT)</td><td>Qty (MT)</td><td>Qty (MT)</td><td>Qty (MT)</td></tr>
<tr><td rowspan="4">Fly Ash</td><td>Bricks</td><td>1,608</td><td>2,181</td><td>2811</td><td>2,990</td><td>4334.34</td><td>3,236</td><td>17160</td></tr>
<tr><td>Cement</td><td>2,232</td><td>1,175</td><td>2408</td><td>3,263</td><td>2754.02</td><td>2,186</td><td>14018</td></tr>
<tr><td>Road Construction</td><td>203</td><td>0</td><td>718</td><td>0</td><td>470.77</td><td>39</td><td>1431</td></tr>
<tr><td>Total</td><td>4043</td><td>3356</td><td>5937</td><td>6253</td><td>7559.13</td><td>5461</td><td>32609</td></tr>
</table></td></tr>
<tr><td>11</td><td colspan="2">The company shall take measures for harvesting the rainwater to recharge the ground water.</td><td colspan="8">Complied<br>Rain Water Harvesting structure of 37,500 KL capacity is constructed in the eastern part of plant premises.</td></tr>
<tr><td>[B]</td><td colspan="2">GENERAL CONDITIONS:</td><td colspan="8"></td></tr>
<tr><td>1</td><td colspan="2">The project authorities must strictly adhere to the stipulations made by the Gujarat State Pollution Control Board.</td><td colspan="8">Complied.<br>The unit has obtained a valid Consolidated Consent and Authorization from the Gujarat Pollution Control Board for carrying out its manufacturing activities.<br>The latest CCA copy of HIL is attached as Annexure-10.<br>The unit complies with all specific and general conditions stipulated under the CC&A, including provisions related to air pollution control, water pollution control, and hazardous waste management. Compliance is maintained through adherence to the requirements of GPCB, the State Government, and other statutory authorities, ensuring effective environmental management and regulatory compliance</td></tr>
</table>

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| **2** | 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. | **Complied.**<br>The condition is noted and shall be strictly complied with. Any expansion or modification of the plant, will be undertaken only after obtaining prior approval from the Ministry and other concerned statutory authorities, as applicable. |
| **3** | 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. | **Complied**<br>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 from Factories Inspectorate is attached as **Annexure-14**<br>The Rules and regulations under Manufacture, storage and import of hazardous chemicals rules, 1989 and its amendments thereof. is complied with. The necessary permission is attached as **Annexure-15**<br>The company has already obtained necessary licenses from Controller of Explosives, the necessary permission is attached as **Annexure-16**<br>Boiler inspectorate permission is attached as **Annexure-17** |
| **4** | 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 | **Complied**<br>The unit is complying with the provisions of the **Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016** and has obtained valid authorization from the Gujarat Pollution Control Board (GPCB) for the generation, storage, transportation, and disposal of hazardous waste.<br>The Annual Return in **Form-IV** for FY 2025-26 was submitted to GPCB on **09 June 2026** and is attached as **Annexure 24** |
| **5** | 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 | **Complied.**<br>Unit has taken the following noise control measures has been undertaken: |

<table>
<tr><th>Sr. No</th><th>EC Condition</th><th>Compliance Status</th></tr>
<tr><td></td><td>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 (night-time).</td><td>
<ul>
<li>All the vibrating parts is being checked periodically and serviced to reduce the noise generation.</li>
<li>The equipment, which is prone to generate excessive noise, is provided with enclosures etc.</li>
<li>To minimize the adverse effects on the health, earmuffs/ear-plugs is being provided to the workers working under high noise area.</li>
<li>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.</li>
<li>Only vehicles with PUC's are allowed for the transportation.</li>
</ul>
The average analysis results of ambient noise level monitoring for the compliance period April 26 to Sept 26 is given below:
<table>
<tr><td>Noise Measurement (April 26 to Sept 26)</td><td>Day time</td><td>Night-time</td></tr>
<tr><td>Location</td><td>Noise Level in dB(A)</td><td>Noise Level in dB(A)</td></tr>
<tr><td>Near Township opp. to Arogya</td><td>61.0</td><td>60.4</td></tr>
<tr><td>Near 16 ha opp. to Smelter-III</td><td>61.1</td><td>60.7</td></tr>
<tr><td>Near YMA Hostel</td><td>62.1</td><td>61.2</td></tr>
<tr><td>Near Jetty Platform</td><td>63.3</td><td>62.7</td></tr>
</table>
Additionally, ambient noise monitoring is being conducted through the GPCB, CPCB, MoEF&CC approved and NABL-accredited laboratory – M/s. Green Leaf Envirotech Ltd. The approval letter from GPCB, CPCB, MoEF&CC approved and the NABL accreditation certificate is attached as Annexure-
</td></tr>
</table>

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| | | Noise Monitoring report for the period of April 26 to Sept 26 is attached as **Annexure-11** |
| **6** | 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 centre should be strengthened, and the medical records of each employee should be maintained separately. | **Complied**<br>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.<br><br>Sample Record is during the period of April 26 to September 26 is attached as below: |
| | |  |
| **7** | The project proponent should have a scheme for social up liftment in the surrounding villages with reference to contribution in road | **Complied**<br>A Socio-economic study has been conducted in 12 villages, within 12 km |

<table>
<tr><th>Sr. No</th><th>EC Condition</th><th>Compliance Status</th></tr>
<tr><td></td><td>construction, education of Children, festivals, health centres, sanitation facilities, drinking water supply, community awareness and employment to local people whenever and wherever possible both for technical and non-technical jobs</td><td>radius of Birla Copper plant in Dahej, district Bharuch by M/s Fulcrum in August 2025, the same is attached as Annexure-23<br><br>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.<br>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.<br>The company has implemented a range of CSR activities focusing on health, education, skill development, women empowerment, and infrastructure development. Notable initiatives include:<br>• Healthcare: Regular monthly health camps benefiting local communities.<br>• Education: Support for schools, including infrastructure enhancement and scholarships.<br>• Infrastructure: Construction of school buildings, sewage drainage in Lakhigam village, and provision of water supply to Dahej and Lakhigam.<br>• 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.<br>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 as under:<br><table><tr><th colspan="4">CSR data from April 2026 to September 2026</th></tr><tr><th>CSR data from April 2026 to September 2026</th><th>No. of Activities</th><th>Beneficiaries</th><th>No. of Villages Benefited</th></tr></table></td></tr>
</table>

<table>
<tr><th>Sr. No</th><th>EC Condition</th><th colspan="4">Compliance Status</th></tr>
<tr><td></td><td></td><td>Education</td><td>2</td><td>14672</td><td>72</td></tr>
<tr><td></td><td></td><td>Health</td><td>30</td><td>4130</td><td>30</td></tr>
<tr><td></td><td></td><td>Sustainable livelihood</td><td>0</td><td>0</td><td>0</td></tr>
<tr><td></td><td></td><td>Social</td><td>3</td><td>21090</td><td>14</td></tr>
<tr><td></td><td></td><td>Others</td><td>-</td><td>-</td><td>-</td></tr>
<tr><td></td><td></td><td>Infrastructure development</td><td>-</td><td>-</td><td>-</td></tr>
<tr><td></td><td></td><td>Total</td><td>35</td><td>39892</td><td>116</td></tr>
<tr><td></td><td colspan="5">The details of activities carried out under CSR and ESG undertaken by Birla Copper is given below:</td></tr>
</table>

| Sr. No | EC Condition | Compliance Status |
|---|---|---|



Sanitation Blocks constructed in 20 villages



Empowering Differently Abled Persons Project in 05 Villages




Computer centre provided for primary school students at Dahej




Supported District Administration by providing 500 Safety Jackets and 200 Lifebuoy Rings for the Safety of Narmada Parikrama Vasis



04 kms Drainage facility provided at Lakhigam




Support of Manhole Cleaning Robot to the Grampanchayat Dahej



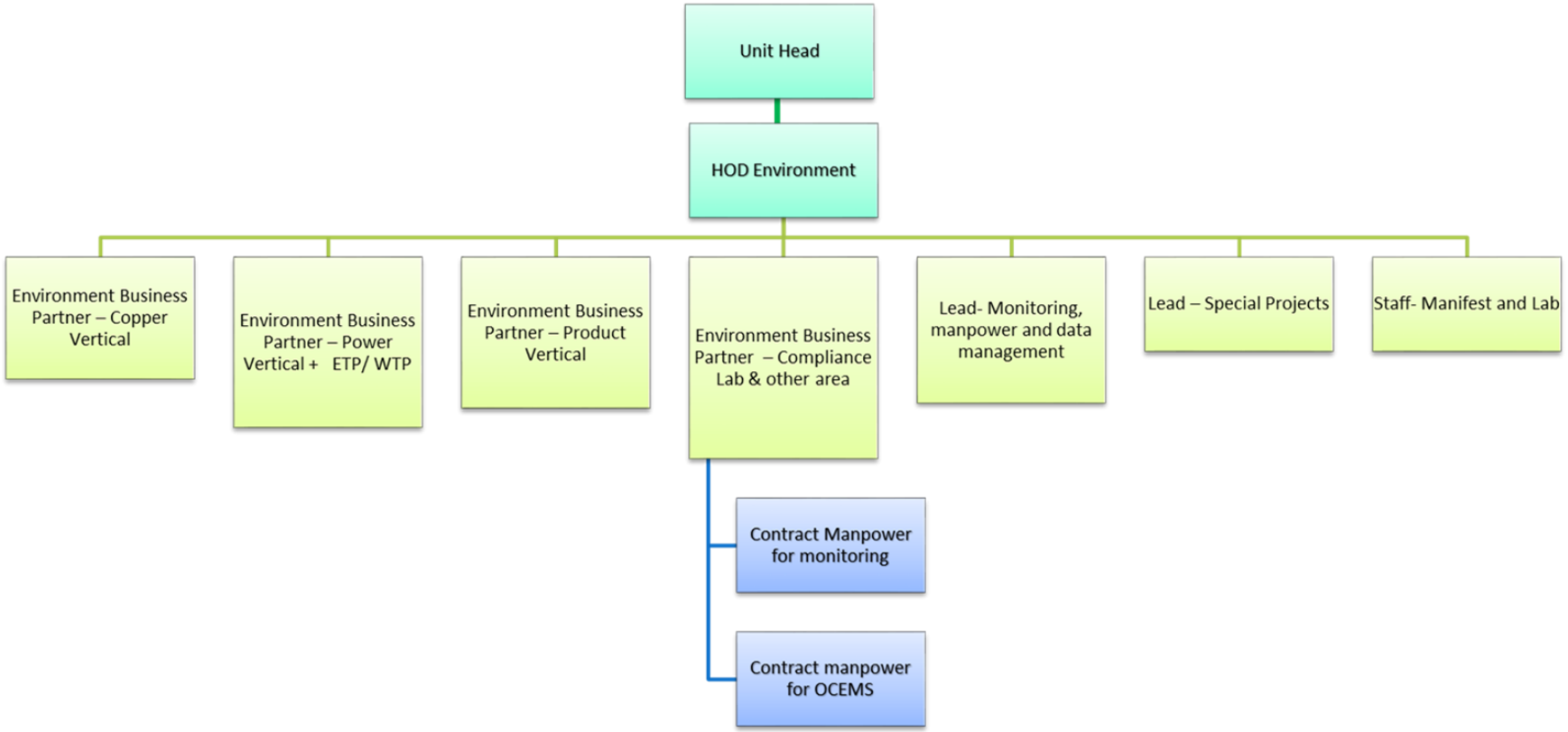
Pond Beautification work at Lakhigam



RO Water ATM Support

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| |  Education Material distribution around 13,700 rural students of 96 government primary, secondary and higher secondary schools of Vagra and Bharuch Taluka<br> Mobile Health Unit service in 14 villages<br> Bus Transportation Services for Rural Students<br> Cattle Development Project<br> Community Center at Lakhigam<br> Housing project for BPL families of Dahej & Lakhigam<br> Basic Sewing Trainings in 03 villages<br> Dental care camps<br> Support for Mass Marriage at Dahej | |
| **8** | The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA and Risk analysis report | **Complied.**<br>The recommendations made in the EMP based on EIA report by Ernst & Young Consultancy services are implemented. |
| **9** | A separate Environmental Management Cell equipped with full-fledged laboratory facilities must be set up to carry out the Environmental Management and monitoring functions. | **Complied.**<br>A separate Environmental Management Cell equipped with full-fledged laboratory facilities is set up to carry out the environmental Management and monitoring functions.<br>A full-fledged separate Environmental Laboratory is set up and equipped with all necessary instruments/ equipment's. The following equipment and consumable are available in the laboratory: |

<table>
<tr><th>Sr. No</th><th>EC Condition</th><th>Compliance Status</th></tr>
<tr><td></td><td></td><td>
<table>
<tr><th>S.No.</th><th>Environment Monitoring Equipment</th><th>S.No.</th><th>Environment Monitoring Equipment</th></tr>
<tr><td>1</td><td>CAAQMS (04)</td><td>11</td><td>OCEMS (36)</td></tr>
<tr><td>2</td><td>Atomic Absorption Spectrophotometer</td><td>12</td><td>Weather station</td></tr>
<tr><td>3</td><td>PM2.5, PM10 Combo</td><td>13</td><td>Stack Monitoring Kit (2)</td></tr>
<tr><td>4</td><td>Noise Level monitors (02)</td><td>14</td><td>Handheld SO2, NH3, HF and VOC analyser</td></tr>
<tr><td>5</td><td>Multi gas Analyzer (SO2, NOx, CO2, HC, O2, and CO)</td><td>15</td><td>Ion selected Fluoride analysers</td></tr>
<tr><td>6</td><td>Spectrophotometer (visible range)</td><td>16</td><td>BOD incubator</td></tr>
<tr><td>7</td><td>COD reflux set up</td><td>17</td><td>Single pan balance</td></tr>
<tr><td>8</td><td>Relevant chemicals as per IS 5182</td><td>18</td><td>Hot Air Oven</td></tr>
<tr><td>9</td><td>Stopwatch</td><td>19</td><td>Thermometer</td></tr>
<tr><td>10</td><td>PH Meter</td><td>20</td><td>Titration set</td></tr>
</table>
Environment organization chart is given below:
</td></tr>
</table>

