

Environmental Clearance No.: SEIAA/GUJ/EC/3(a)/1613/2023 Dated: 13th Dec 2023

Name of the Project: EC to M/s. Hindalco Industries Limited for setting up of manufacturing plant of "Metallurgical Industries" at Plot No. 187/P & 187/P/1/B/2, 187/P & 187/P/1/B/3, 187/P & 187/P/1/B/4, 187/P & 187/P/1/B/5 & 187/P & 187/P/1/B/6 Waghodia GIDC, Taluka: Waghodia, District: Vadodara, Gujarat

List of Products

S. No	Name of the Product	Quantity
1	Copper Tube	50,000
2	Copper Rod, Copper Alloy Rod, Copper Wires & Copper Alloy Wires	24,000
Total (TPA)		74,000

Compliance Status: April 2024 to September 2024

EC Conditions:

S. No	EC Condition	Compliance
A1	Specific Condition	
1	PP shall take safety measures for workers against heat shock, burns, Flashing of Fire and Handling of Heavy equipment and heavy items of steel etc.	Noted and shall be complied with during commissioning phase. As the project is under construction phase.
2	Proponent shall comply all points of public hearing proceedings	Noted and shall be complied. The Action plan for public hearing proceeding is attached as Annexure 1
3	PP shall obtain fire permission from competent authority	As on date the Fire permission is not applicable to Hazardous Factories not covered under the Factories Act, 1948 vide notification No. GH/v/68 OF 2021/AGN-102021-100-L1 dated 08 th July, 2021 However, necessary fire precaution is being taken in the Construction Phase.
4	PP shall provide adequate APC measures for controlling PM, SO _x etc.	Noted and shall be complied during commissioning phase As the project is under construction phase.
5	PP shall comply with emergency measures and prepare action for any accident	To comply with emergency measures Onsite emergency plan has been prepared and we shall follow the action plan suggested in the onsite emergency plan.
6	PP shall prepare onsite emergency plan with relevant details	Onsite emergency plan has been prepared
7	PP shall provide recycling system for reusing of treated wastewater in premises	Noted and PP has proposed ZLD system and shall be complied during commissioning phase.
8	PP shall submit details for various mitigative measures for controlling dusting during handling and transportation of Slag and Scrap	Noted and will be complied during commissioning of the project. At present project is under construction phase

S. No	EC Condition	Compliance
9	PP shall carry out preventive maintenance schedule and plan to be included	Noted. At present the project is under construction phase, the same shall be complied during commissioning phase.
10	PP shall not carry out any expansion or increase in production capacity (74,000 MTA) without appropriate permission from competent authority	Noted and complied
11	All the issues raised during public hearing and commitment made by the project proponent shall be complied in letter and spirit	Noted and shall be complied. The Action plan for public hearing proceeding is attached as Annexure 1
12	The National Ambient Air Quality Emission standards issued by the Ministry vide G.S.R. No. 826 (E) dated 16 th November 2009 shall be complied with	Noted. At present the project is under construction phase, the same shall be complied during commissioning of the project.
13	Unit shall have to adhere to the prevailing area specific policies of GPCB with respect to the discharge of pollutants and shall carry out the project development in accordance & consistence with the same	Noted. At present project is under construction phase, the same shall be complied during commissioning of the project.
14	The Project proponent must strictly adhere to the stipulation made by the Gujarat Pollution Control Board, State Government and/or other statutory authority	Noted and shall be complied
15	All measures shall be taken to avoid ground water and soil contamination within premises	Noted and will be complied during commissioning of the project. At present project is under construction phase
16	PP shall adopt renewable energy like installation of solar panel or solar light etc. for proposed project	Noted and shall be complied during commissioning phase. At present project is under construction phase.
17	PP shall install secondary fume extraction at induction furnace area as per details submitted by PP	Noted and shall be complied during commissioning phase. At present project is under construction phase
18	Unit shall install CEMS (Continuous Emission Monitoring system) in line to CPCB directions to all SPCB vide lette no. B-29016/04/06PCI-1/5401 dated 05/12/2014 for effluent discharge and air emission as per pollutants discharge/emission from respective project and an arrangement shall also be done for reflecting the online monitoring results on the company's sever, which can be assessable by the GPCB/CPCB on real time basis. (For	Noted and shall be complied during commissioning phase. At present project is under construction phase


S. No	EC Condition	Compliance
	small/large/medium (Red category) & whichever (Air emission & effluent discharge) is applicable	
A2	Water	
19	Total water requirement for the project shall not exceed 1808 KLD. Unit shall reuse 292 KLD of treated effluent within premises. Hence freshwater requirement shall not exceed 1516 KLD and it shall be met through GIDC water supply only. Prior permission from concerned authority shall be obtained for procurement of water	Noted and shall be complied during commissioning phase. At present project is under construction phase
20	The industrial effluent generation from the project shall not exceed 285 KLD	Noted and shall be complied during commissioning of the project. At present project is under construction phase.
21	Management of Industrial effluent shall be as under 285 KLD of industrial effluent generated from cooling (275 KLD) and washing (10 KLD) shall be treated into ETP and treated effluent shall be reused in cooling tower and thus there shall be no discharge of any industrial effluent into an environment like drain, land etc. and shall maintain Zero liquid discharge (ZLD).	Noted and shall be complied during commissioning phase. At present project is under construction phase
22	Domestic wastewater generation shall not exceed 22 KL /day for proposed projects, and it shall be treated in STP. It shall not be disposed off into soak pit. Treated sewage shall be utilized for gardening and plantation purpose within premises after achieving on land discharge norms prescribed by the GPCB	Noted and shall be complied during commissioning of the project. At present project is under construction phase.
23	During monsoon season when treated sewage may not be required for the Plantation/gardening/greenbelt purpose, it shall be stored within premises. There shall be no discharge of wastewater outside the premises in any case.	Noted and shall be complied during commissioning phase. At present project is under construction phase
24	Unit shall provide buffer storage tank of adequate capacity for storage of treated wastewater during rainy days	Noted and shall be complied during commissioning phase. At present project is under construction phase
25	Complete Zero Liquid Discharge (ZLD) status shall be maintained	Noted and shall be complied during commissioning of the project.


