MAP/EW-/EC/FY-25-26/197



Date: 28.05.2025

To,
The Deputy Director General of Forests (C),
Ministry of Env., Forest and Climate Change
Regional Office (WZ), E-5
Kendriya Paryavaran Bhawan, E-5 Arera Colony,
Link Road-3, Ravishankar Nagar, Bhopal-462016

Subject: Half yearly environmental clearance compliance report of Hindalco Industries Limited, Unit Mahan Aluminium, Village Orgari, Tehsil Deosar, Singrauli M.P for the period from October 2024 to March 2025.

Reference:

- 1. Environment clearance vide letter no. J-11011/217/2007-IA II (I) dated 18th March 2009
- Environment clearance vide letter no. J-11011/217/2007-IA II (I) dated 15th February 2012 (Amendment)
- Environment clearance vide letter no. J-11011/217/2007-IA II (I) dated 23rd July 2018, (Amendment)

Respected Sir,

We are herewith submitting half yearly compliance report along with all required annexures of Hindalco Industries Limited, Unit Mahan Aluminium situated at village Orgari, Tehsil Bargawan, District-Singrauli MP. The compliance report is for the period from October 2024 to March 2025.

This is for your kind information and necessary records please.

Thanking you,

Yours sincerely

For Hindalco Industries Limited,

Unit Mahan Aluminium

(Manoj Kumar Tiwari)

Section Head - Environment

Cc:

1. The Zonal Head, CPCB, Bhopal

2. The Member Secretary, MPPCB

3. The Regional Officer, MPPCB

Hindalco Industries Limited.

Hindalco Industries Limited, Unit Mahan Aluminium, Bargawan Singrauli (MP)

Name of the Project	Integrated Aluminium Smelter Complex (Primary Aluminium production capacity from 3.25 to 3.59 LTPA) Along with Coal Based captive Power Plant of 900 MW along with 1x 150 MW stand by unit
Clearance letter No	J-11011/217/2007-IA II (I), Dated 18th March 2009, Amended on Dated: 15.02.2012
Period of Compliance Report	October-2024 to March-2025

SI. No.	CONDITIONS	Compliance Status								
i.	There shall be no additional acquisition of land, requirement of water and coal which will remain same as per the environmental clearance dated 18.03.2009	No additional power is required having the revised quantity	The said condition is fully complied. No additional requirement of Land, water, coal etc. No additional power is required after 750 MW. However, the latest Environment clearance/NIPL having the revised quantity for raw materials. Hence, we are complying the condition.							
ii.	The company shall achieve levels of fluoride emissions from 0.7 kg/ton to 0.67 kg/ton of Aluminium produced within a period of three years.	We are well within the required limit. Presently it is 0.60 kg/ton of Al during compliance period.								
iii.	The particulate emission shall be controlled below 50 mg/Nm³ by	Complied with condition. Particulate emission from Captive Power Plant is well within below 50 mg/Nm ³ .								
	installation of ESP in the captive power		Month	Unit-1	Unit-2	Unit-3	Unit-4	Unit-5	Unit-6	
	plant.	Standard		50	50	50	50	50	50	
		Results of PM Monitoring	Min	31.60	14.25	17.32	26.17	28.62	21.26	
		in mg/Nm3	Max	33.45	34.51	42.34	34.78	36.67	31.69	
			Average	32.08	29.42	40.26	28.38	35.74	21.96	

(Please refer Table no -1)

iv. Data on ambient air quality, stack emission and fugitive emission shall be regularly submitted on-line to the Ministry's Regional Office at Bhopal, SPCB and Central Pollution Control Board (CPCB) as well as hard copy once in six months and display data on PM₁₀, SO₂ and NOx outside the premises at the appropriate place for the general public.

Online monitoring systems are installed for Ambient Air Quality, Stack emissions and fugitive emissions and data are being transmitted to MPPCB and CPCB server. Display of data on PM10, SO2 and NOx has been provided at main gate for the general public.



(Please refer Photo no -1)

v The National Ambient Air Quality Standards issued by the ministry vide G.S.R. No.826 (E) dated 16th November .2009 shall be followed We are complying with The National Ambient Air Quality Standards and monitoring are being conducted on regularly. Apart from manual monitoring we have provided CAAQMS at four location in all four direction.



Vİ	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental condition including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of this Ministry at Bhopal/CPCB/SPCB shall monitor the stipulated conditions.	
vii	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 Board as prescribed under the Environmental (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental condition and shall also be sent to the respective Regional officers of the MOEF by e-mail.	Environmental Statement was submitted letter void no MAP/ENV/EAS/2024-25/142, dt

viii	The company shall submit within three	We have obtained IMS certification from DNV Business Assurance India Pvt. Ltd. and in the
	months their policy towards corporate	system, all the SOP and Procedure are incorporated and being followed. IMS Certificate attached
	Environment Responsibility which should	as Annexure - 2 .
	inter-alia address (i) Standard operating	
	processes/ procedure to being into focus	
	any infringement /deviation /violation of	
	environmental or forest norm/conditions,	
	(ii) Hierarchical system or Administrative	
	order of the company to deal with	
	environmental issues and ensuring	
	compliance to the environmental	
	clearance condition and (iii) System of	
	reporting of non-compliance /violation	
	environmental norms to the Board of	
	Director of the company and /or	
	stakeholders or shareholders.	
5.	The Company shall comply with all the	We are complying with all the conditions stipulated vide Ministry's letter of even no. dated
	conditions stipulated vide Ministry's letter	18.03.2009.
	of even no. dated 18.03.2009. In future, in	
	case of change in the scope of the project,	
	the company shall obtain fresh	
	environmental clearance.	

Hindalco Industries Limited, Unit Mahan Aluminium, Bargawan Singrauli (MP)

Nam	ne of the Project		um Smelter Complex (Primary Aluminium production capacity from 3.59 to 3.71 oal Based captive Power Plant of 900 MW along with 1x 150 MW stand by unit		
Clea	rance letter No		IA II (I), Dated 18th March 2009, Amended on Dated: 23.07.2018		
Peri	od of Compliance Report	October 24 to March	h 2025		
Sr. No.	CONDITIONS		Compliance Status		
1	Additional environmental mitigation me project proponent. Inter alia include of dust suppression from Barainiya to M (2.2 KM with 2 Water tankers of 5 Kl cap day during day time for 8 hours and Baragwan police station to Dhaurar (3 tankers of 5 KL capacity deployed per d for 8 hours and 4 trip per tanker); M/s H with DFO and PWD and others. As applantation of tree in the vulnerable and Majhigawan junction (Badokhar Mod) for no of trees and Bargawan Police station KM with 4750 no of trees.	water sprinkling for lajhigawan junction acity developed per 4 trips per tanker); 3 KM with 3 water ay during day times lindalco will take up propriate, to initiate reas at Barainiya to or 2.2 KM with 2750	Water tankers had engaged for dust suppression from Barainiya to Majhigawan junction and Baragwan police station to Dhaurar. Presently, Barainiya to Majhigawan junction has been made concrete road, hence tanker has been diverted other area. Intimation attached in this regard as Annexure – I.		
3	It was reported that following raw in requirements have been envisaged production enhancement. • Alumina Hil will require 23500 alumina to meet this enhanced sourced from HIL,s captive a import, if required based on busine envisorements. • Power- Existing installed capa (5x150MW units in operation an standby) will be sufficient.	of the proposed of MT of additional volume. This will be lumina plants and ness decision.	The total Alumina consumption for October to March 2025 is 363387.62 MT, which well within our permitted quantity. Power generation as per permitted capacity (5x150MW units in operation and 1x150 MW unit as standby		

