

November 13, 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'2024 – September'2024 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 has been already submitted along with our previous compliance report.
6. Authorization under Rule 5 of Hazardous and Other Wastes (Management, Handling Transboundary 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 April 2024 – June 2024 & July 2024 – September 2024 as submitted to U.P. Pollution Control Board. is attached as Annexure – III.
8. Work Zone monitoring data for the period April'2024 to September'2024 is attached as Annexure – IV.



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9. Noise Monitoring done by us on quarterly basis. The Monitoring result for the period April 2024 – June 2024 & July 2024 – September 2024 is attached as Annexure – V.
10. Fly Ash Utilization details for the period April 2024 to September 2024 are attached as Annexure – VI.

We hope you will please find the above in order.

Thanking you,

Yours faithfully,  
FOR HINDALCO INDUSTRIES LIMITED

  
Amit Singh  
A.G.V. (Environment)

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

HINDALCO INDUSTRIES LIMITED  
Renukoot Works  
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REGISTERED OFFICE  
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Corporate Identity No. LZ/020MH1958/PLC311238

**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)** dated December 2, 2011.

Period of Compliance Report : April'2024 to September'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.	Quarterly monitoring is being done by approved laboratory. April'24 - June'24 and July'24 – September'24 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. Dry Scrubbing system is in place to control emission from the Pot lines. Fugitive emission monitoring is being done on monthly basis at the roof top / Center of Pot lines.
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	In place.

	location near the main gate of the company in the public domain.	
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 UPCCB six monthly.	Quarterly monitoring report for the quarter April 2024 – June 2024 & July 2024 – September 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.	Freshwater consumption is approx. 25910 KI / day for plant process as well for drinking purpose in plant and colony. Treated ETP & STP effluent is being reused in plant process / horticulture and spraying purpose.  We have established ZLD concept in plant process.
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 UPCCB/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 run off 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 April'2024 to September'2024 approx. 449686 MT Red Mud is being send to Cement Industries which is approx. 87.4% 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 UPCCB as per Hazardous Waste (Management, Handling & Transboundry Movement) Rules 2008. Leachate collection facilities should be provided to the secured landfill facility (SLF). The dross shall be recycled in the cast house.	Complied with.  Our used Anode Butt is mixed with raw mix for making green Anode. SPL (Carbon & Non-Carbon) is being dispatched to approved re-cyclers / TSDF in compliance of H.W Authorization.

xi.	Occupational Health Surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.	Please find attached Periodical Health Check Up Status for the period of April'2024 to September'2024 as Annexure – A conduct in our OHC.
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.	Noted. We have CSR department which is taken care of social upliftment of nearby areas. Please find attached beneficiaries' details for the period of April'2024 to September'2024 as Annexure - B
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. The housing may be in the form of temporary structures to be removed after the completion of the project.	We have provided necessary infrastructure and facilities for construction workers.
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 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 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 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 PM10, 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 Nos. continuous Ambient Air Quality Monitoring (CAAQMS) have been installed at Renukoot. Quarterly monitoring is also being done by an approved laboratory in the quarter April 2024 – June 2024 & July 2024 – September 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	The cost for environment protection has been earmarked separately.

	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.	
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 Transboundary Movement) Rules, 2021 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.	Noted.






26-Oct-24

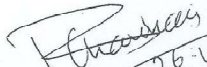
**OCCUPATIONAL HEALTH SERVICES**  
**HINDALCO INDUSTRIES LIMITED, RENUKOOT**

TO  
ENVIRONMENT CELL  
HINDALCO, RENUKOOT

**PERIODICAL HEALTH CHECK UP STATUS**  
(From Apr.-2024 To Sept.-2024)

PERIODICAL HEALTH CHECK-UP	AUDIOMETRY	SPIROMETRY	VISION SCREENING	ECG	X-ray
6274	6272	3082	4518	4134	4106

  
(F. D. Tiwari)  
OHC Admin

  
(Dr. Reena Chauhan)  
Head-OHC  
26-10-24

**HINDALCO-RURAL DEVELOPMENT  
OUTCOME OF RURAL DEVELOPMENT ACTIVITIES  
FOR THE PERIOD OF Apr- 2024 TO Sep 2024  
OPERATIONAL AREA:- RENUKOOT; OPERATIONAL VILLAGES-**

