



May 21, 2020

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

**Sub: Expansion of Smelter and Alumina Plant Renukoot, Distt. Sonbhadra,
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 kind of October'19 to March'20 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. Please see Annexure – III.
4. Our Consent under Air (Prevention & Control of Pollution) Act 1981 which is valid till December 31, 2024. Please see Annexure – IV.
5. Please find attached Copy of Risk Held Cover Letter Public Liability Insurance Policy which is valid till April 30, 2021. Please see attached Annexure – V.
6. Copy of Air & Water progress report for last Quarter January 2020 – March 2020 as submitted to U.P. Pollution Control Board. Please see attached Annexure – VI.
7. Work Zone monitoring data for the period October 2019 to March 2020. Please see attached Annexure –VII.
8. We have Authorization under Rule 5 of Hazardous and Other Wastes (Management, Handling Transboundry Movement) Rules, 2016, which is valid till June 29, 2021.

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HINDALCO INDUSTRIES LIMITED
Renukoot Works
P.O. Renukoot - 231217
Distt. Sonbhadra (U.P.)
Telephone +91 5446 252077-79 / 254791-96
Fax +91 5446 252107 / 252427

REGISTERED OFFICE
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Website www.hindalco.com
E mail hindalco@adityabirla.com
Corporate Identity No. L27020MH1968PLC011238



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9. Noise Monitoring done by us on quarterly basis. The Monitoring result for the period October 2019 – December 2019 and January 2020 – March 2020. Please see attached Annexure – VIII.
10. Fly Ash Utilization details for the period October 2019 to March 2020. Please see attached Annexure – IX.

We hope you will please find the above in order.

Thanking you,

Yours faithfully,
FOR HINDALCO INDUSTRIES LIMITED

Mukesh Mittal
V.P. (Environment and Safety)

cc: SEE & Incharge, CPCB, Lucknow
Member Secretary, UPPCB, Lucknow
R.O. UPPCB, Sonbhadra.

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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 2019 to March 2020

A. SPECIFIC CONDITIONS:

Sl. No	Description	Compliance Status
1.i	The gaseous emissions (PM ₁₀ , SO ₂ , NO _x , 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 ³ .	Compliance reports are regularly submitted to MoEF /CPCB/SPCB. Complied with.
ii	The poly-aromatic hydrocarbons (PAH) from the carbon plant (anode bake oven) shall not exceed 2 mg/Nm ³ . The data on PAH shall be monitored quarterly and report submitted regularly to the Ministry / Regional Office at Lucknow and UPPCB.	PAH monitoring is being done by approved laboratory on quarterly basis. The analysis report for the period October 2019 - December 2019 and January 2020 - March 2020. Please see attached analysis result as Annexure - VI.
iii	Fluoride consumption should be less than 10 kg/ton of Aluminium produced as specified in the CREP guidelines.	Complied with.
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 is being monitored in Pot Room in every month. Please see attached Annexure - VII. Forage Fluoride monitoring is being done by third party once in a year. The sampling and analysis will be done in the quarter of October 2019 - March 2020.
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 ₁₀ , SO ₂ , NO _x (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.

Sl. No	Description	Compliance Status
vi.	Electrostatic precipitator(s) shall be provided to kiln and boiler stacks to control gaseous emissions within 50 mg/Nm ³ . 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 UPCEB six monthly.	The emission monitoring is being done by approved laboratory on quarterly basis. The report is attached as Annexure - VI.
vii.	Total water requirement after expansion from downstream of Rihand River shall not exceed 45,000 m ³ /day. Oily wastewater shall be treated in API separator and routed to reclamation pond for recycling. All the treated wastewater 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.	We have adopted / implemented various schemes to reduce fresh water consumption. At present fresh water consumption is approx. 28606 Kl / day. The treated effluent water and domestic water meets the prescribed standards and reused in various purpose. We have adopted systematic approached for achieving ZLD status at Renukoot.
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 UPPCB/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. We stored red mud as 65-70% solids as per CPCB guidelines surrounded by earthen dam. We have established red mud utilization in Cement Industries, during the year 2019-20, approx. 269032 MT of red mud has been supplied to M/s Ultratech Dala, JP Cement Rewa, ACC Cement Kaymore, Dalmia Cement Kalyanpur, Ultratech Cement Bela, ACC Lakheri, Kota Rajasthan, Gujarat Ambuja, Ropar, UTCL, Maihar, UTCL, Siddhi, UTCL-Aditya Cement, Chittorgarh, Prism Johnson and M/s Heidelberg / Diamond, Damoh. We are also in the process to install press filter by which % of red mud will be increased to 75%.
ix.	Green belt shall be developed in 33% area to mitigate the effects of fugitive emissions as per the CPCB guidelines.	We have lush greenery surrounding of plant and colony. The plantation has been done regularly through Horticulture/ CSR Dept. in nearby areas. We have planted 5094 no. of tree during this period for developing green belt.
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.	Complied with. Anode Butts are reused in our Plant. We have a patented process in which fluorine values are recovered from SPL and remaining carbon residue is being burnt in Boiler

Sl. No	Description	Compliance Status
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 2019 to March 2020 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.	Noted. We have CSR department which is taken care of social upliftment of nearby areas. Please find attached beneficiaries details for the period of October 2019 to March 2020 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 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 th 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, SO2 and NOx are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Lucknow and the SPCB / CPCB once in six months.	Complied with. The Ambient Air Monitoring & Stack emission is being done by third party on quarterly basis. Please see attached Annexure VI.
v.	Industrial wastewater shall be properly collected treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May, 1993 and 31 st December, 1993 or as amended form 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 PPE's 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.

Sl. No	Description	Compliance Status
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 ₂ , NO _x (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 st March in Form - V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986 as amended subsequently shall also be put on the website of the company 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.

Sl. No	Description	Compliance Status
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 http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional Office at 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.


13-May-20


OCCUPATIONAL HEALTH SERVICES
HINDALCO INDUSTRIES LIMITED, RENUKOOT

TO
ENVIRONMENT CELL
HINDALCO, RENUKOOT

PERIODICAL HEALTH CHECK UP STATUS
(From Oct -2019 To Mar -2020)

CLINICAL	AUDIOMETRY	SPIROMETRY	VISION SCREENING
3556	640	2105	142


(Dr. Bhaskar Batta)
Vice President (MS)


(Dr. Dharmendra Choudhary)
Consultant (OH)

Cc : Shri Mukesh Mittal, V.P. (Safety & Env.)

**HINDALCO-RURAL DEVELOPMENT
OUTCOME OF RURAL DEVELOPMENT ACTIVITIES
FOR THE PERIOD OF OCTOBER 2019 TO MARCH 2020
OPERATIONAL AREA:- RENUKOOT; OPERATIONAL VILLAGES-210**

(A)	EDUCATION AND CAPACITY BUILDING PROGRAMME	Benef.
	Activities	
1	Promotion of Continuing Education	950
2	Anganwadi/ Balwadi	738
3	Technical Education	67
4	Aditya Bai Vidya Mandirs	717
	Sub Total	1522

(B)	Health & Family Welfare Prog.	Benef.
	Activities	
1	Hospital / Health Centre own by Company / Trust	14287
2	General Medical Camps	9708
3	Issue based Medical camps, Malaria, Hepatitis etc.	152
4	Family Planning Camp (male)	45
5	Ante & Post Natal Care	1674
6	Immunisation to Infants / Children	4426
7	Pulse Polio Camps	67133
8	STD / RTI, AIDS Awareness & First Aid	1866
10	Adolescence Health Care	245
12	Safe Drinking Water through RO plant	13000
13	Tuberculosis	31
14	Drinking Water supply through Tanker	2000
15	Dental Check ups	307
	Sub Total	114874

(C)	ECONOMIC SELF RELIANCE AND WATERSHED DEVELOPMENT	Benef.
	Activities	
1	Vocational Training & support for IGP	414
2	Agriculture Support Programme	2379
3	Soil and water consevarion	482

4	Animal Husbandry	1172
5	Women Self Help Groups	294
Sub Total		4741

(D)	INFRASTRUCTURAL DEVELOPMENT :	Benef.
	Activities	
1	Repairing of School Building	360
2	Construction of Check Dam	52
3	Drinking Wells / Hand pumps	1720
Sub Total		2132

(E)	SOCIAL UPLIFTMENT AND WOMEN EMPOWERMENT	Benef.
	Activities	
1	Values Promotion camps/Awareness drives on knowledge attitude & practice	987
2	Social Forestry/ Plantation/ Horticulture	200
3	Tournament, Festivals and Cultural prog.	1200
Sub Total		2387

	ADITYA BIRLA RURAL TECHNOLOGY PARK, MUIRPUR	
(F)	DEVELOPMENT ACTIVITIES AT THE ADITYA BIRLA RURAL TECHNOLOGY PARK, MUIRPUR	Benef.
1	Vocational Training Centre	126
2	Agricultural Centre	1624
3	Animal Husbandry & Veterinary Hospital (health check ups, immunisations, treatment of cattle, AI etc.)	2016
4	Training of rural people at Capacity Building Centre	517
5	Treatment at Rural Hospital (daily OPD, operations)	4759
Sub Total		9042
Grand Total		134698

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 2019 to March 2020

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.	No extra land had been acquired.
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.	Complied with.
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 ³ .	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 th year full fly ash utilization should be ensured.	109928 MT of ash had been given to various Cement Industries and other usages during October 2019 to March 2020. Please see attached Annexure – IX.