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| |  | |

<table>
<tr><th>Sr. No</th><th>EC Condition</th><th>Compliance Status</th></tr>
<tr><td>10</td><td>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.</td><td>Complied.<br>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 MoEF&CC and the State Government. The implementation of these measures has been successfully carried out, ensuring compliance with regulatory requirements.<br><br>The total year wise capital and recurring expenditure incurred on key environmental infrastructure includes:<br><br>
<table>
<tr><th>Year</th><th>Capital Cost in lacs. (Cumulative)</th><th>Recurring Cost in Lacs.</th></tr>
<tr><td>2017-18</td><td>16357</td><td>7767.45</td></tr>
<tr><td>2018-19</td><td>30137</td><td>9984.0</td></tr>
<tr><td>2019-20</td><td>30137</td><td>9782.39</td></tr>
<tr><td>2020-21</td><td>38806</td><td>8536.75</td></tr>
<tr><td>2021-22</td><td>38806</td><td>13319.39</td></tr>
<tr><td>2022-23</td><td>38806</td><td>13578.52</td></tr>
<tr><td>2023-24</td><td>42357</td><td>14703.71</td></tr>
<tr><td>2024-25</td><td>42357</td><td>11486.88</td></tr>
<tr><td>2025-26</td><td>42357</td><td>14178.67</td></tr>
<tr><td>2026-27 (till Sep 2026)</td><td>50621</td><td>14290.22</td></tr>
</table>
</td></tr>
<tr><td></td><td colspan="2">The company has incurred capital cost of Rs 506.21 crore and recurring cost Rs. Rs. 142.902 crore (in FY26-27) implement the conditions stipulated by the Ministry of Environment & Forests as well as the State Government. The details of amount incurred is as under:</td></tr>
</table>

| Sr. No | EC Condition | Compliance Status |
|---|---|---|

Detailed break up of capital cost (up to FY26-27 till the period of September 2026) is given below: -

| Capital Cost for Environmental Control Measures till date | | |
|---|---|---|
| **Sr no** | **Item** | **Total in lacs** |
| 1 | Dryer bag filer & dedusting system | 669 |
| 2 | Alkali Scrubber Smelter-1 | 8500 |
| 3 | Water Cool hood Smelter-1 Converter 1,2 &3 | 1770 |
| 4 | Ventilation hood from S & C furnace & bag house | 150 |
| 5 | ESP's of smelter-III | 518 |
| 6 | ESP's of CPP | 400 |
| 7 | Alkali Scrubber of Smelter –III | 694 |
| 8 | Effluent Treatment –II | 1000 |
| 9 | Sewage Treatment Plant-II | 100 |
| 10 | Sulphuric Acid Plant –III | 8595 |
| 11 | Tail Gas Scrubber SAP-III | 3466.69 |
| 12 | SLF for ETP waste | 700 |
| 13 | PG, slag & Fly ash yard- for Phase-III | 2000 |
| 14 | Bag filters for CHP CPP-III and ash management | 800.38 |
| 15 | Liberator scrubber | 141 |
| 16 | PMR plant Bag filter | 50 |
| 17 | Fluorine scrubbing system in PAP-III | 203.08 |
| 18 | Scrubbing system for DAP-III plant | 300 |
| 19 | Green belt development | 600 |
| 20 | Tertiary Water Recycling Unit | 6754 |
| 21 | Wind fencing for coal yard | 1395 |
| 22 | SLF9 for ETP waste | 3551 |
| 23 | PS Convertor replacement & upgradation | 7750 |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|

| | | |
|---|---|---|
| 24 | VOC Analyser | 62 |
| 25 | Smelter-1 and SAP-1 Off gas management | 401 |
| 26 | IOT based data logger | 33 |
| 27 | Mist Cannon | 12 |
| 28 | Automatic weather monitoring | 2 |
| 29 | LED Display board | 4 |
| | Total in Lakhs | 50621 |
| | Total in crore | 506.21 |

The detailed break-up of Recurring cost for FY26-27 (till September 2026) is given below:-

| Sr.No. | Details | Expenditure (in Lacs. Rs.) for period of April-26 to -26 |
|---|---|---|
| 1 | Effluent Treatment Plant (main) | |
| | (a) Chemical Consumption | 2845.04 |
| | (b) Repair and Maintenance | 138.07 |
| | (c) Electrical Cost | 22.03 |
| | (d) Secured land fill facility | 438.43 |
| | (e) ETP Waste handling and compaction | 382.51 |
| 2 | Solid Waste Management | |
| | (a) Gypsum handling & compaction | 1274.00 |
| | (b) Slag & ash handling | |
| 3 | Sulphuric Acid Plants | |
| | (a) Consumption of chemical, fuel, etc. | 4920.13 |
| | (b) Repair and Maintenance | 2064.30 |
| | (c) Electrical Cost | 25.28 |
| 4 | Environmental Monitoring and Studies | 44.38 |
| | Environmental Revenue expenditure | 111.554 |
| 5 | Smelter, Refinery & PMR plant | |

| Sr. No | EC Condition | | Compliance Status | |
|---|---|---|---|---|
| | | | (a) Bag filter replacement | |
| | | | (b) Scrubber operation | 986 |
| | | | (c) ESP operation | 16 |
| | | | (d) Bag filter, Scrubber & ESP Smelter-3 | 442.85 |
| | | | (e) PMR plant | 30 |
| | | | Concentrate Dryer Bag Filter Cost | 6 |
| | | 6 | Captive Power Plants | |
| | | | (a) ESP, I D fan & Ash handling operation | 416.61 |
| | | 7 | Horticulture / green belt work | 127.03 |
| | | | Total | 14290.22 |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| **11** | 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. | **Complied.**<br>The six-monthly compliance status of Environment Clearance conditions along with monitoring reports are uploaded on Parivesh Portal on a six monthly basis. Additionally, soft copy of the same is shared with Regional Office of MoEFCC at Gandhinagar, as well as the respective Zonal Office of CPCB and SPCB through email.<br><br>The acknowledgement copy of submitted six monthly report for the period of Oct 2025 – March 2026 is given below:<br><br>Please note that Ministry Regional Office for Hindalco, Birla Copper is in Gandhinagar |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|

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

| | |
|---|---|
| **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.

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| **12** | 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. | **Complied.**<br>The Company had duly informed the public about the grant of Environmental Clearance for the project by publishing notices in two widely circulated newspapers, namely **Gujarat Samachar** (vernacular language) and **The Times of India**, both dated **02.04.2005**. The published notices included information regarding the availability of the Environmental Clearance letter with the State Pollution Control Board and on the Ministry's website. Copies of the advertisements were also forwarded to the concerned Regional Office as stipulated.<br>Accordingly, the condition has been complied with. |
| **13** | 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. | **Complied**<br>The Company had informed the Regional Office of the Ministry as well as the concerned authorities regarding the financial closure, final approval of the project, and commencement of land development activities, as applicable, in accordance with the stipulated Environmental Clearance conditions.<br>Accordingly, the condition has been complied with. |

**Hindalco Industries Limited**
**Unit: Birla Copper, Dahej**
**Compliance to conditions of Environmental Clearance No. J-11011/927/2008 -I A II (I) dated 11th Feb 2009.**
**(Six monthly compliance report from April 2026 to September 2026)**

Expansion of Continuous Cast Copper Rod (CCR) Plant (120000 to 240000 TPA) by de-bottlenecking at GIDC Industrial Area, Dahej, Lakhigam, District Bharuch by M/s Hindalco Industries Limited (Unit: Birla Copper, Dahej).

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| **A** | **SPECIFIC CONDITION** | |
| 1 | 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. | **Complied.**<br><br>The Company has complied with all the stipulations prescribed in the Environmental Clearance granted by the Ministry vide Letter No. **J-11011/220/2004-IA.II(I) dated 18.03.2005**. This Environmental Clearance contains **11 specific conditions and 13 general conditions**, and compliance against all stipulated conditions has been ensured and is being maintained. |
| 2 | The company shall install sufficient air pollution control equipment's to comply with the emission norms prescribed by the Gujarat Pollution Control Board. | Complied.<br>The gaseous emissions from various process units are maintained within the standards prescribed by GPCB/CPCB. Air Pollution Control Equipment (APCEs), including ESPs, baghouses, bag filters, and scrubbers, have been installed and are operated effectively to ensure emissions remain well within the stipulated norms<br><br>The list of Bag filters, ESPs and Scrubbers along with photographs is attached as **Annexure-1B** |
| | | |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| 3 | 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. | **Complied.**<br><br>Environmental monitoring activities, including stack emission, ambient air quality, effluent quality, and noise levels, are being conducted through the GPCB, CPCB & MoEF&CC approved, NABL-accredited laboratory – M/s. Green Leaf Envirotech Ltd.<br><br>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, $SO_2$, and $NO_x$ in compliance with the conditions stipulated under the Consolidated Consent & Authorization (CC&A). The emission monitoring reports are periodically submitted to the Ministry of Environment, Forest & Climate Change (MoEF&CC) and its Regional Office on six monthly basis along with EC compliance report.<br><br>All installed IoT based CEMS are integrated with the CPCB server, ensuring continuous data transmission and regulatory compliance<br><br>The approval letter of 3rd party from GPCB, MoEF&CC, and the NABL accreditation certificate is attached as **Annexure 1C** |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|

Photograph of location-wise installation of CEMS is given below:



CEMS at SAP-1



CEMS at CCR-1



CEMS at CPP-1




CEMS at Smelter-1 Scrubber

The stack analysis report of NABL accredited for the period of April 2026 to September 2026 is attached as **Annexure-1**

The average of stack monitoring data from the NABL accredited laboratory for the period from April 2026 to September 2026 is given below: -

| | | SO2 | | NOx | | PM | |
|---|---|---|---|---|---|---|---|
| Sr No | Stack list at Birla Copper | GPCB Norms | Observed | GPCB Norms | Observed | GPCB Norms | Observed |
| | | | Value | | Value | | value |
| 1 | Dore furnace of PMR | 100 ppm | 53.08 | 50 ppm | 23.47 | 150 mg/Nm3 | 69.63 |
| 2 | Sulphuric acid Preheater I | 100 ppm | 68.60 | 50 ppm | 24.87 | 150 mg/Nm3 | 84.22 |
| 3 | Captive Power Plant (CPP-I) CFBC Boiler 35 MW | 600 mg/Nm3 | 299.91 | 600 mg/Nm3 | 142.17 | 150 mg/Nm3 | 69.89 |
| 4 | Shaft furnace of CCR plant-I | 100 ppm | ND | 50 ppm | ND | 150 mg/Nm3 | 84.23 |
| 5 | Shaft furnace of CCR -II | Removed | | | | | |
| 6 | Sulphuric acid Pre-heater-III | 100 ppm | 55.43 | 50 ppm | 30.38 | 150 mg/Nm3 | 78.30 |
| 7 | Captive Power Plant (CPP-II) AFBC Boiler 15.35 MW | Removed | | | | | |
| 8 | Captive Power Plant (CPP-III) CFBC Boiler 60 | 600 mg/Nm3 | 363.55 | 300 mg/Nm3 | 113.84 | 150 mg/Nm3 | 36.59 |

| Sr. No | EC Condition | | | Compliance Status | | | |
|---|---|---|---|---|---|---|---|
| | MW | | | | | | |
| 9 | Shaft furnace of CCR-III | 100 ppm | ND | 50 ppm | ND | 150 mg/Nm3 | 78.62 |
| 10 | Anode Casting of Smelter-I | 40 mg/Nm3 | ND | 25 mg/Nm3 | ND | 150 mg/Nm3 | 73.96 |
| 11 | Main stack Sec. Gas Scrubber of Smelter-I | 40 mg/Nm3 | 28.53 | NA | NA | NA | NA |
| 12 | Main stack Slag Cleaning Furnace of Smelter-I | 40 mg/Nm3 | 29.74 | NA | NA | 150 mg/Nm3 | 77.47 |
| 13 | Main Stack Sulphuric Acid plant - I | 2.0 kg/T of 100 % H2SO4 | 1.00 Kg/T | Acid Mist 25 mg/Nm3 | ND | NA | NA |
| 14 | Cathode Stripping m/c plant-I of Ref-I | 40 mg/Nm3 | ND | NA | NA | NA | NA |
| 15 | Anode scrap Washing Machine M/C of Ref-I | 40 mg/Nm3 | ND | NA | NA | NA | NA |
| 16 | Liberator stack of Refinery-I | 40 mg/Nm3 | ND | Acid Mist 25 mg/Nm3 | ND | NA | NA |
| 17 | Slag granulation of Smelter-I | NA | NA | NA | NA | 150 mg/Nm3 | 70.83 |
| 18 | Steam Dryer of Copper Conc. of Smelter-I | 40 mg/Nm3 | ND | NA | NA | 150 mg/Nm3 | 70.69 |
| 19 | Centralized Scrubbing System Smelter-III | 40 mg/Nm3 | 29.04 | NA | NA | 150 mg/Nm3 | 71.15 |
| 20 | Sulphuric Acid plant – III (TGS Scrubber) | 1.0 kg/T of 100 % H2SO4 | 0.57 Kg/T | Acid Mist 25 mg/Nm3 | ND | NA | NA |
| 21 | Cathode Stripping m/c plant-III of Ref-III | 40 mg/Nm3 | ND | NA | NA | NA | NA |
| 22 | Liberator stack of Refinery-III | 40 mg/Nm3 | Nil | Acid Mist 25 mg/Nm3 | NA | NA | NA |
| 23 | PMR Plant Phase -III | 40 mg/Nm3 | 28.93 | 25 mg/Nm3 | 14.44 | 150 mg/Nm3 | 72.43 |
| 24 | DAP | Removed | | | | | |
| 25 | Reactor (Phosphoric Acid plant) | Removed | | | | | |