(A)	<b>EDUCATION AND CAPACITY BUILDING PROGRAMME</b>	<b>Benef.</b>
	<b>Activities</b>	
1	Schools Supported by us -2 Nos.	1150
2	No of Aditya Bal Vidya Mandirs we run- 3 Nos.	1443
3	No of Balwadis run by us - 11 Nos.	281
4	students provided with Education materials	217
5	Career Counselling / Educaional camps- 1 No.	30
	<b>Sub Total</b>	<b>3121</b>

(B)	<b>Health &amp; Family Welfare Prog.</b>	<b>Benef.</b>
	<b>Activities</b>	
1	Hospital / Health Centre own by Company / Trust- 5 Nos.	11443
2	General Medical Camps- 87 camps	6774
3	Ante & Post Natal Care	7024
4	Immunisation to Infants / Children	13656
5	STD / RTI, AIDS Awareness & First Aid - 8 Nos.	853
6	Adolescence Health Care- 2 Nos.	81
7	Safe Drinking Water	11092
8	School Health Check up camps organised by us- 6 Camps	281
9	Eye operation Camps(IOL) - 7 Camps	447
	<b>Sub Total</b>	<b>51651</b>

(C)	<b>ECONOMIC SELF RELIANCE AND WATERSHED DEVELOPMENT</b>	<b>Benef.</b>
	<b>Activities</b>	
1	Agriculture Support Programme	2389
2	Animal Husbandry cattles Immunized	94309
3	Women Self Help Groups - 230 groups	2430
4	Social Forestry/ Plantation/ Horticulture - 125362 plants distributed	887
	<b>Sub Total</b>	<b>100015</b>

(D)	<b>INFRASTRUCTURAL DEVELOPMENT :</b>	<b>Benef.</b>
	<b>Activities</b>	
1	School Building & furnitures provided	0
	<b>Sub Total</b>	<b>0</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- 115 Nos.	4323
2	Tournament, Festivals and Cultural prog.- 11 Nos.	717
	<b>Sub Total</b>	<b>5040</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 ABRTP & Three Block- 10 Nos.	150
2	Technical Skill Training	252
3	Treatment at Rural Hospital (daily OPD, operations)	4621
	<b>Sub Total</b>	<b>5023</b>
	<b>Grand Total</b>	<b>164850</b>

**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 : April'2024 to September'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.	130148 MT of ash has been dispatched to various Cement Industries and in other users for the period of April'2024 to September ' 2024. Please see attached Annexure – VII.

Sr. No.	Conditions	Compliance Status
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.

Sr. No.	Conditions	Compliance Status
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.

Sr. No.	Conditions	Compliance Status
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



July 17, 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 (April'24 to June'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 OCEVS 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 April'23 to June'23 as mentioned below.

Month	April-24	May-24	June-24
Generation (MT)	22184.317	25878.793	23542.951
Utilization (MT)	22224.317	25845.642	23675.212

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Anandipatti, Mumbai 400 026  
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. L2702DM-11958PLC011238

उत्तर प्रदेश सरकार  
23/7/24  
[Signature]





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

HINDALCO INDUSTRIES LIMITED  
Renukoot Works  
P.O. Renukoot - 231217  
Dist. Sonbhadra (U.P.)  
Telephone +91 5446 251071-79 / 254791-96  
Fax +91 5446 252107 / 252427

REGISTERED OFFICE  
Ahura Centre, 1<sup>st</sup> Floor, B-Wing  
Mumbai Caves Road,  
Andheri (East), Mumbai 400 200  
Telephone +91 22 6941 7300  
Fax +91 22 0951 7001

Website: [www.hindalco.com](http://www.hindalco.com)

E mail: [hindalco@adityabirla.com](mailto:hindalco@adityabirla.com)

Corporate Identity No. L27C26WH1958PLC011258



d/c

July 17, 2024

The Member Secretary,  
J.P. Pollution Control Board,  
T.C 12 – V. Vbhuti Khari,  
Gomtinagar,  
LUCKNOW