S. No	EC Condition	Compliance																																				
	all the time and there shall be no drainage connection from the premises	At present project is under construction phase																																				
26	Unit shall provide STP and ETP with adequate capacity	Noted and shall be complied during commissioning phase. At present project is under construction phase																																				
27	The unit shall provide metering facility at the inlet and outlet of ETP and maintain records for the same	Noted and shall be complied during commissioning phase. At present project is under construction phase																																				
28	Proper logbooks of ETP, reuse/recycle of treated/untreated effluent, chemical consumption in effluent treatment quantity & quality of treated effluent, power consumption etc. shall be maintained and shall be furnished to the GPCB from time to time	Noted and shall be complied during commissioning phase. At present project is under construction phase																																				
A3	Air																																					
29	Unit shall not exceed fuel consumption for copper tube-melting and casting furnace, metal transfer launder, Copper Alloy- melting and casting furnace and DG set as mentioned below	Noted and will be complied during commissioning of the project. At present project is under construction phase																																				
	<table border="1"> <thead> <tr> <th>S. No.</th> <th>Source of emission with capacity</th> <th>Stack Height (Meter)</th> <th>Type of Fuel</th> <th>Quantity of Fuel</th> <th>Type of emission i.e. Air Pollutants</th> <th>Air Pollution Control Measures (APCM)</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Copper Tube-Melting and Casting Furnace of each set 29098 TPA (2 set) Total Capacity 58196 TPA</td> <td rowspan="2">30</td> <td>Electrical</td> <td>124800 Kwh/day</td> <td rowspan="2">PM, NOx</td> <td rowspan="2">Bag Filter</td> <td rowspan="2"></td> </tr> <tr> <td>2</td> <td>Metal launder (4 nos.)</td> <td>Natural Gas</td> <td>10 M3/hr per launder</td> </tr> <tr> <td>3</td> <td>Copper/Copper Alloy-Melting & Casting furnace Capacity of each set 6000 TPA (4 nos.) Total Capacity: 24000 TPA</td> <td>30</td> <td>Electrical</td> <td>31104 Kwh/Day</td> <td>PM</td> <td>Bag Filter</td> <td></td> </tr> <tr> <td>4</td> <td>DG Set for Emergency power Backup</td> <td>30</td> <td>Diesel</td> <td>840 litre/hr</td> <td>PM, SOx, NOx</td> <td>Adequate stack height will be provided</td> <td></td> </tr> </tbody> </table>	S. No.	Source of emission with capacity	Stack Height (Meter)	Type of Fuel	Quantity of Fuel	Type of emission i.e. Air Pollutants	Air Pollution Control Measures (APCM)	Remarks	1	Copper Tube-Melting and Casting Furnace of each set 29098 TPA (2 set) Total Capacity 58196 TPA	30	Electrical	124800 Kwh/day	PM, NOx	Bag Filter		2	Metal launder (4 nos.)	Natural Gas	10 M3/hr per launder	3	Copper/Copper Alloy-Melting & Casting furnace Capacity of each set 6000 TPA (4 nos.) Total Capacity: 24000 TPA	30	Electrical	31104 Kwh/Day	PM	Bag Filter		4	DG Set for Emergency power Backup	30	Diesel	840 litre/hr	PM, SOx, NOx	Adequate stack height will be provided		
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30	PP shall use approved fuels only as fuel in copper tube-melting and casting furnace, metal transfer launder, Copper Alloy-melting and casting furnace and DG Set	Noted and shall be complied during commissioning phase At present project is under construction phase																																				
31	Unit shall provide adequate APCM with flue gas generation source to achieve the norms prescribed by GPCB	Noted and shall be complied during commissioning phase of the project. At present project is under construction phase																																				




S. No	EC Condition	Compliance		
32	Unit shall provide adequate APCM with process gas generation source as mentioned below.	Noted and shall be complied during commissioning phase. At present project is under construction phase		
S. No	Specific Source of emission (Name of the Products & Process)	Type of Emission	Stack/vent Height (meter)	Air Pollution Control Measures (APCM)
1	Inline IGT annealer (4 nos.)	Fumes	11	Fume Extraction System
2	Inner Groove Tube Machine	Fumes	11	Fume Extraction System
3	Bright Annealing Furnace	Fumes	11	Fume Extraction System
33	The fugitive emission in the work zone environment shall be monitored. The emission shall conform the standard prescribed by the concerned authorities from time to time. (e.g. Directors of Industrial safety and Health) following indicative guideline shall also be followed to reduce the fugitive emission.			
	<ul style="list-style-type: none"> Internal road shall be either concreted or paved properly to reduce the fugitive emission during vehicular movement 			Noted and shall be complied during commissioning phase. At present project is under construction phase
	<ul style="list-style-type: none"> Air borne dust shall be controlled with water sprinklers at suitable locations in the plant 			Noted and shall be complied during commissioning phase. At present project is under construction phase
	<ul style="list-style-type: none"> A greenbelt shall be developed all around the plant boundary and along the roads to mitigate fugitive & transport dust emission 			Noted. 55,538 sqm i.e. 33% of the total plot area will be developed as greenbelt area. To meet the requirement of 2500 nos. of Tree per Ha, a total of 13,875 nos. of trees shall be planted within the plant premises. Plantation work has been completed in 10000 sqm area in which 2500 nos. of trees have already been planted
34	Regular Monitoring of Volatile Organic Compound (VOCs) shall be carried out in the work zone area and ambient air			Not Applicable, as it is a metallurgical project & there is no emission of VOC from proposed project.
35	Regular monitoring of ground level concentration of PM ₁₀ , PM _{2.5} , SO ₂ , NO _x and fumes shall be carried out in the impact zone and its record shall be maintained. Ambient air quality level shall not exceed the standard stipulated by the GPCB. If at any stage these levels are found to exceed the prescribed limit, necessary additional control measures shall be taken immediately. The location of			At present the project is under construction phase and the ambient air quality monitoring and Noise monitoring at site has been carried out by NABL accredited laboratory. The monitoring results of ambient air quality at site is attached as Annexure 2