The average CEMS Monitoring data for the compliance period from April 2026 to September 2026is given below:

| Sr No | List of Stacks | SO2 | | NOx | | PM | |
|---|---|---|---|---|---|---|---|
| | | GPCB Norms | Observed Value | GPCB Norms | Observed Value | GPCB Norms | Observed Value |
| 1 | Dore furnace of PMR | 100 ppm | 1.04 | 50 ppm | 2.095 | 150 mg/Nm3 | 67.40 |
| 2 | Sulphuric Acid Preheater I | 100 ppm | 12.05 | 50 ppm | 32.07 | 150 mg/Nm3 | 12.89 |

| Sr. No | EC Condition | | | Compliance Status | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| | 3 | Captive Power Plant (CPP-I) CFBC Boiler 35 MW | 600 mg/Nm3 | 70.02 | 600 mg/Nm3 | 14.30 | 150 mg/Nm3 | 11.61 |
| | 4 | Shaft furnace of CCR plant I | 100 ppm | 0.30 | 50 ppm | 32.69 | 150 mg/Nm3 | 119.42 |
| | 5 | Shaft furnace of CCR-II | Plant not in operation | | | | | |
| | 6 | Sulphuric acid Pre-heater-III | 100 ppm | 3.46 | 50 ppm | 6.56 | 150 mg/Nm3 | 1.77 |
| | 7 | Captive Power Plant (CPP-II) AFBC Boiler 15.35 MW | Removed | | | | | |
| | 8 | Captive Power Plant (CPP-III) CFBC Boiler 60 MW | 600 mg/Nm3 | 256.77 | 300 mg/Nm3 | 38.14 | 150 mg/Nm3 | 8.07 |
| | 9 | Shaft furnace of CCR-III | 100 ppm | 17.45 | 50 ppm | 6.14 | 150 mg/Nm3 | 96.44 |
| | 10 | Main stack Secondary Gas Scrubber of Smelter-I | 40 mg/Nm3 | 15.94 | NA | NA | NA | NA |
| | 11 | Main stack Slag Cleaning Furnace of Smelter-I | 40 mg/Nm3 | 12.85 | NA | NA | 150 mg/Nm3 | 21.58 |
| | 12 | Main Stack Sulphuric Acid plant – I | 1250 mg/Nm3 | 195.71 | Acid Mist 25 mg/Nm3 | ND | NA | NA |
| | 13 | Slag granulation of Smelter-I | NA | NA | NA | NA | 150 mg/Nm3 | 6.07 |
| | 14 | Steam Dryer of Copper Conc. of Smelter-I | 40 mg/Nm3 | 3.91 | NA | NA | 150 mg/Nm3 | 34.80 |
| | 15 | Centralized Scrubbing System Smelter-III | 40 mg/Nm3 | 1.34 | NA | NA | 150 mg/Nm3 | 14.14 |
| | 16 | Sulphuric Acid plant – III (TGS Scrubber) | 950 mg/Nm3 | 37.92 | Acid Mist 25 mg/Nm3 | ND | NA | NA |
| | 17 | Slag Cleaning Furnace (By-pass vent Smelter-I) | 40 mg/Nm3 | 4.77 | NA | NA | 150 mg/Nm3 | 1.46 |
| | 18 | PMR Plant Phase -III | 40 mg/Nm3 | 2.64 | 25 mg/Nm3 | 0.323 | 150 mg/Nm3 | 60.59 |
| | 19 | DAP | Removed | | | | | |
| | 20 | Reactor (Phosphoric Acid plant) | Removed | | | | | |
| 4 | 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 | | | **Complied.**<br><br>Secondly, 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.<br>Form 37 and Fugitive Monitoring report for the period April 2026 to | | | | |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| | | September 2026 is attached as **Annexure-12** |
| 5 | The water requirement and wastewater generation for expansion project shall not exceed 500.0 KLD and 0.5 KLD respectively. | **Complied.**<br><br>Water requirement and wastewater generation for expansion project is well within the prescribed limit. |
| 6 | 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. | **Complied.**<br><br>The Company has obtained permission of 11 MGD (50,000 KLD), water from GIDC, as the approving authority for water drawl from Narmada River is GIDC.<br>Approval Letter is attached as **Annexure-13.** |
| 7 | Green belt shall be developed in 33% area in and around the plant as per the CPCB guidelines in consultation with DFO | **Complied**<br>A well-developed greenbelt has been established all along the periphery as well as within the plant premises to enhance the environmental quality. The existing greenbelt covers approximately 123.50 Ha out of the total plant area of 341.65 Ha, comprising about 240055 trees within the plant premises. Additionally, approximately 3,000 trees have been planted outside the plant premises near the Material Gate and adjoining areas.<br>Plant species have been selected in consultation with the District Forest Officer (DFO) and in line with CPCB guidelines, with preference given to native and pollution-tolerant species. Continuous plantation, gap-filling, maintenance, and survival monitoring activities are undertaken to further strengthen the greenbelt.<br>Photograph of green belt development is given below: |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| |  Greenbelt near Township |  Greenbelt near Material gate |
| |  New Plantation in near township gate |  Plantation outside plant boundary -Gate no.6 |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|



Plantation near coal yard



Plantation near North-Eastern plant boundary

The details of year-wise green belt plantation are given below: -

| Year of Plantation | Location | No. of Trees planted | Survival Rate (%) | No. of plants survived | Area covered in plantation (Ha) |
|---|---|---|---|---|---|
| Till FY20 | Plant & Township | 219905 | 87% | 191317 | 106.29 |
| FY-21 | | 1972 | 85% | 1676 | 0.93 |
| FY-22 | | 7905 | 82% | 6482 | 3.6 |
| FY-23 | | 2912 | 90% | 2621 | 1.46 |
| FY-24 | | 15378 | 89% | 13686 | 7.6 |
| FY-25 | | 3242 | 90% | 2918 | 1.62 |
| FY-26 | | 21741 | 85% | 18480 | 2.0 |
| FY-27 | | 3382 | 85% | 2875 | Gap filling |
| Total till Sept-26 | | 276437 | 87% | 240055 | 123.50 |

List of Native Species planted: -
Ailanthus excelsa, Azadirachta indica, Cassia fistula, Casuarina equisetifolia, Ceiba pentandra, Dalbergia sissoo, Ficus bengalensis, Ficus elastica, Ficus religiosa, Pandanus species, Peltophorum ferruginium, Pithecellobium dulce, Plumeria alba, Polyalthea longifolia, Samania saman, Tamarindus indica, Terminalia cuttapa, Thespesia populnea etc.

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| 8 | Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, Safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project. | **Complied.**<br>All necessary provisions were made for housing construction labour within the site during the construction phase with all necessary infrastructure and facilities and the temporary structures were removed after project completion. Hence, this condition is no longer applicable. |
| B | GENERAL CONDITIONS: | |
| 1 | The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board (SPCB) and the State Government. | **Complied.**<br>The unit has obtained a valid Consolidated Consent and Authorization from the Gujarat Pollution Control Board for carrying out its manufacturing activities.<br>The latest CCA copy of HIL is attached as **Annexure-10.**<br>The unit complies with all specific and general conditions stipulated under the CC&A, including provisions related to air pollution control, water pollution control, and hazardous waste management. Compliance is maintained through adherence to the requirements of GPCB, the State Government, and other statutory authorities, ensuring effective environmental management and regulatory compliance |
| 2 | No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment & Forests. | **Complied.**<br>The condition is noted and shall be strictly complied with. Any expansion or modification of the plant, will be undertaken only after obtaining prior approval from the Ministry and other concerned statutory authorities, as applicable. |
| 3 | 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 | **Complied.**<br>Kindly refer to Specific Condition No. 2 and 3 |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| | 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. | |
| 4 | 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, SO2 and NOX 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. | **Complied**<br>Ambient Air Quality Monitoring is being carried out regularly through a GPCB & MoEF&CC approved, NABL-accredited laboratory, M/s Green Leaf Envirotech Ltd. The copies of GPCB approval, MoEF&CC recognition, and NABL accreditation certificate are provided under Specific Condition No. 01.<br>In addition, the unit has installed four Continuous Ambient Air Quality Monitoring Stations (CAAQMS) at strategic locations within the plant premises for real-time monitoring of key environmental parameters, namely $PM_{2.5}$, $PM_{10}$, $SO_2$, and $NO_x$. The monitored data is regularly reviewed to ensure compliance with the prescribed National Ambient Air Quality Standards (NAAQS).<br>Photographs of the four CAAQMS stations installed within the Birla Copper premises are enclosed below for reference.<br> |

<table>
<tr><th>Sr. No</th><th>EC Condition</th><th>Compliance Status</th></tr>
<tr><td></td><td></td><td>Reports are being periodically furnished to GPCB, CPCB & MoEF & CC. Copy of AAQ Monitoring Report from the April 2026 to September 2026is enclosed as Annexure –2</td></tr>
<tr><td></td><td>The monthly average ambient air quality data from by NABL accredited third party for the compliance period from April 2026 to September 2026 is tabulated below: -
<table>
<tr><th colspan="6">Hindalco Industries Limited Unit: Birla Copper, Dahej<br>AMBIENT AIR QUALITY AV. MEAN (µg/m3)</th></tr>
<tr><th>Sr. No.</th><th>Monitoring Status</th><th>PM10</th><th>PM2.5</th><th>SO2</th><th>NOx</th></tr>
<tr><td>1</td><td>Township</td><td>56.36</td><td>41.79</td><td>31.83</td><td>12.92</td></tr>
<tr><td>2</td><td>Jetty</td><td>55.72</td><td>40.80</td><td>32.84</td><td>12.75</td></tr>
<tr><td>3</td><td>Near Dahej Village</td><td>56.50</td><td>43.37</td><td>33.40</td><td>12.78</td></tr>
<tr><td>4</td><td>Near Lakhigam Village</td><td>55.98</td><td>40.93</td><td>30.02</td><td>12.01</td></tr>
<tr><td></td><td>Permissible Limit</td><td>100</td><td>60</td><td>80</td><td>80</td></tr>
</table></td><td></td></tr>
<tr><td>5</td><td>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 asphalting or concreting of the roads shall be done to control fugitive emissions.</td><td>Complied.<br>The unit has implemented effective measures to control vehicular pollution and dust emissions associated with raw material and finished product transportation and proper arrangements have been during loading and unloading.<br>To mitigate fugitive emissions following measures are taken:<br>• RCC internal roads are in place to reduce dust generation.<br>• Hazardous waste is transported in covered trailers, eliminating fugitive emissions.<br>• Three high-volume mechanized road sweepers and nine portable mechanized sweepers are deployed for regular cleaning.<br>• Fly ash is transported through closed bulkers<br>• Other raw materials like lime, silica, are procured in covered trucks.<br>• 34 water sprinklers & wind screen are installed to suppress dust emissions during coal loading and unloading.</td></tr>
</table>

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| | | • 2 Nos of Mist Cannon installed for yard fugitive management<br>• The captive jetty hopper equipped with bag filter ensures controlled unloading of imported copper concentrate, which is transferred through a closed pipe conveyor, minimizing spillage and airborne emissions. |







High Volume Road Sweeping Machine





Sprinkler system and wind breaking wall in Coal handling plant

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| 6 | 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. | Complied<br>Industrial wastewater is collected and treated in effluent treatment plant. The unit conducts regular monitoring of treated wastewater, ensuring compliance with prescribed norms and summary of analysis reports of treated effluent from April 2026 to September 2026 is given below: |

| Sr. No | Parameters | UOM | Apr-26 | May-26 | Jun-26 | Jul-26 | Aug-26 | Sep-26 | Treated Effluent analysis report Average (April-26 to Sept-2026) RO Reject | PERIMISSIBLE LIMIT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | pH | - | 7.95 | 7.83 | 7.65 | 7.78 | 7.84 | 7.94 | 7.83 | 5.5 to 9 |
| 2 | Temperature | °C | 30.80 | 30.66 | 30.97 | 30.91 | 30.83 | 30.86 | 30.84 | 45 °C |
| 3 | Colour | Units | 10.09 | 10.34 | 10.29 | 9.26 | 10.26 | 10.09 | 10.06 | 100 Units |
| 4 | Suspended Solids | mg/l | 19.65 | 19.18 | 18.70 | 19.47 | 19.31 | 19.64 | 19.33 | 100 mg/l |
| 5 | COD | mg/l | 35.55 | 34.39 | 32.05 | 35.64 | 34.83 | 36.85 | 34.89 | 100 mg/l |
| 6 | BOD (3 days at 27°C) | mg/l | 7.68 | 8.52 | 7.62 | 7.86 | 7.26 | 7.95 | 7.81 | 250 mg/l |
| 7 | Oil & Grease | mg/l | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 10 mg/l |
| 8 | Phenolic Compound | mg/l | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 5 mg/l |
| 9 | Ammonical Nitrogen | mg/l | 9.5 | 10.33 | 10.56 | 10.15 | 10.78 | 9.45 | 10.12 | 50 mg/l |
| 10 | Sulphides | mg/l | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | 5 mg/l |
| 11 | Cyanides | mg/l | ND | ND | ND | ND | ND | ND | Nil | 0.2 mg/l |
| 12 | Fluoride | mg/l | 1.88 | 2.33 | 2.03 | 2.21 | 2.36 | 1.90 | 2.12 | 15 mg/l |
| 13 | Hexa. Chromium | mg/l | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.1 mg/l |
| 14 | Total Chromium | mg/l | 0.41 | 0.48 | 0.52 | 0.48 | 0.54 | 0.52 | 0.49 | 2 mg/l |
| 15 | Copper | mg/l | 0.25 | 0.28 | 0.27 | 0.29 | 0.25 | 0.26 | 0.27 | 3 mg/l |
| 16 | Nickel | mg/l | 0.04 | 0.10 | 0.09 | 0.08 | 0.07 | 0.09 | 0.08 | 5 mg/l |
| 17 | Zinc | mg/l | 0.36 | 0.27 | 0.28 | 0.27 | 0.28 | 0.31 | 0.29 | 15 mg/l |

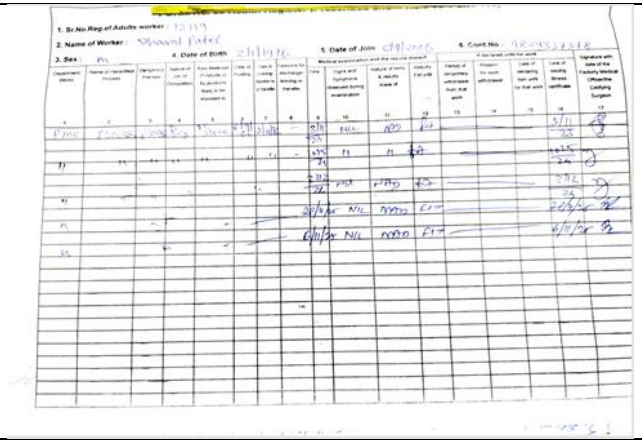
| Sr. No | EC Condition | | | | | | Compliance Status | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 18 | Mercury | mg/l | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.01 mg/l |
| 19 | Lead | mg/l | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 1 mg/l |
| 20 | Arsenic | mg/l | 0.04 | 0.058 | 0.055 | 0.050 | 0.056 | 0.004 | 0.04 | 0.2 mg/l |
| 21 | Cadmium | mg/l | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 2 mg/l |
| 22 | Insecticides /Pesticides | mg/l | Absent | Absent | Absent | Absent | Absent | Absent | Absent | Absent |
| 23 | Selenium | mg/l | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.05 mg/l |
| 24 | Bio Assay Test | % | 96.97 | 95.65 | 96.71 | 96.29 | 96.90 | 96.10 | 96.44 | 90% survival of fish after 96 hours in 100% effluent |

Treated effluent monitoring is being conducted through the GPCB, CPCB & MoEF&CC approved, NABL-accredited laboratory – M/s. Green Leaf Envirotech Ltd. The approval letter from GPCB, CPCB, MoEF&CC, and the NABL accreditation certificate is attached as **Annexure 1C**.