	 Water - No additional requirement. Water consumption will be within the approved limit of 4600 m3/h Coal - Power Generation will remain within 750 MW and the coal consumption will remain within approved limit of 3.5 MTPA. Aluminium Fluoride — Plant's Fluoride Consumption will remain within approved limit of 10 kg/MT of Aluminium (CREP Guidelines) Land - No additional requirement; No Forest Land is involved. Capital Investment - No additional Capital Investment is needed to meet. This enhanced production capacity. Manpower - No additional Manpower requirement Addition of New Equipment - None Change in Product Portfolio - None. The Product will be Aluminium Ingot, SOWS, Billet and Wire Rod. 	Water consumption is within approved limit. During the compliance period, the coal consumption was 0.6169 MT/ MWh of electricity generation during compliance period. Fluoride consumption is within the approved limit. Presently it is 7.43 Kg/MT Al No additional land is required. No capital investment is incurred for increased production. No additional Manpower is required. No additional equipment is required for increased production. No change in product portfolio.
4	 It was also reported that the following change in pollution load: ETP -— Since there is no additional requirement of water for this enhanced production capacity, no change in the current ETP capacity: 300 m3/h. Fluoride Level — Since the increase in production capacity is very marginal (3.6 %), with the existing Gas Treatment Centre, HIL will be able to maintain 	There will be no increase in pollution load as declared. We are also in process for conducting a study on this by engaging a reputed consultant. No addition in current treatment facility. Fluoride emission level was 0.60 kg F per ton of Aluminium production.

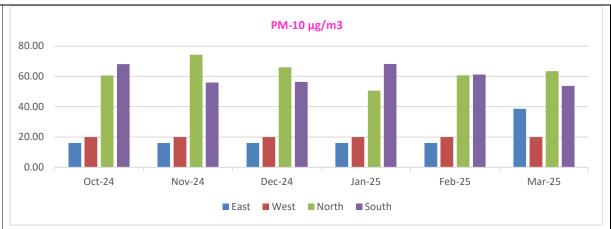
	kg/f • PAH app Cen • Spe	MT, mentior I Level — roved limit tre. nt Pot Lining	ned in the EC. No change. Wil within the Existin	oroved limit of 0.67 I remain with the ng Fume Treatment generation as there	There is no increase in PAH emission level. PAH is being monitored on monthly basis and report is being submitted to MPPCB. Last submitted report is attached herewith for reference as Annexure –II. No additional Spent pot lining will be generated.
5	considered of the Expe decided to Clearance f from 3.59 I change in s	the applicaert Appraisaert Appraisaer accord affor increase. TPA to 3.71 ource of fue	tion based on the office of th	Climate Change has e recommendations ustry-I) and hereby the Environmental m metal production ocess optimization: ears as given below nditions mentioned	
	Year	Allowed through Road Baikunthp Through Via Bina – Wadhan – Road Anapara – Mahan/Sh		% Allowed via Baikunthpur – Wadhan – Mahan/Shahadol – Sidhi - Mahan	We are trying our best to achieve the target
	2017-18 27 % 75 % 25 %				
	2019-20	21 %	95 %	5 %	
	2020-21	21 %	95 %	5 %	
	2021-22	16 %	95 %	5 %	

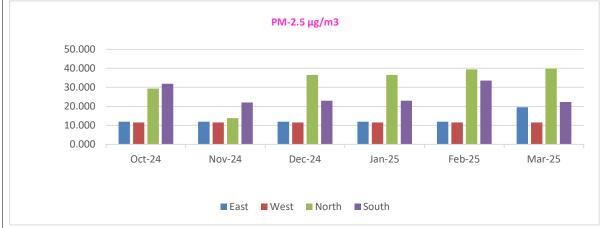
Name of the Project	:	Integrated Aluminium Smelter Complex (3.25 LTPA & Primary Aluminium) Along with Coal Based Captive Power Plant (750 MW)
Clearance Letter No.	:	J-11011/217/2007-IA II (I), Dated 18th March 2009
Period of Compliance Report	:	October-2024 to March-2025

A. Specific Conditions: -

SI.	CONDITIONS	COMPLIANCE STATUS
i.	Efforts shall be made to reduce RSPM levels in ambient air and a time bound action plan shall be submitted.	 To reduce RSPM levels in ambient air, following efforts has been taken; Proper upkeep and maintenance of vehicle, water sprinkling, and sweeping on roads are doing regularly for dust Suppression. Internal roads are made with black top. Bag filters provided at all raw material transfer points to control fugitive emission during handling of materials. Dust suppression/dedusting system has been provided at coal crushing house, conveyor belt, transfer points, raw material handling area etc. Regular water sprinkling done at nearby area site to minimize fugitive emission due to vehicle movement. We have developed 34.33% green belt area including township Closed conveying system for alumina handling installed to control fugitive emission during handling. Dry fog system is provided at rail wagon tippler for coal unloading. Due to above said efforts, ambient quality lies within limit, stipulated in NAAQM notification. The monitoring results during the compliance period are as under

Online ambient air monitoring and continuous stack monitoring facilities for all the stacks and sufficient air pollution control devices shall be provided to all the stacks including captive power plant to keep the emission levels below 100 mg/Nm3.





Graph 1 – Ambient Air Monitoring Trend during compliance period

We have installed online continuous stack monitoring facilities (CEMS) at all the stacks and online continuous ambient air monitoring stations (CAAQMS) at all four directions along with following air pollution control devices to control the ambient and emissions from stacks;

Parameter	Stan	Nor	North Direction		Ea	East Direction		South Direction		West Direction		n	
S	dard	Min	Max	AVG	Min	Max	AVG	Min	Max	AVG	Min	Max	AVG
PM ₁₀	100	15.05	98.06	62.61	15.66	284.13	19.77	22.99	86	60.63	19.72	20.37	20
μg/m3	100	13.03	98.00	02.01	15.00	264.13	19.77	22.99	80	00.03	19.72	20.37	20
PM _{2.5}	60	8.36	58.17	36.41	6.6	147.99	13.24	9.87	40.16	27.82	11.3	11.75	11.5
μg/m3	00	0.50	36.17	30.41	0.0	147.55	15.24	3.07	40.10	27.02	11.5	11.73	11.5
SO2	80	8.05	38.01	11.11	4.96	32.63	6.26	3.34	52.96	22.16	2.89	3.14	3.0
μg/m3	50	0.03	30.01	11.11	4.50	32.03	0.20	3.34	32.30	22.10	2.03	3.14	3.0
NOx	80	5.22	32.37	6.81	3.52	28.6	3.96	4.53	19.82	10.31	2.42	2.61	2.5
μg/m3	50	3.22	32.37	0.01	3.32	20.0	3.50	4.55	15.02	10.51	2.72	2.01	2.3
PAH		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
μg/m3		DDL .	DDL .	551	DDL	DDL	DDL	DDL	DDL .	DDL .	DDL .	DDL .	DDL
СО	4	0.21	0.92	0.48	0.07	0.57	0.18	0.15	0.83	0.42	0.53	0.58	0.55
mg/m3	Ť	0.21	0.32	0.40	0.07	3.37	5.10	5.15	0.33	0.42	0.55	0.50	3.33
Fluoride	-	0	0	0	0	0	0	0	0	0	0	0	0

Table 1 – Ambient Air Quality during compliance period

Aluminium Smelter

Sr.	Stack	Attached to	Flow	APCE	Technical Specification
1	Gas Treatment Centre -1	First 180 Pots of Pot room – A&B	990 m ³ /S	Dry Scrubber & Stack	Inlet Temp- 125 °C Outlet Temp 80-120 °C Stack hight-100 Mtr
2	Gas Treatment Centre-2	Last 180 Pots of Pot room – A&B	990 m ³ /S	Dry Scrubber & Stack	Inlet Temp- 125 °C Outlet Temp 80-120 °C Stack hight-100 Mtr
3	Fume Treatment Centre	Anode baking furnace	196681 Am³/hr	Dry Scrubber & Stack	Section -66 Nos. Stack height – 70 Mtr.