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

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

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

Month	April-24	May-24	June-24
	5020	5119	4574

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

Month	April-24	May-24	June-24
	0	0	0

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

Month	April-24	May-24	June-24
	6620	9850	9504

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

Month	April-24	May-24	June-24
	636	1195	1535

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

Handwritten signature and date 23/07/24

HINDALCO INDUSTRIES LIMITED  
Renukoti Works  
P. O. Renukoti - 231217  
Distt. Sonbhadra (U.P.)  
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Fax +91 226691 7001

Website www.hindalco.com  
E mail hindalco@adityabirla.com  
Corporate Identity No. L27020MH1956PLC111238



: 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  
A.G.M (Environment)

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

HINDALCO INDUSTRIES LIMITED  
Renucoat Works  
P.O. Renucoat - 231217  
Distt. Sonebhadra (U.P.)  
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REGISTERED OFFICE  
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Website [www.hindalco.com](http://www.hindalco.com)  
E-mail [hindalco@adityabirla.com](mailto:hindalco@adityabirla.com)  
Corporate Identity No. L27920MH1958PLC011238



d/c

October 17, 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 (July 24 to September 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 July 24 to September 24 as mentioned below.

Month	July-24	August-24	September-24
Generation (MT)	22851.789	17777.172	17895.701
Utilization (MT)	22864.539	17792.545	17845.002

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

डाक प्राप्ति रसीद  
प्राप्ति दिनांक 22/10/24  
प्राप्तकर्ता के हस्ताक्षर  
उपरोक्त प्रमाण विवरण वाई. नं. 12



-2-

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

HINDALCO INDUSTRIES LIMITED  
Renukoot Works  
P.O. Renukoot - 231217  
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Corporate Identity No. L27020MH1958PLJ0011238



d/c

October 17, 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 (July'24 to September'24).

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

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

Month	July-24	August-24	September-24
	4739	4356	4475

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

Month	July-24	August-24	September-24
	0	0	0

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

Month	July-24	August-24	September-24
	8173	4649	5807

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

Month	July-24	August-24	September-24
	6278	10346	8944

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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Corporate Identity No. L27020MH1958PLC011238

सक प्रोवि रसोद  
22/10/24  
सक प्रोवि रसोद



: 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

  
A.G.M (Environment)

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

HINDALCO INDUSTRIES LIMITED  
Renukoot Works  
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Corporate Identity No. L27020MH1956PLC011238

WORK ZONE MONITORING RESULT (JULY 2024 – SEPTEMBER 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- III (Plant-I)	06.04.24	384.79	287.54
2	Roof Top Line- III (Plant-I)	06.04.24	324.86	255.36
3	Center of Line- V (Plant-II)	12.04.24	348.60	247.85
4	Roof Top Line- V (Plant-II)	12.04.24	238.64	245.22
5	Center of Line- VII (Plant-II)	18.04.24	341.36	220.12
6	Roof Top Line- VII (Plant-II)	18.04.24	277.18	257.16
7	Caster	22.04.24	284.87	-
8	Davy Cold Mill	24.04.24	348.99	-
9	Center of Line- II (Plant-I)	09.05.24	454.24	275.18
10	Roof Top Line- II (Plant-I)	09.05.24	381.42	261.13
11	Center of Line- X (Plant-II)	02.05.24	310.85	274.29
12	Roof Top Line- X (Plant-II)	02.05.24	255.92	245.84
13	Center of Line- XI (Plant-II)	07.05.24	371.18	206.01
14	Roof Top Line- XI (Plant-II)	07.05.24	301.20	231.32
15	Caster	20.05.24	269.24	-
16	Davy Cold Mill	22.05.24	304.14	-
17	Center of Line- I (Plant-I)	03.06.24	388.32	279.60
18	Roof Top Line- I (Plant-I)	03.06.24	358.40	255.48
19	Center of Line- VI (Plant-II)	08.06.24	297.48	220.92
20	Roof Top Line- VI (Plant-II)	08.06.24	266.36	225.30
21	Center of Line- VIII (Plant-II)	14.06.24	339.50	207.43
22	Roof Top Line- VIII (Plant-II)	14.06.24	242.01	258.74
23	Caster	19.06.24	283.52	-
24	Davy Cold Mill	19.06.24	387.56	-



: 2:

<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>
25	Center of Line- III (Plant-I)	08.07.24	420.01	279.37
26	Roof Top Line- III (Plant-I)	08.07.24	344.90	281.87
27	Center of Line- V (Plant-II)	24.07.24	316.15	240.58
28	Roof Top Line- V (Plant-II)	24.07.24	279.40	226.26
29	Center of Line- VII (Plant-II)	26.07.24	346.95	204.89
30	Roof Top Line- VII (Plant-II)	26.07.24	256.88	264.83
31	Caster	12.07.24	283.52	-
32	Davy Cold Mill	26.07.24	387.56	-
33	Center of Line- III (Plant-I)	12.08.24	295.57	238.66
34	Roof Top Line- III (Plant-I)	12.08.24	245.85	205.26
35	Center of Line- IX (Plant-II)	18.08.24	331.36	278.42
36	Roof Top Line- IX (Plant-II)	18.08.24	268.37	245.11
37	Center of Line- XI (Plant-II)	24.08.24	338.43	251.43
38	Roof Top Line- XI (Plant-II)	24.08.24	308.62	264.81
39	Caster	02.08.24	319.88	-
40	Davy Cold Mill	13.08.24	383.17	-
41	Center of Line- III (Plant-I)	12.09.24	309.38	271.38
42	Roof Top Line- III (Plant-I)	12.09.24	277.90	222.46
43	Center of Line- V (Plant-II)	16.09.24	335.55	292.75
44	Roof Top Line- V (Plant-II)	16.09.24	232.90	449.58
45	Center of Line- VII (Plant-II)	23.09.24	327.62	227.04
46	Roof Top Line- VII (Plant-II)	23.09.24	347.31	277.79
47	Caster	05.09.24	329.73	-
48	Davy Cold Mill	05.09.24	389.92	-

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

**Date Of Noise Monitoring: August 19, 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 – I ( Reception Gate )	Quarterly	72.8 – 74.6	66.6 – 70.1
2.	Plant – II ( Canteen )	---do---	71.3 – 73.7	65.5 – 68.7
3.	Pot Line – III (Central)	---do---	73.2 – 74.8	67.5 – 69.1
4.	Pot Line – VII (Central)	---do---	66.8 – 69.9	62.6 – 64.8
5.	Pot Line – XI (Central)	---do---	70.1 – 72.5	65.7 – 67.9
6.	Alumina Plant ( Central Office )	---do---	74.4 – 76.6	63.6 – 65.9
7.	Chemical Lab	---do---	71.8 – 74.0	61.8 – 63.4
8.	Rolling Mill	---do---	73.3 – 75.5	64.6 – 66.6
9.	Cast House	---do---	69.3 – 71.9	67.4 – 69.8
10.	Time Office (Central)	---do---	72.3 – 74.1	68.6 – 70.6
11.	Project Office	---do---	75.3 – 77.2	65.5 – 67.7
12.	Rectifier Plant -II	---do---	74.1 – 76.3	65.7 – 67.9

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

**Date Of Noise Monitoring: August 19, 2014  
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.	Guest House	Quarterly	67.8 – 69.6	56.2 – 58.9
2.	Rimjhim Vatika ( Admn. Colony)	---do---	65.5 – 67.4	51.9 – 55.0
3.	Kalyan Bhavan Plant -I	---do---	68.3 – 70.2	53.1 – 55.7
4.	Renukeshwar Mandir	---do---	66.5 – 68.2	55.2 – 57.3
5.	Mitali Club	---do---	67.7 – 69.9	57.1 – 59.8
6.	Hindalco Hospital	---do---	68.3 – 70.4	53.7 – 55.7
7.	Hindalco Primary School - III	---do---	65.4 – 67.5	56.7 – 58.3
8.	Ramleela Ground	---do---	69.0 – 71.3	54.3 – 58.0
9.	Kalyan Bhavan Plant - II	---do---	62.9 – 65.8	51.7 – 54.3
10.	Aditya Birla Public School	---do---	64.9 – 66.8	53.3 – 56.6
11.	Mahila Mandal School	---do---	68.8 – 70.5	55.5 – 58.3
12.	Building Department Plant - I	---do---	63.4 – 66.2	52.9 – 55.4