S. No	EC Condition	Compliance			
	station and frequency of monitoring shall be decided in consultation with the GPCB				
A4	Solid/Hazardous Waste				
36	All the hazardous /solid waste management shall be taken care as mentioned below.	Noted and shall be complied during commissioning phase. At present project is under construction phase			
S. No	Type/Name of Hazardous waste	Specific Source of generation (Name of the Activity, Product etc.)	Category and Schedule as per HW Rules	Quantity	Management of HW
1	ETP sludge & Salt	Blowdown water	35.3	1277.5	Disposal Through approved agencies
2	Process Residue	Melting Furnace	8.2	10	Disposal Through approved agencies, Co-processing in cement plant
3	Oil Contaminated cotton waste & rags	Used from operation & maintenance	33.2	10	Disposal Through approved agencies, Co-processing in cement plant
4	Used Oil	Process	5.1	159	Disposal Through approved agencies or sale to authorized agency
5	Used Cleaning Liquid	Process	8.1	228	Disposal through approved agencies or sale to authorized agency or co-processing
6	Filter media	ETP, STP, RO plant, compressor	8.2	1	Disposal through approved agencies, Co-processing in cement plant
7	Refractory waste in shutdown	Furnace	-	65	Disposal through approved agencies
8	Composite/combined material – Rubber, Oil Seal Kit, Cord	Hydraulic System	--	11	Disposal through approved agencies
9	Used Emulsion	Process	5.2	65	Disposal through approved agencies or sale to Authorized recycler agency
10	Used container (oil & grease drum, barrer)	Lubricated grease & Oil, Cleaning Oil	33.1	84 (nos.)	Sale to Authorized recycler agency
11	Flue gas dust & other	Furnace	--	1	Disposal through approved agencies
12	Worn Graphite Crucible	Furnace	--	4	Disposal through approved agencies
13	Graphite Dust	Furnace	--	1	Disposal through approved agencies
NON-HAZARDOUS WASTE MANAGEMENT MATRIX					
S. No	Type/Name of Non-hazardous waste	Specific Source of generation (Name of the activity, product, etc)	Quantity (MT/Annum)	Management of NHW	
1	Wooden Waste	Packing Material	36	Disposal through approved agencies	
2	STP Sludge	STP	75	Use as manure in gardening	
37	Authorized end user shall have permission from the concerned authorities under the Rule 9 of Hazardous and other waste (Management and Transboundary Movement) Rules 2016 (if applicable)	The provisional membership for Hazardous waste disposal has been obtained from BEIL infrastructure Limited. Copy of membership is attached as Annexure 3			
38	Unit shall explore the possibilities for environment friendly method like co-processing of hazardous waste for disposal of incinerable	Noted and shall be complied during commissioning phase. At present project is under construction phase			



S. No	EC Condition	Compliance
	& land fillable waste before sending to CHWIF & TSDF sites respectively (If applicable)	
39	The project proponent has to obtain membership of TSDF site & CHWIF before obtaining CTO of GPCB (If applicable)	The provisional membership for Hazardous waste disposal has been obtained from BEIL infrastructure Limited. Copy of membership is attached as Annexure 3
40	STP sludge shall be collected and used as manure in gardening activity or send to TSDF site for landfilling.	Noted and shall be complied during commissioning phase. At present project is under construction phase
41	Entire quantity of process slag generated from manufacturing plant shall be either used to land filling or sold to actual end users and record shall be maintained	Not applicable as there is no generation of slag from our manufacturing facility
A5	Others	
42	<p>The project proponent shall carry out the activities of amount of Rs. 5.58 Crores (Rooftop Solar panel for</p> <p>Anganwadi, Primary School and Health Centre at Junarapura, Limda, Dolar, Alva, Gajadara and Nava Ajva, Solar Street light for self-sustaining green technology at Limda, Ishwarpura, Waghodia, Gajadara and Nava Ajwa, Roof top rain water harvesting at Junarapura, Limda, Dolar, Alva, Gajadara and Nava Ajva, Community tree plantation at Kamlapura, Limda, waghodia, Chitha, Dholar, Vejalpur and Deepening and beautification of village pond at Vejalpur, Tavra, Madodhar, Akhadiyapura, Limda, Ishwarpura, Timdi) proposed under CER and it shall be part of Environment Management Plan (EMP) as per the MOEF&CC OM no. F. No. 22-65/2017-IA.III dated 30.09.2020. This shall be monitoring and the monitoring report shall be submitted to the regional office of MoEF&CC as a part of half yearly compliance report and to the District Collector, The monitoring report shall be posted on the website of the project proponent.</p>	<p>Noted and shall be complied.</p> <p>At present as project is under construction phase, Hindalco Industries Limited has started approaching nearby villages to carry out the CER activities. Storm water drainage work is carried out by the company</p>
43	As proposed, at least 0.03 Crore shall be allotted for the conservation plan Schedule I	The conservation plan for schedule I species has prepared and submitted to Principal Chief Conservator of Forest for further approval. The budget for the conservation plan will be allotted

S. No	EC Condition	Compliance
	species (in case of Schedule I Species)	based on EC and as further approval from the State Forest Department.
44	The activities and the action plan proposed by the project proponent to address the socio economic and public hearing issues in the study area shall be completed as per the schedule presented before committee and as described in the EMP report in letter and spirit	Noted and shall be complied. The Action plan for public hearing proceeding is attached as Annexure 1
45	All recommendation, mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project proponent by M/s. Kadam Environmental Consultants and submitted by the project proponent and commitment during Presentation before SEAC and proposed in the EIA report shall be strictly adhered to in letter and spirit	Noted and shall be complied.
B GENERAL CONDITION		
B1 Construction Phase		
46	Water demand during construction shall be reduced by use of curing agent, super plasticizers, and other best construction practice	To reduce the water demand we have carried out following. 1. Proposed project will install PEB structure instead of RCC to make equivalent water requirement Nil. 2. Wherever non-critical construction activities are there water curing agent will be added without compromising the concrete strength.
47	Project proponent shall ensure that surrounding environment shall not be affected due to construction activity. Construction materials shall be covered during transportation and regular water sprinkling shall be done in vulnerable areas for controlling fugitive emission	Noted and complied 
48	All required sanitary and hygienic measures shall be provided before starting the construction activities and to be maintained throughout the construction phase	All required sanitary and hygienic measure is provided at construction site.

