



May 20, 2024

To,  
The Director  
Govt. of India, MoEF  
Regional Office (Central)  
Kendriya Bhawan, 5<sup>th</sup> Floor,  
Sector – H, Aliganj  
LUCKNOW – 226 024

**Sub: Expansion of Smelter and Alumina Plant Renukoot, Distt. Sonebhadra, U.P. of M/s Hindalco Industries Limited – Environment Clearance Reg.**

Dear Sir,

Please find herewith-attached point wise compliance of conditions stated in our earlier environmental clearances granted by Ministry for the period of April'2023 – September'2023 along with six monthly progress report. Also find soft copy of compliance report environmental clearance.

1. Compliance letter of Env. Clearance granted vide letter J-111011/929/2008-1A. II (I) dt. December 2, 2011. Please see attached Annexure – I.
2. Compliance letter of Env. Clearance granted vide letter J-13012/21/2003-1A. II (T) dt. June 8, 2004. Please see Annexure – II.
3. Our Consent under Water (Prevention & Control of Pollution) Act 1974 which is valid till December 31, 2024 has been already submitted along with our previous compliance report.
4. Our Consent under Air (Prevention & Control of Pollution) Act 1981 which is valid till December 31, 2024 has been already submitted along with our previous compliance report.
5. Please find attached Copy of Risk Held Cover Letter Public Liability Insurance Policy which is valid till December 31, 2024 is attached as Annexure –III.
6. Authorization under Rule 5 of Hazardous and Other Wastes (Management, Handling Transboundry Movement) Rules, 2016, vide letter no 14307/UPPCB / Sonebhadra (UPPCBRO) / HWM / Sonbhadra / 2021 dated June 04,2021 which is valid till June 04, 2026. has been already submitted along with our previous compliance report.
7. Copy of Air & Water progress report for Quarter October 2023 – December 2023 & January 2024 – March 2024 as submitted to U.P. Pollution Control Board. is attached as Annexure – IV.
8. Work Zone monitoring data for the period October 2023 – March 2024 is attached as Annexure –V.

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9. Noise Monitoring done by us on quarterly basis. The Monitoring result for the period October 2023 – December 2023 & January 2024 – March 2024 is attached as Annexure – VI.
10. Fly Ash Utilization details for the period October 2023 – March 2024 are attached as Annexure – VII.

We hope you will please find the above in order.

Thanking you,

Yours faithfully,  
FOR HINDALCO INDUSTRIES LIMITED

Anil Singh  
A.G.M. (Environment)

cc: Member Secretary, UPPCB, Lucknow  
R.O. UPPCB, Sonbhadra.

HINDALCO INDUSTRIES LIMITED  
Renukoot Works  
P.O. Renukoot - 231217  
Distt. Sonbhadra (U.P.)  
Telephone +91 5446 252077-79 / 254791-96  
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REGISTERED OFFICE  
Ahura Centre, 1<sup>st</sup> Floor, B-Wing  
Mahakali Caves Road,  
Andheri (East), Mumbai 400 030  
Telephone +91 22 6691 7000  
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Website [www.hindalco.com](http://www.hindalco.com)  
E mail [hindalco@adityabirla.com](mailto:hindalco@adityabirla.com)  
Corporate Identity No. L27020MH1958PLC011238

**Project Code: UP-132-333-2012**

Name of the Project : Modernization and expansion of existing Alumina Refinery (660 KTPA to 900 KTPA) and Smelter Plant (356 KTPA to 472 KTPA) at Renukoot, District Sonbhadra in Uttar Pradesh.

Clearance Letter No. : J –11011/929/2008 – IA – II (I)

Period of Compliance Report : October 2023 – March 2024

**A. SPECIFIC CONDITIONS:**

Sl. No	Description	Compliance Status
1.i.	The gaseous emissions (PM <sub>10</sub> , SO <sub>2</sub> , NO <sub>x</sub> , PAH, HC, VOCs and Fluoride) from various process units shall conform to the standards prescribed by the concerned authorities from time to time. The UPPCB 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 emission levels shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. The particulate emissions from the bake oven plant shall not exceed 50 mg/Nm <sup>3</sup> .	Complied with.
ii.	The poly-aromatic hydrocarbons (PAH) from the carbon plant (anode bake oven) shall not exceed 2 mg/Nm <sup>3</sup> . The data on PAH shall be monitored quarterly and report submitted regularly to the Ministry / Regional Office at Lucknow and UPPCB.	PAH monitoring being conducted by approved laboratory on quarterly basis. The monitoring report is attached in Annexure – IV.
iii.	Fluoride consumption should be less than 10 kg/ton of Aluminium produced as specified in the CREP guidelines.	In Place.
iv	Fugitive Fluoride emissions from the pot room and in the forage around the smelter complex shall be monitored and data submitted regularly to the Ministry's Regional Office at Lucknow and UPPCB. Further dry scrubbing system to control the emissions from the pot lines should be provided.	Fugitive emission monitoring is being done monthly basis at the Roof Top and Center Passage of Pot Line. The report is attached as Annexure – V.

v.	The proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and SPCB. The criteria pollutant namely, PM <sub>10</sub> , SO <sub>2</sub> , NO <sub>x</sub> (Ambient levels as well as stack emissions) or critical sectoral parameters indicated for the project shall be monitored and displayed at the convenient location near the main gate of the company in the public domain.	Complied with.
vi.	Electrostatic precipitator(s) shall be provided to kiln and boiler stacks to control gaseous emissions within 50 mg/Nm <sup>3</sup> . The height of the stacks shall be as per the CPCB guidelines. Gaseous emissions shall be regularly monitored, and records maintained and reports submitted to this Ministry including its Regional Office at Lucknow / CPCB and UPCL six monthly.	Quarterly monitoring report for the quarter October 2023 – December 2023 & January 2024 – March 2024 is attached as Annexure – IV.
vii.	Total water requirement after expansion from downstream of Rihand River shall not exceed 45,000 m <sup>3</sup> /day. Oily wastewater shall be treated in API separator and routed to reclamation pond for recycling. All the treated wastewaters shall be treated in ETP and recycled. Closed circuit system with zero discharge concept shall be adopted to control water pollution. No wastewater shall be discharged outside the plant. The domestic wastewater shall be treated in the sewage treatment plant and treated wastewater conforming to the standards for land application shall be reused for green belt development within the plant premises.	Presently freshwater consumption is approx. 24703 Kl / day. Treated ETP & STP effluent is being reused in plant process / horticulture and spraying purpose.  We have established ZLD status at Renukoot Plant.
viii.	Red mud shall be stored in the red mud pond only designed as per the CPCB guidelines with proper leachate collection system and ground water all around the red mud disposal area shall be monitored regularly and report submitted to the UPCL/CPCB and Regional Office of the Ministry at Lucknow. Efforts shall also be made to find out productive uses of red mud in brick and ceramic products etc. proper care shall be taken to ensure no runoff or seepage from the red mud disposal site to natural drainage. Sewage sludge shall be used as manure within the premises.	Complied with.  During the period of October'2023 to March'2024 approx. 607888 MT Red Mud is being send to Cement Industries which is approx. 109.8% against generation of Red Mud.
ix.	Green belt shall be developed in 33% area to mitigate the effects of fugitive emissions as per the CPCB guidelines.	We have greenery in and around our plant which is approx. 35% of our plant area.