The treated effluent monitoring report from the NABL accredited laboratory for the compliance period April 2026 to September 2026 is attached as **Annexure-**

| | | |
|---|---|---|
| 7 | 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). | **Complied.**<br>Unit has taken the following noise control measures has been undertaken:<br><br>All the vibrating parts is being checked periodically and serviced to reduce the noise generation.<br>The equipment, which is prone to generate excessive noise, is provided with enclosures etc.<br>To minimize the adverse effects on the health, earmuffs/ear-plugs is being provided to the workers working under high noise area.<br>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.<br>Only vehicles with PUC's are allowed for the transportation.<br><br>The average analysis results of ambient noise level monitoring for the |

<table>
<tr><th>Sr. No</th><th>EC Condition</th><th>Compliance Status</th></tr>
<tr><td></td><td></td><td>compliance period April 26 to Sept 26 is given below:<br><br>
<table>
<tr><td>Noise Measurement (April 26 to Sept 26)</td><td>Day time</td><td>Night-time</td></tr>
<tr><td>Location</td><td>Noise Level in dB(A)</td><td>Noise Level in dB(A)</td></tr>
<tr><td>Near Township opp. to Arogya</td><td>61.0</td><td>60.4</td></tr>
<tr><td>Near 16 ha opp. to Smelter-III</td><td>61.1</td><td>60.7</td></tr>
<tr><td>Near YMA Hostel</td><td>62.1</td><td>61.2</td></tr>
<tr><td>Near Jetty Platform</td><td>63.3</td><td>62.7</td></tr>
</table>
<br>Additionally, ambient noise monitoring is being conducted through the GPCB, CPCB, MoEF&CC approved and NABL-accredited laboratory – M/s. Green Leaf Envirotech Ltd. The approval letter from GPCB, CPCB, MoEF&CC approved and the NABL accreditation certificate is given in specific condition no. 01.<br><br>Noise Monitoring report for the period of April 26 to Sept 26 is attached as Annexure-11</td></tr>
<tr><td>8</td><td>Occupational health surveillance of the workers shall be done on a regular basis and the records maintained as per the factory act.</td><td>Complied.<br>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.<br>Sample Record is during the period of April 26 to Sept 26 is given below:</td></tr>
</table>

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| | |  |
| 9 | The company shall develop rainwater harvesting structures to harvest the rainwater for utilization in the lean season besides recharging the ground water table | **Complied**<br>RWH structure of 37,500 KL capacity is constructed in the eastern part of plant premises. |
| 10 | 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 | **Complied.**<br><br>The recommendations made in the EMP based on EIA report by Envisafe Environment Consultant are implemented.<br>The unit has implemented all environmental protection measures and safeguards as recommended in the EIA/EMP report.<br>Additionally, A Socio-economic study has been conducted in 12 villages, within 12 km radius of Birla Copper plant in Dahej, district Bharuch by M/s Fulcrum in August 2025, the same is attached as **Annexure-22**<br><br>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.<br><br>The CSR Plan is structured based on the SMART (Specific, Measurable, Achievable, Relevant, and Time-bound) concept, ensuring impactful and |

<table>
<tr><th>Sr. No</th><th>EC Condition</th><th>Compliance Status</th></tr>
<tr><td></td><td></td><td>sustainable development in surrounding villages.<br><br>The company has implemented a range of CSR activities focusing on health, education, skill development, women empowerment, and infrastructure development. Notable initiatives include:<br><br>• Healthcare: Regular monthly health camps benefiting local communities.<br><br>• Education: Support for schools, including infrastructure enhancement and scholarships.<br><br>• Infrastructure: Construction of school buildings, sewage drainage in Lakhigam village, and provision of water supply to Dahej and Lakhigam.<br><br>• 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.<br><br>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 as under:<br><br>
<table>
<tr><th colspan="4">CSR data from April 2026 to September 2026</th></tr>
<tr><th>CSR data from April 2026 to September 2026</th><th>No. of Activities</th><th>Beneficiaries</th><th>No. of Villages Benefited</th></tr>
<tr><td>Education</td><td>2</td><td>14672</td><td>72</td></tr>
<tr><td>Health</td><td>30</td><td>4130</td><td>30</td></tr>
<tr><td>Sustainable</td><td>0</td><td>0</td><td>0</td></tr>
</table>
</td></tr>
</table>

| Sr. No | EC Condition | Compliance Status | | | |
|---|---|---|---|---|---|
| | | livelihood | | | |
| | | Social | 3 | 21090 | 14 |
| | | Others | - | - | - |
| | | Infrastructure development | - | - | - |
| | | Total | 35 | 39892 | 116 |

The details of activities carried out under CSR and ESG undertaken by Birla Copper is given below:



Education Material distribution around 13,700 rural students of 96 government primary, secondary and higher secondary schools of Vagra and Bharuch Taluka



Mobile Health Unit service in 14 villages



Bus Transportation Services for Rural Students



Cattle Development Project



Community Center at Lakhigam



Housing project for BPL families of Dahej & Lakhigam



Basic Sewing Trainings in 03 villages




Dental care camps



Support for Mass Marriage at Dahej

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| |  Sanitation Blocks constructed in 20 villages<br> Empowering Differently Abled Persons Project in 05 Villages<br> Computer centre provided for primary school students at Dahej<br> Supported District Administration by providing 500 Safety Jackets and 200 Lifebuoy Rings for the Safety of Narmada Parikrama Vasis<br> 04 kms Drainage facility provided at Lakhigam<br> Support of Manhole Cleaning Robot to the Grampanchayat Dahej<br> Pond Beautification work at Lakhigam<br> RO Water ATM Support | |
| 11 | 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. | **Complied.**<br>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 MoEF&CC and the State Government. The implementation of these measures has been successfully carried out, ensuring compliance with regulatory requirements.<br><br>The total year wise capital and recurring expenditure incurred on key environmental infrastructure includes: |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|

| Year | Capital Cost in lacs. (Cumulative) | Recurring Cost in Lacs. |
|---|---|---|
| 2017-18 | 16357 | 7767.45 |
| 2018-19 | 30137 | 9984.0 |
| 2019-20 | 30137 | 9782.39 |
| 2020-21 | 38806 | 8536.75 |
| 2021-22 | 38806 | 13319.39 |
| 2022-23 | 38806 | 13578.52 |
| 2023-24 | 42357 | 14703.71 |
| 2024-25 | 42357 | 11486.88 |
| 2025-26 | 42357 | 14178.67 |
| 2026-27 (till Sep 2026) | 50621 | 14209.22 |

The company has incurred capital cost of Rs 506.21 crore and recurring cost Rs. 142.902 crore (in FY26-27) implement the conditions stipulated by the Ministry of Environment & Forests as well as the State Government. The details of amount incurred is as under:

Detailed break up of capital cost (up to FY26-27 till the period of September 2026) is given below: -

| Capital Cost for Environmental Control Measures till date | | |
|---|---|---|
| **Sr no** | **Item** | **Total in lacs** |
| 1 | Dryer bag filer & dedusting system | 669 |
| 2 | Alkali Scrubber Smelter-1 | 8500 |
| 3 | Water Cool hood Smelter-1 Converter 1,2 &3 | 1770 |
| 4 | Ventilation hood from S & C furnace & bag house | 150 |
| 5 | ESP's of smelter-III | 518 |
| 6 | ESP's of CPP | 400 |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|

| | | |
|---|---|---|
| 7 | Alkali Scrubber of Smelter –III | 694 |
| 8 | Effluent Treatment –II | 1000 |
| 9 | Sewage Treatment Plant-II | 100 |
| 10 | Sulphuric Acid Plant –III | 8595 |
| 11 | Tail Gas Scrubber SAP-III | 3466.69 |
| 12 | SLF for ETP waste | 700 |
| 13 | PG, slag & Fly ash yard- for Phase-III | 2000 |
| 14 | Bag filters for CHP CPP-III and ash management | 800.38 |
| 15 | Liberator scrubber | 141 |
| 16 | PMR plant Bag filter | 50 |
| 17 | Fluorine scrubbing system in PAP-III | 203.08 |
| 18 | Scrubbing system for DAP-III plant | 300 |
| 19 | Green belt development | 600 |
| 20 | Tertiary Water Recycling Unit | 6754 |
| 21 | Wind fencing for coal yard | 1395 |
| 22 | SLF9 for ETP waste | 3551 |
| 23 | PS Convertor replacement & upgradation | 7750 |
| 24 | VOC Analyser | 62 |
| 25 | Smelter-1 and SAP-1 Off gas management | 401 |
| 26 | IOT based data logger | 33 |
| 27 | Mist Cannon | 12 |
| 28 | Automatic weather monitoring | 2 |
| 29 | LED Display board | 4 |
| | Total in Lakhs | 50621 |
| | Total in crore | 506.21 |

The detailed break-up of Recurring cost for FY26-27 (till September 2026) is given below:-

| Sr. No | EC Condition | Compliance Status |
|---|---|---|

| Sr.No. | Details | Expenditure |
|---|---|---|
| 1 | Effluent Treatment Plant (main) | |
| | (a) Chemical Consumption | 2845.04 |
| | (b) Repair and Maintenance | 138.07 |
| | (c) Electrical Cost | 22.03 |
| | (d) Secured land fill facility | 438.43 |
| | (e) ETP Waste handling and compaction | 382.51 |
| 2 | Solid Waste Management | |
| | (a) Gypsum handling & compaction | 1274.00 |
| | (b) Slag & ash handling | |
| 3 | Sulphuric Acid Plants | |
| | (a) Consumption of chemical, fuel, etc. | 4920.13 |
| | (b) Repair and Maintenance | 2064.30 |
| | (c) Electrical Cost | 25.28 |
| 4 | Environmental Monitoring and Studies | 44.38 |
| | Environmental Monitoring | 111.554 |
| 5 | Smelter, Refinery & PMR plant | |
| | (a) Bag filter replacement | |
| | (b) Scrubber operation | 986 |
| | (c) ESP operation | 16 |
| | (d) Bag filter, Scrubber & ESP Smelter-3 | 442.85 |
| | (e) PMR plant | 30 |
| | Concentrate Dryer Bag Filter Cost | 6 |
| 6 | Captive Power Plants | |
| | (a) ESP, I D fan & Ash handling operation | 416.61 |
| 7 | Horticulture / green belt work | 127.03 |
| | Total | 14290.22 |

<table>
<tr><th>Sr. No</th><th>EC Condition</th><th>Compliance Status</th></tr>
<tr><td>12</td><td>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.</td><td>Complied.<br>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 environmental conditions<br><br>The acknowledgement copy of submitted six monthly report for the period of Oct 2025 – March 2026 is given below:<br><br>
<table>
<tr><td colspan="2">Your (Half Yearly Compliance Report) has been Submitted with following details</td></tr>
<tr><td>Proposal No</td><td>J-11011/927/2008 -I A II (I)</td></tr>
<tr><td>Compliance ID</td><td>685549378</td></tr>
<tr><td>Compliance Number(For Tracking)</td><td>EC/M/COMPLIANCE/685549378/2026</td></tr>
<tr><td>Reporting Year</td><td>2026</td></tr>
<tr><td>Reporting Period</td><td>01 Jun(01 Oct - 31 Mar)</td></tr>
<tr><td>Submission Date</td><td>15-05-2026</td></tr>
<tr><td>RO/SRO Name</td><td>Shri Satya Prakash Negi</td></tr>
<tr><td>RO/SRO Email</td><td>jhk119@ifs.nic.in</td></tr>
<tr><td>State</td><td>GUJARAT</td></tr>
<tr><td>RO/SRO Office Address</td><td>Integrated Regional Offices, Gandhi Nagar</td></tr>
<tr><td colspan="2">Note:- SMS and E-Mail has been sent to Shri Satya Prakash Negi, GUJARAT with Notification to Project Proponent.</td></tr>
</table>
</td></tr>
<tr><td>13</td><td>The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the</td><td>Complied<br>Project has been accorded environmental clearance by the Ministry and</td></tr>
</table>

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| | 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.<br>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. | copies of the clearance letter are available with the SPCB and can also be seen at Website of the Ministry of Environment, Forests and Climate Change (MoEFF & CC) The same has been advertised in two local newspapers and a copy of the same has been submitted to the regional office at Bhopal. |
| 14 | 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 | **Complied.**<br>The company has informed the Regional Office as well as the Ministry, the date of financial closure and final approval of the project. |

**Hindalco Industries Limited**
**Unit: Birla Copper, Dahej**
**Compliance to conditions of Environmental Clearance No. J-11011/927/2008-IA II (I) 23rd February 2017.**
**(Six monthly compliance report from April 26 to Sept 26)**

Expansion of Continuous Cast Copper Rod Plant (CCR) capacity from 2, 40,000 TPA to 4, 84,000 TPA by setting up of a New CCR plant of 2, 44,000 TPA capacity by M/s Hindalco Industries Ltd.,
located at Village(s) Lakhigam and Dahej, Tehsil Vagra, District Bharuch Gujarat.