S. No	EC Condition	Compliance
		
49	First aid box shall be made readily available in adequate quantity at all the times	First aid box is made available at site.
50	The project proponent shall strictly comply with the building and other construction workers (Regulation of Employment & Conditions of service) Act 1996 and Gujarat rules made there under and their subsequent amendment. Local bye laws of concern authority shall be complied in letter and spirit	Noted and complied.
51	Ambient noise level shall conform to residential standard both during day and night. Incremental pollution load on the ambient air and noise quality shall be closely monitored during construction phase.	At present the project is under construction phase and the ambient air quality monitoring and Noise monitoring at site has been carried out by NABL accredited laboratory. The monitoring results of ambient air quality at site is attached as Annexure 2
52	Use of Diesel Generator (DG) sets during construction phase shall be strictly equipped with acoustic enclosure and shall conform to the EPA rules for air and Noise emission standard	Power supply has been provided by MGVCL at site and DG set has not been used at site till March 2024. However, for future during construction phase if DG will be used then it shall conform to EPA rules for air and noise emission standard.
53	Safe disposal of wastewater and municipal solid waste generated during the construction phase shall be ensured	Proper sanitation facility has been provided at site. Soakpit has been provided at site for disposal of wastewater and municipal solid waste is disposed through Vadodara Municipal corporation only.
54	All topsoil excavated during construction activity shall be used in horticulture /landscape development within project site	All fertile topsoil excavated during the construction activity is stored properly at site and shall be used for horticulture/Landscape development within the project site and other soil shall be used for backfilling.

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		 <p>Waghodia, GJ, India GIDC Road, Waghodia Industrial Area, Waghodia, 391760, GJ, India Lat 22.296173, Long 73.385512 02/20/2024 12:11 PM GMT+05:30 Note - Captured by GPS Map Camera</p>	 <p>Waghodia, GJ, India Waghodia Industrial Area, Waghodia, 391760, GJ, India Lat 22.297067, Long 73.383392 02/20/2024 12:18 PM GMT+05:30 Note - Captured by GPS Map Camera</p>
55	<p>Excavated earth to be generated during construction phase shall be utilized within the premises to the maximum extent possible and balance quantity of excavated earth shall be disposed-off with the approval of competent authority after taking the necessary precaution for general safety and health aspects. Disposal of excavated earth during construction phase shall not create adverse effect on neighboring communities</p>	<p>Noted and Complied</p> 	
56	<p>Project proponent shall ensure use of eco-friendly building material including fly ash bricks, fly ash paver block, Ready mix Concrete (RMC) and lead-free paints in the project</p>	<p>The solid concrete block used for the construction has 20% of fly ash content and lead-free paints has been used for the project</p>	
57	<p>Fly ash shall be used in construction wherever applicable as per provision of Fly ash Notification under the E P Act 1986 and its subsequent amendment time to time</p>	<p>Noted and complied</p>	
58	<p>Wind-breaker of appropriate height i.e. 1/3rd of the building height and maximum up to 10 meters shall be provided. Individual building within project site shall also be provided with barricades</p>	<p>The construction activities within plant premises started only after construction of boundary wall with height more than 13 ft.</p>	

S. No	EC Condition	Compliance
59	No uncovered vehicle carrying construction material and waste shall be permitted	Noted and complied
60	No loose soil or sand or construction and demolition waste or any other construction material that cause dust shall be left uncovered. Uniform piling and proper storage of sand to avoid fugitive emission shall be ensured.	<p>Loose and excavated soil is covered with the tarpaulin to avoid the dust pollution.</p> 
61	Road leading to or at construction site must be paved and blacktopped (i.e. Metallic Road)	<p>The approach road to construction site is paved and blacktopped. Noted and Complied</p> 
62	No excavation of Soil shall be carried out without adequate dust mitigation measures in place.	Regular water sprinkling was done prior to excavation of soil
63	Dust mitigation measures shall be displayed prominently at the construction site for easy public viewing	<p>Dust mitigation measures are displayed prominently at the construction site.</p> 

S. No	EC Condition	Compliance
		
64	Grinding and cutting of building material in open area shall be prohibited	Noted and complied. Dedicated covered area has provided for grinding and cutting of building material within construction site.
65	Construction material and waste should be stored only within earmarked area and roadside storage of construction material and waste shall be prohibited	<p data-bbox="711 623 1390 709">Construction site has allotted dedicated area for construction material as well as for storage of waste within the plant premises.</p> <div data-bbox="699 741 1377 1056">  </div> <p data-bbox="829 1062 1243 1094">Scrap yard/Storage of waste material</p>
66	Construction and demolition waste processing and disposal site shall be identified and required dust mitigation measures be notified the site (if applicable)	Noted and will be complied
B2 OPERATION PHASE		
B 2.1	Water	
67	The water meter shall be installed, and records of daily and monthly water consumption shall be maintained	Noted and shall be complied during commissioning phase. At present project is under construction phase
68	All efforts shall be made to optimize water consumption by exploring Best Available Technology (BAT). The unit shall continuously strive to reduce, recycle and reuse the treated effluent	Noted and shall be complied during commissioning phase. At present project is under construction phase
B 2.2	Air	
69	In case of use of spray dryer, the unit shall provide the adequate & efficient APCMs with spray dryer so that there should not be any adverse impact on human health	Noted and shall be complied during commissioning phase. At present project is under construction phase

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	<p>& environment. Unit shall carry out third party monitoring of the proposed spray dryer & its APCM through the credible institute and study report for impacts on Environment and human health shall be submitted to GPCB every year along with half yearly compliance report</p>	
70	<p>Acoustic enclosure shall be provided to the DG sets (if applicable) to mitigate the noise pollution and shall conform to the EPA Rules for air and noise emission standards</p>	<p>Noted and shall be complied during commissioning phase. At present project is under construction phase</p>
71	<p>Stack/vent (whichever is applicable) of adequate height shall be provided as per the prevailing norms for flue gas emission /process gas emission</p>	<p>Noted and shall be complied during commissioning phase. At present project is under construction phase</p>
72	<p>Flue gas emission & process gas emission (if any) shall conform to the standard prescribed by the GPCB/CPCB/MoEF&CC. At no time, emission level should go beyond the stipulated standards</p>	<p>Noted and shall be complied during commissioning phase. At present project is under construction phase</p>
73	<p>All the reactors/vessels used in the manufacturing process shall be closed to reduce the fugitive emission</p>	<p>Noted and shall be complied during commissioning phase. At present project is under construction phase</p>
B 2.3	<p>Hazardous / Solid waste</p>	
74	<p>The company shall strictly comply with the rules and regulations with regards to handling and disposal of hazardous waste in accordance with the hazardous and other wastes (Management and Transboundary Movement) Rules 2016, as may be amended from time to time. Authorization of the GPCB shall be obtained for collection /treatment /storage/disposal of hazardous waste</p>	<p>Noted and shall be complied during commissioning phase. At present project is under construction phase</p>
75	<p>Hazardous wastes shall be dried, packed, and stored in separate designated hazardous waste storage facility with pucca bottom and leachate collection facility before its disposal</p>	<p>Noted and shall be complied during commissioning phase. At present project is under construction phase</p>
76	<p>The unit shall obtain necessary permission from the nearby TSDF site and CHWIF (whichever is applicable)</p>	<p>Noted and shall be complied during commissioning phase. At present project is under construction phase</p>