x.	Anode butts generated from the pots shall be cleaned and recycled to the Anode Plant. The spent pot lining generated from the smelter should be properly treated in spent pot lining treatment plant to remove fluoride and cyanide and disposed off to the Cement/Steel plants and as minimum as possible to secured landfill. The location and design of the landfill site should be approved by the UPPCB as per Hazardous Waste (Management, Handling & Transboundary Movement) Rules 2008. Leachate collection facilities should be provided to the secured landfill facility (SLF). The dross shall be recycled in the cast house.	<p>Complied with.</p> <p>Our used Anode Butt is mixed with raw mix for making green Anode. SPL (Carbon &amp; Non-Carbon) is being dispatched to TSDF / approved recyclers in compliance of our H.W Authorization.</p>
xi.	Occupational Health Surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.	We have a separate OHS with a MBBS doctor for doing health check up of workers in continuous basis. Please find attached Periodical Health Check Up Status for the period of October 2023 – March 2024 as Annexure - A
xii.	The recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Aluminium sector should be strictly implemented.	We follow the recommendations of CREP.
xiii.	The company shall comply with all the commitment made during public hearing/public consultation held on 24th July, 2009.	We have taken actions on an issue which was raised during public hearing.
xiv.	At least 5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Lucknow. Implementation of such program shall be ensured accordingly in a time bound manner.	<p>Noted.</p> <p>We have CSR department which is taken care of social upliftment of nearby areas. Please find attached beneficiaries' details for the period of October 2023 – March 2024 as Annexure - B</p>
xv.	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. Safe drinking water, medical health care, crèche etc.	We have provided necessary infrastructure and facilities for construction workers.

	The housing may be in the form of temporary structures to be removed after the completion of the project.	
xvi.	The company shall submit within three months their policy towards Corporate Environment Responsibility which should inter-alia address (i) Standard operating process/procedure to bring 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 or shareholders.	Complied with.

#### B. GENERAL CONDITIONS:

Sl. No	Description	Compliance Status
i.	The project authorities must strictly adhere to the stipulations made by the Uttar Pradesh State Pollution Control Board and the State Government.	All statutory guidelines stated by UPCCB are well complied.
ii.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	We agree that no expansion shall be done without prior approval of MoEF.
iii.	The gaseous emission from various process units shall conform to the land/mass based standards notified by this Ministry on 19 <sup>th</sup> May, 1993 and standards prescribed from time to time. The State Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.	All emission is monitored as prescribed, and it has been submitted to SPCB / CPCB / MoEF.
iv.	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM <sub>10</sub> , SO <sub>2</sub> and NO <sub>x</sub> 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 Lucknow and the SPCB / CPCB once in six months.	Four Ambient Air Quality Monitoring (CAAQMS) have been installed at Renukoot. Quarterly monitoring is also being done by an approved laboratory in the quarter October 2023 – December 2023 & January 2024 – March 2024. The monitoring report is attached as Annexure – IV.

v.	Industrial wastewater shall be properly collected treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 <sup>th</sup> May, 1993 and 31 <sup>st</sup> December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	We treat all wastewater in our ETP and reused within the plant for process use/Cooling Tower/ Horticulture.
vi.	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules. 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime)	The noise level is maintained as per standards. In high noise area PPEs are provided to mitigate the impact.
vii.	The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	As per CGWB officials Rainwater harvesting structure is not feasible at this location.
viii.	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA / EMP and public hearing reports. 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.	We have complied all measures as recommended. A separate CSR dept is working for developing social life of nearby villages.
ix.	Requisite amount 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 and Forests as well as the State Government. An implementation scheduled for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Lucknow. The funds so provided shall not be diverted for any other purpose.	The cost for environment protection has been earmarked separately.
x.	A copy of clearance letter shall be sent by the proponent to concerned 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 web site of the company by the proponent.	Complied with.

xi.	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 MOEF at Lucknow. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM10, SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, such as fluoride emission indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Complied with.
xii.	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 MOEF the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Lucknow / CPCB / SPCB shall monitor the stipulated conditions	We are regularly submitted six monthly compliance report.
xiii.	The environmental statement for each financial year ending 31 <sup>st</sup> 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 alongwith the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF at Lucknow by e-mail.	The Environment statement for each financial year is regularly submitted to SPCB as prescribed.
xiv.	The project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . 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 Lucknow.	Complied with.

xv.	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.	Noted.
10.	The Ministry may revoke or suspended the clearance, if implementation of any of the above conditions is not satisfactory.	Noted.
11.	The ministry reserves the right to stipulated additional conditions if found necessary. The company in a time bound manner shall implemented these conditions.	Noted.
12.	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Waste (Management, Handling and Transboundry Movement) Rules, 2021 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.	Noted.


6-May-24

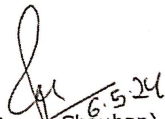
**OCCUPATIONAL HEALTH SERVICES**  
**HINDALCO INDUSTRIES LIMITED, RENUKOOT**

TO  
ENVIRONMENT CELL  
HINDALCO, RENUKOOT

**PERIODICAL HEALTH CHECK UP STATUS**  
(From Oct -2023 To Mar -2024)

PERIODICAL HEALTH CHECK-UP	AUDIOMETRY	SPIROMETRY	VISION SCREENING	ECG	X-ray
5720	5720	5073	5572	5556	2729

  
(T. D. Tiwari)  
Sr. Officer

  
(Dr. Reena Chauhan)  
Head-OH & FA Centre

**HINDALCO-RURAL DEVELOPMENT  
OUTCOME OF RURAL DEVELOPMENT ACTIVITIES  
FOR THE PERIOD OF Oct- 2023 TO Mar 2024  
OPERATIONAL AREA:- RENUKOOT; OPERATIONAL VILLAGES-180**

(A)	<b>EDUCATION AND CAPACITY BUILDING PROGRAMME</b>	<b>Benef.</b>
	<b>Activities</b>	
1	Schools Supported by us -2 No	1400
2	No of Aditya Birla Vidya Mandirs we run	1709
3	No of Balwadis run by us	255
4	students provided with Education	323
5	Career Counselling / Educaional camps	55
	<b>Sub Total</b>	<b>3742</b>

(B)	<b>Health &amp; Family Welfare Prog.</b>	<b>Benef.</b>
	<b>Activities</b>	
1	Hospital / Health Centre own by Company / Trust	9053
2	General Medical Camps	7600
3	Ante & Post Natal Care	8364
4	Immunisation to Infants / Children	12628
5	STD / RTI, AIDS Awareness & First Aid	412
6	Adolescence Health Care	130
7	Safe Drinking Water	82000
8	School Health Check up camps organised by us	1077
9	Eye operation Camps(IOL)	133
	<b>Sub Total</b>	<b>121397</b>