Captive Power Plant (in each plant out of 6 x 150MW)

Sr.	Stack	Attached to	APCE	Technical Specification
1.	Power Plant Unit [6Nos]	Boilers	Electro Static precipitator & stack	Gas Flow rate(wet)-263.4 m³/s Collection efficiency-99.929% Precipitator per Boiler- 2 Nos. Field in series in each Gas path-7 Stack Height – 125 mtr. each.

2	Dust Suppression System	Reclaiming Hopper (CHP), Wagon Tippler, Track hopper, Stacker & Reclaimer	Water Sprinkling	Nozzle cap -9 Liter/hr Spraying Fog pressure 2 Kg/Cm ² compressed Air pressure ⁵ Kg/Cm ²
3	Dust Extraction	Coal bankers, Crusher house	Bag filter	Bag Type – Polyester Needle Felt Emission < 50 mg/Nm ³ Efficiency – 99.6
4	De-dusting System	Ash Silos	Bag filter	Bag Type – Polyester Needle Felt Emission < 50 mg/Nm ³ Efficiency – 99.6

Table No. 2 - List of Air Pollution Control Equipment







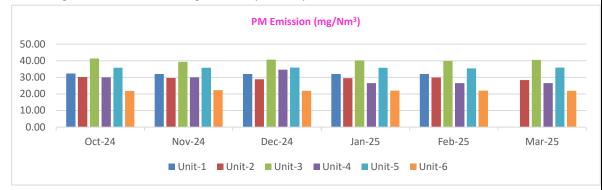


Photo 1 - ESP along with Stack and Dust Suppression System in CPP respectively along with new commissioning of FGD

Table No. 3 - Max, Min & Avg. of PM Monitoring results

	Month	Unit-1	Unit-2	Unit-3	Unit-4	Unit-5	Unit-6
Standard		50	50	50	50	50	50
Results of PM Monitoring	Min	31.60	14.25	17.32	26.17	28.62	21.26
in mg/Nm3	Max	33.45	34.51	42.34	34.78	36.67	31.69
	Average	32.08	29.42	40.26	28.38	35.74	21.96

With effective monitoring and operations of the pollution control equipment we achieved following emission level during the compliance period –



Graph 2 - Particulate Matter Emission

Details are as per Table - 5.

ii. Electrostatic precipitator (s) shall be provided to Captive Power Plant to control gaseous emission within 100 mg/Nm3.

The stack of adequate height to be provided to power plant and anode plant as per CPCB guidelines.

As per condition we have provided individual ESP for each CPP units which is designed to control the emission level below 50 mg/Nm3.

Stacks at Power plant and Smelter has been made as per CPCB guideline. Calculation as per CPCB guideline for determination of height are as per below-

Stack	С	alculation	Required Height (Mtr.)	Actual Height (Mtr.)
CPP (1 to 6)	14 X 840 ^(0.3)	@SO ₂ 840 kg/hr	106	125
GTC (1 & 2)	14 X 627.26 ^(0.3)	@SO ₂ 627.26 kg/hr	96.70	100
FTC	14 X 205.697 ^(0.3)	@SO ₂ 205.697 kg/hr	69.20	70

Gaseous emission shall be regularly monitored and record maintained and reports submitted to the Ministry including its Regional Office at Bhopal/Central Pollution Control Board (CPCB) and M.P. Pollution Control Board (MPPCB) six monthly.

Table No 4 - Calculation for Stack Height Determination

Online monitoring system at each ESP stacks and process stack are installed for gaseous monitoring and continuously data is being transmitted directly. Apart from this we are conducting third party monitoring in every month and reports are being shared with Ministry including its Regional Office at Bhopal/Central Pollution Control Board (CPCB) and M.P. Pollution Control Board (MPPCB).

Six monthly compliance reports are being submitted to Ministry and MPPCB regularly. Monthly avg. value of emission from stack, during the compliance period are as below;

Table No 5 - Month wise Emission level at CPP in (mg/Nm3)

Month		CPP 1			CPP 2			CPP 3			CPP 4			CPP 5			CPP 6	
Parameter	PM	SO2	Nox	PM	SO2	Nox	PM	SO2	Nox	PM	SO2	Nox	PM	SO2	Nox	PM	SO2	Nox
									Mg/	Nm³								
Standard	50	600	450	50	600	450	50	600	450	50	600	450	50	600	450	50	600	450
Oct-24	32.3	347.1	214.	30.1	364.2	123.	41.4	464.1	168.	30.0	249.9	194.9	35.	206.5	240.1	21.8	252.7	178.
	7	3	85	2	8	97	2	4	06	0	7	7	75	2	6	2	5	81
Nov-24	32.0	301.7	215.	29.6	394.5	132.	39.3	418.0	178.	30.0	250.0	195.0	35.	227.3	232.3	22.2	248.0	190.
	2	4	02	1	0	28	2	5	10	0	1	1	74	2	4	6	6	11
Dec-24	32.0	300.0	215.	28.7	428.3	227.	40.6	394.5	194.	34.5	300.4	215.3	35.	510.2	155.1	21.9	235.8	181.
	1	7	05	7	3	61	2	9	57	6	5	2	90	8	5	4	8	92
Jan-25	31.9	299.9	214.	29.4	433.6	218.	40.1	397.4	189.	26.4	274.9	199.9	35.	531.5	176.3	21.9	193.2	159.
	9	2	95	8	1	57	3	3	56	9	0	4	78	4	9	6	5	94
Feb-25	31.9	299.8	214.	29.9	434.3	190.	39.8	342.6	186.	26.5	275.0	200.0	35.	468.3	180.9	21.9	280.7	191.
	7	1	87	0	6	80	1	3	70	1	2	1	43	5	1	5	0	62
Mar-25		Shutdown		28.3 7	380.9 3	221. 97	40.4 4	308.6 4	183. 51	26.5 1	275.1 2	200.0 8	35. 84	362.5 3	187.4 0	21.9 3	298.7 1	199. 57

STACK	PM mg/Nm ³	SO2 mg/Nm ³	NOx mg/Nm ³
Standard	50	600	450
CPP 1 ESP	32.07	309.73	214.94
CPP 2 ESP	29.37	406.00	185.87
CPP 3 ESP	40.29	387.58	183.42
CPP 4 ESP	29.01	270.91	200.89
CPP 5 ESP	35.74	384.43	195.39
CPP 6 ESP	21.98	251.56	183.66

Table No 6 - Avg. Emission at CPP in (mg/Nm3), during Compliance period

iii.	Particulate fluoride emission shall not be
	more than 0.65 mg/Nm3 and Fugitive
	particulate fluoride emission from pot rooms
	shall not be more than 1.85 mg/Nm3.

Continuous fluoride emission monitoring system shall be installed at pot room stack.

Average Particulate fluoride emissions from pot room stack is 0.29 mg /Nm3 during the compliance period.