S. No	EC Condition	Compliance
77	Trucks/Tankers used for transportation of hazardous waste shall be in accordance with the provision under the motor Vehicle Act, 1988 and rules made there under	Noted and shall be complied during commissioning phase. At present project is under construction phase
78	The design of the Truck/Tankers shall be such that there is no spillage during transportation	Noted and shall be complied during commissioning phase. At present project is under construction phase
79	All possible efforts shall be made for co-processing of the hazardous waste prior to disposal into TSDF/CHWIF	Noted and shall be complied during commissioning phase. At present project is under construction phase
80	Management of fly ash (if any) shall be as per the Fly Ash Notification 2009 & its amendment time to time and it shall be ensured that there is 100% utilization of fly ash to be generated from the Unit.	Noted and shall be complied during commissioning phase. At present project is under construction phase
B 2.4	SAFETY	
81	Requisite on-site and Off-site Disaster Management Plans have to be prepared and implemented	Noted and shall be complied during commissioning phase. At present project is under construction phase and adequate safety measures are being taken during construction phase also
82	Sufficient no. of fire extinguisher shall be provided near the plant and storage area	Noted and shall be complied during commissioning phase. At present project is under construction phase
83	The Project management shall ensure to comply with all the environmental protection measures, risk mitigation measures and safeguard mentioned in the Risk Assessment report	Noted and shall be complied during commissioning phase. At present project is under construction phase
84	Only flame proof electrical fitting shall be provided in the plant premises	Noted and shall be complied during commissioning phase. At present project is under construction phase
85	Tie shall be done to nearby health care unit/doctor for seeking immediate medical attention in the case of emergency	Noted and shall be complied during commissioning phase. At present project is under construction phase
86	Personal protective equipment like heat resistance suit shall be provided to workers and its usages shall be ensured and supervised	Noted and shall be complied during commissioning phase. At present project is under construction phase
87	First Aid Box shall be made readily available in adequate quantity	First Aid Box is available all the time at site
88	Training shall be imparted to all the workers on safety and health aspect of chemical handling	Noted and shall be complied during commissioning phase. At present project is under construction phase
89	Occupation Health surveillance of the workers shall be done, and its	Noted and shall be complied during commissioning phase. At present project is under construction phase

S. No	EC Condition	Compliance
	record shall be maintained. Pre-employment and periodic medical examination for all the workers shall be undertaken as per the Factories Act and Rules.	
90	The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report	Noted and shall be complied during commissioning phase. At present project is under construction phase
91	Necessary permission from various statutory authorities like Factory Inspectorate and other shall be obtained prior to commissioning of the project if applicable	Noted and shall be complied during commissioning phase. At present project is under construction phase
92	The occupier/ manager shall strictly comply with the provision made under the Factory Act 1948 and Gujarat Factories Rules 1963	Noted and shall be complied during commissioning pof the project. At present project is under construction phase
93	The project authorities shall strictly comply with the provision made in manufacture, storage and import of Hazardous Chemical Rules (MSIHC)1989, as amended time to time and public liability Insurance Act for handling hazardous chemical etc. Necessary approval from the Chief controller of Explosive and concerned Govt. Authorities shall be obtained before commissioning of the project. Requisite on-site and off-site Disaster Management Plan have to be prepared and implemented	Noted. Necessary approvals shall be obtained prior to commissioning phase. At present project is under construction phase and the same is taken into consideration.
94	Main entry and exit shall be separate and clearly marked in the facility	Complied, unit has given separately entry and exit gate facility
95	Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/emergency vehicle around the premises,	Noted and complied
96	Storage of flammable chemicals shall be sufficiently away from the production area	Noted and shall be complied during commissioning phase. At present project is under construction phase
97	All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic /hazardous chemicals	Noted and shall be complied during commissioning phase. At present project is under construction phase
98	All toxic/hazardous chemicals shall be stored in optimum quantity and all necessary permission in this regard shall be	Noted and shall be complied during commissioning phase. At present project is under construction phase

S. No	EC Condition	Compliance
	obtained before commencing the expansion activities	
99	Storage of hazardous chemical shall be minimized and it shall be in multiple small capacity tanks /containers instead of one single large capacity tank/container	Noted and shall be complied during commissioning phase. At present project is under construction phase
100	All the storage tanks shall be filled with appropriate control to avoid any leakage. Bund/dyke walls shall be provided for storage tank of hazardous chemicals	Noted and shall be complied during commissioning phase. At present project is under construction phase
101	Handling and charging of the chemicals shall be done in closed manner by pumping or by vacuum transfer so that minimum human exposure occurs	Noted and shall be complied during commissioning phase. At present project is under construction phase
102	First Aid Box and required Antidots for the chemicals used in the unit shall be made readily available in adequate quantity	Complied Adequate first aid box is readily available within premises.
103	Transportation of hazardous chemicals shall be done as per the provision of the Motor Vehicle Act & Rules	Noted and shall be complied during commissioning phase. At present project is under construction phase
B 2.5	Noise	
104	The overall noise level in and around the plant area shall be kept within the standards by providing noise control measures including engineering controls like acoustic insulation hoods. Silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall conform to the standard under The Environment (Protection) Act, 1986 & Rules	Noted and complied. Copy of Noise monitoring results are attached as Annexure 2
105	Noise levels shall be reduced by the use of adequate mufflers on all motorized equipment	Noted and shall be complied during commissioning of the project. At present project is under construction phase
106	To minimize the noise pollution the following noise control measures shall be implemented	
	Selection of any new plant equipment shall be made with specification of low noise levels	Noted and shall be complied during commissioning phase. At present project is under construction phase
	Manufacturers/suppliers of major noise generating machines /equipment like air compressors, feeder pumps, turbine generators, etc shall be instructed to make required design	Noted and shall be complied during commissioning phase. At present project is under construction phase