(C)	<b>ECONOMIC SELF RELIANCE AND WATERSHED DEVELOPMENT</b>	<b>Benef.</b>
	<b>Activities</b>	
1	Agriculture Support Programme	1579
2	Animal Husbandry cattles Immunized	1759
3	Women Self Help Groups	236
4	Social Forestry/ Plantation/ Horticulture	104537
	<b>Sub Total</b>	<b>108111</b>

(D)	<b>INFRASTRUCTURAL DEVELOPMENT :</b>	<b>Benef.</b>
	<b>Activities</b>	
1	School Building & furnitures provided	1000
	<b>Sub Total</b>	<b>1000</b>

(E)	<b>SOCIAL UPLIFTMENT AND WOMEN EMPOWERMENT</b>	<b>Benef.</b>
	<b>Activities</b>	
1	Values Promotion camps/Awareness drives on knowledge attitude & practice	1294
2	Tournament, Festivals and Cultural prog.	1960
	<b>Sub Total</b>	<b>3254</b>

(F)	<b>ADITYA BIRLA RURAL TECHNOLOGY PARK, MUIRPUR DEVELOPMENT ACTIVITIES AT THE ADITYA BIRLA RURAL TECHNOLOGY PARK, MUIRPUR</b>	<b>Benef.</b>
1	Vocational Training Centre ABRTTP & Three Block	315
2	Technical Skill Training	215
3	Treatment at Rural Hospital (daily OPD, operations)	4223
	<b>Sub Total</b>	<b>4753</b>

	<b>Grand Total</b>	<b>242257</b>
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## Project Code: UP-28-170-04

Name of the Project : 40 MW Co – Generation Power Plant of  
M/s. Hindalco Industries Ltd., Renukoot  
Clearance Letter No. : J-13012/21/2003– IA. II (T) Dt. 08.06.2004  
Period of Compliance Report : October 2023 – March 2024

**General Conditions:**

Sr. No.	Conditions	Compliance Status
2.	The environmental clearance for the above project is hereby accorded subject to implementation of following terms and conditions:	
I)	All the conditions stipulated by Uttar Pradesh Pollution Control Board vide their letter No. G-22276/C-2/ NOC/ 3257/2003 dt. 12/09/2003 should be strictly implemented.	Complied with.
II)	6.25 ha. Land is required and is already in possession of the project authorities. No extra land would be acquired for the plant.	In Place.
III)	Coal requirement is estimated a 1000 TPD having calorific value of 2950 K. Cal/kg with 41% ash content and 0.25% sulphur content. Copy of coal linkage approval from S.L.C. should be submitted immediately after receipt of the same. In case of change in calorific values, ash and sulphur contents of coal, Ministry's approval for the same has to be sought before starting the construction work of the power plant.	In Place.
IV)	Stack height of 88 m height shall be provided with continuous online monitoring equipment. Exit velocity of 14.08 m/sec. should be maintained.	Complied with.
V)	High efficiency Electrostatic Precipitator (ESP) having efficiency of 99.8% be installed to limit outlet SPM emission 100 mg/Nm <sup>3</sup> .	Complied with.

	VI)	Ash generation would be 84 t/day of bottom ash and 324 t/day of fly ash. Ash generated should be used in a phased manner as per provisions of the notification on Fly Ash Utilization issued by the Ministry in September, 1999 and its subsequent amendments. By the end of 9 <sup>th</sup> year full fly ash utilization should be ensured.	173384 MT of ash has been dispatched to various Cement Industries and other users during October 2023 – March 2024. Please see attached Annexure – VII.
	VII)	Water requirement should not exceed 6150 m <sup>3</sup> /day and this will be met through recycling of domestic and industrial effluents. There would not be any extra water withdrawal for this plant.	Complied with.
	VIII)	Central Groundwater Authority/Board shall be consulted for finalization of appropriate water harvesting technology within a period of four months from the date of clearance.	As per advice of CGWB Authority, rain water-harvesting structure should not be adopted because it may enhance the condition of water logging.
	IX)	Regular monitoring of water quality including heavy metals should be undertaken around ash pond and the project area to ascertain the change in the water quality, if any, due to leaching of contaminants from ash disposal area.	Ground Water monitoring is being done by certified lab once in a year.
	X)	Noise level should be limited to 75 dB (A) and regular maintenance of equipment be undertaken. For people working in the area of generator and other high noise area, earplug should be provided.	It has been maintained.
	XI)	Greenbelt should be developed in about 1.25 ha. around the ash dyke area and available space in the township. Tree density of 1500 – 2000 trees per ha. should be maintained.	Complied with.
	XII)	Regular monitoring of the air quality should be carried out in and around the power plant and records be maintained. Periodic six monthly reports should be submitted to this Ministry.	Complied with.
	XIII)	For controlling fugitive dust, regular sprinkling of water in vulnerable areas of the plant should be ensured.	Water sprinkling is being done regularly at identified areas. Complied with.

	XIV)	There would be no discharge of wastewater / liquid effluent from the plant.	There is no discharge of wastewater from the plant.
	XV)	All other mitigative measures shall be taken as enumerated in Chapter 5 of the EIA report.	All other mitigative measures are being taken as enumerated in Chapter 5 of the EIA report.
	XVI)	The project proponent should advertise at least in two local newspapers widely circulated in the region around the project, one of which should be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance and copies of clearance letters are available with the State Pollution Control Board/Committee and may also be seen at Web site of the Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a>	Necessary actions have been already taken.
	XVII)	A separate environment monitoring cell with suitable qualified staff should be set up for implementation of the stipulated environmental safeguards.	A separate environment monitoring cell with suitable qualified staff is in place for implementation of the stipulated environmental safeguards.
	XVIII)	Half yearly report on the status of implementation of the stipulated conditions and environmental safeguards should be submitted to this Ministry/ Regional Office / CPCB / SPCB.	Reports are being submitted regularly to the Ministry /Regional Office/ CPCB/ SPCB.
	XIX)	Regional Office of the Ministry of Environment and Forests located at Lucknow will monitor the implementation of the stipulated conditions. Completed set of Environmental Impact Assessment Report and Environment Management Plan should be forwarded to the Regional Office for their use during monitoring.	Being monitored by Regional Office, Lucknow.
	XX)	Separate funds should be allocated for implementation of environmental protection measures along with item – wise break – up. These cost should be included as part of the project cost. The funds earmarked for the environment protection measures should not be diverted for other purposes and year – wise expenditure should be reported to the Ministry.	Complied with.