Online continuous stack monitoring equipment's are installed at Gas treatment Centre (GTC) stacks of Pot room for measuring particulate matter and fluoride emission and data is being transmitted to the board directly. Parallelly manual monitoring is also being done by external agency. Results are tabulated as below in **Table - 7**.

Gaseous ar	Gaseous and particulate fluoride Report October-2024 to March-2025										
Months	GTC 1		GTC 2								
	HF	F(p)	HF	F(p)							
Standard	-	0.65 mg/Nm3		0.65 mg/Nm3							
	mg/Nm3		mg/Nm3								
Oct-24	0.236	0.153	0.228	0.165							
Nov-24	0.241	0.148	0.234	0.159							
Dec-24	0.229	0.134	0.216	0.127							
Jan-25	0.221	0.136	0.217	0.125							
Feb-25	0.236	0.142	0.248	0.151							
Mar-25	0.228	0.136	0.251	0.143							
Avg.	0.23	0.14	0.23	0.15							

Table 7 – Third party Pot Room Stack Monitoring results

iv. plant shall not exceed 50 mg/Nm3.

The particulate emission from bake oven The particulate emission from bake oven plant is well within the limit against 50 mg/Nm3. Details are as per below Table - 8.

Month	РМ	HF	РАН
Standard	50		2
	mg/Nm3	mg/Nm3	mg/Nm3
Oct-24	17.63	0.29	BDL[<0.001]
Nov-24	13.57	0.33	BDL[<0.001]
Dec-24	12.09	0.37	BDL[<0.001]
Jan-25	7.34	0.68	BDL[<0.001]
Feb-25	11.51	0.40	BDL[<0.001]
Mar-25	10.65	0.20	BDL[<0.001]
Min	7.34	0.20	BDL[<0.001]

		Max	17.63	0.68	BDL[<0.001]						
		Avg.	12.13	0.38	BDL[<0.001]						
		Table 8 – Anode Bake Oven Stack Monitoring									
٧.	Data on ambient air quality, stack emission	The monitoring data from			•						
	and fugitive emission shall be regularly	•	nsmitted data mentione	d as "Table 1 – .	Ambient Air Quality durin						
	submitted on-line to the Ministry's Regional	compliance period".									
	Office at Bhopal, M.P. Pollution Control Board	<u>Table</u>	9 – Online Monitored Ambient A	ir Quality for compliand	e period						
	(MPPCB) and Central Pollution Control Board										
	(CPCB) as well as hard copy once in six months.	Selection Criteria Map Station Status Camera									
		Companyllame X StationName Color	Station Status	CAAQNS_1_Town Ship(East)	ONLINE						
		CompanyName: Hindalco Industries Ltd-Mahan	1	CAAQMS_2_Near Smltr ETP(Mest)	ONLINE						
		ETP- Smelter	ONLINE	Stack; 6_CPP_ESP	ONLINE						
		Stack_1_Gas_Treatment_Centre_1	ONLINE								
		Stack_2_Gas_Treatment_Centre_2	ONLINE	CAAQMS_3_CPP Cooling tower(North)	ONUNE						
		Stack_3_At Furne Treatment Centre1	ONLINE ONLINE	CAAQMS_4_Reservoir(South)	ONLINE						
		Stack_1_CPP_ESP	ONLINE	Stadu_5_CPP_ESP	ONLINE						
		Stati 3, 079, ESP	ONLINE	ETP Outlet-CPP	ONLINE						
		State 4_079_ESP	ONLINE	X (1) X items per page	1 - 15 of 15 items						
				owered By NXSquare Solutions							
		Pnoto 2 -	Screenshot of status Display at C	PCB & MPPCB Website	respectively						
	Data on SPM, SO ₂ and NOx shall also be displayed outside the premises at the appropriate place for the general public.	All Data on Environmental	Parameters has been dis	played at the main	n gate for general public.						
νi.	In plant, control measures for checking fugitive emissions from spillage/raw material handling shall be provided	To control fugitive emissicircuits are closed and cov	ered to avoid/minimize t	he spillage from m	<u> </u>						
	handling shall be provided.	fog system is provided at r	ail wagon tippler for coal	unloading.							





Photo 4 - Conveyer belt For Alumina & Pet Coke Handling and Coal respectively

Fluoride emissions shall be monitored from the pot room and in the forage around the smelter complex and the data submitted regularly to the Ministry/Regional Office at Bhopal and MPPCB.

Fluoride emission is monitored continuously at the stacks of Gas treatment centers connected with Pot room.

Forage fluoride is monitored at all around the smelter complex. Reports is submitted to Ministry Regional office, MPPCB.

Monitoring of forage fluoride analysis around the complex is continue (Please refer Table no. 10 for monitoring results)

Location	Value of Forage Fluoride (ppm)
Standard	One month – 80 ppm
Nr.Primary School.Adiwasi basti	4.749
Nr.Temple barchi tola	5.088
Nr.Gurchi tola gidher village	5.068
Nr.dharsara tola bargawan village	4.769

Table No 10 -Avg. Forage Fluoride Monitoring Location Wise

Further dry scrubbing system to control the emission from the pot lines shall be provided.

Dry scrubbing system is already in place to control emission from pot room. GTC emission is well within limit. (Please Refer the Table No 7 for monitoring results.)

	Total fluoride emissions shall not exceed 0.7 kg/ton of Aluminium produced. Further the pot emissions through fume treatment plants	Photo No 5 – Dry Scrubbing System for Pot Room and Anode baking System respectively. Total Fluoride emission is 0.60 Kg/Ton of Aluminium against the 0.70 Kg/ton of Al during compliance period of October-2024 to March-2025.
	shall not exceed 0.30 kg/ton of Aluminium produced.	Continuous monitoring system for fugitive fluoride (gaseous) has been installed.
	Fugitive fluoride emission from the pot room shall be monitored and report submitted regularly to the Ministry/Regional Office at Bhopal and MPPCB.	
vii.	The company shall install gas treatment centers (GTC) to treat fumes coming out from pot line pots.	HIL has installed the 02 no's of Gas treatment Centre (GTC) to treat fumes coming out from pots towards the compliance of condition.
	The emissions shall conform to the standards prescribed by the Ministry/CPCB/MPPCB whichever is more stringent.	Emission level from GTC is well within the standards prescribed by MoEFCC /CPCB/MPPCB. (Please refer Table No 7 for monitoring results.)
viii.	Bag filters shall be provided to anode baking plant and transfer points to control fugitive emissions.	Bag filters in anode baking plant, transfer points are installed for controlling of fugitive emission.
	Gas treatment center (GTC) shall be provided to treat the fumes from the pot line.	Gas treatment centers are installed for treatment of fumes from pot lines. (Pl. refer Photo 5)

Closed alumina wagon and dense phase conveying for alumina handling shall be provided to reduce the fugitive emission.

High efficiency collection hoods, flue gas treatment plants and dry scrubbers shall be provided to keep the fluoride emission below 0.7 kg/ton from Anode bake oven.

Internal roads shall be paved /asphalted.

Calcined petroleum based dry scrubbers, dust suppression and collection system shall be provided to Carbon paste plant. De-dusting system shall be provided to control the fugitive emissions.

Dust suppression systems to be provided to control fugitive emissions from the crushing house, dumpers, conveyer belt, moving vehicle, pneumatic compressors, raw material handling etc.

Closed alumina wagon and closed conveying system for alumina handling has been installed to reduce fugitive emission during handling.



Photo 6 - Wagon for Alumina Transportation

High efficiency collection hoods have been provided at Pot rooms to avoid fugitive emission. Presently Fluoride emission from Anode baking is 0.008 kg/ton Al. Dry scrubber has been provided at Anode bake oven. (Please refer Photo -5)

Internal roads made black topped.

