

ADITYA BIRLA



Ref. No. Env/ES/242

Date: 21.05.2020

→ The Member Secretary,
U.P. Pollution Control Board,
T.C.-12V, Vibhuti Khand,
Gomti Nagar
LUCKNOW (U.P.) – 226 010

Sub: Environmental Statement for FY: 2019-20


Dear Sir,

Enclosed herewith please find Environmental Statement of our Plant for the financial year ending 31st March, 2020 in Form -V for your information and kind perusal please .

Hope, you will kindly find the same in order.

Thanking you,

Yours faithfully,
For HINDALCO INDUSTRIES LIMITED
(Renusagar Power Division)


(Kamlesh Maurya)
Asstt Manager (Environment)

Encl: As above.

CC: The Regional Officer,
Regional Office
U.P. Pollution Control Board,
House no. 162, 1 st Floor
Uttar Mohal,
Robertsganj (U.P.)

CC: The Cess Officer,
U.P. Pollution Control Board,
TC12V, Vibhuti Khand,
Gomati Nagar
LUCKNOW (U.P.) 226 010

CC: The Director,
Ministry of Environment Forests & Climate Change
Kendrya Bhawan, 5th Floor
Sector-H, Aliganj,
Lucknow-UP-226024

Hindalco Industries Limited

Renusagar Power Division, P.O. Renusagar 231 218, District: Sonbhadra, Uttar Pradesh, India

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Corporate ID No. : L27020MH1958PLC011238

FORM-V
(See Rule 14)

Environmental Statement for the Financial Year ending the 31st March 2020

PART-A

i	Name and address of the Owner/Occupier of the industry, operation or process.	:	Kamlesh Maurya Asstt Manager (Environment) HINDALCO INDUSTRIES LIMITED (Renusagar Power Division) P.O. Renusagar Dist.Sonebhadra(U.P.)
ii	Industry category Primary-(STC Code) Secondary-(STC Code)	: : :	Category 17 Primary
iii	Production Capacity-Units	:	Electricity Generation-828 MW
iv	Year of Establishment	:	1967
v	Date of last Environmental Statement submitted	:	18.04.2019

PART-B

Water and Raw Material Consumption

i	Water consumption M ³ /day	:	*49332.210 KL/Day
	Process	:	1500.874 KL/Day
	Cooling	:	40447.779 KL/Day
	Domestic	:	7383.557 KL/Day
	*Excluding reuse water		

Name of Products	Process water consumption per unit of product output	
	During the previous financial year : (2018 - 2019)	During the current financial year (2019 - 2020)
	(1)	(2)
1.Electricity	15.18 Gal/MWh	18.00 Gal/MWh

ii Raw Material Consumption

Name of raw materials	Name of Products	Consumption of raw material per unit	
		During the previous financial year (2018 - 2019)	During the current financial year (2019 - 2020)
	Electricity		
Coal		0.706 kg/KWh	0.698 kg/KWh
Water		596.819 Gal/MWh	591.528 Gal/MWh
HSD		0.369 ml/KWh	0.418 ml/KWh
Furnace Oil(HFO)		0.000 ml/KWh	0.003 ml/KWh
Oil&Lubricants		0.012 litre/MWh	0.016 litre/MWh
Grease		1.339 gram/MWh	1.182 gram/MWh

* Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw materials used.

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PART-C

**Pollution discharged to Environment/unit output
(Parameter as specified in the consent issued)**

(1)	Pollutants	Quality of Pollutants discharged (mass/day)	Concentration of Pollutants discharged (mass/volume)	Percentage of variation from prescribed standards with reasons
(a)	Water (Maximum permissible quality)	<p>TSS: 143.76 kg/day BOD:90.16 kg/day COD:303.91 kg/day Oil&Grease:11.35 kg/day Iron(as Fe):3.97 kg/day Fluoride(as F):8.83 kg/day</p> <p>TSS:365.23 kg/day BOD:88.56 kg/day COD:248.52 kg/day Oil&Grease:12.36 kg/day Iron(as Fe):1.98 kg/day Fluoride(as F):13.04 kg/day (No discharge, entire quantity recycled & reused)</p>	<p>Sewage Treatment Plant pH :7.45 - 7.65 TSS:22.8mg/litre BOD:14.30 mg/litre COD:48.20 mg/litre Oil & Grease:1.8 mg/litre Iron(as Fe):0.63 mg/litre Fluoride(as F):1.4 mg/litre</p> <p>Effluent Treatment Plant pH :7.8 - 8.52 TSS:53.20 mg/litre BOD:12.90mg/litre COD: 36.2 mg/litre Oil & Grease:1.8 mg/litre Iron(as Fe):0.29 mg/litre Fluoride(as F): 1.9 mg/litre</p>	Not exceeding the permissible limit.
(b)	Air	PM: 820 kg/day (Approx.) (Total 10 Numbers of Boilers)	PM (mg/Nm3) Annual Average. -92.760	Not exceeding the permissible limit.

PART-D

HAZARDOUS WASTES

(As under [Hazardous Waste & other waste (Management & Transboundary Movement) Rule, 2016])

	Hazardous waste	Total Quantity (Kg)	
		During the previous financial year (2018 - 2019)	During the current financial year (2019 - 2020)
1	From Process (Used Oil)	8593 kg	26525 kg
2	From Pollution control Facilities	Nil	Nil

PART-E

SOLID WASTES

	Solid wastes	Total Quantity			
		During the previous financial year (2018 - 2019)		During the current financial year (2019 - 2020)	
		Fly ash & Bottom ash (MT)	Coal mill rejects (MT)	Fly ash & Bottom ash (MT)	Coal mill rejects (MT)
a	From Process	1686030	4201.55	1600670	5043.98
b	From Pollution control Facilities	1683037		1597677	
c(1)	Quantity recycled or reutilized within the unit.	0.72% (Fly ash)	Back filling of low lying areas.	0.92 % (Fly ash)	Back filling of low lying areas.
(2)	Sold	Nil	Nil	Nil	Nil
(3)	Disposed	Bottom ash to Ash Pond. Fly ash supplied to cement companies		Bottom ash to Ash Pond. Fly ash supplied to cement companies	

PART – F

Please specify the characteristics (in term of concentration and quantum) of hazardous as well as solid waste and indicate disposal practice adopted for both these categories of waste.

Hazardous waste in the form of used oil is stored and send to authorized recyclers for recycling. Solid waste generated are ash and coal mill rejects only. Ash quantity generated as waste is 1600670 MT and coal mill reject is 5043.980 MT.

The Fly ash supplied to Cement Industries and balanced ash is disposed off in the form of slurry to ash pond and coal mill reject are used for back filling of low lying area.

PART – G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

Yearly drawal of water from Reuse Pond,STP,ETP and Ash Water Recovery Plant in the year 2019 - 2020 is 7477929 KL as compared to 6917271 KL in the year 2018-2019.

PART – H

Additional measures/ investment propasal for environmental protection abatement of pollution,prevention of Pollution.

Regular Plantation of different plant species are being carried out which helps in preservation of Bio-reserves.

PART – I

Any other particulars for improving the quality of the environment.

For environmental protection all steps are taken and suggestion implemented.



(Kamlesh Maurya)
Asstt Manager (Environment)

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