	XXI)	Full cooperation should be extended to Scientists/ Officers from the Ministry / Regional Office of the Ministry at Lucknow / the CPCB / the SPCB who would be monitoring the compliance of environmental status.	Full cooperation is being extended to Scientists/ Officers from the Ministry Regional Office/CPCB/SPCB during their visits.
3.		The Ministry reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the Ministry.	Noted
4.		The environmental clearance accorded shall be valid for a period of 5 years for construction/ operation of the power plant. In case, if the project authorities fails to do so within this stipulated period, this environmental clearance shall stand lapsed automatically.	Noted
5.		In case of any deviation or alteration in the project proposed from those submitted to this Ministry for clearance, a fresh reference should be made to the Ministry to assess the adequacy of the condition (s) imposed and to add additional environmental protection measures required, if any.	Noted
6.		The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986. Hazardous Waste (Management & Handling) Rules, 1989 and its amendments, the Public Liability Insurance Act, 1991 and its amendments, the Environment Impact Assessment Notification of January, 1994 and its amendments.	Noted



Bajaj Allianz General Insurance Company Ltd.  
Bajaj Allianz House, Airport Road, Yerawada, Pune - 411006  
PUBLIC LIABILITY (ACT) POLICY POLICY SCHEDULE  
UIN: IRDAN113RP0023V01200102

Policy issuing office and Correspondence address for communication by policyholder for claim, service request, notice, summons, etc. : Bajaj Allianz General Insurance Co Ltd, 952/954 Appasaheb Marathe Marg,, Next to Saraswat Bhavan,, Prabhadevi, Mumbai, MUMBAI-400025 Phone No :02266628666

Policy No. OG-24-1919-3304-00000067  
Product PUBLIC LIABILITY (ACT) POLICY  
Period of Insurance From 00:01:00 05-DEC-23 To 04-DEC-24 Policy Issued On 29-DEC-23  
Midnight  
Co-Insurance Details Own Share: 100%  
Insured Name HINDALCO INDUSTRIES LTD  
Insured Address AHURA CENTRE, B WING, MAHAKALI CAVES ROAD, ANDHERI,, PO Area - ANDHERI EAST,, MUMBAI, MAHARASHTRA - 400093  
Bank Details : No Details  
GSTIN / UIN 27AAACH1201R1ZN Place of Supply/State 27 - Maharashtra  
Code/Name  
Company GST No : 27AABC5730G1ZX Invoice No : 369128814/2  
Company PAN : AABC5730G

Description	Sum Insured (Rs)
Aggregate limit of Indemnity during the policy period	15,00,00,000.00
Additional** Loading @	0 %
Additional Discount@	0 %
Base Premium	88,340.00
Special Discount	0
Net Premium	88,340.00
Terrorism** Surcharge	0.0
Environment Fund	88,340.00
Stamp Duty	
State GST (9%)	7,951.00
Central GST (9%)	7,951.00
Final Premium	1,92,582.00

\*\*\* All Premium figures are in Rupee.

On specific request and subject to terms and conditions, record of information exchange will be made available.

As per the GST regulations, the amount of GST will not be refunded if the policy / endorsement is cancelled after 30th September of the next financial year.

I/We hereby declare that though our aggregate turnover in any preceding financial year from 2017-18 onwards is more than the aggregate turnover notified under sub-rule (4) of rule 48, we are not required to prepare an invoice in terms of the provisions of the said sub-rule.

Scope of Cover As per the policy wording attached.  
Risk Covered Public Liability Act Insurance.  
Special Perils As per policy wordings attached.  
Special Exclusions As per policy wordings attached.  
Subject to Clauses As per policy wordings attached.  
Warranties Limit of Indemnity: INR 50,000,000 per claim and INR 150,000,000 in aggregate; Insureds Premises: All premises within India Owned, Operated, Rented, Leased by the Insured for the business purposes; Risk Location of the Factory Address: BIRLA COPPER ASOJ PRIVATE LIMITED, SURVEY NO. 21, VIL-LAGE - ASOJ, VADODARA - HALOL HIGHWAY, TQ - WAGHODIA, DIST - VADODARA, GUJARAT - 391 510  
Special Conditions Estimated Annual Turnover - INR 7,68,78,00,00,000/-; Paid Up Capital: INR 2,24,71,72,523; Territory and Jurisdiction : India.; Insureds Business: Manufacturing, distribution, supply, sale & marketing of, & trade in; alumina, primary aluminium & downstream value added products through rolling extrusion and recycling; Power generation, Bauxite & coal mining, and related products & services. Manufacturing, distribution, supply, sale & marketing of, & trade in; Copper cathodes and continuous cast copper rods, precious metals, sulphuric acid, phosphoric acid, di-ammonium phosphate (DAP) & other phosphoric fertilizers, and phospho gypsum; and related products & services. Loading, Un-loading & Handling of Captive Cargo (Copper Unit) and Commercial Cargo at Dahej Harbour. Subsidiary Company Name: Hindalco Aluminium Limited; 1) Hindalco Aluminium Limited; 2) Suvas Holdings Limited; 3) Utkal Alumina International Limited; 4) Hindalco Aluminium Aerospace Limited; 5) Dahej Harbour and Infrastructure Limited; 6) Tubed Cast Pipes Limited; Business Description: Manufacture of non-metallic mineral products n.e.c.; Name of the Entity: Suvas Holdings Limited; Business Description: Power Generating Company; Name of the Entity: Utkal Alumina International Limited; Busi-

Fax no: 020-30512246  
Give a Missed Call on 8080945060, SMS "WORRY" to 575758  
Say Hi on WhatsApp us on 7507245858





Business Description: Alumina Refining; Name of the Entity: Hindalco-Almex Aerospace Limited; Business Description: Manufacture of basic precious and non-ferrous metals; Name of the Entity: Dahej Harbour and Infrastructure Limited; Business Description: Building of complete constructions or parts thereof, civil engineering; Name of the Entity: Tubed Coal Mines Limited; Business Description: Mining and agglomeration of hard coal Includes underground or open-cut mining of anthracite, bituminous or other hard coal; cleaning, sizing, pulverizing and other operations to improve the quality, operations to recover hard coal from culm banks; manufacture of briquettes or other solid fuels consisting chiefly of hard coal and in-situ gasification of coal. Hindalco Industries Ltd., Kuppam works, SY 255 279 257 Industrial Park C Block Kuppam, Chittoor 517425, Andhra Pradesh Business of the Insured:- Aluminium extrusion plant-Aluminium solutions for Heat Exchangers, Automotive applications and HVACR Turnover:- INR 360 Crores;

**Comments**

Rest as per Policy wording.

Bank RM Employee Code : Y

Business Occupancy : Others

Business Description :

Broker Code 10003766

Channel Name : BR

Broker Name : Aditya Birla Insurance Brokers Ltd

Contact No : 8939928889/18002095858

Email - k.panneer@adityabirlacapital.com

Premium Collection Details [Receipt No/Collection No/Amount] 1919-00119904 / 385905610 / Rs. 1,92,581.00 ,

\*\*\* If Premium paid through Cheque, the Policy is void ab-initio in case of dishonour of Cheque

\*\*\* This policy is subject to the standard policy wordings, warranties and conditions applicable for this product in addition to any specific warranty or condition attached

For &amp; On Behalf of Bajaj Allianz General Insurance Company Ltd.