De-dusting systems are provided and in operation at carbon plant.

Water sprinklers installed in raw material (coal) handling area. Dust suppression/extraction (bag filter) systems provided in crushing house, conveyor belt, transfer points etc. Dry fog system is provided for coal unloading at wagon tippler.





Photo 7 - Water Spray System at Coal handling plant and at Coal Wagon Tippler in CPP

ix.	The poly aromatic hydrocarbon (PAH) from the carbon plant shall not exceed 2		•	oon (PAH) is mon	itored fr	om Fume treatmer	Poly aromatic hydrocarbon (PAH) is monitored from Fume treatment plant (FTC) and found below detection level (BDL).							
	mg/Nm3.The data on PAH shall be monitored quarterly and report submitted regularly to	Details are mentioned in Table – 8. Pls refer.												
	the Ministry/Regional Office at Bhopal and MPPCB.			-		ed authorities. Last d 17.05.2025 thro u	report i.e. during cor	mpliance						
x.	Fluoride consumption shall be less than 10 kg/ton of Aluminium produced as specified by the CREP guidelines. Accordingly, fluoride emission load shall be reduced.	_	During compliance period, our Fluoride consumption was 7.43 Kg/Ton, which is well within prescribed limit.											
xi.	Efforts shall be made to reduce the impact of transportation system due to movement of raw material, semi-finished products and	interme	diate products.	The project is en	nploying	•	distance of raw mate dling techniques e.g. I hoto No- 4)							
	finished products on the surrounding		Material Coal			Mode of Transpor	ation							
	environment.					Truck	Rail							
						٧	٧							
			Alumina	mina		-	٧							
			CP Coke		-		٧							
			Fuel Oil			٧	-							
			Pitch			٧	-							
			Aluminium Fluc	oride	٧		-							
				Table 11 - Mode of	Transportat	ion for Different Raw Mater	rials							
xii.	Total water requirement from River Gopad shall not exceed 4,600 m3/hr and prior permission for the withdrawal of 4600 m3/hr water from the concern department shall be	withdrav period (wal of water fro October-2024 to	m Gopad river. T	Total wa against t	ter withdrawal is 90 he permissible wit	Govt. of Madhya Pra 051632 m³ during cor hdrawal limit 2,02,03	mpliance						
	obtained.		Month	Total Water Withdra during reporting per	iwal Qty. riod (KL)	Permission @ m3/ hr	Actual Withdrawal @ m3/hr							
			Total	9051632		4600.0	2072.26							
		Table 12 – Water Withdrawal from Gopad River during October 2024 to March 2025												

	Closed circuit system shall be adopted to reduce water consumption and control water pollution. As reflected in EIA/EMP, all the process effluent shall be treated in effluent treatment plant (ETP) and treated waste	As per EIA/EMP, following effluent/ sewage treatment facility have been installed for smelter, power plant and colony separately as detailed in below table. All the process effluent is being collected and treated at respective treatment facilities. All the treated waste water being used in the different purpose like cooling, green belt development and dust suppression, ash slurry preparation etc.						
	water shall be recycled and reused for cooling, dust suppression, green belt development and coal/ash handling to		Sr.	Name of Treatment Facility	Capacity KL/Day	Total Quantity Recycled after Treatment (M³)	Quantity Recycled (KL/Day)	
	achieve zero discharge.		1	Smelter ETP	7200	249770.92	684.30	
			2	CPP ETP	12600	45398.00	124.38	
			3	Industrial STP	240	10324.52	28.29	
			4	STP C Type Colony	150	20165.01	52.24	
			5	STP F Type Colony	300	21257.35	58.23	
				Total	20,490	346915.8	947	
	treatment plant (STP) and treated waste water conforming to the standards for land application shall be reused for green belt development within the plant premises.	effluent is being used in green belt development & horticulture purpose					int. Heateu	
xiii.	A detailed hydrological study of ground water movement shall be carried out for the assessment of ground water contamination to assess the risk of ground water contamination and report submitted to the Ministry and its Regional Office at Bhopal within six months.	the core plant area and its surrounding had been done by M/s GEO, Kolkata. Detailed report has been submitted to the Director, MoEFCC, New Delhi & Regional Office at Bhopal vide our letter						
xiv.	Proper care shall be taken to ensure no run off or seepage from the disposal site to natural drainage. Ground water all around the disposal area shall be monitored regularly and report submitted to the MPPCB/CPCB and Regional Office of the Ministry at Bhopal.	HDPE lining used during construction of ash dyke to avoid any leakage /seepage. Monthly monitoring is being conducted in nearby villages for ground water and report submitted to the concerned regulatory body regularly.						

XV.	The spent pot lining generated from the smelter shall be properly treated and disposed off in secured landfill site (SLF). The location and design of the landfill site shall be approved by MPPCB as per Hazardous Waste (Management and Handling) Rules, 2003 and should be as per CPCB guidelines. The ground water quality around the landfill site shall be monitored and the data submitted to the Ministry/MPPCB. Spent pot lining generation shall not exceed as per guidelines mentioned in the Corporate Responsibility for Environment Protection (CREP) for Aluminium Sector and shall be disposed off in secured landfill (SLF) designed and constructed as per CPCB guidelines with proper leachate collection system. ETP & STP sludge will be used as soil conditioner for green belt development. All the dross, used oil and batteries shall be sold to the authorized recycler/re-processors.	We have a separate covered shed with concrete floor for storage of spent pot lining. Presently we are sending our SPL to authorized recycler/cement industries. During the compliance period (October-2024 to March-2025) we have disposed 1391.36 MT of SPL through authorized recycler. ETP sludge is being collected and co-processed through M/s ACC Limited, Kymore time to time. STP Sludge is being used for soil conditioning for horticulture purpose. We have disposed 2232.91 MT of Aluminium Dross to authorized recyclers during compliance period. Used Oil & Batteries are being sold to authorized recyclers.
xvi.	Effort shall be made to find application and use of spent pot lining generated from the smelter.	We are properly segregating the Spent pot lining, carbon part being send to authorized recycler and refractory to the cement plant for co-processing/ utilization having proper authorization form MPPCB.
xvii.	Proper utilization of fly ash shall be ensured as per Fly ash Notification 1999 and subsequent amendments in 2003. All the fly ash generated shall be properly stored in ash storage pond and provided to cement and brick manufacturers for further utilization.	Maximum fly ash is supplied in dry mode to the nearby cement manufacturers at Satna- Rewa cluster and remaining ash is being sent to Ash dyke. An agreement has been made with some cement company for taking fly ash from our unit. During the reporting period total Fly ash was generated 548734 MT , utilization was 613784 MT and 111.85 % was total utilization.