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| **A** | **SPECIFIC CONDITIONS:** | |
| 1 | The project proponent shall install 24x7 automatic air monitoring devices (Continuous Emission Monitoring System) to monitor air emissions, as provided by the CPCB and submit report to Ministry and its Regional Office. | **Complied.**<br><br>36 Continuous Emission Monitoring Systems have been installed across 16 stacks as per CPCB guideline for real-time (24x7) monitoring of key environmental parameters, including PM, $SO_2$, and $NO_x$ in compliance with the conditions stipulated under the Consolidated Consent & Authorization. The emission monitoring reports are periodically submitted to the Ministry of Environment, Forest and Climate Change and it's Regional Office on six monthly basis along with EC compliance report.<br><br>All installed IoT based CEMS are integrated with the CPCB server, ensuring continuous data transmission and regulatory compliance.<br><br>Photograph of location-wise installation of CEMS is given below: |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|



CEMS at SAP-1



CEMS at CCR-1



CEMS at CPP-1




CEMS at Smelter-1 Scrubber

Environmental monitoring of stack emissions, ambient air quality, effluent quality, and noise levels is carried out regularly through a GPCB, MoEFCC, CPCB approved, NABL-accredited laboratory, M/s Green Leaf Envirotech Ltd. Approved copies of same is attached as **Annexure-1A**

Average CEMS monitoring reports for the period from **April-26 to Sept-2026** is given below: -

| Sr No | List of Stacks | SO2 | | NOx | | PM | |
|---|---|---|---|---|---|---|---|
| | | GPCB Norms | Observed Value | GPCB Norms | Observed Value | GPCB Norms | Observed Value |
| 1 | Dore furnace of PMR | 100 ppm | 1.04 | 50 ppm | 2.095 | 150 mg/Nm3 | 67.40 |
| 2 | Sulphuric Acid Preheater I | 100 ppm | 12.05 | 50 ppm | 32.07 | 150 mg/Nm3 | 12.89 |
| 3 | Captive Power Plant (CPP-I) CFBC Boiler 35 MW | 600 mg/Nm3 | 70.02 | 600 mg/Nm3 | 14.30 | 150 mg/Nm3 | 11.61 |
| 4 | Shaft furnace of CCR plant I | 100 ppm | 0.30 | 50 ppm | 32.69 | 150 mg/Nm3 | 119.42 |
| 5 | Shaft furnace of CCR-II | Plant not in operation | | | | | |
| 6 | Sulphuric acid Pre-heater-III | 100 ppm | 3.46 | 50 ppm | 6.56 | 150 mg/Nm3 | 1.77 |
| 7 | Captive Power Plant (CPP-II) AFBC Boiler 15.35 MW | Removed | | | | | |
| 8 | Captive Power Plant (CPP-III) CFBC Boiler 60 MW | 600 mg/Nm3 | 256.77 | 300 mg/Nm3 | 38.14 | 150 mg/Nm3 | 8.07 |
| 9 | Shaft furnace of CCR-III | 100 ppm | 17.45 | 50 ppm | 6.14 | 150 mg/Nm3 | 96.44 |
| 10 | Main stack Secondary Gas Scrubber of Smelter-I | 40 mg/Nm3 | 15.94 | NA | NA | NA | NA |

| Sr. No | EC Condition | | Compliance Status | | | | |
|---|---|---|---|---|---|---|---|
| 11 | Main stack Slag Cleaning Furnace of Smelter-I | 40 mg/Nm3 | 12.85 | NA | NA | 150 mg/Nm3 | 21.58 |
| 12 | Main Stack Sulphuric Acid plant – I | 1250 mg/Nm3 | 195.71 | Acid Mist 25 mg/Nm3 | ND | NA | NA |
| 13 | Slag granulation of Smelter-I | NA | NA | NA | NA | 150 mg/Nm3 | 6.07 |
| 14 | Steam Dryer of Copper Conc. of Smelter-I | 40 mg/Nm3 | 3.91 | NA | NA | 150 mg/Nm3 | 34.80 |
| 15 | Centralized Scrubbing System Smelter-III | 40 mg/Nm3 | 1.34 | NA | NA | 150 mg/Nm3 | 14.14 |
| 16 | Sulphuric Acid plant – III (TGS Scrubber) | 950 mg/Nm3 | 37.92 | Acid Mist 25 mg/Nm3 | ND | NA | NA |
| 17 | Slag Cleaning Furnace (By-pass vent Smelter-I) | 40 mg/Nm3 | 4.77 | NA | NA | 150 mg/Nm3 | 1.46 |
| 18 | PMR Plant Phase -III | 40 mg/Nm3 | 2.64 | 25 mg/Nm3 | 0.323 | 150 mg/Nm3 | 60.59 |
| 19 | DAP | Removed | | | | | |
| 20 | Reactor (Phosphoric Acid plant) | Removed | | | | | |

Stack emission monitoring data (average) for the period from **April-26 to Sept-2026** done by GPCB, CPCB, MoEF& CC approved and NABL accredited laboratory is given below: -

| | | SO2 | | NOx | | PM | |
|---|---|---|---|---|---|---|---|
| Sr No | Stack list at Birla Copper | GPCB Norms | Observed | GPCB Norms | Observed | GPCB Norms | Observed |
| | | | Value | | Value | | value |
| 1 | Dore furnace of PMR | 100 ppm | 53.08 | 50 ppm | 23.47 | 150 mg/Nm3 | 69.63 |
| 2 | Sulphuric acid Preheater I | 100 ppm | 68.60 | 50 ppm | 24.87 | 150 mg/Nm3 | 84.22 |
| 3 | Captive Power Plant (CPP-I) CFBC Boiler 35 MW | 600 mg/Nm3 | 299.91 | 600 mg/Nm3 | 142.17 | 150 mg/Nm3 | 69.89 |
| 4 | Shaft furnace of CCR plant-I | 100 ppm | ND | 50 ppm | ND | 150 mg/Nm3 | 84.23 |
| 5 | Shaft furnace of CCR -II | Removed | | | | | |
| 6 | Sulphuric acid Pre-heater-III | 100 ppm | 55.43 | 50 ppm | 30.38 | 150 mg/Nm3 | 78.30 |
| 7 | Captive Power Plant (CPP-II) AFBC Boiler 15.35 MW | Removed | | | | | |

| Sr. No | EC Condition | | Compliance Status | | | | |
|---|---|---|---|---|---|---|---|
| 8 | Captive Power Plant (CPP-III) CFBC Boiler 60 MW | 600 mg/Nm3 | 363.55 | 300 mg/Nm3 | 113.84 | 150 mg/Nm3 | 36.59 |
| 9 | Shaft furnace of CCR-III | 100 ppm | ND | 50 ppm | ND | 150 mg/Nm3 | 78.62 |
| 10 | Anode Casting of Smelter-I | 40 mg/Nm3 | ND | 25 mg/Nm3 | ND | 150 mg/Nm3 | 73.96 |
| 11 | Main stack Sec. Gas Scrubber of Smelter-I | 40 mg/Nm3 | 28.53 | NA | NA | NA | NA |
| 12 | Main stack Slag Cleaning Furnace of Smelter-I | 40 mg/Nm3 | 29.74 | NA | NA | 150 mg/Nm3 | 77.47 |
| 13 | Main Stack Sulphuric Acid plant - I | 2.0 kg/T of 100 % H2SO4 | 1.00 Kg/T | Acid Mist 25 mg/Nm3 | ND | NA | NA |
| 14 | Cathode Stripping m/c plant-I of Ref-I | 40 mg/Nm3 | ND | NA | NA | NA | NA |
| 15 | Anode scrap Washing Machine M/C of Ref-I | 40 mg/Nm3 | ND | NA | NA | NA | NA |
| 16 | Liberator stack of Refinery-I | 40 mg/Nm3 | ND | Acid Mist 25 mg/Nm3 | ND | NA | NA |
| 17 | Slag granulation of Smelter-I | NA | NA | NA | NA | 150 mg/Nm3 | 70.83 |
| 18 | Steam Dryer of Copper Conc. of Smelter-I | 40 mg/Nm3 | ND | NA | NA | 150 mg/Nm3 | 70.69 |
| 19 | Centralized Scrubbing System Smelter-III | 40 mg/Nm3 | 29.04 | NA | NA | 150 mg/Nm3 | 71.15 |
| 20 | Sulphuric Acid plant – III (TGS Scrubber) | 1.0 kg/T of 100 % H2SO4 | 0.57 Kg/T | Acid Mist 25 mg/Nm3 | ND | NA | NA |
| 21 | Cathode Stripping m/c plant-III of Ref-III | 40 mg/Nm3 | ND | NA | NA | NA | NA |
| 22 | Liberator stack of Refinery-III | 40 mg/Nm3 | Nil | Acid Mist 25 mg/Nm3 | NA | NA | NA |
| 23 | PMR Plant Phase -III | 40 mg/Nm3 | 28.93 | 25 mg/Nm3 | 14.44 | 150 mg/Nm3 | 72.43 |
| 24 | DAP | Removed | | | | | |
| 25 | Reactor (Phosphoric Acid plant) | Removed | | | | | |

Stack emission monitoring reports for the period from **April-26 to Sept-2026** is attached as **Annexure-1**

| | | |
|---|---|---|
| 2 | Continuous stack monitoring facilities for all the stacks shall be provided and sufficient air pollution control devices viz. Electrostatic precipitator (ESP), bag house, bag filters etc. shall be provided to keep the emission levels below 50 mg/Nm3 and installing energy efficient technology. | **Complied.**<br><br>Continuous stack monitoring facilities are in place for all stacks, ensuring real-time emission tracking and compliance with regulatory standards as given in Specific condition no.1.<br>The gaseous emissions from various process units are maintained within the standards prescribed by GPCB/CPCB. Air Pollution Control Equipment (APCEs), |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| | | including ESPs, baghouses, bag filters, and scrubbers, have been installed and are operated effectively to ensure emissions remain well within the stipulated norms<br><br>The list of Bag filters, ESPs and Scrubbers along with photographs is attached as **Annexure-1B** |
| 3 | The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No.826 (E) dated 16th November 2009 shall be followed. | **Complied.**<br>Ambient air quality monitoring is being conducted through the GPCB, CPCB MoEF&CC approved, NABL-accredited laboratory – M/s. Green Leaf Envirotech Ltd.<br>The approval letter from GPCB, CPCB, MoEF&CC, and the NABL accreditation certificate is given in specific condition no. 01<br><br>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 $PM_{2.5}$, $PM_{10}$, $SO_2$ and $NO_x$.<br>Reports are being periodically furnished to GPCB, CPCB & MoEF & CC. Copy of AAQ Monitoring Report from the **April 26 to Sept 26** is enclosed as **Annexure – 2**<br><br>Photograph of 4 CAAQMS stations in Birla Copper is attached as **Annexure-2A** |

<table>
<tr><th>Sr. No</th><th>EC Condition</th><th>Compliance Status</th></tr>
<tr><td></td><td colspan="2">The monthly average ambient air quality data from by NABL accredited third party for the compliance period from April 26 to Sept 26 is tabulated below:
<table>
<tr><th colspan="6">Hindalco Industries Limited Unit: Birla Copper, Dahej<br>AMBIENT AIR QUALITY AV. MEAN (µg/m3)</th></tr>
<tr><th>Sr. No.</th><th>Monitoring Status</th><th>PM10</th><th>PM2.5</th><th>SO2</th><th>NOx</th></tr>
<tr><td>1</td><td>Township</td><td>56.36</td><td>41.79</td><td>31.83</td><td>12.92</td></tr>
<tr><td>2</td><td>Jetty</td><td>55.72</td><td>40.80</td><td>32.84</td><td>12.75</td></tr>
<tr><td>3</td><td>Near Dahej Village</td><td>56.50</td><td>43.37</td><td>33.40</td><td>12.78</td></tr>
<tr><td>4</td><td>Near Lakhigam Village</td><td>55.98</td><td>40.93</td><td>30.02</td><td>12.01</td></tr>
<tr><td></td><td>Permissible Limit</td><td>100</td><td>60</td><td>80</td><td>80</td></tr>
</table></td></tr>
<tr><td>4</td><td>The Project Proponent shall install scrubber or upgrade the existing scrubbers within one year to reduce Sox emission which will be verified by the Regional Office.</td><td>Complied.<br>The unit has installed scrubbers for effective $SO_x$ emission control, and regular monitoring confirms that emission levels remain well within the prescribed limits<br>Kindly refer specific condition no. 02.</td></tr>
<tr><td>5</td><td>Vehicular pollution due to transportation of raw material and finished product shall be controlled. Proper arrangements shall also be made to control dust emissions during loading and unloading of the raw material and finished product.</td><td>Complied.<br>The unit has implemented effective measures to control vehicular pollution and dust emissions associated with raw material and finished product transportation and proper arrangements have been during loading and unloading.<br>To mitigate fugitive emissions following measures are taken:<ul><li>RCC internal roads are in place to reduce dust generation.</li><li>Hazardous waste is transported in covered trailers, eliminating fugitive emissions.</li><li>Three high-volume mechanized road sweepers and nine portable mechanized sweepers are deployed for regular cleaning.</li><li>Fly ash is transported through closed bulkers</li><li>Other raw materials like lime, silica, are procured in covered trucks.</li></ul></td></tr>
</table>

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| | | • 34 water sprinklers & wind screen are installed to suppress dust emissions during coal loading and unloading.<br>• 2 Nos of Mist Cannon installed for yard fugitive management<br>• The captive jetty hopper equipped with bag filter ensures controlled unloading of imported copper concentrate, which is transferred through a closed pipe conveyor, minimizing spillage and airborne emissions. |
| 6 | A statement on carbon budgeting including the quantum of equivalent C02 being emitted by the existing plant operations, the amount of carbon sequestered annually by the existing green belt and the proposed green belt and the quantum of equivalent C02 that will be emitted due to the proposed expansion shall be prepared by the project proponent and submitted to the Ministry and the Regional Office of the Ministry. This shall be prepared every year by the project proponent. The first such budget shall be prepared within a period of 6 months and subsequently it should be prepared every year. | **Complied.**<br>The unit has undertaken carbon budgeting and sequestration assessments in compliance with the stipulated requirements.<br>Econsus environmental solutions llp was engaged to conduct a comprehensive Greenbelt & Carbon Sequestration Study inside the plant premises.<br>Report is attached as **Annexure no.3** |
| 7 | For the employees working in high temperature zones falling in the plant operation areas, the total shift duration would be 4 hrs. or less per day where the temperature is more than 50°C. Moreover, the jobs of these employees will be alternated in such a way that no employee is subjected to working in high temperature area for more than 1hr continuously. Such employees would invariably be provided with proper protective equipment, garments, and gears such as head gear, clothing, gloves, eye protection etc. There should also be an arrangement for sufficient drinking water at site to prevent dehydration etc. | **Complied.**<br>The unit has implemented heat stress management protocols as per compliance requirements. Employees working in high-temperature zones (above 50°C) are subjected to job rotation every 4 hours, ensuring that:<br>• No employee works in high-temperature areas continuously for more than 1 hour.<br>• Shift rotation is maintained, allowing workers to alternate between high-temperature and ambient temperature zones.<br>Identified High-Temperature Zones:<br>1. Smelter-1:<br>• Metal tapping area near FSF<br>• Metal tapping area near SCF<br>• Anode casting area<br>2. Smelter-3:<br>• Metal tapping area near S-Furnace |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| | | • Metal tapping area near CL-Furnace<br>• Metal tapping area near C-Furnace<br>• Anode casting area<br>3. CCR Units:<br>• Holding furnace area (CCR-1 & CCR 3)<br>4. PMR Unit:<br>• TROF Furnace<br><br>To mitigate heat exposure risks, employees working in these zones are equipped with personnel protective equipment:<br>• Fire-resistant jackets<br>• Aluminized fire safety suits & shoes<br>• Helmet with face shield<br>• Aluminized hand gloves<br>• Safety goggles & face masks<br><br>Images of personnel working with PPEs are given below:<br><br>  |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| | | Additionally, water coolers have been installed at work sites to ensure hydration and prevent heat stress and wet bulb temperature is measured regularly.<br><br>Image of water cooler installed at workplace is given below:<br><br><br><br>The existing safety measures implemented for employees working in high-temperature zones are satisfactory and ensure compliance with occupational health and industrial safety norms. The practice of job rotation every four hours, along with the provision of specialized protective equipment such as fire-resistant jackets, aluminized fire safety suits, safety goggles, and face shields, effectively minimizes heat exposure risks.<br><br>The photograph of heat stress awareness program is given below:- |
| 8 | The internal roads should be designed such that the fire tenders should reach up to 10 meters of any unit. | **Complied.**<br>Unit has developed, 10-meter wide RCC road, capable of supporting fire tenders and other heavy machinery. Additionally, a minimum turning radius of 9 meters has been maintained to facilitate the manoeuvrability of heavy vehicles. Photographs of internal roads are given below: |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| | | <br> |
| 9 | 'Zero' effluent discharge shall be strictly followed, and no wastewater | **Being Complied.** |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| | shall be discharged outside the premises. | 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 (2023). The current proposal aims to completely eliminate the remaining 300 KLD effluent through advanced recycling and reuse strategies.<br>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. |
| 10 | Regular monitoring of influent and effluent surface, sub-surface and ground water shall be ensured and treated wastewater shall meet the norms prescribed by State Pollution Control Board or described under the E (P) Act. | **Complied.**<br>The unit conducts regular monitoring of influent, effluent, surface, sub-surface, and groundwater, ensuring compliance with prescribed norms. Six daily samples of influent and effluent are analysed in the in-house laboratory. |