Authorized Signatory  
Printed, Signed and Executed at Pune

This document is digitally signed, hence counter signature / stamp is not required

Regd Office : Bajaj Allianz House, Airport Road, Yerwada Pune-411006 (India), A Company incorporated under Indian Companies Act, 1956 and licensed by Insurance Regulatory and Development Authority of India [IRDA] vide Reg No.113, Corporate Identification Number U66010PN2000PLC015329.

Consolidated Stamp Duty of Rs.0.25/- paid towards Insurance Stamps vide Challan No. MH009975032292324N Defaced No. 0005568654202324 ORDER NO.CSD/17/2023/4571 ORDER DATED 10.11.2023 DEFACED dated 10-NOV-23 timing 16:41:13 of General Stamp Office, Mumbai, India.

Principal Location : Bajaj Allianz House, Airport Road, Yerwada, Pune - 411006 PH:6026666 | Services Accounting Code : 997139 - Other non-life Insurance services (excluding reinsurance services). No reverse charge is payable on these services.

In case of any claim, please contact our 24 Hour Call centre at 1800-102-5858 (Toll Free) / 91-020-30305858 (chargeable, add area code before this number in case of mobile call) or email us at 'Bagichelp@bajajallianz.co.in'.

385905610/-/10003766/-/-

Prefix your area code if you are calling from a Mobile Device.

A Company incorporated under Indian Companies Act, 1956 and licensed by Insurance Regulatory and Development Authority of India [IRDA] vide Reg No.113, Corporate Identification Number U66010PN2000PLC015329.

Generated by neeraj kumar10

Quotation No : QU-24-1919-3304-00000079

Fax no: 020-30512246  
Give a Missed Call on 8080945060, SMS 'WORRY' to 575756  
Say Hi on WhatsApp on 7507245858

**Bajaj Allianz Comprehensive General Liability Policy**  
**Premises-Operations and Products-Completed Operations**

**POLICY SCHEDULE**

Policy Serving Office	:	Bajaj Allianz General Insurance Co. Ltd 952/954 Appasaheb Marathe Marg, Next to Saraswat Bhavan, Prabhadevi, Mumbai-400025 Phone No :02266622666
Policy Number	:	OG-24-1919-3303-00000281
Policy Holder Name	:	HINDALCO INDUSTRIES LTD
Communication Address	:	AHURA CENTRE, B WING, MAHAKALI CAVES ROAD, ANDHERI, PO Area - ANDHERI EAST, MUMBAI, MAHARASHTRA - 400093
Policy Form	:	Claim Made
Co-Insurance Details	:	Own Share: 100%
Insured Business	:	<p>Manufacturing, distribution, supply, sale &amp; marketing of, &amp; trade in; alumina, primary aluminium &amp; downstream value-added products through rolling extrusion and recycling; Power generation, Bauxite &amp; coal mining, and related products &amp; services.</p> <p>Manufacturing, distribution, supply, sale &amp; marketing of, &amp; trade in; Copper cathodes and continuous cast copper rods, precious metals, sulphuric acid, phosphoric acid, di-ammonium phosphate (DAP) &amp; other phosphoric fertilizers, and phospho gypsum; and related products &amp; services.</p> <p>Loading, Un-loading &amp; Handling of Captive Cargo (Copper Unit) and Commercial Cargo at Dahej Harbour</p> <p><b>Business Description entity wise:</b></p> <p>Name of the Entity: Minerals &amp; Minerals Limited Business Description: Manufacture of non-metallic mineral products n.e.c</p> <p>Name of the Entity: Suvas Holdings limited; Business Description: Power Generating Company;</p> <p>Name of the Entity: Utkal Alumina International Limited; Business Description: Alumina Refining;</p> <p>Name of the Entity: Hindalco-Almex Aerospace Limited; Business Description: Manufacture of basic precious and non-ferrous metals;</p> <p>Name of the Entity: Dahej Harbour and Infrastructure Limited; Business Description: Building of complete constructions or parts thereof; civil engineering;</p> <p>Name of the Entity: Tubed Coal Mines Limited; Business Description: Mining and agglomeration of hard coal Includes underground or open-cut mining of anthracite, bituminous or other hard coal; cleaning, sizing, pulverizing and other operations to improve the quality; operations to recover hard coal from culm banks; manufacture of briquettes or other solid fuels consisting chiefly of hard coal and in-situ gasification of coal</p> <p>East Coast Bauxite Mining Company Pvt. Ltd – Mining</p>

		Birla Copper Asoj Private Limited - Manufacturing
Subsidiaries Covered	:	1. Minerals and Minerals Limited; 2. Suvas Holdings Limited; 3. Utkal Alumina International Limited; 4. Hindalco-Almex Aerospace Limited; 5. Dahej Harbour and Infrastructure Limited; 6. Tubed Coal Mines Ltd. 7. East Coast Bauxite Mining Company Pvt. Ltd 8. Birla Copper Asoj Private Limited
Policy Period	:	<b>From : 05-DEC-23</b> 12.00 am Local Standard Time <b>To : 04-DEC-24</b> 11.59 pm Local Standard Time
GSTIN / UIN	:	27AAACH1201R1ZN <b>State Code / Name:</b> 27 - Maharashtra
Invoice Number	:	368587333/3
Company GST No	:	27AABC5730G1ZX
Company PAN	:	AABC5730G
Item 1 - Aggregate Limit of Indemnity	:	<b>AGGREGATE LIMIT OF INDEMNITY DURING THE POLICY PERIOD:</b> <b>INR 1,000,000,000</b> <b>Premises and Operations Liability:</b> INR 1,000,000,000 per claim and in aggregate <b>Personal &amp; Advertising Injury Limit:</b> INR 300,000,000 per claim and in aggregate <b>Fire Damage:</b> INR 500,000 per occurrence <b>Medical Expenses Limit:</b> INR 50,000 per person <b>Products and Operations Liability:</b> INR 1,000,000,000 per claim and in aggregate
Item 2 - Premises Covered	:	a) All Offices, Godowns/Warehouse Owned/Rented/Leased within India by the Insured for the business purposes on undesignated basis.  b) Plants & Mining sites (only designated premises stand covered as per Annexure I attached)
Item 3 - Products Covered	:	Aluminium Extrusion, Foil and packing & DAP fertilisers Aluminium battery enclosure assembled EXTRUSION ASSY SIDE SILL LH EXTRUSION ASSY SIDE SILL RH
Item 4 - Deductible	:	<b>Premises and Operations Liability:</b> INR 2,000,000 each and every claim for claims arising due to Mining activities INR 150,000 each and every claim for Rest of Claims <b>Product Completed Operations Liability:</b> INR 1,000,000 for each and every claim
Item 5 - Retroactive Date	:	<b>Product Completed Operations Liability:</b> June 01, 2022 <b>Premises and Operations Liability:</b> April 01, 1991: LOL INR 30,000,000 <b>May 01, 2020 for following Extensions:</b> 1. Personal & Advertising Injury Extension 2. Personal Property in Care, Custody and Control Extension 3. Incidental Medical Malpractice Extension 4. Tenant's Legal Liability Clause