xviii.	Occupational health surveillance of workers shall be done on a regular basis and records maintained as per Factories Act.	Conducting health checkups as per schedule and maintaining records. Annexure -A
xix.	Green belt shall be developed in 500 ha (33%) out of total 1500 hac area to mitigate the impact of fugitive emissions as per CPCB guidelines.	We have developed green belt in 34.33 % up to Mar-25 of total acquired land (i.e. 439.20 ha) in phased manner and continue. We have acquired only 1279.32 ha land against proposed 1500 ha. Development of green belt in and around the plant and colony is in progress.
XX.	The company shall develop rain water structures to harvest the run-off water for recharge of ground water in consultation with the Central Ground Water Authority /Board.	There are multiple ponds which are being used to collect rain water and water collected gets utilized. Study for feasibility of rain water harvesting has completed and report been submitted to CGWB. Currently we did the rainwater harvesting study from MNIT Prayagraj, recommendations are in progress to implementation.
xxi.	Land acquisition for the proposed integrated Aluminum Smelter Complex (3.25 LTPA & primary aluminum) along with coal based Captive Power Plant (750 MW) at Village Orgari, Bargawan, District Sidhi, Madhya Pradesh shall not exceed 1,500 ha.	Total land acquired for the Project is less than 1500 ha. We have acquired only 1279.32 ha land against the proposed 1500 ha.
xxii.	As proposed no forest land shall be used.	No forest lands are acquired for the project.
xxiii.	Recommendations of the State Forests department regarding the impact of the proposed expansion plant on the surrounding reserve forest viz. Mohanban RF (4 km WSW), Jiwan RF (5.5 km NNE), Muher RF (9.2 km SE), Pokhara RF (6.3 km NE), Orgari PF (0.2 km N), Majhigawan PF (7 km NNE), Teldah PF (4.6 km SE), Pachwar PF (9.9 k m NNE) Gidher PF (2.7 km NW), Uska PF (6.3 km E), Lohara PF (4.5 km NNW), Bichhi PF (6.6 km N), Parihasi PF (4.6 km NNE) and Bori PF (7.8 km N) shall be obtained and implemented	The study has been carried out by M/s Vimta lab and it has been mentioned in our comprehensive EIA report, there is no impact envisaged on ecological environment.

xxiv.	Measures shall also be taken to prevent impact of particulate emission /fugitive emissions, if any from the proposed plant on the surrounding forest located within 10 km radius of the project. Further, conservation plan for the conservation of wild fauna of Schedule I located in the forest/reserve forest in consultation with the State Forest Department shall be prepared and implemented.	We have engaged a consultant, M/s Consulting Engineers Group Ltd, Jaipur for study and conservation plan of Wild Fauna as per schedule-1 located in the surrounding forest / reserve forest and report submitted to your good office.
xxv)	Rehabilitation and Resettlement shall be implemented as per R&R Policy of the State Government of Madhya Pradesh. Suitable employment to all the oustees shall be provided. Compensation paid to the land oustees in any case shall not be less than The norms prescribed under the National Resettlement and Rehabilitation Policy, 2007.	The R & R plan was made and signed between Hindalco & Government of MP on 1st May 2009. Total Oustees were 2958, we have provided employment to 2116, pension to 350 oustees as per National Resettlement and Rehabilitation Policy, 2007. As per R & R agreement, the R& R colony has been made near the project site and had designed by the agency of International repute. All the house outees (1628) families have been relocated from site. Out of 1628 (902 took cash compensation and 722 are living in R&R colony)
xxvi)	All the recommendation made in the charter on Corporate Responsibility for Environment Protection (CREP) for Aluminium Sector shall be strictly implemented.	The pollution load of particulate matter and fluorides are calculated based on the CREP norms.
xxvii	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the	We are complying the recommendation in the EIA/EMP report and suggestions during public hearing meetings.

	EIA/EMP report and suggested during public hearing meeting.	
xxviii	, ,	ompany had provided housing and all facilities to construction labor. Presently project has been ompleted. Hence all Temporary Residence for construction labors have been demolished.
B. GEN	NERAL CONDITIONS:	
i)	The project Authority must strictly adhere to the stipulations made by M.P. Pollution Control Board (MPPCB) and State Government.	Complying with all the conditions stipulated in Consent to Operate issued by MPPCB. CTO Compliance is attached as Annexure – B
ii)	No expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment and Forests	The said condition is being strictly complied.
iii)	The gaseous emission from various process units should conform to the standards prescribed by the concerned authorities from time to time. The MPPCB may specify more stringent standards for the relevant parameters keeping in view the nature of the industries and its size and location. At no time the emission level should go beyond the prescribed standards. In the event of failure of any Pollution control system adopted by the unit, the respective unit should not be restarted until the control measures are rectified to achieve the desired efficiency.	standards prescribed by concerned agencies.
iv)	Adequate ambient air quality monitoring stations shall be established in the	, ,

	downward direction as well as where maximum ground level concentration of SPM, SO2 and NOx are anticipated in consultation with the MPPCB. Data on ambient air quality, fugitive emission and stack emission shall be regularly submitted to this Ministry including Regional Office at Bhopal and MPPCB once in six months.	On line data for ambient air quality, stack emission etc. regularly being transmitted to the MPPCB/CPCB. Photo 9- Ambient Air Quality monitoring Station
v)	In- plant control measures for checking fugitive emission from spillage /raw materials handling etc shall be provided. Closed Alumina wagon and dense phase conveying for Alumina handling shall be provided to reduce fugitive emission. Bag filters and covered conveyers and adequate water sprinkling shall be done to control fugitive emission.	handling. Closed alumina wagon is being engaged for external transport of alumina and Dense phase conveying system provided for transportation of Alumina within plant.
vi)	The overall noise level in and around plant area should be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels	personal protective equipment is being used at high noise area at work place within plant. Ambient Noise Monitoring Data Sheet Sound Lovel (dRA)