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

**Date Of Noise Monitoring: May 13, 2014**  
**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 – I ( Main Gate )	Quarterly	66.06 – 71.09	62.25 – 64.21
2.	Central Store	---do---	69.08 – 73.09	65.08 – 66.30
3.	Pot Line – IV (Central)	---do---	67.18 – 70.14	61.77 – 63.29
4.	Pot Line –VIII (Central)	---do---	73.33 – 75.15	67.37 – 72.12
5.	Pot Line – X (Central)	---do---	66.16 – 69.99	69.36 – 66.62
6.	Alumina Plant ( PVRS )	---do---	73.09 – 76.44	68.48 – 69.99
7.	Central Work Shop	---do---	70.92 – 72.40	64.47 – 67.17
8.	Extrusion Press # 3	---do---	61.05 – 65.38	65.28 – 66.91
9.	Corban Plant (Central)	---do---	71.08 – 75.37	63.54 – 65.47
10.	Administrative Building	---do---	70.03 – 72.28	64.28 – 67.01
11.	Rectifier Plant - I	---do---	66.06 – 69.11	66.23 – 68.81
12.	Baking Furnace # 5	---do---	68.14 – 70.33	69.44 – 72.08

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

**Date Of Noise Monitoring: May 13, 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.	Tennis Court (Admn. Colony)	Quarterly	69.3 – 70.3	58.3 – 66.8
2.	Birla House (Admn. Colony)	---do---	62.6 – 65.1	52.6 – 55.6
3.	Hindalco Mall	---do---	67.5 – 69.2	51.6 – 53.6
4.	Gurudwara	---do---	69.5 – 70.5	59.2 – 66.3
5.	PanchMukhi Hanuman Mandir	---do---	71.2 – 72.0	56.0 – 58.0
6.	Manoranjanalay	---do---	70.0 – 76.0	54.2 – 57.0
7.	Near UCO Bank	---do---	68.2 – 74.1	53.9 – 55.6
8.	Football Ground	---do---	69.2 – 74.3	51.2 – 52.6
9.	Bachelor Hostel	---do---	66.7 – 70.3	50.3 – 53.6
10.	Atithi Grih	---do---	69.2 – 72.3	55.8 – 58.3
11.	Kalyan Mandap	---do---	70.9 – 74.9	55.5 – 56.5
12.	Building Department Plant - II	---do---	67.8 – 69.5	61.1 – 63.5

<b>Boiler &amp; Co-Generation Plant, Hindalco - Renukoot</b>							
<b>S.NO.</b>	<b>ITEM</b>	<b>Apr-24</b>	<b>May-24</b>	<b>Jun-24</b>	<b>Jul-24</b>	<b>Aug-24</b>	<b>Sep-24</b>
1	CAPACITY OF POWER PLANT (MW)	84Mw	84Mw	84Mw	84Mw	84Mw	84Mw
	<b>TOTAL POWER GENERATED (MWH)</b>	<b>422235.42</b>	<b>45856.000</b>	<b>43383.516</b>	<b>37850.531</b>	<b>17895.516</b>	<b>24262.094</b>
2	<b>Coal Consumption</b>	62845.09	69368.06	64254.78	62539.11	47254.58	46592.16
<b>TOTAL ASH GENERATION (MT)</b>							
3	FLY ASH( ASH SILO)	18248.748	20918.760	19055.969	18527.869	14579.958	14495.686
4	BOTTOM ASH	3935.569	4900.033	4486.982	4323.920	3197.214	3200.015
5	<b>TOTAL ASH GENERATED</b>	<b>22184.317</b>	<b>25818.793</b>	<b>23542.951</b>	<b>22851.789</b>	<b>17777.172</b>	<b>17695.701</b>
<b>TOTAL ASH UTILISATION (MT)</b>							
6	CEMENT INDUSTRY (FLY ASH)	17997.798	20870.670	19042.229	18399.819	14491.308	14426.736
7	GREEN AREA DEVELOPMENT (FLY ASH)	240.450	48.090	13.740	128.050	88.650	68.950
8	LOW LYING AREA (BOTTOM ASH)	3986.069	4927.182	4519.243	4336.670	3212.587	3349.316
9	<b>TOTAL ASH UTILIZATION</b>	<b>22224.317</b>	<b>25845.942</b>	<b>23575.212</b>	<b>22864.539</b>	<b>17792.545</b>	<b>17845.002</b>