January 24, 2024

To  
The Member Secretary,  
U.P. Pollution Control Board,  
T.C 12 – V, Vibhuti Khand,  
Gomtinagar,  
LUCKNOW

**Sub: Progress Report under Section 21 / 22 of the Air (Prevention and Control Of Pollution) Act 1981 for the quarter (October'23 to December'23).**

1. The industry is operating by maintaining all installed air pollution control system effectively and are in compliance for emission norms under EP Rules 1986.
  - a) Please find attached Ambient Air Monitoring reports for four locations monitored by an approved laboratory on quarterly basis as Annexure – I.
  - b) Stack emission monitoring is being done by an approved laboratory on quarterly basis as Annexure – II.
  - c) Calibration of installed OCEMS at our main process stacks (22 nos.) done by jointly with OEM & an approved laboratory on quarterly basis. The online emission data is being transmitted to CPCB server regularly. Please find attached Calibration report as Annexure –III.
  - d) Please find attached compliance report on recommendation of core committee constituted by Hon'ble NGT as Annexure – IV.
  - e) Ash generation and utilization for the quarter October'23 to December'23 as mentioned below.

Month	October-23	November-23	December-23
Generation (MT)	27664.899	23461.269	24204.961
Utilization (MT)	21807.522	19289.373	19437.905

.....1

HINDALCO INDUSTRIES LIMITED  
Renukoot Works  
P O Renukoot - 231217  
Distt. Sonbhadra (U.P.)  
Telephone +91 5448 252077-79 / 254791-98  
Fax +91 5448 252107 / 252427

REGISTERED OFFICE  
Ahura Centre, 1<sup>st</sup> Floor, B-Wing  
Mahakali Caves Road,  
Andheri(East), Mumbai 400 030  
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E mail [hindalco@adityabirla.com](mailto:hindalco@adityabirla.com)  
Corporate Identity No. L27020MH1958PLC011238



:2:

We hope you will please find the above in order.

Thanking you,

Yours faithfully,  
FOR HINDALCO INDUSTRIES LIMITED

Anil Singh  
Assistant General Manager (Environment)

cc: The Regional Officer,  
U.P. Pollution Control Board,  
House No. 162, Uttar Mohal  
Sonebhora.

HINDALCO INDUSTRIES LIMITED  
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January 24, 2024

The Member Secretary,  
U.P. Pollution Control Board,  
T.C 12 – V, Vibhuti Khand,  
Gomtinagar,  
LUCKNOW

**Sub: Progress Report under Section 25 / 26 of the Water (Prevention and Control of Pollution) Act 1974 for the quarter (October'23 to December'23).**

- 1) The Industrial Effluent Treatment Plant and the Domestic Effluent Treatment Plant were operated continuously during the quarter October'23 to December'23. The Details are as follows.

- a) The Quantity of treated Effluent Recycled & Reused in KL / Day.

Month	October-23	November-23	December-23
	4860	4632	5164

- b) The Treated Effluent discharged into Murdhawa Nallah in KL / Day.

Month	October-23	November-23	December-23
	0	0	0

- c) The Quantity of treated Domestic Recycled & Reused in KL / Day.

Month	October-23	November-23	December-23
	7164	6481	6827

- d) The Treated Domestic discharged into Murdhawa Nallah in KL / Day.

Month	October-23	November-23	December-23
	4021	6145	5366

- e) The analysis of the treated industrial effluent and Sewage Effluent during the quarter done by approved laboratory is attached as Annexure – I.

....1

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Corporate Identity No. L27020MH1958PLC011238



: 2:

- 2) We have installed online Effluent emission monitoring system at our ETP & STP. The data is being transmitted to CPCB server regularly. Please find attached calibration certificate of installed OCEMS done on quarterly basis by M/s Axis Nano Technology as Annexure – II.

We hope you will please find the above in order.

Thanking you,

Yours faithfully,  
FOR HINDALCO INDUSTRIES LIMITED

Anil Singh  
Assistant General Manager (Environment)

Cc: The Regional Officer,  
U.P. Pollution Control Board,  
House No. 162, Uttar Mohal  
Sonebhadra.

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Corporate Identity No. L27020MH1958PLC011238



Annexure - IV

April 10, 2024

To  
The Member Secretary,  
U.P. Pollution Control Board,  
T.C 12 - V, Vibhuti Khand,  
Gomtinagar,  
LUCKNOW

Sub: Progress Report under Section 21 / 22 of the Air (Prevention and Control Of  
Pollution) Act 1981 for the quarter (January'24 to March'24).

1. The industry is operating by maintaining all installed air pollution control system effectively and are in compliance for emission norms under EP Rules 1986.
  - a) Please find attached Ambient Air Monitoring reports for four locations monitored by an approved laboratory on quarterly basis as Annexure - I.
  - b) Stack emission monitoring is being done by an approved laboratory on quarterly basis as Annexure - II.
  - c) Calibration of installed OCEMS at our main process stacks (22 nos.) done by jointly with OEM & an approved laboratory on quarterly basis. The online emission data is being transmitted to CPCB server regularly. Please find attached Calibration report as Annexure -III.
  - d) Please find attached compliance report on recommendation of core committee constituted by Hon'ble NGT as Annexure - IV.
  - e) Ash generation and utilization for the quarter January'24 to March'24 as mentioned below.

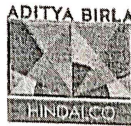
Month	January'24	February'24	March'24
Generation (MT)	27092.051	27061.894	32046.218
Utilization (MT)	29092.051	28072.865	32709.854

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Corporate Identity No. L27020MH1958PLC011238

डाक प्राप्ति रसीद  
प्राप्ति दिनांक 22/04/24  
प्राप्तकर्ता के हस्ताक्षर  
उपस्थित प्रमुख निदेशक बोर्ड, लखनऊ



:2:

We hope you will please find the above in order.

Thanking you,

Yours faithfully,  
FOR HINDALCO INDUSTRIES LIMITED

Anil Singh  
Assistant General Manager (Environment)

cc: The Regional Officer,  
U.P. Pollution Control Board,  
House No. 162, Uttar Mohal  
Sonebhora.

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April 15, 2024

The Member Secretary,  
U.P. Pollution Control Board,  
T.C 12 – V, Vibhuti Khand,  
Gomtinaga,  
LUCKNOW

Sub: Progress Report under Section 25 / 26 of the Water (Prevention and Control of Pollution) Act 1974 for the quarter (January'24 to March'24).