	should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime)	Location	ETP (WEST)		COOLING TOWER (NORTH)		RESERVOIR (SOUTH)		NEAR HOSPITAL (EAST)	
	and 70 dBA (night time)	Month	Day	Night	Day	Night	Day	Night	Day	Night
	and 70 abA (mgnt time)	March- 2025	56.8	51.7	57.4	52.3	63.5	58.4	61.2	55.8
					Table 15 – A	Ambient Nois	e Monitorin	g Report		
vii)	The occupational health surveillance of workers shall be done on regular basis and records maintained as per Factories Act.	Full time r Health cer				ointed for	the healt	h checking	g of worke	ers. Occupatio
viii)	The company shall also comply with all environmental protection measures and safeguards recommended in EIA/EMP report. Further, the company shall earmark funds separately for improving the socio –	•			earmarked y of the reg		ronmenta	l protecti	on and i	mproving so
	economy and ecology of the region.									
ix)	As proposed, Rs. 405.00 crores for environmental management plan, Rs. 45.00 Lakhs towards total capital cost and Rs. 21.00 lakhs earmarked towards recurring	Crores for running or	polluti f the fa	on contro		opriate re t during o	omplianc			rked for smo .64 lakhs aga
ix)	As proposed, Rs. 405.00 crores for environmental management plan, Rs. 45.00 Lakhs towards total capital cost and Rs. 21.00 lakhs earmarked towards recurring cost/annum for environmental pollution	Crores for running or	polluti f the fa	on contro	ol and appro	opriate re t during o	omplianc neasures.			
ix)	As proposed, Rs. 405.00 crores for environmental management plan, Rs. 45.00 Lakhs towards total capital cost and Rs. 21.00 lakhs earmarked towards recurring cost/annum for environmental pollution control measures shall be judiciously utilized	Crores for running of 21.0 lakhs	polluti f the fa	on contro	ol and appro	opriate re t during o Control n	omplianc neasures.			.64 lakhs aga
ix)	As proposed, Rs. 405.00 crores for environmental management plan, Rs. 45.00 Lakhs towards total capital cost and Rs. 21.00 lakhs earmarked towards recurring cost/annum for environmental pollution control measures shall be judiciously utilized for implementation of conditions stipulated	Crores for running of 21.0 lakhs	polluti f the fa	ion contro cilities. Re vironment	ol and appro	opriate re t during o Control n	omplianc neasures.			.64 lakhs aga
ix)	As proposed, Rs. 405.00 crores for environmental management plan, Rs. 45.00 Lakhs towards total capital cost and Rs. 21.00 lakhs earmarked towards recurring cost/annum for environmental pollution control measures shall be judiciously utilized for implementation of conditions stipulated by Ministry of environment and Forests as	Crores for running of 21.0 lakhs Sr. Items 1 Gas Tr	polluti f the fac for Env	on contro cilities. Re vironment	ol and appro	opriate re t during o Control n	omplianc neasures. r	e period v		Actual Cost (Crores)
ix)	As proposed, Rs. 405.00 crores for environmental management plan, Rs. 45.00 Lakhs towards total capital cost and Rs. 21.00 lakhs earmarked towards recurring cost/annum for environmental pollution control measures shall be judiciously utilized for implementation of conditions stipulated by Ministry of environment and Forests as well as State Government along with the	Crores for running o 21.0 lakhs Sr. Items 1 Gas Tr 2 Fume 7	polluti f the factor for Env	cilities. Revironment	ol and appro	opriate re t during o Control n	omplianc neasures. r	e period v		Actual Cost (Crores) 310.52 58.17
ix)	As proposed, Rs. 405.00 crores for environmental management plan, Rs. 45.00 Lakhs towards total capital cost and Rs. 21.00 lakhs earmarked towards recurring cost/annum for environmental pollution control measures shall be judiciously utilized for implementation of conditions stipulated by Ministry of environment and Forests as well as State Government along with the implementation schedule for all the	Crores for running of 21.0 lakhs Sr. Items 1 Gas Tr 2 Fume 1 3 Smelte	polluti f the factor for Environment Systematic Control of the Con	cilities. Revironment	ol and appro ecurring cos al Pollution	opriate re t during o Control n	omplianc neasures. r	e period v Alstom C/Thermax		Actual Cost (Crores) 310.52
ix)	As proposed, Rs. 405.00 crores for environmental management plan, Rs. 45.00 Lakhs towards total capital cost and Rs. 21.00 lakhs earmarked towards recurring cost/annum for environmental pollution control measures shall be judiciously utilized for implementation of conditions stipulated by Ministry of environment and Forests as well as State Government along with the implementation schedule for all the conditions stipulated herein. The funds so	Crores for running of 21.0 lakhs Sr. Items 1 Gas Tr 2 Fume 1 3 Smelte	polluti f the factor for Environment Systematic Careatment Careatm	cilities. Revironment	ol and appro ecurring cos al Pollution	opriate re t during o Control n	omplianc neasures. r	Alstom C/Thermax Thermax		Actual Cost (Crores) 310.52 58.17
ix)	As proposed, Rs. 405.00 crores for environmental management plan, Rs. 45.00 Lakhs towards total capital cost and Rs. 21.00 lakhs earmarked towards recurring cost/annum for environmental pollution control measures shall be judiciously utilized for implementation of conditions stipulated by Ministry of environment and Forests as well as State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any	Crores for running of 21.0 lakhs Sr. Items 1 Gas Tr 2 Fume 7 3 Smelte 4 Smelte 5 Pot hoo	polluti f the factor for Environment Systematic Careatment Careatm	cilities. Revironment	ol and appro ecurring cos al Pollution	opriate re t during o Control n	omplianc neasures. r	Alstom C/Thermax Thermax Rohan		Actual Cost (Crores) 310.52 58.17
ix)	As proposed, Rs. 405.00 crores for environmental management plan, Rs. 45.00 Lakhs towards total capital cost and Rs. 21.00 lakhs earmarked towards recurring cost/annum for environmental pollution control measures shall be judiciously utilized for implementation of conditions stipulated by Ministry of environment and Forests as well as State Government along with the implementation schedule for all the conditions stipulated herein. The funds so	Crores for running of 21.0 lakhs Sr. Items 1 Gas Tr 2 Fume 7 3 Smelte 4 Smelte 5 Pot hoo 6 Ventila	polluti f the factor for Environment System reatment Cr & CPP ETI r ETP Settline ods	cilities. Revironment	ol and appro ecurring cos cal Pollution	opriate re t during o Control n	omplianc neasures. r	Alstom C/Thermax Thermax Rohan		Actual Cost (Crores) 310.52 58.17 111.32
ix)	As proposed, Rs. 405.00 crores for environmental management plan, Rs. 45.00 Lakhs towards total capital cost and Rs. 21.00 lakhs earmarked towards recurring cost/annum for environmental pollution control measures shall be judiciously utilized for implementation of conditions stipulated by Ministry of environment and Forests as well as State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any	Crores for running of 21.0 lakhs Sr. Items 1 Gas Tr 2 Fume 7 3 Smelte 4 Smelte 5 Pot hoo 6 Ventila 7 Dust su	polluti f the factor in the for Environment System of the factor in the	cilities. Revironment	ol and appro ecurring costal Pollution	opriate re t during o Control n	omplianc neasures. r	Alstom C/Thermax Thermax Rohan dfab, Orient Colt		Actual Cost (Crores) 310.52 58.17
ix)	As proposed, Rs. 405.00 crores for environmental management plan, Rs. 45.00 Lakhs towards total capital cost and Rs. 21.00 lakhs earmarked towards recurring cost/annum for environmental pollution control measures shall be judiciously utilized for implementation of conditions stipulated by Ministry of environment and Forests as well as State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any	Crores for running of 21.0 lakhs Sr. Items 1 Gas Tr 2 Fume 1 3 Smelte 4 Smelte 5 Pot hoo 6 Ventila 7 Dust su 8 Hyper I	polluti f the factor for Environment Systement Cr & CPP ETI r ETP Settline ods ion System appression / Dense Phas	cilities. Revironment stem Center P ng Pond (Civil)	ol and appro ecurring costal Pollution	opriate re t during o Control n	omplianc neasures. r	Alstom C/Thermax Thermax Rohan dfab, Orient Colt n,Techmo, L&T		Actual Cost (Crores) 310.52 58.17
ix)	As proposed, Rs. 405.00 crores for environmental management plan, Rs. 45.00 Lakhs towards total capital cost and Rs. 21.00 lakhs earmarked towards recurring cost/annum for environmental pollution control measures shall be judiciously utilized for implementation of conditions stipulated by Ministry of environment and Forests as well as State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any	Crores for running of 21.0 lakhs Sr. Items 1 Gas Tr 2 Fume 7 3 Smelte 4 Smelte 5 Pot hoo 6 Ventila 7 Dust st 8 Hyper 1 9 ALPSY	polluti f the factor in the fa	cilities. Revironment stem Center P ng Pond (Civil) Bag filters (Sm	ol and approper curring cost al Pollution melter& CPP) PS) system)	opriate re t during o Control n	omplianc neasures. r	Alstom C/Thermax Thermax Rohan dfab, Orient Colt n,Techmo, L&T AP		Actual Cost (Crores) 310.52 58.17