S. No	EC Condition	Compliance
	modification wherever possible before supply and installation to mitigate the noise generation and to comply with the national/international regulatory norms with respect to noise generation for individual units	
	Regular maintenance of machinery and vehicle shall be undertaken to reduce the noise impact	Noted and shall be complied during commissioning phase. At present project is under construction phase
	Noise suppression measures such as enclosures, buffers and /or protective measures shall be provided	Noted and shall be complied during commissioning phase. At present project is under construction phase
	Employee shall be provided with ear protection measures like earplugs or earmuffs	Noted and shall be complied during commissioning of the project. At present project is under construction phase
	Proper oiling, lubrication and preventive maintenance shall be carried out of the machineries and equipment to reduce the noise generation	Noted and shall be complied during commissioning phase. At present project is under construction phase
	Construction equipment generating minimum noise and vibration shall be chosen	Noted and shall be complied
	Ear plug and /muffs shall be made compulsory for the construction workers working near the noise generating activities /machines /equipment	Noted and shall be complied during commissioning phase. At present project is under construction phase
	Vehicles and construction equipment with internal combustion engines without proper silencer shall not be allowed to operate	Noted and same is complied during construction phase
	Construction equipment meeting the norms specified by EP Act, 1986 shall only be used	Noted and same is complied during construction phase
	Noise control equipment and baffling shall be employed on generator especially when they are operated near the residential and sensitive areas	Noted and shall be completed during commissioning phase. At present project is under construction phase
B 2.6	Cleaner Production and Waste minimization	
107	The unit shall undertake the cleaner production assessment study through reputed institute/organization and shall form a CP team in the company. The recommendation thereof along with the compliance shall be furnished to GPCB.	Noted and shall be complied during commissioning phase. At present project is under construction phase

S. No	EC Condition	Compliance
108	The company shall undertake various waste minimization measures such as	
A	Metering and control of quantities of active ingredient of minimize waste	Noted and shall be complied during commissioning of the project. At present project is under construction phase
B	Reuse of by products from the process as raw material or as raw material substitutes	Noted and shall be complied during commissioning phase. At present project is under construction phase
C	Use of automated and close filling to minimize spillage	Noted and shall be complied during commissioning phase. At present project is under construction phase
D	Use of close fees system into batch reactors	Noted and shall be complied during commissioning phase. At present project is under construction phase
E	Venting equipment through vapor recovery system	Noted and shall be complied during commissioning phase. At present project is under construction phase
F	Use of high-pressure hoses for cleaning to reduce wastewater generation	Noted and shall be complied during commissioning phase. At present project is under construction phase
G	Recycling of washes to subsequent batches	Noted and shall be complied during commissioning phase. At present project is under construction phase
H	Recycling of steam condensate	Noted and shall be complied during commissioning phase. At present project is under construction phase
I	Sweeping /mopping of floor instead of floor washing to avoid effluent generation	Noted and shall be complied during commissioning phase. At present project is under construction phase
J	Regular preventive maintenance for avoiding leakage, spillage etc	Noted and shall be complied during commissioning phase. At present project is under construction phase
B 2.7	Greenbelt and other Plantation	
109	The unit shall develop greenbelt within premises as per the CPCB guideline. However, if the adequate land is not available within premise, the unit shall take up adequate plantation on road sides and suitable open areas in GIDC estate or any other open areas in consultation with GIDC/GPCB and submit an action plan of plantation for next three years to GPCB	Noted. 55,538 sqm i.e. 33% of the total plot area will be developed as greenbelt area. To meet the requirement of 2500 nos. of Tree per Ha, a total of 13,875 nos. of trees shall be planted within the plant premises. Plantation work has been completed in 10000 sqm area in which 2500 nos. of trees have already been planted
110	Drip irrigation /low volume, low angle sprinkler system shall be used for greenbelt development within the premises	Noted and shall be complied during commissioning phase. At present project is under construction phase
111	The PP shall develop greenbelt within premises (55538 sqm i.e. 33% of the total plot area) as submitted before SEAC. Greenbelt shall be developed with native plant species that are significant and used for the pollution abatement as per the CPCB guideline. It shall be implemented	Noted. 55,538 sqm i.e. 33% of the total plot area will be developed as greenbelt area. To meet the requirement of 2500 nos. of Tree per Ha, a total of 13,875 nos. of trees shall be planted within the plant premises. Plantation work has been completed in 10000 sqm area in which 2500 nos. of trees have already been planted

S. No	EC Condition	Compliance
	within 3 years of operation phase in consultation with GPCB	
B3	Other conditions	
112	PP shall carry out the safety audit and Risk assessment Report as per the prevailing guideline of safety	Noted and shall be complied during commissioning of the project. At present project is under construction phase
113	Management of Fly Ash shall be as per the Fly Ash Notification 2009 & its amendment from time to time and it shall be ensured that there is 100% utilization of fly ash to be generated from the unit	Not applicable as there is no generation of fly ash within plant premises.
114	EMP Should invariably include provision for environmental monitoring and measures for noise pollution control measures	Noted and shall be complied during commissioning phase. At present project is under construction phase
115	In EMP proponent should separately indicate majors of occupational health, fire and safety measures	Noted and shall be complied during. At present project is under construction phase
116	Prior EC is granted is subject to the proponent receiving all statutory permission/clearance /certificate and membership of respective agencies/ authorities whichever applicable. Proponent shall inform progress time to time, in six monthly compliance report of MOEF&CC/SEIAA/SEAC/GPCB failing which this provisional EC will stand withdrawn.	All statutory permission/clearances whichever as and when applicable during construction phase shall be taken.
117	All transport movement by tankers etc. has to be done with maintenance of gate pass and logbook it should be verified by the inspecting authorities	Noted and shall be complied during commissioning phase. At present project is under construction phase
118	Non-hazardous waste data shall be informed to GPCB time to time do as to make an assessment and tie-up with industry for generating sustainable power from waste	Noted and shall be complied during commissioning phase. At present project is under construction phase
119	EMP should include STP and detail cost including maintenance, transportation of wastewater to CETP/CMEE etc as well as transportation cost of transit cost.	Noted and shall be complied during commissioning phase. At present project is under construction phase
120	In LDAR preventive and predictive maintenance plan	Not applicable as there is no storage or handling of solvents within plant premises.
121	In LDAR leakage component, source of equipment leak,	Not applicable as there is no storage or handling of solvents within plant premises.