Summary of analysis reports of treated effluent from April 26 to Sept 26 is given below: -

| Sr.No | Parameters | UOM | Apr-26 | May-26 | Jun-26 | Jul-26 | Aug-26 | Sep-26 | Treated Effluent analysis report Average (April-26 to Sept-2026) RO Reject | PERIMISSIBLE LIMIT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | pH | - | 7.95 | 7.83 | 7.65 | 7.78 | 7.84 | 7.94 | 7.83 | 5.5 to 9 |
| 2 | Temperature | °C | 30.80 | 30.66 | 30.97 | 30.91 | 30.83 | 30.86 | 30.84 | 45 °C |
| 3 | Colour | Units | 10.09 | 10.34 | 10.29 | 9.26 | 10.26 | 10.09 | 10.06 | 100 Units |
| 4 | Suspended Solids | mg/l | 19.65 | 19.18 | 18.70 | 19.47 | 19.31 | 19.64 | 19.33 | 100 mg/l |
| 5 | COD | mg/l | 35.55 | 34.39 | 32.05 | 35.64 | 34.83 | 36.85 | 34.89 | 100 mg/l |
| 6 | BOD (3 days at 27°C) | mg/l | 7.68 | 8.52 | 7.62 | 7.86 | 7.26 | 7.95 | 7.81 | 250 mg/l |
| 7 | Oil & Grease | mg/l | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 10 mg/l |
| 8 | Phenolic Compound | mg/l | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 5 mg/l |

| Sr. No | EC Condition | | | | | Compliance Status | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 9 | Ammonical Nitrogen | mg/l | 9.5 | 10.33 | 10.56 | 10.15 | 10.78 | 9.45 | 10.12 | 50 mg/l |
| 10 | Sulphides | mg/l | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | 5 mg/l |
| 11 | Cyanides | mg/l | ND | ND | ND | ND | ND | ND | Nil | 0.2 mg/l |
| 12 | Fluoride | mg/l | 1.88 | 2.33 | 2.03 | 2.21 | 2.36 | 1.90 | 2.12 | 15 mg/l |
| 13 | Hexa.Chromium | mg/l | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.1 mg/l |
| 14 | Total Chromium | mg/l | 0.41 | 0.48 | 0.52 | 0.48 | 0.54 | 0.52 | 0.49 | 2 mg/l |
| 15 | Copper | mg/l | 0.25 | 0.28 | 0.27 | 0.29 | 0.25 | 0.26 | 0.27 | 3 mg/l |
| 16 | Nickel | mg/l | 0.04 | 0.10 | 0.09 | 0.08 | 0.07 | 0.09 | 0.08 | 5 mg/l |
| 17 | Zinc | mg/l | 0.36 | 0.27 | 0.28 | 0.27 | 0.28 | 0.31 | 0.29 | 15 mg/l |
| 18 | Mercury | mg/l | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.01 mg/l |
| 19 | Lead | mg/l | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 1 mg/l |
| 20 | Arsenic | mg/l | 0.04 | 0.058 | 0.055 | 0.050 | 0.056 | 0.004 | 0.04 | 0.2 mg/l |
| 21 | Cadmium | mg/l | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 2 mg/l |
| 22 | Insecticides /Pesticides | mg/l | Absent | Absent | Absent | Absent | Absent | Absent | Absent | Absent |
| 23 | Selenium | mg/l | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.05 mg/l |
| 24 | Bioassay Test | % | 96.97 | 95.65 | 96.71 | 96.29 | 96.90 | 96.10 | 96.44 | 90% survival of fish after 96 hours in 100% effluent |

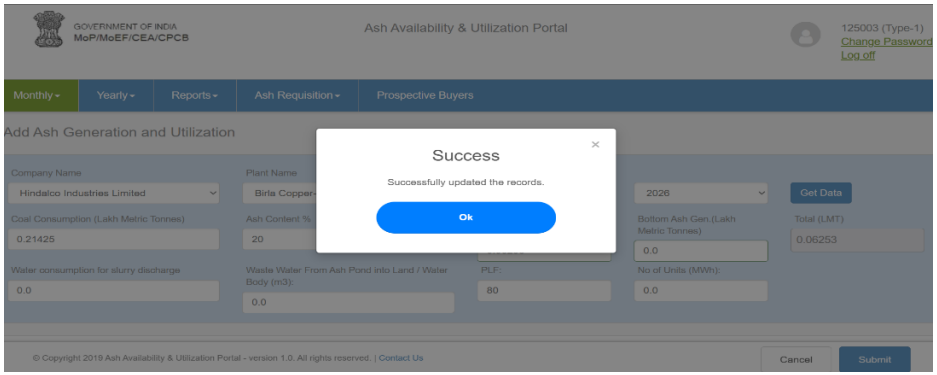
The treated effluent monitoring report for the compliance period from April 26 to Sept 26 is attached as **Annexure-5**

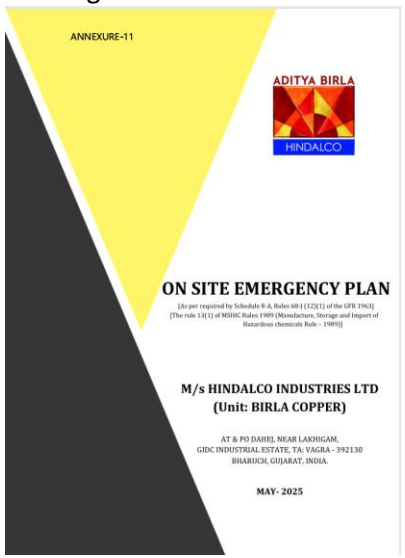
Additionally, monthly monitoring of surface, sub-surface, and groundwater is carried out and average of groundwater analysis from April 26 to Sept 26 is given below:

| Period: April 26 to Sept 26 | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sr. No** | **Sample** | **Landmark** | **pH** | **Copper mg/l** | **Arsenic mg/l** | **F mg/l** | **TDS mg/l** | **TSS mg/l** | **Mercury mg/l** | **Iron mg/l** | **Nickle mg/l** | **Lead mg/l** | **Chromium mg/l** | **Cadmium mg/l** | **Zinc mg/l** |
| 1 | HP-01 | SLF-01 | 7.95 | ND | 0.013 | 0.21 | 14285.0 | 116.67 | 0.023 | ND | ND | ND | 0.001 | 0.001 | 0.51 |

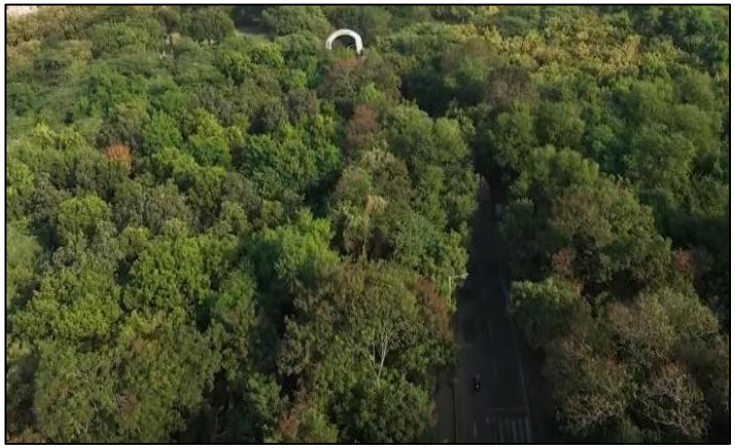
| Sr. No | EC Condition | | | | | | | | Compliance Status | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | HP-02 | SLF-02 | 7.81 | ND | 0.014 | 0.17 | 27243.3 | 53.50 | 0.013 | ND | ND | ND | 0.001 | 0.002 | 1.01 |
| 3 | HP-03 | SLF-03 | 7.66 | ND | 0.015 | 0.22 | 57581.3 | 180.33 | 0.011 | ND | ND | ND | 0.001 | ND | 2.07 |
| 4 | HP-04 | Slag Plant | 7.05 | ND | 0.020 | 0.41 | 42613.1 | 85.50 | 0.012 | ND | ND | ND | 0.001 | ND | 1.54 |
| 5 | HP- 05 | SLF-04 | 8.06 | ND | 0.012 | 0.25 | 8059.50 | 28.83 | 0.012 | ND | ND | ND | 0.001 | ND | 1.88 |
| 6 | HP- 06 | SLF-07 | 8.37 | ND | 0.024 | 0.30 | 11481.1 | 342.50 | 0.011 | ND | ND | ND | 0.001 | ND | 1.71 |
| 7 | HP-07 | SLF-06 | 7.33 | ND | 0.024 | 0.29 | 51633.1 | 1444.00 | 0.015 | ND | ND | ND | 0.001 | ND | 4.76 |
| 8 | HP-08 | SLF-06 | 8.36 | ND | 0.026 | 0.20 | 2925.83 | 278.33 | 0.014 | ND | ND | ND | 0.001 | ND | ND |
| 9 | HP- 08A | SLF-08A | 7.91 | ND | 0.023 | 0.16 | 15254.3 | 73.83 | 0.015 | ND | ND | ND | 0.001 | ND | 0.9 |
| 10 | HP- 08B | SLF-08B | 8.45 | ND | 0.013 | 0.28 | 10830.0 | 139.83 | 0.013 | ND | ND | ND | 0.001 | ND | 3.91 |
| 11 | HP-09 | SLF-9 | 7.38 | ND | 0.023 | 0.08 | 14727.8 | 132.33 | 0.013 | ND | ND | ND | 0.001 | ND | 1.8 |
| 12 | HP- 10 | SLF-08B | 7.54 | ND | 0.010 | 0.07 | 12080.0 | 101.32 | 0.023 | ND | ND | ND | 0.001 | ND | 0.78 |
| 13 | HP- 11A | SLF-9 | 7.19 | ND | 0.011 | 0.08 | 15243.3 | 43.10 | 0.013 | ND | ND | ND | 0.001 | ND | 0.36 |
| 14 | HP- 11B | SLF-9 | 7.66 | ND | 0.020 | 0.09 | 21189.1 | 49.54 | 0.011 | ND | ND | ND | 0.001 | ND | 0.97 |

| | | |
|---|---|---|
| 11 | Proper handling, storage, utilization, and disposal of all the solid waste shall be ensured and regular report regarding toxic metal content in the waste material and its composition, end use of solid/hazardous waste shall be submitted to the Ministry's Regional Office, SPCB and CPCB. | **Being Complied**<br>The unit has ensured proper handling, storage, utilization, and disposal of solid and Hazardous waste.<br>Hazardous waste characterization is carried out with NABL accredited laboratory in line with HW(MHTM)Rules 2016 and its amendments.<br>End use of solid/hazardous waste is submitted in annual hazardous waste return Form 4. The copy of FY 26 Form 4 is attached as **Annexure-24** |
| 12 | A time bound action plan shall be submitted for reduction in solid waste, its proper utilization and disposal. | **Complied.**<br>The unit proactively monitors solid waste generation and disposal on a monthly basis, ensuring proper handling and utilization.<br><br>Phosphogypsum generation has stopped since April 2020 due to the non-operation of the Phosphoric Acid Plant.<br>Copper granulated slag, being an inherent by product of the copper smelting process, cannot be reduced; however, the unit has ensured 100% utilization in |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| | | applications such as the abrasive industry, RMC, cement industry, and road construction.<br><br>Similarly, fly ash is fully utilized (100%) in cement and concrete production, as well as in manufacturing concrete blocks and bricks.<br><br>To further enhance sustainability, the unit has planned the addition of 50 MW renewable power over the next five years, which will significantly reduce coal consumption, thereby lowering fly ash generation. |
| 13 | Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 1999 and subsequent amendment in 2003, 2009 and 2016. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding shall be submitted to the Ministry's Regional Office at Chennai. | **Complied.**<br>The unit ensures 100% utilization of generated fly ash in accordance with the Fly Ash Notification, 1999 and subsequent amendments.<br>The fly ash is effectively utilized in cement and concrete production, as well as in manufacturing concrete blocks and bricks.<br>Fly ash generation and disposal details are being submitted monthly to online CPCB fly ash portal; the screenshot of receipt is given below-<br><br><br>In addition to the above, as a part of CPCB compliance, annual fly ash audit is conducted by CPCB authorised auditor and submitted to CPCB. The latest audit report by VNIT, Napgur is attached as **Annexure-8**.<br>Please note that Ministry Regional Office for Hindalco, Birla Copper is in |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| | | Gandhinagar. |
| 14 | A Risk and Disaster Management Plan shall be prepared, and a copy submitted to the Ministry's Regional Office, SPCB and CPCB within 3 months of issue of environment clearance letter. | **Complied.**<br>The Risk and Disaster Management Plan was prepared and submitted to the Ministry's Regional Office, GPCB and CPCB.<br>The latest copy of Risk and Disaster management plan is attached as Annexure-9.<br>The front page of the same is given below:-<br> |
| 15 | Green belts shall be developed all along the periphery of the plant boundary in 33 % of plant area. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO. | **Complied**<br>A well-developed greenbelt has been established all along the periphery as well as within the plant premises to enhance the environmental quality. The existing greenbelt covers approximately 123.50 Ha out of the total plant area |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| | | of 341.65 Ha, comprising about 240055 trees within the plant premises. Additionally, approximately 3,000 trees have been planted outside the plant premises near the Material Gate and adjoining areas.<br>Plant species have been selected in consultation with the District Forest Officer (DFO) and in line with CPCB guidelines, with preference given to native and pollution-tolerant species. Continuous plantation, gap-filling, maintenance, and survival monitoring activities are undertaken to further strengthen the greenbelt.<br><br>Photograph of green belt development is given below: |