Sr. No.	Conditions	Compliance Status
VII)	Water requirement should not exceed 6150 m ³ /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. The analysis report is attached as Annexure C.
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 http://envfor.nic.in	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
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



Prakriti Consultants Services

An Approved Laboratory From MoEF & Uttar Pradesh Pollution Control Board, Accredited by NABL
(An ISO 14001:2015, ISO 9001:2015 and OHSAS-18001:2007 Certified Organization)
Address: 12, Vishnupuri, Church Road, Aliganj, Lucknow-226024
E-mail: prakriti_md@rediffmail.com
Tel: 0522- 4002545, Mobile: 09415518818,

Annexure - C

An Approved Laboratory from MoEF vide - F.No. Q-15018/12/2019-CPW dated-24 Oct. 2019

'NABL' Accredited Laboratory Certificate No. TC-8241 dated-01 Jan. 2019

URL- TC824119000000994P

TEST REPORT FOR GROUND WATER QUALITY

Report No.	Reference No.	Issue Date
PCS/GWQ/01/2019	PCS/HIL/02/2019	13/01/2020
1. Name of Proponent:	M/s Hindalco Industries Limited, PO- Renukoot, Dist- Sonabhadra (UP).	
2. Type of Industry:	Aluminium Industry	
3. Weather Condition:	Clear Sky	
4. Sampling Location:	Near Gopal Hotel	
5. Quantity of Sample:	2 Litre Water Sample Collected in Bottle	
6. Method of Sampling:	As per Standard Method	
7. Sampling Done by:	Mr Asheesh Kushwaha & Mr. Vipin Kannujiya	
8. Date of Sampling:	06/11/2019	
9. Sample Receipt in Lab:	07/11/2019	
10. Date of Testing:	09/11/2019-15/11/2019	

Sl. No.	Parameters	Unit	Reference Method*	Ground Water (Well water)	BIS Standard IS 10500: 2012	
					Requirement (Acceptable limit)	Permissible limit in the absence of alternate source
1.	#Colour	Hazen	2120 B	Clear	5	15
2.	#Odour	-	2150 A	Odorless	Agreeable	Agreeable
3.	#Temperature	°C	2550 A	27	-	-
4.	#Taste	-	-	Agreeable	Agreeable	Agreeable
5.	pH	-	4500H+ B	6.80	6.5 - 8.5	NR**
6.	#Turbidity	NTU	2130 B	0.6	1	5
7.	Conductivity	µmhos/cm	2510 B	736	-	-
8.	TDS	mg/l	2540 C	451	500	2000
9.	Hardness as CaCO ₃	mg/l	2340 C	276	200	600
10.	Alkalinity	mg/l	2320 B	104	200	600
11.	Chloride as Cl	mg/l	4500-Cl,B	90.0	250	1000
12.	Sulphate as SO ₄	mg/l	4500-SO ₄	74.1	200	400
13.	Fluoride as F	mg/l	4500-F,C	0.32	1.0	1.5
14.	Calcium as Ca	mg/l	3500-Ca	40.1	75	200
15.	Magnesium as Mg	mg/l	3500-Mg,E	42.7	30	100
16.	Sodium as Na	mg/l	3500-Na,D	38.0	-	-
17.	Potassium as K	mg/l	3500-K,D	9.0	-	-
18.	Nitrate as NO ₃	mg/l	4500-B	2.25	45	NR**
19.	Copper as Cu	mg/l	3500-Cu, B	<0.001	0.05	1.5
20.	#Manganese (as Mn)	mg/l	3500-Mn, D	0.016	0.1	0.3
21.	Chromium as Cr	mg/l	3500-Cr, B	0.003	0.05	NR**
22.	Cadmium as Cd	mg/l	3500-Cd, B	<0.002	0.003	NR**
23.	Iron as Fe	mg/l	3500-Fe,D	0.039	0.3	NR**
24.	Nickel as Ni	mg/l	3500-Ni, D	0.008	0.02	NR**
25.	Lead as Pb	mg/l	3500-Pb,B	<0.001	0.01	NR**
26.	Zinc as Zn	mg/l	3500-Zn, D	0.085	5	15
27.	#Mercury as Hg	mg/l	3500-Hg,B	<0.001	0.001	NR**
28.	Arsenic as As	mg/l	3500-As,B	<0.001	0.1	0.5
29.	Residual Free Chlorine	mg/l	4500-Cl,B	BDL	0.2	1.0
30.	#Total coliforms	MPN/100ml	9221	Absent	Should be absent in any 100/ml sample	
31.	#Faecal coliforms	MPN/100ml	9221	Absent		

*As per APHA/AWWA, 22nd Ed. (2012) ** NR** No relaxation, Hg BDL****=0.009µg, As BDL**** =0.01µg, BDL- Below Detection Limit
Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the source will have to be rejected.
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Authorized Signatory
(Signature)
(Dr Divya Misra)
Managing Director

End of this Test Report

Page 1 of 1

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Ground Water Board, Compliance of E.C., NOC from U.P.P.C.B, MoEF



Prakriti Consultants Services

An Approved Laboratory From MoEF & Uttar Pradesh Pollution Control Board, Accredited by NABL
(An ISO 14001:2015, ISO 9001-2015 and OHSAS-18001-2007 Certified Organization)
Address: 12, Vishnupuri, Church Road, Aliganj, Lucknow-226024
E-mail: prakriti_mcl@rediffmail.com
Tel: 0522- 4002545, Mobile: 09415518818,

An Approved Laboratory from MoEF vide - F.No. Q-15018/12/2019-CPW dated-24 Oct. 2019

'NABL' Accredited Laboratory Certificate No. TC-8241 dated-01 Jan. 2019

URL- TC824119000000995P

TEST REPORT FOR GROUND WATER QUALITY

Report No.	Reference No.	Issue Date
PCS/GWQ/02/2019	PCS/HIL/02/2019	13/01/2020
1. Name of Proponent:	M/s Hindalco Industries Limited, PO- Renukoot, Dist- Sonbhadra (UP).	
2. Type of Industry:	Aluminium Industry	
3. Weather Condition:	Clear Sky	
4. Sampling Location:	Near Shiva Park	
5. Quantity of Sample:	2 Litre Water Sample Collected in Bottle	
6. Method of Sampling:	As per Standard Method	
7. Sampling Done by:	Mr Ashoesh Kushwaha & Mr. Vipin Kannojiya	
8. Date of Sampling:	06/11/2019	
9. Sample Receipt in Lab:	07/11/2019	
10. Date of Testing:	09/11/2019-15/11/2019	

Sl. No.	Parameters	Unit	Reference Method*	Ground Water (Bore well Water)	BIS Standard IS 10500: 2012	
					Requirement (Acceptable limit)	Permissible limit in the absence of alternate source
1.	#Colour	Hazen	2120 B	Clear	5	15
2.	#Odour	-	2150 A	Odorless	Agreeable	Agreeable
3.	#Temperature	°C	2550 A	28	-	-
4.	#Taste	-	-	Agreeable	Agreeable	Agreeable
5.	pH	-	4500H+ B	7.18	6.5 - 8.5	NR**
6.	#Turbidity	NTU	2130 B	0.6	1	5
7.	Conductivity	µmhos/cm	2510 B	1164	-	-
8.	TDS	mg/l	2540 C	380	500	2000
9.	Hardness as CaCO ₃	mg/l	2340 C	344	200	600
10.	Alkalinity	mg/l	2320 B	36.9	200	600
11.	Chloride as Cl	mg/l	4500-Cl,B	103	250	1000
12.	Sulphate as SO ₄	mg/l	4500-SO ₄	58.4	200	400
13.	Fluoride as F	mg/l	4500-F,C	0.12	1.0	1.5
14.	Calcium as Ca	mg/l	3500-Ca	36.9	75	200
15.	Magnesium as Mg	mg/l	3500-Mg,E	61.2	30	100
16.	Sodium as Na	mg/l	3500-Na,D	70.0	-	-
17.	Potassium as K	mg/l	3500-K,D	9.0	-	-
18.	Nitrate as NO ₃	mg/l	4500-B	8.7	45	NR**
19.	Copper as Cu	mg/l	3500-Cu, B	0.013	0.05	1.5
20.	#Manganese (as Mn)	mg/l	3500-Mn, D	0.006	0.1	0.3
21.	Chromium as Cr	mg/l	3500-Cr, B	0.013	0.05	NR**
22.	Cadmium as Cd	mg/l	3500-Cd, B	<0.002	0.005	NR**
23.	Iron as Fe	mg/l	3500-Fe,D	0.121	0.3	NR**
24.	Nickel as Ni	mg/l	3500-Ni, D	<0.002	0.02	NR**
25.	Lead as Pb	mg/l	3500-Pb,B	<0.015	0.01	NR**
26.	Zinc as Zn	mg/l	3500-Zn, D	0.632	5	15
27.	#Mercury as Hg	mg/l	3500-Hg,B	<0.001	0.001	NR**
28.	Arsenic as As	mg/l	3500-As,B	<0.001	0.1	0.5
29.	Residual Free Chlorine	mg/l	4500-Cl,B	BDL	0.2	1.0
30.	#Total coliforms	MPN/100ml	9221	Absent	Should be absent in any 100/ml sample	
31.	#Faecal coliforms	MPN/100ml	9221	Absent		

*As per APHA/AWWA, 22nd Ed. (2012) ** NR= No relaxation, Hg BDL***=0.000µg, As BDL****=0.01µg BDL- (below Detection Limit)
Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

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Authorized Signatory
(Signature)
(Dr Divya Misra)
Managing Director

"End of this Test Report"

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'NABL' Accredited Laboratory Certificate No. TC-8241 dated-01 Jan. 2019