S. No	EC Condition	Compliance
	detention method should be given in table form.	
122	In storage component should be shown separately in terms whether inflammable toxic, corrosive, reactive etc.	Noted and shall be complied during commissioning phase. At present project is under construction phase
123	In case of Fly ash generation its management and disposal should be as per Government of India Notification and 100% utilization should be ensures	Not applicable as there is no generation of fly ash within plant premises.
124	Project proponent shall install all environment management systems as per CPCB/GPCB directive regarding the effluent discharge and air emission in working condition	Noted and shall be complied during commissioning phase. At present project is under construction phase
125	Project proponent shall display the copy of environmental clearance at the prominently	Noted and shall be complied during commissioning phase. At present project is under construction phase
126	Project Proponent shall prepare and follow regular and preventive maintenance plan. The copy of the same shall be submitted to SEIAA	Noted and shall be complied during commissioning phase. At present project is under construction phase
127	Project proponent will have to display the safety procedure in working area	Noted and shall be complied during commissioning phase. At present project is under construction phase
128	The Project proponent shall obtain all required permission for safety, health and fire from competent authorities like PESO/fire Authority etc. and intimate SEIAA	Noted and shall be complied during commissioning phase. At present project is under construction phase
129	Project proponent will intimate SEIAA/SEAC/GPCB after obtaining the membership of common facilities like CETP/TSD/CHWIF/CMEE/Comm on Spray Dryer as the case may be	Noted and shall be complied during commissioning phase. At present project is under construction phase
130	Extra care will be taken by PP to avoid any accidental blast in boiler, reactor, or any machinery in the plant	Noted and shall be complied during commissioning phase. At present project is under construction phase
131	Environmental monitoring, training and disaster management plan should be undertaken and complied at regular interval	Noted and shall be complied during commissioning phase. At present project is under construction phase
132	Integrated Regional office of MoEF&CC Gandhinagar and GPCB will monitor all environmental, safety and health norms as per the prevailing rules.	Noted

S. No	EC Condition	Compliance
133	The PP has to maintain log sheet/register/manifest/gate pass for discharge through tankers and SCADA system for pipeline discharge for the wastewater generation and its disposal data and submit to the GPCB every quarter. GPCB shall verify the same on regular basis and inform SEIAA and take legal action in case of non-compliance	Not applicable as unit has proposed the ZLD plan
134	Unit shall comply all the applicable standard conditions prescribed in Office Memorandum (OM) published by MoEF&CC, vide no. F.No. 22-34/2018-IA.III dated 09/08/2018 for pharmaceutical and chemical industries mentioned at (S. No.XX)	Not applicable as unit is for metallurgy Industry
135	The project proponent shall allocate the separate fund for Corporate Environmental Responsibilities (CER) in accordance to the MoEF&CC's office memorandum no. F. No. 22-65/2017-IA.III dated 01/05/2018 to carry out the activities under CER in affected area around the project. The entire activities proposed under CER shall be monitored and monitoring report shall be submitted to the regional office of MoEF&CC as a part of half yearly compliance report and to District collector. The monitoring report shall be posted on the website of the project proponent	Noted and shall be complied. At present as project is under construction phase, Hindalco Industries Limited has started approaching nearby villages to carry out the CER activities. Storm water drainage work is carried out by the company
136	Rainwater harvesting of surface as well as rooftop runoff shall be undertaken, and same water shall be used for the various activities of the project to conserve fresh water as well as to recharge ground water. Before recharging the surface water pre-treatment must be done to remove suspended matter	Noted and shall be complied during commissioning phase. At present project is under construction phase
137	The unit shall join and participate financially and technically for any common environmental facility / infrastructure as and when the same is taken up either by industrial Association or GIDC or	Noted and shall be complied during commissioning phase project. At present project is under construction phase

S. No	EC Condition	Compliance
	GPCB or any such authority created for this purpose by Govt/GIDC	
138	Application of solar energy shall be incorporated for illumination of common areas, lighting for garden and street lighting in addition the provision of solar water heating system shall also be provided	Noted and shall be complied during commissioning phase. At present project is under construction phase
139	The area earmarked as green area shall be used only for plantation and shall not be altered for any other purpose	Noted and will be complied.
140	All the commitment /undertaking given to the SEAC during appraisal process for the purpose of environmental protection and management shall be strictly adhered to	Noted and shall be complied
141	The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of Environmental Protection and management	Noted and shall be complied
142	In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until desired efficiency of the control equipment has been achieved	Noted and shall be complied
143	The project authorities must strictly adhere to the stipulation made by Gujarat Pollution Control Board (GPCB), State Government and any statutory authorities	Noted and shall be complied
144	During material transfer there shall be no spillages and gulland drain shall be constructed to avoid mixing of accidental spillage with domestic wastewater or storm water	Noted and shall be complied
145	Pucca flooring/impervious layer shall be provided in the work areas, chemical storage area and chemical handling areas to minimize soil contamination	Noted and shall be complied
146	Leakage from pipes, pumps shall be minimal and if occurs, shall be arrested promptly	Noted and shall be complied
147	No further expansion or modification in the plant likely to	Noted and shall be complied

S. No	EC Condition	Compliance
	cause environmental impact shall be carried out without obtaining prior environmental Clearance from the concerned authority	
148	The above condition will be enforced, interalia under the provision of the water (Prevention & control of Pollution) Act 1974, Air(Prevention & control of Pollution) Ac 1981, The Environment (Protection) Act 1986, Hazardous wastes (Management, handling and Transboundary Movement) Rules 2008 and the Public Liability Insurance Act 1991 along with their amendment and rules	Noted and shall be complied
149	The project proponent shall comply all the conditions mentioned in "The Companies (Corporate Social Responsibility Policy) Rules 2014 and its amendment from time to time in a letter and spirit	Noted and shall be complied
150	The project management shall ensure that unit complies with all the environmental protection measures, risk mitigation measures and safeguard recommended in the EMP report and Risk Assessment study report as well as proposed by project proponent	Noted and shall be complied
151	The project authorities shall earmark adequate funds to implement the condition stipulated by SEIAA as well as GPCB along with implementation schedule for all the conditions stipulated therein. The funds so provided shall not be diverted for any other purpose	Noted and shall be complied
152	The applicant shall inform public that project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the website of SEIAA/SEAC/GPCB. This shall be advertised within seven days from the date of the clearance letter, in atleast two local newspaper that are widely circulated in the region, one of which shall be in	The Advertisement of EC has been published in the English Newspaper of Indian Express (The Sunday Express) and Gujarati Newspaper i.e Divya Bhaskar on 17th December 2023 within 4 days of the EC receipt from SEIAA.