Greenbelt near Township



Greenbelt near Material gate

| Sr. No | EC Condition | Compliance Status |
|---|---|---|



New Plantation in township



Plantation outside plant boundary



Plantation near coal yard



Plantation near Township gate

<table>
<tr><th>Sr. No</th><th>EC Condition</th><th>Compliance Status</th></tr>
<tr><td colspan="3">The details of year-wise green belt plantation is given below: -
<table>
<tr><th>Year of Plantation</th><th>Location</th><th>No. of Trees planted</th><th>Survival Rate (%)</th><th>No. of plants survived</th><th>Area covered in plantation (Ha)</th></tr>
<tr><td>Till FY20</td><td rowspan="8">Plant & Township</td><td>219905</td><td>87%</td><td>191317</td><td>106.29</td></tr>
<tr><td>FY-21</td><td>1972</td><td>85%</td><td>1676</td><td>0.93</td></tr>
<tr><td>FY-22</td><td>7905</td><td>82%</td><td>6482</td><td>3.6</td></tr>
<tr><td>FY-23</td><td>2912</td><td>90%</td><td>2621</td><td>1.46</td></tr>
<tr><td>FY-24</td><td>15378</td><td>89%</td><td>13686</td><td>7.6</td></tr>
<tr><td>FY-25</td><td>3242</td><td>90%</td><td>2918</td><td>1.62</td></tr>
<tr><td>FY-26</td><td>21741</td><td>85%</td><td>18480</td><td>2.0</td></tr>
<tr><td>FY-27</td><td>3382</td><td>85%</td><td>2875</td><td>Gap filling</td></tr>
<tr><td colspan="2">Total till Sept-26</td><td>276437</td><td>87%</td><td>240055</td><td>123.50</td></tr>
</table></td></tr>
<tr><td>16</td><td>At least 2.5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues, locals need and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office. Implementation of such a program shall be ensured by constituting a Committee comprising of the proponent, representatives of village Panchayat and District Administration. Action taken report in this regard shall be submitted to the Ministry's Regional Office. An amount of at least Rs. 4.25 crores will be set aside by the Project Proponent with a detailed plan for the ESC activities to be carried out in next 4 years.</td><td>Complied.<br>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 as follows:
<table>
<tr><th>Sr No.</th><th>Financial Year</th><th>Amount Incurred (in Lakhs)</th></tr>
<tr><td>1</td><td>2020-2021</td><td>87.99</td></tr>
<tr><td>2</td><td>2021-2022</td><td>145.23</td></tr>
</table></td></tr>
</table>

<table>
<tr><th>Sr. No</th><th>EC Condition</th><th>Compliance Status</th></tr>
<tr><td></td><td></td><td>
<table>
<tr><td>3</td><td>2022-2023</td><td>155.14</td></tr>
<tr><td>4</td><td>2023-2024 `</td><td>301.68</td></tr>
<tr><td>5</td><td>2024-2025</td><td>430.51</td></tr>
<tr><td>6</td><td>2025-2026</td><td>693.73</td></tr>
<tr><td colspan="2">Total</td><td>1383.77</td></tr>
</table>
</td></tr>
<tr><td>17</td><td>The proponent shall prepare a detailed CSR Plan for every year for the next 5 years for the existing-cum-expansion project, which includes village-wise, sector-wise (Health, Education, Sanitation, Health, Skill Development, and infrastructure requirements such as strengthening of village roads, avenue plantation, etc.) activities in consultation with the local communities and administration. The CSR Plan will include the amount of 2% retain annual profits as provided for in Clause 135 of the Companies Act, 2013 which provides for 2% of the average net profits of previous 3 years towards CSR activities for life of the project. A separate budget head shall be created and the of the Plan shall be submitted as part of the Compliance Report to RO. The details of the CSR Plan shall also be uploaded on the company website and shall also be provided in the Annual Report of the company. The plan so prepared shall be based on SMART (Specific, Measurable,<br><br>Achievable, Relevant and Time bound) concept. The expenditure should be aimed at sustainable development and direct free distribution and temporary relief should not be included.</td><td>Complied.<br>A Socio-economic study has been conducted in 12 villages , within 12 km radius of Birla Copper plant in Dahej , district Bharuch by M/s Fulcrum in August 2025, the same is attached as Annexure-23<br><br>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.<br><br>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.<br><br>The company has implemented a range of CSR activities focusing on health, education, skill development, women empowerment, and infrastructure development. Notable initiatives include:<br><br>• Healthcare: Regular monthly health camps benefiting local communities.<br><br>• Education: Support for schools, including infrastructure enhancement and scholarships.<br><br>• Infrastructure: Construction of school buildings, sewage drainage in</td></tr>
</table>

<table>
<tr><th>Sr. No</th><th>EC Condition</th><th>Compliance Status</th></tr>
<tr><td></td><td></td><td>Lakhigam village, and provision of water supply to Dahej and Lakhigam.<br><br>• 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.<br><br>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 as under:<br><br>
<table>
<tr><th>Activities Undertaken</th><th>No. of Activities</th><th>Beneficiaries</th><th>No. of Villages Benefited</th></tr>
<tr><td>Education</td><td>12</td><td>31703</td><td>72</td></tr>
<tr><td>Health</td><td>164</td><td>12087</td><td>18</td></tr>
<tr><td>Sustainable livelihood</td><td>116</td><td>2365</td><td>19</td></tr>
<tr><td>Social</td><td>1</td><td>100</td><td>1</td></tr>
<tr><td>Others</td><td>9</td><td>10114</td><td>5</td></tr>
<tr><td>Total</td><td>302</td><td>56369</td><td>115</td></tr>
</table>
</td></tr>
<tr><td></td><td colspan="2">The details of activities carried out under CSR and ESG undertaken by Birla Copper is given below:</td></tr>
</table>

| Sr. No | EC Condition | Compliance Status |
|---|---|---|



Education Material distribution around 13,700 rural students of 96 government primary, secondary and higher secondary schools of Vagra and Bharuch Taluka



Mobile Health Unit service in 14 villages



Bus Transportation Services for Rural Students



Cattle Development Project



Community Center at Lakhigam



Housing project for BPL families of Dahej & Lakhigam



Basic Sewing Trainings in 03 villages



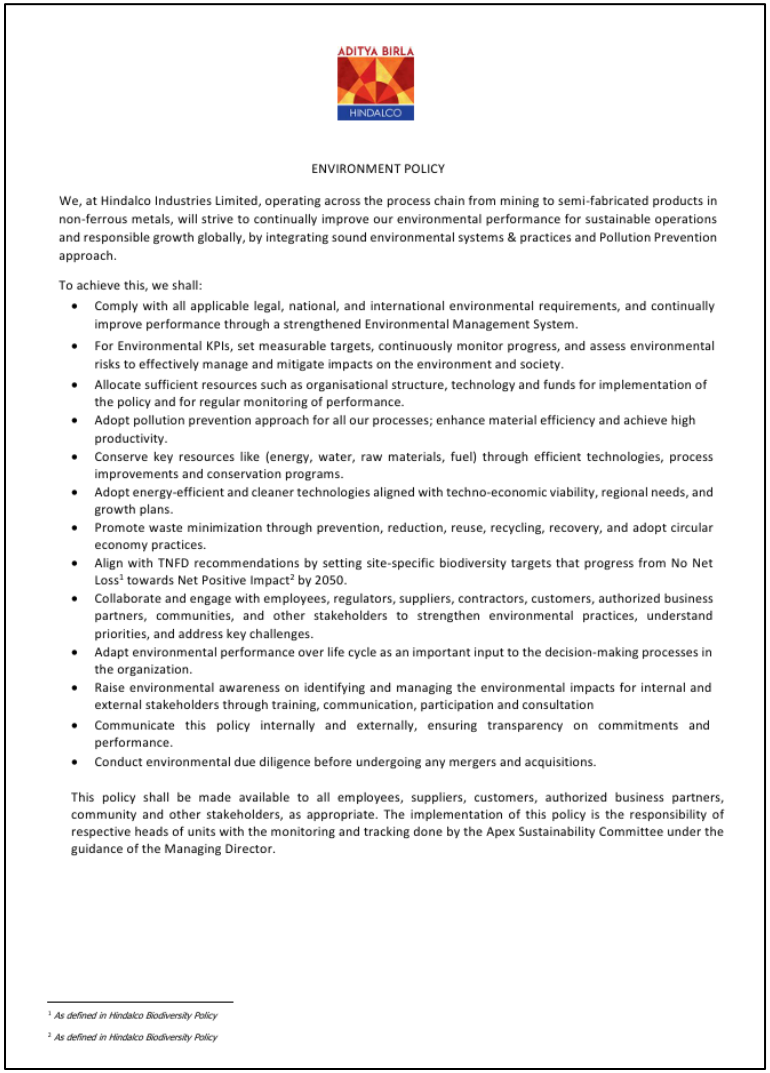

Dental care camps



Support for Mass Marriage at Dahej

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| |  Sanitation Blocks constructed in 20 villages<br> Empowering Differently Abled Persons Project in 05 Villages<br> Computer centre provided for primary school students at Dahej<br> Supported District Administration by providing 500 Safety Jackets and 200 Lifebuoy Rings for the Safety of Narmada Parikrama Vasis<br> 04 kms Drainage facility provided at Lakhigam<br> Support of Manhole Cleaning Robot to the Grampanchayat Dahej<br> Pond Beautification work at Lakhigam<br> RO Water ATM Support | |
| 18 | The Company shall submit within three months their policy towards Corporate Environment Responsibility which shall inter-alia address (i) Standard operating process/procedure to being into focus any infringement deviation/ violation of environmental or forest norms/conditions, (ii) Hierarchical system or Administrative order of the Company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and (iii) System of reporting of non-compliance/violation environmental norms to the Board of Directors of the company and/or stakeholders | **Complied.**<br>The unit has established a comprehensive Corporate Environment Policy that outlines its commitment to environmental responsibility and regulatory compliance. The policy ensures a structured approach to identifying and addressing any deviations from environmental norms while maintaining transparency with stakeholders.<br><br>The copy of Corporate Environment Policy is attached as Annexure and the |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| | or shareholders. | image of Corporate Environment Policy is given below:- |



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:

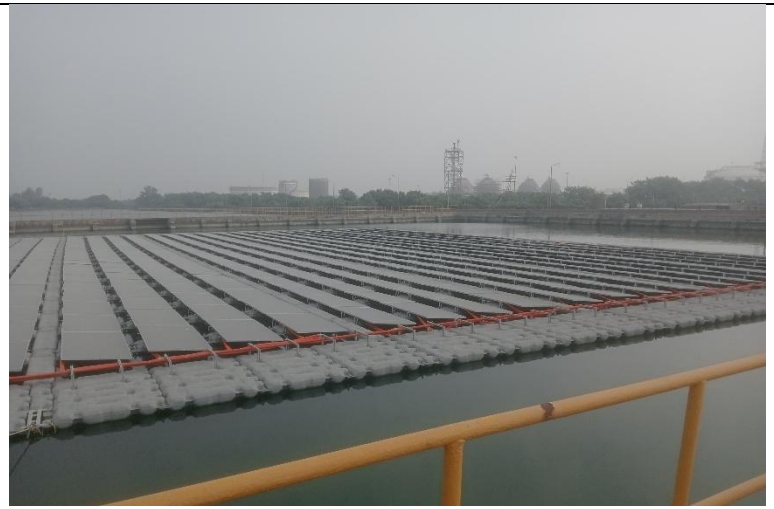
- Comply with all applicable legal, national, and international environmental requirements, and continually improve performance through a strengthened Environmental Management System.
- For Environmental KPIs, set measurable targets, continuously monitor progress, and assess environmental risks to effectively 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*

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| 19 | The project proponent shall provide solar light system for all common areas, streetlights, villages, parking around project area and maintain the same regularly. | **Complied.**<br>In order to increase the share of renewable energy usage. The following initiatives have been successfully commissioned inside the plant premises:<br>1. 500 KW rooftop solar<br>2. 250 KW floating solar.<br><br>Photograph of rooftop solar setup in ETP and floating solar at Birla Copper is given below:<br><br><br>Rooftop solar |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| | | <br>Floating Solar plant |
| 20 | The project proponent shall provide for LED lights in their offices and residential areas. | **Complied.**<br>All offices and residential areas have been equipped with LED lighting to enhance energy efficiency and reduce overall power consumption. Key initiatives taken:<br>• Replacement of conventional lighting with energy-efficient LED fixtures across office buildings and residential quarters.<br>• Regular maintenance and monitoring to ensure optimal performance and sustainability. |
| 21 | 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 | **Complied.**<br>All necessary provisions were made for housing construction labour within the site during the construction phase with all necessary infrastructure and facilities and the temporary structures were removed after project completion. Hence, this condition is no longer applicable. |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| [B] | **GENERAL CONDITIONS:** | |
| 1 | The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board and the State Government. | **Complied.**<br>The unit has obtained a valid Consolidated Consent and Authorization from the Gujarat Pollution Control Board for carrying out its manufacturing activities.<br>The latest CCA copy of HIL is attached as **Annexure-10.**<br>The unit complies with all specific and general conditions stipulated under the CC&A, including provisions related to air pollution control, water pollution control, and hazardous waste management. Compliance is maintained through adherence to the requirements of GPCB, the State Government, and other statutory authorities, ensuring effective environmental management and regulatory compliance |
| 2 | 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). | **Complied.**<br>The condition is noted and shall be strictly complied with. Any expansion or modification of the plant, will be undertaken only after obtaining prior approval from the Ministry and other concerned statutory authorities, as applicable. |
| 3 | At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM10, PM2.5, SO2 and NOx 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 at Bhopal and the Bhopal and the GPCB/CPCB once in six months. | **Complied.**<br>Kindly refer to specific condition no.03 |
| 4 | 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. | **Complied.**<br>Kindly refer specific condition no. 09. |