URL- TC824119000000996P

TEST REPORT FOR GROUND WATER QUALITY

Report No.	Reference No.	Issue Date
PCS/GWQ/03/2019	PCS/HIL/02/2019	13/01/2020
1. Name of Proponent:	M/s Hindalco Industries Limited, PO- Renukoot, Dist- Sonbhadra (UP).	
2. Type of Industry:	Aluminium Industry	
3. Weather Condition:	Clear Sky	
4. Sampling Location:	Near Radha Krishna Mandir	
5. Quantity of Sample:	2 Litre Water Sample Collected in Bottle	
6. Method of Sampling:	As per Standard Method	
7. Sampling Done by:	Mr Asheesh Kushwaha & Mr. Vipin Kannojiya	
8. Date of Sampling:	06/11/2019	
9. Sample Receipt in Lab:	07/11/2019	
10. Date of Testing:	09/11/2019-15/11/2019	

Sl. No.	Parameters	Unit	Reference Method*	Ground Water (Well Water)	BIS Standard IS 10500: 2012	
					Requirement (Acceptable limit)	Permissible limit in the absence of alternate source
1.	#Colour	Hazen	2120 B	Clear	5	15
2.	#Odour	-	2150 A	Odorless	Agreeable	Agreeable
3.	#Temperature	°C	2550 A	28	-	-
4.	#Taste	-	-	Agreeable	Agreeable	Agreeable
5.	pH	-	4500H+ B	7.06	6.5 - 8.5	NR**
6.	#Turbidity	NTU	2130 B	0.7	1	5
7.	Conductivity	µmhos/cm	2510 B	1217	-	-
8.	TDS	mg/l	2540 C	840	500	2000
9.	Hardness as CaCO ₃	mg/l	2340 C	504	200	600
10.	Alkalinity	mg/l	2320 B	356	200	600
11.	Chloride as Cl	mg/l	4500-Cl,B	136	250	1000
12.	Sulphate as SO ₄	mg/l	4500-SO ₄	53.0	200	400
13.	Fluoride as F	mg/l	4500-F,C	0.53	1.0	1.5
14.	Calcium as Ca	mg/l	3500-Ca	94.6	75	200
15.	Magnesium as Mg	mg/l	3500-Mg,E	65.1	30	100
16.	Sodium as Na	mg/l	3500-Na,D	46.0	-	-
17.	Potassium as K	mg/l	3500-K,D	8.0	-	-
18.	Nitrate as NO ₃	mg/l	4500-B	8.43	45	NR**
19.	Copper as Cu	mg/l	3500-Cu, B	<0.001	0.05	1.5
20.	#Manganese (as Mn)	mg/l	3500-Mn, D	<0.005	0.1	0.3
21.	Chromium as Cr	mg/l	3500-Cr, B	0.038	0.05	NR**
22.	Cadmium as Cd	mg/l	3500-Cd, B	<0.002	0.003	NR**
23.	Iron as Fe	mg/l	3500-Fe,D	0.863	0.3	NR**
24.	Nickel as Ni	mg/l	3500-Ni, D	<0.005	0.02	NR**
25.	Lead as Pb	mg/l	3500-Pb,B	0.008	0.01	NR**
26.	Zinc as Zn	mg/l	3500-Zn, D	0.863	5	15
27.	#Mercury as Hg	mg/l	3500-Hg,B	<0.001	0.001	NR**
28.	Arsenic as As	mg/l	3500-As,B	<0.001	0.1	0.5
29.	Residual Free Chlorine	mg/l	4500-Cl,B	<0.018	0.2	1.0
30.	#Total coliforms	MPN/100ml	9221	Absent	Should be absent in any	
31.	#Faecal coliforms	MPN/100ml	9221	Absent	100/ml sample	

* As per APHA/AWWA, 22nd Ed. (2012) ** NR= No relaxation, Hg BDL****=0.000µg, As BDL*****=0.01µg

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

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Authorized Signatory

(Signature)
(Dr Dhya Misra)
Managing Director

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 'NABL' Accredited Laboratory Certificate No. TC-8241 dated-01 Jan. 2019

URL- TC824119000000997P

TEST REPORT FOR GROUND WATER QUALITY

Report No.	Reference No.	Issue Date
PCS/GWQ/04/2019	PCS/HIL/02/2019	13/01/2020
1. Name of Proponent:	M/s Hindalco Industries Limited, PO- Renukoot, Dist- Sonbhadra (UP).	
2. Type of Industry:	Aluminium Industry	
3. Weather Condition:	Clear Sky	
4. Sampling Location:	Near Bijpar Mode	
5. Quantity of Sample:	2 Litre Water Sample Collected in Bottle	
6. Method of Sampling:	As per Standard Method	
7. Sampling Done by:	Mr. Asheesh Kushwaha & Mr. Vipin Kannojiya	
8. Date of Sampling:	06/11/2019	
9. Sample Receipt in Lab:	07/11/2019	
10. Date of Testing:	09/11/2019-15/11/2019	

Sl. No.	Parameters	Unit	Reference Method*	Ground Water (Hand Pump)	BIS Standard IS 10500: 2012	
					Requirement (Acceptable limit)	Permissible limit in the absence of alternate source
1.	#Colour	Hazen	2120 B	Clear	5	15
2.	#Odour	-	2150 A	Odorless	Agreeable	Agreeable
3.	#Temperature	°C	3550 A	28	-	-
4.	#Taste	-	-	Agreeable	Agreeable	Agreeable
5.	pH	-	4500H+ B	7.95	6.5 - 8.5	NR**
6.	#Turbidity	NTU	2130 B	1.3	1	5
7.	Conductivity	µmhos/cm	2510 B	182	-	-
8.	TDS	mg/l	2540 C	155	500	2000
9.	Hardness as CaCO ₃	mg/l	2340 C	76.0	200	600
10.	Alkalinity	mg/l	2320 B	64.0	200	600
11.	Chloride as Cl	mg/l	4500-Cl,B	7.5	250	1000
12.	Sulphate as SO ₄	mg/l	4500-SO ₄	4.7	200	400
13.	Fluoride as F	mg/l	4500-F,C	0.06	1.0	1.5
14.	Calcium as Ca	mg/l	3500-Ca	25.6	75	200
15.	Magnesium as Mg	mg/l	3500-Mg,E	2.9	30	100
16.	Sodium as Na	mg/l	3500-Na,D	10	-	-
17.	Potassium as K	mg/l	3500-K,D	8.0	-	-
18.	Nitrate as NO ₃	mg/l	4500-B	0.37	45	NR**
19.	Copper as Cu	mg/l	3500-Cu, B	<0.001	0.05	1.5
20.	#Manganese (as Mn)	mg/l	3500-Mn, D	<0.005	0.1	0.3
21.	Chromium as Cr	mg/l	3500-Cr, B	<0.028	0.05	NR**
22.	Cadmium as Cd	mg/l	3500-Cd, B	<0.002	0.003	NR**
23.	Iron as Fe	mg/l	3500-Fe,D	0.189	0.3	NR**
24.	Nickel as Ni	mg/l	3500-Ni, D	0.013	0.02	NR**
25.	Lead as Pb	mg/l	3500-Pb,B	<0.001	0.01	NR**
26.	Zinc as Zn	mg/l	3500-Zn, D	0.563	5	15
27.	#Mercury as Hg	mg/l	3500-Hg,B	<0.001	0.001	NR**
28.	Arsenic as As	mg/l	3500-As,B	<0.001	0.1	0.5
29.	Residual Free Chlorine	mg/l	4500-Cl,B	<0.019	0.2	1.0
30.	#Total coliforms	MPN/100ml	9221	Absent	Should be absent in any 100/ml sample	
31.	#Faecal coliforms	MPN/100ml	9221	Absent		

*As per APHA/AWWA, 22nd Ed. (2012) ** NR= No relaxation, Hg BDL****=0.001µg, As BDL*****=0.03µg

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' under the water act, are not desirable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

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Authorized Signatory

(Dr Divya Misra)
 Managing Director

"End of this Test Report"

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 Ground Water Board, Compliance of E.C., NOC from UP PCB, MoEF



U.P. Pollution Control Board

CONSENT ORDER

Ref No. -
62829/UPPCB/Sonebhadra(UPPCBRO)/CTO/wat
er/SONBHADRA/2019

Dated : 15/05/2020

To ,

Shri KAILESH NATH BHANDARI
M/s HINDALCO INDUSTRIES LIMITED RENUKOOT
Hindalco Industries Limited,Renukoot,SONBHADRA,231217
SONBHADRA

Sub : Consent under Section 25/26 of The Water (Prevention and control of Pollution) Act, 1974
(as amended) for discharge of effluent to M/s. HINDALCO INDUSTRIES LIMITED
RENUKOOT

Reference Application No :5678420

Dated :15/05/2020

1. For disposal of effluent into water body or drain or land under The Water (Prevention and control of Pollution) Act,1974 as amended (here in after referred as the act) M/s. HINDALCO INDUSTRIES LIMITED RENUKOOT is hereby authorized by the board for discharge of their industrial effluent generated through ETP for irrigation/river through drain and disposal of domestic effluent through septic tank/soak pit subject to general and special conditions mentioned in the annexure ,in refrence to their foresaid application .
 2. This consent is valid for the period from 01/01/2020 to 31/12/2024 .
 3. In spite of the conditions and provisions mentioned in this consent order UP Pollution Control Board reserves its right and powers to reconsider/amend any or all conditions under section 27(2) of the Water (Prevention and Control of Pollution) Act, 1974 as amended .
- This consent is being issued with the permission of competent authority .