1) The Industrial Effluent Treatment Plant and the Domestic Effluent Treatment Plant were operated continuously during the quarter January'24 to March'24. The Details are as follows.

a) The Quantity of treated Effluent Recycled & Reused in KL / Day.

Month	January'24	February'24	March'24
	4717	5160	5206

b) The Treated Effluent discharged into Murdhawa Nallah in KL / Day.

Month	January'24	February'24	March'24
	0	0	0

c) The Quantity of treated Domestic Recycled & Reused in KL / Day.

Month	January'24	February'24	March'24
	6867	8178	4556

d) The Treated Domestic discharged into Murdhawa Nallah in KL / Day.

Month	January'24	February'24	March'24
	5450	3488	881*

e) The analysis of the treated industrial effluent and Sewage Effluent during the quarter done by approved laboratory is attached as Annexure – I.

HINDALCO INDUSTRIES LIMITED  
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डाक प्राप्ति रसीद  
प्राप्ति दिनांक 22.11.24  
REGISTERED OFFICE  
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Mahakali Caves Road,  
Andheri(East), Mumbai 400 030  
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E mail hindalco@adityabirla.com  
Corporate Identity No. LZ7020MH1953PLC011238



:2:

- 2) We have installed online Effluent emission monitoring system at our ETP & STP. The data is being transmitted to CPCB server regularly. Please find attached calibration certificate of installed OCEMS done on quarterly basis by M/s Axis Nano Technology as Annexure – II.
- 3) \* We have planned for modification/ maintenance job at our STP for a period of 15 days to run the STP plant on sustainable basis. UPPCB has issued approval letter vide H07881/C-2/Jal/-41/24 dated March 05,2024 for initiating required job that shall be compiled within 15 days. The requisite job has been completed on March19, 2024. We have communicated to UPPCB vide our letter dated March 20, 2024, along with the analysis result of treated domestic effluent vide our letter dated April13,2024.

We hope you will please find the above in order.

Thanking you,

Yours faithfully,  
FOR HINDALCO INDUSTRIES LIMITED

Anil Singh  
Assistant General Manager (Environment)

Cc: The Regional Officer,  
U.P. Pollution Control Board,  
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Corporate Identity No. L27020MH1968PLC011230

**WORK ZONE MONITORING RESULT (OCTOBER 2023 – MARCH 2024)**

<b>Sl. No</b>	<b>Location</b>	<b>Date</b>	<b>SPM (<math>\mu\text{gm}/\text{m}^3</math>)</b>	<b>Total Fluoride (<math>\mu\text{gm}/\text{m}^3</math>)</b>
1	Center of Line- I (Plant-I)	14.10.23	353.08	212.17
2	Roof Top Line- I (Plant-I)	14.10.23	241.12	241.26
3	Center of Line- IX (Plant-II)	16.10.23	379.12	247.75
4	Roof Top Line- IX (Plant-II)	16.10.23	263.48	213.13
5	Center of Line- XI (Plant-II)	22.10.23	365.76	284.06
6	Roof Top Line- XI (Plant-II)	22.10.23	246.83	247.15
7	Caster	29.10.23	247.55	-
8	Davy Cold Mill	05.10.23	380.42	-
9	Center of Line- III (Plant-I)	16.11.23	341.80	228.92
10	Roof Top Line- III (Plant-I)	16.11.23	234.94	218.20
11	Center of Line- V (Plant-II)	19.11.23	367.28	192.49
12	Roof Top Line- V (Plant-II)	19.11.23	260.35	249.82
13	Center of Line- VII (Plant-II)	25.11.23	350.21	268.29
14	Roof Top Line- VII (Plant-II)	25.11.23	265.80	277.88
15	Caster	09.11.23	249.70	-
16	Davy Cold Mill	19.11.23	388.97	-
17	Center of Line- III (Plant-I)	07.12.23	333.59	158.98
18	Roof Top Line- III (Plant-I)	07.12.23	213.48	202.33
19	Center of Line- V (Plant-II)	14.12.23	392.05	194.40
20	Roof Top Line- V (Plant-II)	14.12.23	237.16	160.94
21	Center of Line- VII (Plant-II)	21.12.23	363.44	280.04
22	Roof Top Line- VII (Plant-II)	21.12.23	246.45	252.68
23	Caster	23.12.23	250.93	-
24	Davy Cold Mill	25.12.23	394.97	-

Sl. No	Location	Date	SPM ( $\mu\text{gm}/\text{m}^3$ )	Total Fluoride ( $\mu\text{gm}/\text{m}^3$ )
25	Center of Line- II (Plant-I)	05.01.24	399.55	180.84
26	Roof Top Line- II (Plant-I)	05.01.24	192.05	212.26
27	Center of Line- VI (Plant-II)	19.01. 24	384.71	261.12
28	Roof Top Line- VI (Plant-II)	19.01. 24	223.09	184.85
29	Center of Line- VIII (Plant-II)	21.01. 24	386.97	293.62
30	Roof Top Line- VIII (Plant-II)	21.01. 24	256.24	230.67
31	Caster	11.01. 24	243.73	-
32	Davy Cold Mill	22.01. 24	392.30	-
33	Center of Line- III (Plant-I)	09.02. 24	337.39	218.34
34	Roof Top Line- III (Plant-I)	09.02. 24	208.59	165.30
35	Center of Line- IV (Plant-II)	19.02. 24	329.73	258.82
36	Roof Top Line- IV (Plant-II)	19.02. 24	212.75	215.89
37	Center of Line- VI (Plant-II)	26.02. 24	376.13	277.55
38	Roof Top Line- VI (Plant-II)	26.02. 24	275.40	234.22
39	Caster	12.02. 24	249.88	-
40	Davy Cold Mill	16.02. 24	379.85	-
41	Center of Line- I (Plant-I)	09.03. 24	311.40	409.92
42	Roof Top Line- I (Plant-I)	09.03. 24	259.26	439.71
43	Center of Line- IX (Plant-II)	11.03. 24	331.65	444.50
44	Roof Top Line- IX (Plant-II)	11.03. 24	263.77	597.03
45	Center of Line- XI (Plant-II)	25.03. 24	346.96	481.55
46	Roof Top Line- XI (Plant-II)	25.03. 24	334.43	470.79
47	Caster	03.03. 24	343.56	-
48	Davy Cold Mill	17.03. 24	377.04	-