<table>
<tr><th>Sr. No</th><th>EC Condition</th><th>Compliance Status</th></tr>
<tr><td></td><td>The treated wastewater shall be utilized for plantation purpose.</td><td></td></tr>
<tr><td>5</td><td>The overall noise levels in and around the plant area shall be kept well within the standards (85dBA) 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 (night-time).</td><td>Complied.<br>Unit has taken the following noise control measures has been undertaken:<br>• All the vibrating parts is being checked periodically and serviced to reduce the noise generation.<br>• The equipment, which is prone to generate excessive noise, is provided with enclosures etc.<br>• To minimize the adverse effects on the health, earmuffs/ear-plugs is being provided to the workers working under high noise area.<br>• 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.<br>• Only vehicles with PUC's are allowed for the transportation.<br><br>The average analysis results of ambient noise level monitoring for the compliance period April 26 to Sept 26 is given below:<br><br>
<table>
<tr><td>Noise Measurement (April 26 to Sept 26)</td><td>Day time</td><td>Night-time</td></tr>
<tr><td>Location</td><td>Noise Level in dB(A)</td><td>Noise Level in dB(A)</td></tr>
<tr><td>Near Township opp. to Arogya</td><td>61.0</td><td>60.4</td></tr>
<tr><td>Near 16 ha opp. to Smelter-III</td><td>61.1</td><td>60.7</td></tr>
<tr><td>Near YMA Hostel</td><td>62.1</td><td>61.2</td></tr>
<tr><td>Near Jetty Platform</td><td>63.3</td><td>62.7</td></tr>
</table>
</td></tr>
</table>

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| | | Additionally, ambient noise monitoring is being conducted through the GPCB, CPCB, MoEF&CC approved and NABL-accredited laboratory – M/s. Green Leaf Envirotech Ltd. The approval letter from GPCB, CPCB, MoEF&CC approved and the NABL accreditation certificate is given in specific condition no. 01.<br><br>Noise Monitoring report for the period of April 26 to Sept 26 is attached as **Annexure-11** |
| 6 | Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act. | **Complied.**<br>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.<br>Sample Record is during the period of April 26 to Sept 26 is given below: - |
| 7 | The company shall develop rainwater harvesting structures to harvest the rainwater for utilization in the lean season besides recharging the ground water table. | **Complied**<br>RWH structure of 37,500 KL capacity is constructed in the eastern part of plant premises. |
| 8 | 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 programmes, educational programmes, drinking water supply and health care etc. | **Complied.**<br>The unit has implemented all environmental protection measures and safeguards as recommended in the EIA/EMP report.<br>Details of these initiatives are provided in specific condition nos. 16 and 17. |
| 9 | Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment, Forest, and Climate Change (MoEF & CC) as well as the State | **Complied.**<br>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 MoEF&CC and the State Government. The |

<table>
<tr><th>Sr. No</th><th>EC Condition</th><th>Compliance Status</th></tr>
<tr><td></td><td>Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Bhopal. The funds provided shall not be diverted for any other purpose.</td><td>implementation of these measures has been successfully carried out, ensuring compliance with regulatory requirements.<br><br>The total year wise capital and recurring expenditure incurred on key environmental infrastructure includes:<br><br>
<table>
<tr><th>Year</th><th>Capital Cost in lacs. (Cumulative)</th><th>Recurring Cost in Lacs.</th></tr>
<tr><td>2017-18</td><td>16357</td><td>7767.45</td></tr>
<tr><td>2018-19</td><td>30137</td><td>9984.0</td></tr>
<tr><td>2019-20</td><td>30137</td><td>9782.39</td></tr>
<tr><td>2020-21</td><td>38806</td><td>8536.75</td></tr>
<tr><td>2021-22</td><td>38806</td><td>13319.39</td></tr>
<tr><td>2022-23</td><td>38806</td><td>13578.52</td></tr>
<tr><td>2023-24</td><td>42357</td><td>14703.71</td></tr>
<tr><td>2024-25</td><td>42357</td><td>11486.88</td></tr>
<tr><td>2025-26</td><td>42357</td><td>14178.67</td></tr>
<tr><td>2026-27 (till Sep 2026)</td><td>50621</td><td>14290.22</td></tr>
</table></td></tr>
<tr><td></td><td colspan="2">The company has incurred capital cost of Rs 506.21 crore and recurring cost Rs. 142.902 crore (in FY26-27) implement the conditions stipulated by the Ministry of Environment & Forests as well as the State Government. The details of amount incurred is as under:<br><br>Detailed break up of capital cost (up to FY26-27 till the period of September 2026) is given below: -<br><br>
<table>
<tr><th colspan="3">Capital Cost for Environmental Control Measures till date</th></tr>
<tr><th>Sr no</th><th>Item</th><th>Total in lacs</th></tr>
<tr><td>1</td><td>Dryer bag filer & dedusting system</td><td>669</td></tr>
<tr><td>2</td><td>Alkali Scrubber Smelter-1</td><td>8500</td></tr>
</table></td></tr>
</table>

| Sr. No | EC Condition | | Compliance Status |
|---|---|---|---|
| | 3 | Water Cool hood Smelter-1 Converter 1,2 &3 | 1770 |
| | 4 | Ventilation hood from S & C furnace & bag house | 150 |
| | 5 | ESP's of smelter-III | 518 |
| | 6 | ESP's of CPP | 400 |
| | 7 | Alkali Scrubber of Smelter –III | 694 |
| | 8 | Effluent Treatment –II | 1000 |
| | 9 | Sewage Treatment Plant-II | 100 |
| | 10 | Sulphuric Acid Plant –III | 8595 |
| | 11 | Tail Gas Scrubber SAP-III | 3466.69 |
| | 12 | SLF for ETP waste | 700 |
| | 13 | PG, slag & Fly ash yard- for Phase-III | 2000 |
| | 14 | Bag filters for CHP CPP-III and ash management | 800.38 |
| | 15 | Liberator scrubber | 141 |
| | 16 | PMR plant Bag filter | 50 |
| | 17 | Fluorine scrubbing system in PAP-III | 203.08 |
| | 18 | Scrubbing system for DAP-III plant | 300 |
| | 19 | Green belt development | 600 |
| | 20 | Tertiary Water Recycling Unit | 6754 |
| | 21 | Wind fencing for coal yard | 1395 |
| | 22 | SLF9 for ETP waste | 3551 |
| | 23 | PS Convertor replacement & upgradation | 7750 |
| | 24 | VOC Analyser | 62 |
| | 25 | Smelter-1 and SAP-1 Off gas management | 401 |
| | 26 | IOT based data logger | 33 |
| | 27 | Mist Cannon | 12 |
| | 28 | Automatic weather monitoring | 2 |
| | 29 | LED Display board | 4 |

| Sr. No | EC Condition | Compliance Status |
|---|---|---|

| | | |
|---|---|---|
| | Total in Lakhs | 50621 |
| | Total in crore | 506.21 |

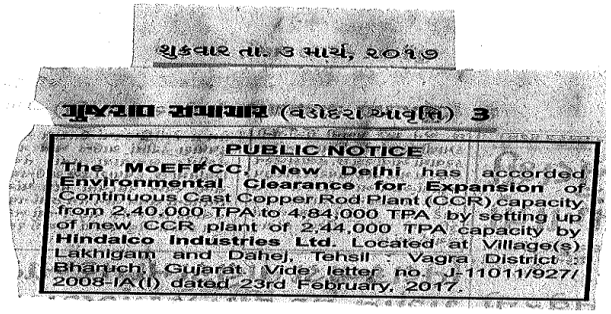
The detailed break-up of Recurring cost for FY26-27 (till September 2026) is given below:-

| Sr.No. | Details | Expenditure |
|---|---|---|
| 1 | Effluent Treatment Plant (main) | |
| | (a) Chemical Consumption | 2845.04 |
| | (b) Repair and Maintenance | 138.07 |
| | (c) Electrical Cost | 22.03 |
| | (d) Secured land fill facility | 438.43 |
| | (e) ETP Waste handling and compaction | 382.51 |
| 2 | Solid Waste Management | |
| | (a) Gypsum handling & compaction | 1274.00 |
| | (b) Slag & ash handling | |
| 3 | Sulphuric Acid Plants | |
| | (a) Consumption of chemical, fuel, etc. | 4920.13 |
| | (b) Repair and Maintenance | 2064.30 |
| | (c) Electrical Cost | 25.28 |
| 4 | Environmental Monitoring and Studies | 44.38 |
| 5 | Smelter, Refinery & PMR plant | 111.554 |
| | (a) Bag filter replacement | |
| | (b) Scrubber operation | 986 |
| | (c) ESP operation | 16 |
| | (d) Bag filter, Scrubber & ESP Smelter-3 | 442.85 |
| | (e) PMR plant | 30 |
| | Concentrate Dryer Bag Filter Cost | 6 |

<table>
<tr><th>Sr. No</th><th>EC Condition</th><th>Compliance Status</th></tr>
<tr><td></td><td>
<table>
<tr><td>6</td><td>Captive Power Plants</td><td></td></tr>
<tr><td></td><td>(a) ESP, I D fan & Ash handling operation</td><td>416.61</td></tr>
<tr><td>7</td><td>Horticulture / green belt work</td><td>127.03</td></tr>
<tr><td></td><td>Total</td><td>14290.22</td></tr>
</table>
</td><td></td></tr>
<tr><td>10</td><td>A copy of clearance letter shall be sent by the proponent to concern Panchayat, Zila, Parishad/Municipal Corporation, Urban Local Body, and the local NGO, if any, from whom suggestions /representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.</td><td>Complied<br>The environmental clearance letter has been duly circulated to the concerned Panchayat, Zila Parishad, Municipal Corporation, Urban Local Body, and local NGOs, if any, that provided suggestions or representations during the proposal evaluation process.<br>Additionally, the clearance letter has been uploaded on the company's official website for public access, ensuring transparency and regulatory adherence.<br><br>Clearance letters have been uploaded on company website. The URL is as follows: -<br><br>https://www.hindalco.com/sustainability/regulatory-compliances</td></tr>
<tr><td>11</td><td>The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEFCC at Bhopal. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM10, S02, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.</td><td>Complied<br>The environmental clearance conditions and monitored data have been uploaded on the company's official website. . The URL is as follows: -<br><br>https://www.hindalco.com/sustainability/regulatory-compliances<br><br>Simultaneously, compliance status of Environment Clearance conditions along with monitoring reports are uploaded on Parivesh Portal on a six monthly basis. Additionally, soft copy of the same is shared with Regional Office of MoEFCC at Gandhinagar, as well as the respective Zonal Office of CPCB and SPCB through email.<br><br>The criteria pollutant levels namely; PM10, S02, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated are displayed on</td></tr>
</table>

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| | | a LED display board installed at plant outer gate.<br><br>The photograph of display board is given below:-<br><br><br><br><br>Please note that Ministry Regional Office for Hindalco, Birla Copper is in Gandhinagar. |
| 12 | The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEFCC, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhopal / CPCB / SPCB shall monitor the stipulated conditions. | **Complied**<br>The six-monthly compliance reports, including monitored environmental data, are uploaded on Parivesh Portal on a six monthly basis.<br>Additionally, soft copy of the same is shared with Regional Office of MoEFCC at Gandhinagar, as well as the respective Zonal Office of CPCB and SPCB through email.<br><br>The acknowledgement copy of submitted six monthly reports for the period of October 2025 – March 2026 is given below:-<br><br>Please note that Ministry Regional Office for Hindalco, Birla Copper is in Gandhinagar. |

<table>
<tr><th>Sr. No</th><th>EC Condition</th><th>Compliance Status</th></tr>
<tr><td colspan="3">
<table>
<tr><td colspan="2">Your (Half Yearly Compliance Report) has been Submitted with following details</td></tr>
<tr><td>Proposal No</td><td>J-11011/927/2008-IA II (I)</td></tr>
<tr><td>Compliance ID</td><td>1226922677</td></tr>
<tr><td>Compliance Number(For Tracking)</td><td>EC/M/COMPLIANCE/1226922677/2026</td></tr>
<tr><td>Reporting Year</td><td>2026</td></tr>
<tr><td>Reporting Period</td><td>01 Jun(01 Oct - 31 Mar)</td></tr>
<tr><td>Submission Date</td><td>15-05-2026</td></tr>
<tr><td>RO/SRO Name</td><td>Shri Satya Prakash Negi</td></tr>
<tr><td>RO/SRO Email</td><td>jhk119@ifs.nic.in</td></tr>
<tr><td>State</td><td>GUJARAT</td></tr>
<tr><td>RO/SRO Office Address</td><td>Integrated Regional Offices, Gandhi Nagar</td></tr>
<tr><td colspan="2">Note:- SMS and E-Mail has been sent to Shri Satya Prakash Negi, GUJARAT with Notification to Project Proponent.</td></tr>
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</td></tr>
<tr><td>13</td><td>The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEFCC at Bhopal by e-mail.</td><td>Complied<br>The Form-V Environmental Statement for the financial year ending 31st March 2026 has been prepared and submitted to the Gujarat Pollution Control Board (GPCB) on 17th July 2026, in accordance with the Environment (Protection) Rules, 1986, as amended.<br>Additionally, the status of compliance with environmental conditions has been periodically submitted to the Regional Office of MoEFCC at Gandhinagar via email.<br>The acknowledged copy of the Form-V Environmental Statement for the financial year ending 31st March 2026 is attached as Annexure</td></tr>
<tr><td>14</td><td>The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of</td><td>Complied<br>The Environmental Clearance (EC) letter has been uploaded on the website of the Ministry of Environment, Forests and Climate Change (MoEF&CC) for</td></tr>
</table>

| Sr. No | EC Condition | Compliance Status |
|---|---|---|
| | the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment, Forests and Climate Change (MoEF & CC) at http:/envfor.nic.in. This shall 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 office at Bhopal. | public access. Additionally, information regarding the granted EC and the availability of the clearance letter with the Gujarat Pollution Control Board (GPCB) was disseminated to the public through advertisements published in two widely circulated local newspapers, one of which was in the vernacular language, on 3rd March 2017. A copy of the published advertisements was submitted to the Regional Office at Bhopal as per the stipulated condition. The advertisement copies are attached below. |
| |   | |
| 15 | Project authorities 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 and the date of commencing the land development work. | **Complied**<br>The unit has duly communicated the date of financial closure, final project approval, and commencement of land development work to the Regional Office and the Ministry as required. |