For and on behalf of U.P. Pollution Control Board

Pramod Kumar Agarwal Digital Signature of Pramod Kumar
Date: 2020.05.15 12:04:45.93

Chief Environmental Officer (circle-2)

Enclosed : As above
(condition of consent):

Copy to: Regional Officer, U.P. Pollution Control Board, Sonbhadra with the direction to send the compliance report of consent conditions on quarterly basis.

Pramod Kumar Agarwal Digital Signature of Pramod Kumar
Date: 2020.05.15 12:04:45.93

Chief Environmental Officer (circle-2)

U.P. POLLUTION CONTROL BOARD, LUCKNOW

Annexure to Consent issued to M/s.HINDALCO INDUSTRIES LIMITED RENUKOOT vide

Consent Order No. 5678420/ Water

Dated : 15/05/2020

CONDITIONS OF CONSENT

- This consent is valid only for the approved production capacity of Aluminium Metal- 4,20,000 MT/Annum (max. 35,672 MT/Month) (Extruded Product-3750 MT/Month, Flat Rolled Product-10000 MT/Month, Wire Rod-8500 MT/Month), using Bauxite as main raw material and Alumina (7,20,000 MTPA) as intermediate product and CPC Consumption -1,40,047 MTPA, imported Calcined Pet Coke (CPC) – 50,000 MTPA (Approx 137 MT/day) as raw material for anode making and Co-Gen Power-84 MW..

- The quantity of maximum daily effluent discharge should not be more than the following :

Effluent Discharge Details			
S.No	Kind of Effluent	Maximum daily discharge,KL/day	Treatment facility and discharge point
1	Industrial	ZLD (8100 KLD treated effluent shall be 100% recycled in the process, cooling and horticulture etc)	ETP
2	Domestic	12200 KLD treated effluent shall be reused in flushing, dust suppression and irrigation and other purposes.	STP

- Arrangement should be made for collection of water used in process and domestic effluent separately in closed water supply system. The treated domestic and industrial effluent if discharged outside the premises, if meets at the end of final discharge point, arrangement should be made for measurement of effluent and for collecting its sample. Except the effluent informed in the application for consent no other effluent should enter in the said arrangements for collection of effluent. It should also be ensured that domestic effluent should not be discharged in storm water drain .

- 4(a) The domestic effluent should be treated in treatment plant so that the should be in conformity with the following norms dated treated effluent .

Domestic Effluent		
S.No	Parameter	Standard
1	BOD	30 mg/l
2	COD	250 mg/l
3	Total Suspended Solids	100 mg/l
4	Oil & Grease	10 mg/l

- 4(b). The industrial effluent should be treated in treatment plant so that the treated effluent should be in conformity with the following norms. .

Industrial Effluent		
S.No	Parameter	Standard
1	BOD	30 mg/l
2	COD	250 mg/l
3	Total Suspended Solids	100 mg/l
4	Oil & Grease	10 mg/l
5	Quantity of Discharge	Fluoride as F-2.0 mg/l
6	Quantity of Discharge	Sulphide as S-2.0 mg/l
7	Quantity of Discharge	pH- 6.5 to 9.0

5. Effluent generated in all the processes, bleed water, cooling effluent and the effluent generated from washing of floor and equipments etc should be treated before its disposal with treated industrial effluent so that it should be according to the norms prescribed under The Environment (Protection) Act, 1986 or otherwise mandatory .
6. The other pollutant for which norms have not been prescribed, the same should not be more than the norms prescribed for the water used in manufacturing process of the industry .
7. The method for collecting industrial and domestic effluent and its analysis should be as per legal Indian standards and its subsequent amendments/standards prescribed under The Environment (Protection) Act, 1986.
8. The treated domestic and industrial effluent be mixed (as per the provisions of Condition No. 2) and disposed of on one disposal point. This common effluent disposal point should have arrangement for flow meter/V Notch for measuring effluent and its log book be maintained .

Specific Conditions:

1. The Show cause notice issued under section 33-A of Water (Prevention and Control of Pollution) Act 1974 by the Board vide letter no. H26513/C-2/Jal/41/Ka.ba.no./17 dated 27-19-2018 is hereby revoked with the approval of competent authority.
2. This consent is valid for production of Aluminium Metal- 4,20,000 MT/Annum (max. 35,672 MT/Month) (Extruded Product-3750 MT/Month, Flat Rolled Product-10000 MT/Month, Wire Rod-8500 MT/Month), using Bauxite as main raw material and Alumina (7,20,000 MTPA) as intermediate product and CPC Consumption -1,40,047 MTPA, imported Calcined Pet Coke (CPC) - 50,000 MTPA (Approx 137 MT/day) as raw material for anode making and Co-Gen Power-84 MW.
3. Industry shall comply with the provisions of MoEF&CC Office Memorandum No. Q-18011/54/2018-CPA, September 10, 2018.
4. Industry shall treat industrial effluent to achieve the standards prescribed under Environment (Protection) Rules, 1986. Industrial effluent after treatment shall be 100% recycled in the process, cooling and horticulture etc.
5. Domestic effluent shall be treated through STP and treated domestic effluent shall be reused in flushing, dust suppression and irrigation of green belt and other purposes. Industry shall install STP for treatment of domestic effluent generated from the residential colony and guest house located nearby Plant-2 and shall achieve ZLD for domestic effluent upto 31.12.2020 in a time bound manner and its quarterly progress report shall be submitted to the Board.
6. Industry shall immediately remove bypass system at the outlet of STP.
7. Industry shall install PTZ camera at ETP, STP and PWRP within 15 days and their URLs shall be submitted to the Board.
8. Industry shall submit the ETP and STP treated effluent analysis report of NABL accredited laboratory on quarterly basis to the Board.
9. In compliance of Core committee, Red mud shall be stored in such manner such that no red mud leached out to ground water during monsoon and post monsoon period. Industry shall facilitate utilization of red mud and safe disposal.
10. Industry shall operate and maintain installed OCEMS facility effectively and transmit data to CPCB and UPPCB server. Industry shall also calibrate installed OCEMS from recognized agency on six monthly basis.
11. Solid waste shall be disposed in such manner so that no air, water and soil pollution takes place.
12. Industry shall comply with the provisions of Hazardous and Other waste (Management & Trans boundary Movement) Rules 2016 and shall submit details of Hazardous waste disposal in Form-10.
13. Industry shall develop and maintain green belt as per the guidelines issued by the Board vide office order dated 16/02/2018, which is available on Board's Website- www.uppcb.com.
14. Industry shall submit environmental statement in prescribed format as per rule 14 of Environment (Protection) Act, 1986.
15. Industry shall abide by directions given by Hon'ble Court, MoEF&CC, Central Pollution Control Board and UPPCB for protection and safe guard of environment from time to time.
16. Industry shall comply with the directions issued under Singrauli Action Plan in time bound manner.
17. Industry shall comply with the recommendations of Core Committee constituted by Hon'ble NGT and submit the compliance report to the Board on quarterly basis.
18. Consent fees if revised, shall be payable by industry from the date of its applicability.
19. Industry shall ensure the compliance of directions given by Hon'ble Oversight committee from time to time.
20. Industry shall comply with the relevant provisions of Environmental Laws.
21. If closure order is issued by CPCB or UPPCB against the unit, then CTO issued earlier will remain suspended during the closure period and after ensuring the compliance and after revocation of closure order, the CTO will automatically be effective with additional conditions mentioned in the closure revocation order.
22. Industry shall submit the Bank Guarantee of Rupees Ten Lakh only, having validity of 05 years for compliance of aforesaid specific condition with in fifteen days, otherwise this CTO will be automatically revoked. In case of non compliance the Bank Guarantee will be forfeited and action will be taken as per law.

Issued with the permission of competent authority .

For and on behalf of U.P. Pollution Control Board .

Pramod Kumar Agarwal
Digitally signed by Pramod Kumar Agarwal
 Date: 2023.05.15 11:02:05 +05'30'
 Chief Environmental Officer (circle-2)



U.P. Pollution Control Board

CONSENT ORDER

Ref No. -
62828/UPPCB/Sonebhadra(UPPCBRO)/CTO/air/SONBHADRA/2019

Dated : 15/05/2020

To ,

Shri KAJLESH NATH BHANDARI
M/s HINDALCO INDUSTRIES LIMITED RENUKOOT
Hindalco Industries Limited, Renukoot, SONBHADRA, 231217
SONBHADRA

Sub : Consent under section 21/22 of the Air (Prevention and control of Pollution) Act, 1981 (as amended) to M/s. HINDALCO INDUSTRIES LIMITED RENUKOOT

Reference Application No. 5678334

Dated : 15/05/2020

1. With reference to the application for consent for emission of air pollutants from the plant of M/s HINDALCO INDUSTRIES LIMITED RENUKOOT. under Air Act 1981. It is being authorised for said emissions, as per the standards, in environment, by the Board as per enclosed conditions .
2. This consent is valid for the period from 01/01/2020 to 31/12/2024 .
3. In spite of the conditions and provisions mentioned in this consent order UP Pollution Control Board reserves its right and powers to reconsider/amend any or all conditions under section 21 (6) of the Air (Prevention and Control of Pollution) Act, 1981 as amended.
This consent is being issued with the permission of competent authority .

For and on behalf of U.P. Pollution Control Board

Pramod Kumar Agarwal
Digitally signed by Pramod Kumar Agarwal
Date: 2020.05.15 11:57:08 +05'30'

Chief Environmental Officer (circle-2)

Enclosed : As above
(condition of consent):

Copy to: Regional Officer, U.P. Pollution Control Board, Sonbhadra with the direction to send the compliance report of consent conditions on quarterly basis.