**Results of Noise Monitoring Around**  
**Hindalco Industries Limited, Renukoot**

**Date Of Noise Monitoring: November 18, 2023**  
**In side Factory Premises**

Sl. No.	Location	Frequency	Noise Level dB (A) (Day Time 4:30 P.M)	Noise Level dB (A) (Night Time 4:00 A.M)
1.	Plant – II ( Reception Gate )	Quarterly	72.0 – 74.0	66.6 – 70.1
2.	Plant – I ( Canteen )	---do---	70.3 – 72.7	65.5 – 68.7
3.	Pot Line – I (Central)	---do---	71.2 – 73.8	66.5 – 68.1
4.	Pot Line –VIII (Central)	---do---	67.8 – 70.9	61.6 – 63.8
5.	Pot Line – X (Central)	---do---	72.1 – 74.5	64.7 – 66.9
6.	Alumina Plant ( Hammer Mill )	---do---	73.4 – 75.6	64.6 – 66.9
7.	Workshop	---do---	73.8 – 77.0	62.8 – 65.4
8.	Cold Mill	---do---	72.3 – 74.5	63.6 – 65.6
9.	Rectifier Plant -I	---do---	67.3 – 70.9	68.4 – 70.8
10.	Time Office Plant - II	---do---	72.3 – 74.1	69.6 – 72.6
11.	Training & Development Centre	---do---	74.3 – 76.2	67.5 – 69.7
12.	Reserch & Development Office	---do---	75.1 – 78.3	64.7 – 66.9

**Results of Noise Monitoring Around**  
**Hindalco Industries Limited, Renukoot**

**Date Of Noise Monitoring: November 18, 2023**  
**Out side Factory Premises**

Sl. No.	Location	Frequency	Noise Level dB (A) (Day Time 4:30 P.M)	Noise Level dB (A) (Night Time 4:00 A.M)
1.	Alumina Chimney	Quarterly	66.8 – 70.6	58.2 – 60.9
2.	Co-Oprative ( Admn. Colony)	---do---	67.5 – 69.4	54.9 – 59.0
3.	Kalyan Bhavan Plant -II	---do---	68.3 – 70.2	53.1 – 55.7
4.	Sheetala Mandir	---do---	69.5 – 72.2	60.2 – 62.3
5.	New I-Type Colony	---do---	66.7 – 68.9	59.1 – 62.8
6.	Hindalco Hospital Plant -II	---do---	68.3 – 70.4	57.7 – 59.7
7.	Hindalco Primary School - II	---do---	65.4 – 67.5	58.7 – 60.3
8.	Hindalco Mall	---do---	71.0 – 74.3	56.3 – 59.0
9.	Kalyan Mandap	---do---	61.9 – 65.8	55.7 – 54.3
10.	Aditya Birla Intermediate Collage	---do---	63.9 – 67.8	57.3 – 59.6
11.	Dharamsang Plant -I	---do---	66.8 – 69.5	56.5 – 59.3
12.	Building Department Plant - II	---do---	61.4 – 65.2	55.9 – 58.4

**Results of Noise Monitoring Around**  
**Hindalco Industries Limited, Renukoot**

**Date Of Noise Monitoring: February 15, 2024**  
**In side Factory Premises**

Sl. No.	Location	Frequency	Noise Level dB (A) (Day Time 4:30 P.M)	Noise Level dB (A) (Night Time 4:00 A.M)
1.	Plant – II ( Main Gate )	Quarterly	66.06 – 70.09	63.25 – 65.21
2.	Canteen Plant - II	---do---	68.18 – 75.09	67.08 – 69.30
3.	Pot Line – V (Central)	---do---	70.18 – 73.14	63.77 – 66.29
4.	Pot Line –VI (Central)	---do---	71.33 – 74.15	66.37 – 71.12
5.	Pot Line – XI (Central)	---do---	65.16 – 70.99	68.36 – 71.62
6.	Alumina Plant ( Centra Office )	---do---	74.09 – 78.44	70.48 – 72.99
7.	Central Lab	---do---	72.92 – 75.40	60.47 – 63.17
8.	Extrusion Press # 1	---do---	63.05 – 66.38	59.28 – 62.91
9.	Rolling Mill	---do---	72.08 – 76.37	64.44 – 77.67
10.	HR Building	---do---	73.03 – 77.28	61.28 – 63.01
11.	Belet Caustic	---do---	68.06 – 71.11	64.23 – 67.81
12.	Baking Furnace # 4	---do---	71.14 – 74.33	61.44 – 63.08

**Results of Noise Monitoring Around**  
**Hindalco Industries Limited, Renukoot**

**Date Of Noise Monitoring: February 15, 2024**  
**Outside Factory Premises**

Sl. No.	Location	Frequency	Noise Level dB (A) (Day Time 4:30 P.M)	Noise Level dB (A) (Night Time 4:00 A.M)
1.	Auditorium (Admn. Colony)	Quarterly	69.9 – 70.9	58.9 – 69.8
2.	Rimjhim Vatica (Admn. Colony)	---do---	68.6 – 75.1	53.6 – 56.6
3.	Uco Bank	---do---	69.5 – 71.2	52.6 – 55.6
4.	IDBI Bank	---do---	70.5 – 73.5	58.2 – 64.3
5.	Mitali Club	---do---	76.2 – 78.0	55.0 – 58.9
6.	Aditya Birla Public School	---do---	70.9 – 76.9	55.2 – 58.0
7.	Arya Samaj School	---do---	69.2 – 74.9	54.9 – 58.6
8.	Birla Market	---do---	71.2 – 76.3	53.2 – 55.6
9.	Staff Club	---do---	68.7 – 73.3	52.3 – 56.6
10.	Uco Bank Colony	---do---	70.2 – 74.3	54.8 – 59.3
11.	Sai Nath Mandir	---do---	71.9 – 76.9	53.5 – 55.5
12.	Mahila Mandal School	---do---	69.8 – 74.5	64.1 – 67.5

**Boiler & Co-Generation Plant, Hindalco - Renukoot**

S.NO.	ITEM	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	
1	CAPACITY OF POWER PLANT (MW)	84Mw	84Mw	84Mw	84Mw	84Mw	84Mw	
	TOTAL POWER GENERATED (MWH)	44476.11	30684.36	33055.11	37264.2	40535.97	43827	229842.75
2	<b>Coal Consumption</b>	70394.15	57187.99	59439.30	65693.26	67284.67	76209.79	396209.16
<b>ASH GENERATION (MT)</b>								
3	FLY ASH( ASH SILO)	21948.882	18534.224	19504.566	21545.666	21969.085	21383.499	124885.922
4	BOTTOM ASH	5716.017	4927.045	4700.396	5546.385	5092.808	10662.719	36645.370
5	<b>TOTAL ASH GENERATED</b>	<b>27664.899</b>	<b>23461.269</b>	<b>24204.961</b>	<b>27092.051</b>	<b>27061.894</b>	<b>32046.218</b>	<b>161531.293</b>
<b>ASH UTILISATION (MT)</b>								
6	CEMENT INDUSTRY	21807.522	18411.373	19437.905	21256.567	21933.506	21113.719	123961
7	GREEN AREA DEVELOPMENT	0.000	878.000	0.000	177.000	469.000	269.780	1793.780
8	LOW LYING AREA	8857.377	6349.895	7767.056	7658.484	5670.359	11326.355	47629.526
9	<b>TOTAL ASH UTILIZATION</b>	<b>30664.899</b>	<b>25639.268</b>	<b>27204.961</b>	<b>29092.051</b>	<b>28072.865</b>	<b>32709.854</b>	<b>173384</b>