The Regional Office of this Ministry at Bhopal /MPPCB/ SPCB will monitor the stipulated conditions. A six-monthly compliance report and the monitored data along with statistical interpretation should be submitted to them regularly. The company shall inform the public that the project has been accorded environmental	Compliance report is being submitted regularly to MoEFCC/MPPCB regular report was submitted on 30-November-2024.	0.58 1259.317 Ogy
/MPPCB/ SPCB will monitor the stipulated conditions. A six-monthly compliance report and the monitored data along with statistical interpretation should be submitted to them regularly. The company shall inform the public that the	14 SPL crusher bag filter Geocycle 15 Construction Of Sewer Line And Common Pit In Boiler And Esp Area And Sewer Line Upto Stp 16 Stp For Cpp Area Thermax 17 Pneumatic System For Ash Loading In Rakes From Silo DEVELOPMENT CONSULTANTS PRIVATE LIM 18 Air Cleaner at Conveyor Tunnel 3A/3B FLOWTECH INDUSTRIAL COMPANY Total Table 16 - Investment towards Pollution Control Equipment & Technology Compliance report is being submitted regularly to MoEFCC/MPPCB regular report was submitted on 30-November-2024.	0.75 0.40 1.49 TED 0.98 0.58 1259.317
/MPPCB/ SPCB will monitor the stipulated conditions. A six-monthly compliance report and the monitored data along with statistical interpretation should be submitted to them regularly. The company shall inform the public that the	15 Construction Of Sewer Line And Common Pit In Boiler And Esp Area And Sewer Line Upto Stp 16 Stp For Cpp Area 17 Pneumatic System For Ash Loading In Rakes From Silo 18 Air Cleaner at Conveyor Tunnel 3A/3B Total Table 16 - Investment towards Pollution Control Equipment & Technology Compliance report is being submitted regularly to MoEFCC/MPPCB regular report was submitted on 30-November-2024.	0.40 1.49 0.98 0.58 1259.317
/MPPCB/ SPCB will monitor the stipulated conditions. A six-monthly compliance report and the monitored data along with statistical interpretation should be submitted to them regularly. The company shall inform the public that the	15 And Esp Area And Sewer Line Upto Stp 16 Stp For Cpp Area 17 Pneumatic System For Ash Loading In Rakes From Silo 18 Air Cleaner at Conveyor Tunnel 3A/3B Total Table 16 - Investment towards Pollution Control Equipment & Techno Compliance report is being submitted regularly to MoEFCC/MPPCB regular report was submitted on 30-November-2024.	1.49 0.98 0.58 1259.317
/MPPCB/ SPCB will monitor the stipulated conditions. A six-monthly compliance report and the monitored data along with statistical interpretation should be submitted to them regularly. The company shall inform the public that the	17 Pneumatic System For Ash Loading In Rakes From Silo DEVELOPMENT CONSULTANTS PRIVATE LIM 18 Air Cleaner at Conveyor Tunnel 3A/3B FLOWTECH INDUSTRIAL COMPANY Total Table 16 - Investment towards Pollution Control Equipment & Technology Compliance report is being submitted regularly to MoEFCC/MPPCB regular report was submitted on 30-November-2024.	0.98 0.58 1259.317 Ogy
/MPPCB/ SPCB will monitor the stipulated conditions. A six-monthly compliance report and the monitored data along with statistical interpretation should be submitted to them regularly. The company shall inform the public that the	Total Table 16 - Investment towards Pollution Control Equipment & Technology Compliance report is being submitted regularly to MoEFCC/MPPCB regular report was submitted on 30-November-2024.	0.58 1259.317 Ogy
/MPPCB/ SPCB will monitor the stipulated conditions. A six-monthly compliance report and the monitored data along with statistical interpretation should be submitted to them regularly. The company shall inform the public that the	Table 16 - Investment towards Pollution Control Equipment & Technology Compliance report is being submitted regularly to MoEFCC/MPPCB regular report was submitted on 30-November-2024.	1259.317 ogy
/MPPCB/ SPCB will monitor the stipulated conditions. A six-monthly compliance report and the monitored data along with statistical interpretation should be submitted to them regularly. The company shall inform the public that the	Table 16 - Investment towards Pollution Control Equipment & Technology Compliance report is being submitted regularly to MoEFCC/MPPCB regular report was submitted on 30-November-2024.	ogy
/MPPCB/ SPCB will monitor the stipulated conditions. A six-monthly compliance report and the monitored data along with statistical interpretation should be submitted to them regularly. The company shall inform the public that the	Compliance report is being submitted regularly to MoEFCC/MPPCB regular report was submitted on 30-November-2024.	
/MPPCB/ SPCB will monitor the stipulated conditions. A six-monthly compliance report and the monitored data along with statistical interpretation should be submitted to them regularly. The company shall inform the public that the	Compliance report is being submitted regularly to MoEFCC/MPPCB regular report was submitted on 30-November-2024.	y. Last compliar
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clearance by the Ministry and the copies of the clearance letter are available with the MPPCB and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in. This should be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional Office.	i) Dainik Bhaskar, published from Satna, dated 15.04.2009 ii) Samay, published from Sidhi, dated 15.04.2009 The copy of the relevant portion of the newspapers have been submitted vi April 18, 2009. The copy of the relevant portion of the newspapers have been submitted vi April 18, 2009. The copy of the relevant portion of the newspapers have been submitted vi April 18, 2009. The copy of the relevant portion of the newspapers have been submitted vi April 18, 2009. The copy of the relevant portion of the newspapers have been submitted vi April 18, 2009. The copy of the relevant portion of the newspapers have been submitted vi April 18, 2009. The copy of the relevant portion of the newspapers have been submitted vi April 18, 2009. The copy of the relevant portion of the newspapers have been submitted vi April 18, 2009. The copy of the relevant portion of the newspapers have been submitted vi April 18, 2009. The copy of the relevant portion of the newspapers have been submitted vi April 18, 2009. The copy of the relevant portion of the newspapers have been submitted vi April 18, 2009. The copy of the relevant portion of the newspapers have been submitted vi April 18, 2009. The copy of the relevant portion of the newspapers have been submitted vi April 18, 2009. The copy of the relevant portion of the newspapers have been submitted vi April 18, 2009. The copy of the relevant portion of the newspapers have been submitted vi April 18, 2009. The copy of the relevant portion of the newspapers have been submitted vi April 18, 2009. The copy of the relevant portion of the newspapers have been submitted vi April 18, 2009. The copy of the relevant portion of the newspapers have been submitted vi April 18, 2009. The copy of the relevant portion of the newspapers have been submitted vi April 18, 2009. The copy of the relevant portion of the newspapers have been submitted vi April 18, 2009. The copy of the relevant portion of the newspapers have been submitted vi April 18, 2009. The copy of the relevant p	केंब्र, Or. 15-98-9009 रिक मेसर्स वित एकीकृत ग्रम तथा 750 रगडी पोस्ट- गाये जाने हेतु ।तन्य के पत्र IA II (1) ग्रम अनुमति ग्रीय अनुमति ग्रीय अनुमति देवण नियंत्रण दे तथा इसके न मत्रालय के उपलब्ध है।

xii)	The project authorities shall inform the Regional Office as well as the Ministry, the date of the financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	HIL has informed to concern Departments.
7.	The ministry may revoke or suspend the clearance, if implementation of any of the above condition is not satisfactory.	We are agreed with condition.
8.	The ministry reserves the right to stipulate additional condition if found necessary. The company in a time bound manner will implement these conditions.	We are agreed with condition.
9.	Any appeal against this environmental clearance shall lie with the national Environment Appellate Authority, if preferred within a period of 30 days as prescribed under Section 11 of the National Environmental Appellate Act, 1997.	We are agreed with condition.
10.	The above conditions will be enforced, interalia under the provision of the Water (Prevention & Control of Pollution) Act, 1974, The Air (Prevention & Control of Pollution) Act, The Environment (Protection) Act, 1986, The Hazardous Waste (Management and Handling) Rules, 2003 and The Public Liability Insurance Act, 1991 along with their amendments and rules	We are agreed with condition.
11.	The Environment Clearance letter issued vide even no. letter dated 2 nd January, 2009 may be treated as null and void.	We are agreed with condition.