Pramod Kumar Agarwal
Digitally signed by Pramod Kumar
Agarwal
Date: 2020.05.15 11:57:08 +05'30'

Chief Environmental Officer (circle-2)

U.P. Pollution Control Board

Dated : 15/05/2020

CONDITIONS OF CONSENT

1. This consent is valid only for the approved production capacity of Aluminium Metal-35,672 MT/Month or 4,20,000 MT/Annum (Extruded Product-3750 MT/Month, Flat Rolled Product-10000 MT/Month, Wire Rod-8500 MT/Month), using Bauxite as main raw material and Alumina (7,20,000 MTPA) as intermediate product and CPC Consumption -1,40,047 MTPA, imported Calcined Per Coke (CPC) – 50,000 MTPA (Approx 137 MT/day) as raw material for anode making and Co-Gen Power-84 MW..
2. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/ process /fuel/ plant machinery failing which consent would be deemed void.
- 3(a) The maximum rate of emission of flue gas should not be more than the emission norms for the stacks.
- 3(b) Air Pollution Source Details.

Air Pollution Source Details					
S.No	Air Pollution Source	Type of Fuel	Stack No.	Parameters	Height
1	Calciner No.-1	LDO/LSHS	01	Particulate Matter	67 meter from ground level with ESP.
2	Calciner No.-2	LDO/LSHS	02	Particulate Matter	67 meter from ground level with ESP.
3	Boiler No.-2 (80 TPH)	Coal	04	Particulate Matter	75 meter from ground level with ESP.
4	Boiler No.-3 (140 TPH)	Coal	05	Particulate Matter	88 meter from ground level with ESP.
5	DSS Pot Line-5	Electricity	16	Particulate Matter	34 meter from ground level with Dry Scrubbing system.
6	DSS Pot Line-6	Electricity	17	Particulate Matter	34 meter from ground level with Dry Scrubbing system.
7	DSS Pot Line-7	Electricity	18	Particulate Matter	34 meter from ground level with Dry Scrubbing system.
8	DSS Pot Line-8	Electricity	19	Particulate Matter	34 meter from ground level with Dry Scrubbing system.
9	DSS Pot Line-9	Electricity	20	Particulate Matter	34 meter from ground level with Dry Scrubbing system.
10	DSS Pot Line-10	Electricity	21	Particulate Matter	34 meter from ground level with Dry Scrubbing system.
11	DSS Pot Line-11	Electricity	22	Particulate Matter	34 meter from ground level with Dry Scrubbing system.
12	Hammer Mill-Dust Collector -1	-	23	Particulate Matter	32 meter from ground level with Bag house.
13	Hammer Mill-Dust Collector -2	-	24	Particulate Matter	14.50 meter from ground level with Bag house.

14	Hammer Mill-Dust Collector -3	-	25	Particulate Matter	15 meter from ground level with Bag house.
15	Hammer Mill-Dust Collector -4	-	26	Particulate Matter	14 meter from ground level with Bag house.
16	Carbon Plant (Bag House South)	-	30	Particulate Matter	17 meter with Bag house.
17	Carbon Plant (Bag House Cathode)	-	32	Particulate Matter	12 meter with Bag house.
18	Carbon Plant (Bag House Mixing)	-	33	Particulate Matter	9 meter with Bag house.
19	Ball Mill (12 Ton)	-	34	Particulate Matter	10 meter with Bag house.
20	Pitch Fume Treatment Plant	-	35	Particulate Matter	17 meter with Bag house.
21	Cast House S1	LDO	42	Particulate Matter	34 meter from ground level.
22	Cast House S2	LDO	43	Particulate Matter	34 meter from ground level.
23	Cast House S3	LDO	44	Particulate Matter	51 meter from ground level.
24	Cast House P1 & P2	LDO	45	Particulate Matter	30 meter from ground level.
25	Caster Plant	LDO	46	Particulate Matter	50 meter from ground level.
26	Melting & Holding Furnace DC-2	LDO/LSHS	47	Particulate Matter	30.5 meter from ground level.
27	Holding Furnace DC 3	LDO/LSHS	48	Particulate Matter	30.5 meter from ground level.
28	Melting & Holding Furnace DC-4	LDO/LSHS	49	Particulate Matter	30.5 meter from ground level.
29	Melting & Holding Furnace 7 PZ2	LDO/LSHS	53	Particulate Matter	30.5 meter from ground level.
30	Melting & Holding Furnace 7A PZ2	LDO/LSHS	54	Particulate Matter	30.5 meter from ground level.
31	Melting & Holding Furnace 8 PZ3	LDO/LSHS	55	Particulate Matter	30.5 meter from ground level.
32	Melting & Holding Furnace 8A PZ3	LDO/LSHS	56	Particulate Matter	30.5 meter from ground level.

33	Billet Casting Furnace no B1	LDO	57	Particulate Matter	30.5 meter from ground level.
34	Billet Casting Furnace no B2	LDO	58	Particulate Matter	30.5 meter from ground level.
35	Cupola Furnace < 3 TPH	Coke	59	Particulate Matter	5.75 meter from charging door.
36	Boiler No-1 (80 TPH)	Coal	03	Particulate Matter	75 meter from ground level with ESP.
37	Boiler No.-4 (150 TPH)	Coal	06	Particulate Matter	88 meter from ground level with ESP.
38	Baking Furnace No.-4	LDO/LSHS	07	Particulate Matter	44.5 meter from ground level with Fume treatment plant
39	Baking Furnace No.-5	LDO/LSHS	08	Particulate Matter	45 meter from ground level with Fume treatment plant.
40	Baking Furnace No.-6	LDO/LSHS	09	Particulate Matter	58 meter from ground level with fume treatment plant.
41	DSS Pot Line-1	Electricity	10	Particulate Matter	34 meter from ground level with Dry Scrubbing system.
42	DSS Pot Line-2	Electricity	11	Particulate Matter	34 meter from ground level with Dry Scrubbing system.
43	DSS Pot Line-3	Electricity	12	Particulate Matter	34 meter from ground level with Dry Scrubbing system.
44	DSS Pot Line-4 (old)	Electricity	13	Particulate Matter	34 meter from ground level with Dry Scrubbing system.
45	DSS Pot Line-4 (Phase-I)	Electricity	14	Particulate Matter	34 meter from ground level with Dry Scrubbing system.

46	DSS Pot Line-4 (Phase-II)	Electricity	15	Particulate Matter	34 meter from ground level with Dry Scrubbing system.
47	Hammer Mill-Dust Collector -5	-	27	Particulate Matter	30 meter from ground level with Bag house.
48	Carbon Plant (Bag House North)	-	28	Particulate Matter	17 meter with Bag house.
49	Carbon Plant (Bag House Middle)	-	29	Particulate Matter	17 meter with Bag house.
50	Carbon Plant (Bag House Anode shop)	-	31	Particulate Matter	12 meter with Bag house.
51	Butt Circuit	-	36	Particulate Matter	22 meter with Bag house.
52	Pitch Plant	-	37	Particulate Matter	18 meter with Bag house.
53	CPC New	-	38	Particulate Matter	14 meter with Bag house.
54	CPC Old	-	39	Particulate Matter	14 meter with Bag house.
55	CPC New circuit	-	40	Particulate Matter	25 meter with Bag house.
56	Additional CPC Bag house	-	41	Particulate Matter	12 meter with Bag house.
57	Melting & Holding Furnace DC-5	LDO/LSHS	50	Particulate Matter	30.5 meter from ground level.
58	Melting & Holding Furnace No.-6 PZ1	LDO/LSHS	51	Particulate Matter	30.5 meter from ground level.
59	Melting & Holding Furnace 6A PZ1	LDO/LSHS	52	Particulate Matter	30.5 meter from ground level.

3(c) The emissions by various stacks into the environment should be as per the norms of the Board .

Emission Quality Details Detail			
S.No	Stack No	Parameter	Standard
1	01	Particulate Matter	250 mg/Nm ³
2	02	Particulate Matter	250 mg/Nm ³
3	03	Particulate Matter	150 mg/Nm ³
4	04	Particulate Matter	150 mg/Nm ³
5	05	Particulate Matter	150 mg/Nm ³
6	06	Particulate Matter	150 mg/Nm ³
7	07	Particulate Matter	50 mg/Nm ³
8	07	Quantity of Emission	Total Flouride-0.3 Kg/Ton of Aluminium produced
9	08	Particulate Matter	50 mg/Nm ³
10	08	Quantity of Emission	Total Flouride-0.3 Kg/Ton of Aluminium produced
11	09	Particulate Matter	50 mg/Nm ³
12	09	Quantity of Emission	Total Flouride-0.3 Kg/Ton of Aluminium produced
13	10	Particulate Matter	150 mg/Nm ³
14	10	Quantity of Emission	Total Flouride-0.8 Kg/Ton of Aluminium produced
15	11	Particulate Matter	150 mg/Nm ³
16	11	Quantity of Emission	Total Flouride-0.8 Kg/Ton of Aluminium produced
17	12	Particulate Matter	150 mg/Nm ³
18	12	Quantity of Emission	Total Flouride-0.8 Kg/Ton of Aluminium produced
19	13	Particulate Matter	150 mg/Nm ³
20	13	Quantity of Emission	Total Flouride-0.8 Kg/Ton of Aluminium produced
21	14	Particulate Matter	150 mg/Nm ³
22	14	Quantity of Emission	Total Flouride-0.8 Kg/Ton of Aluminium produced
23	15	Particulate Matter	150 mg/Nm ³
24	15	Quantity of Emission	Total Flouride-0.8 Kg/Ton of Aluminium produced
25	16	Particulate Matter	150 mg/Nm ³
26	16	Quantity of Emission	Total Flouride-0.8 Kg/Ton of Aluminium produced
27	17	Particulate Matter	150 mg/Nm ³
28	17	Quantity of Emission	Total Flouride-0.8 Kg/Ton of Aluminium produced
29	18	Particulate Matter	150 mg/Nm ³

30	18	Quantity of Emission	Total Flouride-0.8 Kg/Ton of Aluminium produced
31	19	Particulate Matter	150 mg/Nm3
32	19	Quantity of Emission	Total Flouride-0.8 Kg/Ton of Aluminium produced
33	20	Particulate Matter	150 mg/Nm3
34	20	Quantity of Emission	Total Flouride-0.8 Kg/Ton of Aluminium produced
35	21	Particulate Matter	150 mg/Nm3
36	21	Quantity of Emission	Total Flouride-0.8 Kg/Ton of Aluminium produced
37	22	Particulate Matter	150 mg/Nm3
38	22	Quantity of Emission	Total Flouride-0.8 Kg/Ton of Aluminium produced
39	23	Particulate Matter	150 mg/Nm3
40	24	Particulate Matter	150 mg/Nm3
41	25	Particulate Matter	150 mg/Nm3
42	26	Particulate Matter	150 mg/Nm3
43	27	Particulate Matter	150 mg/Nm3
44	28	Particulate Matter	150 mg/Nm3
45	29	Particulate Matter	150 mg/Nm3
46	30	Particulate Matter	150 mg/Nm3
47	31	Particulate Matter	150 mg/Nm3
48	32	Particulate Matter	150 mg/Nm3
49	33	Particulate Matter	150 mg/Nm3
50	34	Particulate Matter	150 mg/Nm3
51	35	Particulate Matter	150 mg/Nm3
52	36	Particulate Matter	150 mg/Nm3
53	37	Particulate Matter	150 mg/Nm3
54	38	Particulate Matter	150 mg/Nm3
55	39	Particulate Matter	150 mg/Nm3
56	41	Particulate Matter	150 mg/Nm3
57	42	Particulate Matter	150 mg/Nm3
58	43	Particulate Matter	150 mg/Nm3
59	44	Particulate Matter	150 mg/Nm3
60	45	Particulate Matter	150 mg/Nm3
61	46	Particulate Matter	150 mg/Nm3
62	47	Particulate Matter	150 mg/Nm3
63	48	Particulate Matter	150 mg/Nm3
64	49	Particulate Matter	150 mg/Nm3
65	50	Particulate Matter	150 mg/Nm3
66	51	Particulate Matter	150 mg/Nm3
67	52	Particulate Matter	150 mg/Nm3
68	53	Particulate Matter	150 mg/Nm3
69	54	Particulate Matter	150 mg/Nm3

70	55	Particulate Matter	150 mg/Nm ³
71	56	Particulate Matter	150 mg/Nm ³
72	57	Particulate Matter	150 mg/Nm ³
73	58	Particulate Matter	150 mg/Nm ³
74	59	Particulate Matter	450 mg/Nm ³
75	40	Particulate Matter	150 mg/Nm ³

4. Quantity of other pollutants should also be as per the norms prescribed by the Board/MOEF & CC/or otherwise mandatory .
5. The equipment for air pollution control system and monitoring ,as proposed by the industry and approved by the Board should be installed in their premises itself .
6. The modification or installation in the existing pollution control equipments should be done only by prior approval of Board .
7. The operation of air pollution control system and maintenance be done in such a way that the quantity of pollutants should be in accordance with the standards prescribed by the Board/MoEF & CC/or otherwise mandatory .
8. Unit should do provisions for fugitive emissions chimney/stack as per the norms of the Board/MOEF & CC/or otherwise mandatory .
9. The unit should submit the stack emissions monitoring report within one month from issuance of consent order along with the point wise compliance report of the consent order . Further quarterly monitoring report should be submitted .

Specific Conditions:

1. This consent is valid for production of Aluminium Metal- 4,20,000 MT/Annum (max. 35,672 MT/Month) (Extruded Product-3750 MT/Month, Flat Rolled Product-10000 MT/Month, Wire Rod-8500 MT/Month), using Bauxite as main raw material and Alumina (7,20,000 MTPA) as intermediate product and CPC Consumption -1,40,047 MTPA, imported Calcined Pet Coke (CPC) - 50,000 MTPA (Approx 137 MT/day) as raw material for anode making and Co-Gen Power-84 MW.
2. Industry shall comply with the provisions of MoEF&CC Office Memorandum No. Q-18011/54/2018-CPA, September 10, 2018.
3. Industry shall operate and maintain installed APCS effectively and continuously to achieve the standards prescribed under E(P) Rules, 1986 and submit stack monitoring / Ambient air monitoring reports from Board's Laboratory/approved laboratory on quarterly basis to the Board.
4. Industry shall comply with the provisions of Hazardous and Other waste (Management & Trans boundary Movement) Rules 2016 and shall submit details of Hazardous waste disposal in Form-10.
5. In compliance of Core committee, Red mud shall be stored in such manner such that no red mud leached out to ground water during monsoon and post monsoon period. Industry shall facilitate utilization of red mud and safe disposal.
6. Solid waste shall be disposed in such manner, so that no water, air and soil pollution takes place.
7. Industry shall operate and maintain installed OCEMS facility effectively and transmit data to CPCB and UPPCB server. Industry shall also calibrate installed OCEMS from recognized agency on six monthly basis.
8. Industry shall develop and maintain green belt as per the guidelines issued by the Board vide office order dated 16/02/2018, which is available on Board's Website- www.uppcb.com."
9. Industry shall submit environmental statement in prescribed format as per rule 14 of Environment (Protection) Act, 1986.
10. Industry shall abide by directions given by Hon'ble Court, MoEFF&CC, Central Pollution Control Board and UPPCB for protection and safe guard of environment from time to time.
11. Industry shall comply with the directions issued under Singrauli Action Plan in time bound manner.
12. Industry shall comply with the recommendations of Core Committee constituted by Hon'ble NGT and submit the compliance report to the Board on quarterly basis.
13. Consent fees if revised, shall be payable by industry from the date of its applicability.
14. Industry shall ensure the compliance of directions given by Hon'ble Oversight committee from time to time.
15. Industry shall comply with the relevant provisions of Environmental Laws.
16. If closure order is issued by CPCB or UPPCB against the unit, then CTO issued earlier will remain suspended during the closure period and after ensuring the compliance and after revocation of closure order, the CTO will automatically be effective with additional conditions mentioned in the closure revocation order.

Issued with the permission of competent authority .

For and on behalf of U.P. Pollution Control Board .

Pramod Kumar Agarwal, Digitally signed by Pramod Kumar Agarwal
Date: 2023.05.15 11:57:04 +05:30

Chief Environmental Officer (circle-2)



Amended-V

Bajaj Allianz General Insurance Company Ltd.
Bajaj Allianz House, Airport Road, Yerawada, Pune - 411006
PUBLIC LIABILITY INSURANCE POLICY POLICY SCHEDULE
UIN: IRDAN113RP0021V01200102

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 Saraswati Bhavan, Prabhadevi, Mumbai, MUMBAI-400025 Phone No :02266628656

Policy No. **OG-21-1919-3301-00000007**
 Product **PUBLIC LIABILITY INSURANCE POLICY**
 Period of Insurance **From 00:00:00 01-MAY-20 To 30-APR-21** Policy Issued On **15-MAY-20**
 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** No Details
 GSTIN / UIN **27AAACH1201R12N** Place of Supply/State **27 - Maharashtra**
 Code/Name
 Company GST No. : **27AAACB5730G1ZX** Invoice No : **73611150/12**
 Company PAN : **AACB5730G**

Description	Sum Insured (Rs)
Aggregate limit of indemnity during the policy period	3,00,00,000.00
Additional** Loading @	0 %
Additional Discount@	0 %
Base Premium	4,10,000.00
Special Discount	0
Net Premium	4,10,000.00
Terrorism** Surcharge	0
Stamp Duty	
State GST (9%)	36,900.00
Central GST (9%)	36,900.00
Final Premium	4,83,800.00

*** All Premium figures are in Rupees.

Scope of Cover As per the policy wording attached.

Risk Covered Public Liability Claims Made Basis

Special Perils Extension : 1. Designated Premises Endorsement; 2. AOG Perils Extension; 3. 72 Hours sudden & Accidental Pollution Extension; 4. Lift Liability Extension (Subject to AMC in place).

Special Exclusions Opioids and Narcotics Exclusion; Electronic Smoking Device Exclusion; Communicable Disease Exclusion; Aviation, Aircraft, Marine & Offshore Liability Exclusion; Sanction Embargo Clause / Iran Risk Clause; Asbestos Exclusion; As per policy wordings attached.

Subject to Clauses Deductible : INR 2,000,000 each and every claim for claims arising due to Mining activities; INR 250,000 each and every claim for Rest of Claims; Rest of the Extension : 5. Food and Beverage Extension; 6. Transportation Liability Extension; 7. Discharge of treated effluents through Pipelines up to 5 Kilometers; 8. Valet Parking Extension; Sub Limited to INR 5,000,000 per claim and in aggregate; 9. Terrorism Liability Extension; 10. Additional Insured Endorsement where required by written contract (Only with respect to liabilities arising out of the operations performed by the Original Insured, but excluding any negligent acts committed by such Additional Insured); 11. Waiver of Subrogation for additional insured where required by written contract.; 12. Amended Policy cancellation by insurer only on non-payment of premium; New Extensions: Retroactive date for below extensions are 1st May 2020; 13. Personal & Advertising Injury Extension; Sub Limited to INR 10,000,000 per claim and in aggregate; 14. Personal Property In Care, Custody and Control Extension sub limited to INR 5,000,000 per claim and in aggregate; 15. Incidental Medical Malpractice Extension; sub limited to INR 5,000,000 per claim and in aggregate; 16. Tenant's Legal Liability Clause; sub limited to INR 5,000,000 per claim and in aggregate; 17. Contractors, sub-contractors and consultants Endorsement (Covered only for the liability arising on the original insured); 18. The policy covers legal Liability arising out of projects undertaken by the insured for renovation of existing property / interior alteration / new addition to existing building / repair / refurbishment at designated premises. The coverage for project exposure is subject to following a) Territory & Jurisdiction: India; b) No cover for Damage to property being worked upon by the insured and / or their Contractors and / or their subcontractors; c) No cover for Surrounding property belonging to the Principal(s) and / or their Contractor(s) and / or their Subcontractor(s); d) No cover for injury to workmen of Principal(s) and / or their Contractor(s) and / or their Subcontractor(s); e) Underground Resource Exclusion; Property under Care Control Custody Exclusion; f) Professional Liability Exclusion; 19. Liability for organization of any Exhibition, demonstrations or participation in promotional events including events within the insured premises where participation is by invitation from the insured held as part of standard business operations; a) Territory & Jurisdiction: India; b) No cover for Property Damage to Surrounding property belonging to the Principal(s)/their Contractor(s) and Subcontractor(s); c) No cover for property being worked upon by the insured and/or their contractors and/or their sub-contractors; d) No cover for bodily injury to employees/workmen of Principal(s) and/or their Contractor(s) and/or Subcontractor(s); e) No cover for Damage to property being worked upon by the insured / their Contractor(s) and their sub-contractors; f)

ground Resource and Facilities Exclusion; h) Professionals Liability Exclusion.

Warranties

Limit of Indemnity: INR 30,000,000 per claim and in aggregate; Subsidiaries: 1) Minerals and Minerals Limited; 2) Suvas Holdings Limited; 3) Utkal Alumina International Limited; 4) Hindalco-Almax Aerospace Limited; 5) Dahej Harbour and Infrastructure Limited; 6) Tubed Coal Mines Ltd.; 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.; Business Description entity wise: Name of the Entity: Minerals & Minerals Limited; Business Description: Manufacture of non-metallic mineral products e.e.c; Name of the Entity: Suvas Holdings limited; Business Description: Power Generating Company; Name of the Entity: Utkal Alumina International Limited; Business Description: Alumina Refining; Name of the Entity: Hindalco-Almax 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 under ground 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.

Special Conditions

Estimated Turnover : INR 48,091 Crore; Territorial & Jurisdictional Limits: India; Retroactive Date : 1st May 2020 for Extensions from point no.13 to 19: 1st April 1991 for rest of coverage; s. Premises Covered: All Offices, Godowns/Warehouse Owned/Rented/Leased within India by the Insured for the business purposes on undesignated basis; Plants & Mining sites (only designated premises stands covered as per annexure-1 attached).

Comments

Bank RM Employee Code : N

Broker Code 10003766

Channel Name : BR

Broker Name : Aditya Birla Insurance Brokers Ltd.

Contact No : 18002095858/18002095858

Email -

*** 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 & 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, Yerwade 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 Stamp vide Challan No. MH01125440201920M Defaced No. 0008230298201920 ORDER NO.CSD/322020740/2020 ORDER DATED 15.02.2020 DEFACED DATE dated 15-FEB-25 timing 12:17:18 of General Stamp Office, Mumbai, India.

Principal Location : Bajaj Allianz House, Airport Road, Yerwade, Pune - 411006 PH:66026666 | 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 1800-22-5858, 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'. 180501087/(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.

Quotation No : QU-21-1919-3301-00000009

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DESIGNATED PREMISES ENDORSEMENT
TO
PUBLIC LIABILITY INSURANCE POLICY

Endorsement No: 1

Effective Date of Endorsement : 01-MAY-20

Attached to and forming part of Policy No : OG-21-1919-3301-00000007

Insured : HINDALCO INDUSTRIES LTD

It is hereby understood and agreed that the policy shall cover third party bodily injury and property damage taking place at insured's designated premises as mentioned below:

- All Offices, Godowns/Warehouse Owned/Rented/Leased within India by the Insured for the business purposes on undesignated basis;
- Plants & Mining sites (only designated premises stands covered as per annexure attached)

All other terms and conditions of this policy remain unchanged.

Bajaj Allianz General Insurance Co Ltd

AOG PERILS EXTENSION ENDORSEMENT
TO
PUBLIC LIABILITY INSURANCE POLICY

Endorsement No: 2

Effective Date of Endorsement : 01-MAY-20

Attached to and forming part of Policy No : OG-21-1919-3301-00000007

Insured : HINDALCO INDUSTRIES LTD

It is hereby declared and agreed that the policy shall cover third party bodily injury and property damage at the Insured's premises arising out of AOG Perils namely Storm, Typhoon, Flood and Inundation, Earthquake only.

All other terms and conditions of this policy remain unchanged.

Annexure - IV

Mahendra Kumar Tiwari

From: Anil Singh
Sent: Tuesday, April 21, 2020 3:16 PM
To: ceo2@uppcb.com
Cc: rosonbhadra@uppcb.com; Mukesh Mittal; Mahendra Kumar Tiwari
Subject: Quarterly Report - Hindalco Renukoot
Attachments: Water Report.pdf; Air Report.pdf

Sir,

Please find attached scan copy of quarterly report (Jan- March,2020) to be submitted to UPPCB in compliance under Air and Water Act at Hindalco Industries Limited Renukoot. The original copy alongwith Annexures will be submitted to your good office post lock down due to COVID 19.

Best Regards,

Anil Singh



April 21, 2020

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'20 - March'20).

1. The Industry is operating by maintaining all installed air pollution control system effectively and be in compliance for emission norms under EP Rules 1986.
 - a) Please find attached Ambient Air Monitoring report 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. Please find attached result as Annexure – II.
 - c) Calibration of installed OCEMS at our main process stacks (22 nos.) done by third party an approved laboratory on quarterly basis. The online emission data is being transmitted to CPCB server regularly. Please see 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.

We hope you will please find the above in order.

Thanking you,

Yours faithfully,
FOR HINDALCO INDUSTRIES LIMITED

Mukesh Mittal
Vice President (Safety & 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
Distt. Sonbhadra (U.P.)
Telephone +91 5446 252077-79 / 254791-98
Fax +91 5446 252107 / 252427

REGISTERED OFFICE
Ahura Centre, 1st Floor, B-Wing
Mahakali Caves Road,
Andheri(East), Mumbai 400 030
Telephone +91 22 8891 7000
Fax +91 228891 7001

Website www.hindalco.com
E mail hindalco@adityabirla.com
Corporate Identity No. L27020MH1958PLC011238



April 21, 2020

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 (January'20 - March'20).

1) The Industrial Effluent Treatment Plant and the Domestic Effluent Treatment Plant were operated continuously during quarter January'2020 - March'2020. The Details are as follows.

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

Month	Jan'20	Feb'20	Mar'20
	3388	4049	3680

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

Month	Jan'20	Feb'20	Mar'20
	1729	722	556

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

Month	Jan'20	Feb'20	Mar'20
	7142	7423	6737

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

Month	Jan'20	Feb'20	Mar'20
	4587	3481	5247

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

HINDALCO INDUSTRIES LIMITED
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Website www.hindalco.com
E mail hindalco@adityabirla.com
Corporate Identity No. L27020MH1968PLC011238



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) Please find attached compliance report on recommendation of core committee constituted by Hon'ble NGT as Annexure – III.

We hope you will please find the above in order.

Thanking you,

Yours faithfully,
FOR HINDALCO INDUSTRIES LIMITED

Mukesh Mittal
Vice President (Safety & Environment)

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

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Corporate Identity No. L27020MH1958PLC011238

WORK ZONE MONITORING RESULT (OCTOBER ' 2019 TO MARCH ' 2020)

Sl. No	Location	Date	PM ($\mu\text{g}/\text{m}^3$)	Total Fluoride ($\mu\text{g}/\text{m}^3$)
1	Center of Line- III (Plant-I)	13.10.2019	427.68	215.79
2	Roof Top Line- III (Plant-I)	13.10.2019	307.30	227.03
3	Center of Line- V (Plant-II)	20.10.2019	264.79	219.44
4	Roof Top Line- V (Plant-II)	20.10.2019	247.76	208.11
5	Center of Line- VII (Plant-II)	26.10.2019	316.35	218.67
6	Roof Top Line- VII (Plant-II)	26.10.2019	276.85	229.73
7	Caster	05.10.2019	268.93	-
8	Davy Cold Mill	12.10.2019	356.00	-
9	Center of Line- II (Plant-I)	14.12.2019	440.35	202.74
10	Roof Top Line- II (Plant-I)	14.12.2019	316.92	188.89
11	Center of Line- VIII (Plant-II)	12.12.2019	376.92	197.33
12	Roof Top Line- VIII (Plant-II)	12.12.2019	285.62	221.33
13	Center of Line- X (Plant-II)	21.12.2019	375.99	194.59
14	Roof Top Line- X (Plant-II)	21.12.2019	290.20	197.22
15	Caster	02.12.2019	291.88	-
16	Davy Cold Mill	22.12.2019	397.99	-
17	Center of Line- I (Plant-I)	11.02.2020	353.92	222.22
18	Roof Top Line- I (Plant-I)	11.02.2020	333.69	214.49
19	Center of Line- IV (Plant-II)	13.02.2020	359.00	236.11
20	Roof Top Line- IV (Plant-II)	13.02.2020	256.56	213.70
21	Center of Line- VI (Plant-II)	19.02.2020	393.24	252.78
22	Roof Top Line- VI (Plant-II)	19.02.2020	289.58	244.44
23	Caster	08.02.2020	267.01	-
24	Davy Cold Mill	04.02.2020	351.17	-

: 2:

Sl. No	Location	Date	PM ($\mu\text{g}/\text{m}^3$)	Total Fluoride ($\mu\text{g}/\text{m}^3$)
25	Center of Line- III (Plant-I)	12.11.2019	440.42	227.78
26	Roof Top Line- III (Plant-I)	12.11.2019	298.674	208.33
27	Center of Line- V (Plant-II)	17.11.2019	315.37	218.92
28	Roof Top Line- V (Plant-II)	17.11.2019	239.73	213.51
29	Center of Line- VII (Plant-II)	26.11.2019	427.27	173.33
30	Roof Top Line- VII (Plant-II)	26.11.2019	273.86	255.56
31	Caster	03.11.2019	281.56	-
32	Davy Cold Mill	24.11.2019	363.71	-
33	Center of Line- II (Plant-I)	12.01.2020	462.20	200.00
34	Roof Top Line- II (Plant-I)	12.01.2020	354.77	186.30
35	Center of Line- VI (Plant-II)	14.01.2020	376.92	197.33
36	Roof Top Line- VI (Plant-II)	14.01.2020	285.62	221.33
37	Center of Line- IX (Plant-II)	16.01.2020	376.48	200.00
38	Roof Top Line- IX (Plant-II)	16.01.2020	288.60	194.52
39	Caster	06.01.2020	292.61	-
40	Davy Cold Mill	12.01.2020	375.84	-
41	Center of Line- III (Plant-I)	03.03.2020	295.57	205.56
42	Roof Top Line- III (Plant-I)	03.03.2020	245.85	180.56
43	Center of Line- IX (Plant-II)	17.03.2020	331.36	245.95
44	Roof Top Line- IX (Plant-II)	17.03.2020	268.37	216.67
45	Center of Line- XI (Plant-II)	19.03.2020	338.43	247.37
46	Roof Top Line- XI (Plant-II)	19.03.2020	308.62	233.33
47	Caster	21.03.2020	319.88	-
48	Davy Cold Mill	27.03.2020	383.17	-

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

**Date Of Noise Monitoring: February 17, 2020
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	71.8 – 73.6	65.6 – 71.1
2.	Plant – I (Canteen)	---do---	72.3 – 74.7	64.5 – 67.7
3.	Pot Line – II	---do---	74.2 – 76.6	66.5 – 68.1
4.	Pot Line – VIII	---do---	67.8 – 70.9	61.6 – 63.8
5.	Pot Line – X	---do---	71.1 – 73.5	66.7 – 68.9
6.	Alumina Plant (Ball Mill)	---do---	75.4 – 77.6	62.6 – 65.6
7.	Work Shop	---do---	70.8 – 74.8	62.8 – 64.4
8.	Remelt Shop	---do---	73.8 – 75.9	64.8 – 66.9
9.	Cast House	---do---	69.0– 71.8	66.4 – 69.9
10.	Time Office (Plant II)	---do---	74.3 – 76.1	68.1 – 70.9
11.	Project Division	---do---	75.1 – 77.9	65.0 – 67.6
12.	Rectifier Plant -I	---do---	77.1 – 79.3	67.7 – 69.9

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

**Date of Noise Monitoring: February 17, 2020
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.	Guest House	Quarterly	66.8 – 68.6	57.2 – 59.9
2.	Rimjhim Vatika (Admn. Colony)	---do---	64.5 – 66.4	52.9 – 55.0
3.	Hindalco Hospital	---do---	67.3 – 70.9	53.1 – 55.9
4.	Renukeshwar Mandir	---do---	65.5 – 69.2	55.2 – 59.3
5.	Mitali Club	---do---	68.7 – 70.9	58.1 – 60.8
6.	Plant – II Colony	---do---	66.3 – 69.4	51.7 – 54.7
7.	Aditya Birla Public School	---do---	65.9 – 67.9	56.9 – 58.5
8.	Plant –II Colony	---do---	69.9 – 72.3	51.3 – 54.8
9.	Kalyan Bhavan Plant - II	---do---	65.9 – 68.8	50.7 – 56.3
10.	Kalyan Mandap	---do---	66.9 – 68.8	54.3 – 58.6
11.	Hindalco Primary School Unit -II	---do---	69.8 – 73.5	52.5 – 56.3
12.	Near Durgamandir	---do---	67.4 – 69.2	51.9 – 54.4

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

**Date of Noise Monitoring: November 18, 2019
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	64.06 – 70.09	59.25 – 62.21
2.	Plant – II (Canteen)	---do---	66.08 – 71.09	62.08 – 64.30
3.	Pot Line – III	---do---	67.58 – 70.54	61.17 – 63.89
4.	Pot Line – VI	---do---	71.33 – 74.15	64.37 – 68.12
5.	Cast House	---do---	65.16 – 68.99	63.36 – 65.62
6.	Alumina Plant Near Calciner	---do---	69.09 – 74.14	65.48 – 68.99
7.	Central Lab	---do---	70.12 – 73.40	60.47 – 66.17
8.	Extrusion Press # 1	---do---	62.05 – 65.88	65.88 – 67.91
9.	Corban Plant (Central)	---do---	68.08 – 73.37	63.94 – 65.97
10.	Administrative Building	---do---	72.03 – 74.28	60.28 – 65.01
11.	Rectifier Plant - II	---do---	66.66 – 69.91	66.83 – 68.21
12.	Baking Furnace # 6	---do---	69.14 – 75.33	69.14 – 73.08

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

**Date Of Noise Monitoring: November 18, 2019
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.	Guest House	Quarterly	68.3 – 70.9	59.3 – 64.8
2.	Rimjhim Vatika (Admn. Colony)	---do---	60.6 – 63.1	53.6 – 56.6
3.	Hindalco Hospital	---do---	62.5 – 65.2	54.6 – 57.6
4.	Renukeshwar Mandir	---do---	65.5 – 71.5	59.9 – 65.3
5.	Mitali Club	---do---	70.2 – 73.0	52.0 – 55.1
6.	Plant – II Colony	---do---	71.0 – 74.0	55.2 – 58.0
7.	Aditya Birla Public School	---do---	69.2 – 73.1	54.9 – 57.6
8.	Plant –II Colony	---do---	68.2 – 72.3	52.2 – 54.6
9.	Kalyan Bhavan Plant - II	---do---	65.7 – 69.3	51.3 – 54.6
10.	Kalyan Mandap	---do---	71.2 – 72.3	57.8 – 59.3
11.	Hindalco Primary School Unit -II	---do---	72.9 – 75.9	53.5 – 57.5
12.	Near Gurudwara	---do---	68.9 – 71.8	61.9 – 64.9

S.NO.	ITEM	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
1	CAPACITY OF THERMAL POWER PLANT STATION (MW)	84MW	84MW	84MW	84MW	84MW	84MW
	TOTAL POWER GENERATED (MU)	46.698	34.095	34.464	49.399	44.059	30.539
2	Coal Consumption	78009.84	53492.17	82572.76	80494.48	69235.34	59894.57
ASH GENERATION (TONNES)							
3	FLY ASH(ASH SILO)	23869.198	15533.309	17578.215	23534.660	19549.836	16788.298
	FLY ASH (WET DEASING)	1020.180	83.000	0.000	105.000	0.000	470.820
	TOTAL FLY ASH	24889.378	15596.309	17578.215	23639.660	19549.836	17259.118
4	BOTTOM ASH	1953.806	1130.693	3834.183	4944.205	4005.448	8467.814
5	TOTAL ASH GENERATED	26843.186	16727.002	21412.398	28583.865	23555.284	25726.932
A ASH UTILISATION (TONNES)							
6	ASH POND DYKE RAISING	-	-	-	-	-	-
7	CEMENT INDUSTRY	21783.288	15521.285	17505.616	23194.824	19549.836	12228.107
8	LAND FILL						
9	BRICK MAKING	0.000	22.956	25.840	25.660	47.047	23.360
10	Green area devlopment behind Disposal area						
11	AGRICULTURE (IN MUD LAKE AREA)	-	-	-	-	-	-
12	ROAD EMBANKMENTS	-	-	-	-	-	-
13	OTHERS (Low land building construction)	-	-	-	-	-	-
14	TOTAL A	21783.288	15544.221	17531.458	23220.484	19596.88	12251.467
B ASH DISPOSAL (TONNES)							
15	MINE BACK FILLING	-	-	-	-	-	-
16	ASH POND*	5059.900	1182.781	3880.942	5363.381	3958.401	13475.465
17	OTHERS (NEATLY STACKED & PROTECTED)						
18	TOTAL B	5059.900	1182.781	3880.942	5363.381	3958.401	13475.465
19	TOTAL A&B	26843.186	16727.002	21412.398	28583.865	23555.284	25726.932
20	FLY ASH SEND TO ASH DYKE	3106.092	75.044	72.599	444.838	0.000	5031.011
21	BOTTOM ASH SEND TO ASH DYKE	-	-	-	-	-	-