S. No	EC Condition	Compliance
	<p>the Gujarati language and other in English. A copy each of same shall be forwarded to the concerned Regional Office of the Ministry</p>	 <p>The Newspaper advertisement copy has been submitted to Regional office of the Ministry. Inward copy of the same is attached as Annexure 4</p>
153	<p>It shall be mandatory for the project management to submit half-yearly compliance report in respect of stipulated prior environmental clearance terms and conditions in soft copies to the regulatory authorities concerned on 1st June and 1st December of each calendar Year</p>	<p>Noted and shall be complied</p>
154	<p>Concealing factual data or submission of false/fabricated data and failure to comply with any of the condition mentioned above may result in withdrawal of this clearance and attract action under the provision of Environment (Protection) Act 1986</p>	<p>Noted</p>
155	<p>The project authority shall also adhere to the stipulation made by</p>	<p>Noted</p>



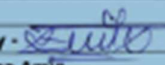
S. No	EC Condition	Compliance
	the Gujarat Pollution Control Board	
156	The SEIAA may revoke or suspend the clearance, if implementation of any of the above condition is not found satisfactory	Noted
157	The company in a time bound manner shall implement these conditions. The SEIAA reserve the right to stipulate additional conditions, if the same in found necessary	Noted
158	The Project authorities shall inform GPCB, Regional office MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project	Noted and shall be complied
159	This environmental clearance is valid for ten year from the date of issue	Noted
160	Any appeal against this environmental clearance shall be lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act 2010	Noted
161	Submission of any false or misleading information or data which is material to screening or scoping or appraisal or decision on application make this environmental clearance cancelled	Noted
B4	Compliance of Environmental Clearance/Reporting/Administrational/Appeal	
162	Project proponent shall inform to all the concerned authorities including Municipal Corporation and District collector and shall also give wide publicity through advertisement in minimum two local newspaper within seven days, about the Environmental clearance order accorded	The Newspaper advertisement copy has been submitted to Municipal Corporation and District collector. Inward copy of the same is attached as Annexure 5 . Noted and complied
163	Project proponent shall appoint a key person in the organization who shall be responsible for compliance of above conditions fully on behalf of the proponent. It will not mean that appointing a key person will exempt project proponent from the responsibility	Noted and complied. Ms. Mitali Khuman is appointed as a Key person in the organization who shall be responsible for Compliance of EC conditions.

S. No	EC Condition	Compliance
	of compliance. Any change in key person shall immediately be informed to the SEIAA and all concerned authorities	
164	Designated key person shall submit six monthly compliance report to SEIAA/SEAC, MoEF&CC, GPCB and nodal department of Government	Noted and shall be complied
165	The Nodal department or any authority or officer authorized by MoEF&CC/SEIAA can inspect the site of the project and all the facilities for verification of compliances of environmental clearance conditions	Noted
166	In case of violation reported upon, the project proponent shall be responsible for all legal actions as per Environmental Protection Act 1986 including SEIAA may cancel, withdraw or keep in abeyance the environmental clearance accorded	Noted
167	Any person including the project proponent affected by this Environmental Clearance order may file appeal to Honorable National Green Tribunal West Zone Branch, Pune preferably within a period of thirty days from the date of issue of Environmental Clearance as prescribe under Section 16 of National Green Tribunal Act 2010	Noted
168	All complaint and public grievance or representation may be addressed to SEIAA/SEAC in the email addresses (a) msseiaagj@gmail.com & (b) seacgujarat@gmail.com	Noted

Annexure 1: Public Hearing Action Plan

Sr. No.	Name and village of representer	Points represented	Reply from Representative of Project Proponent	Action to be Taken	Fund Required
1.	Shri Utsavkumar Rasiklal Parikh Village: Waghodia, Ta: Waghodia, District: Vadodara.	He welcomed the project coming up in the Waghodia as there will be benefit in the 10 Km area and employment generation. As per his opinion this project is not likely to cause pollution or damage. So, this project is welcomed and should be started at the earliest.	Company representative expressed thanks.	Not Action Required.	Not required
2.	Shri Brijeshkumar Harishchandra Goswami Village: Waghodia, Ta: Waghodia, District: Vadodara.	He requested to give priority to local people in employment.	Company representative informed that around 500 people will be employed in project and priority will be given to the local people first.	The employment opportunities shall be given to local people based on requirement of the company and qualification/experience.	Not required
3.	Shri Bhupendrabhai Bhailalbai Patel Village: Vyara, Ta: Waghodia, District: Vadodara.	He informed that there will be opportunities for employment, direct and indirect benefit to all. He recommends that the project will get the permission at earliest.	Company representative expressed thanks.	The employment opportunities shall be given to local people based on requirement of the company and qualification/experience.	Not required
4.	Shri Amrishbhai Sanabhai Parmar Village: Goraj, Ta: Waghodia, District: Vadodara.	He welcomed the project of Hindalco company.	Company representative expressed thanks.	No Action required.	Not Required
5.	Shri Diptiben Dilipbhai Jaiswal Village: Waghodia,	She said that we the people are very happy that Hindalco company is coming to Waghodia GIDC.	Company representative expressed thanks.	No Action required.	Not Required

Sr. No.	Name and village of representer	Points represented	Reply from Representative of Project Proponent	Action to be Taken	Fund Required
	Ta: Waghodia, District: Vadodara.	She requested that every man & woman of the nearby area will get the benefit from this, so that the company will get the approval and start at the earliest.			
6.	Shri Nileshbhai Chandrakantbhai Purani Village: Waghodia, Ta: Waghodia, District: Vadodara.	He requested to ensure that company shall provide employment to the local people. The company has to follow the pollution norms as mentioned in the public hearing presentation. It is ensured that people of Waghodia will be economically uplifted through employment and their health and well-being are not being compromised. It is requested to give necessary permission to the company to develop the taluka and the country.	Company representative informed that company will obey and follow all the rules related to the environment. Local people will be given priority in employment according to their experience and educational qualifications.	No Action required.	No Action required.
7.	Smt. Trushaben Shaileshbhai Patel Village: Waghodia, Ta: Waghodia, District: Vadodara.	She requested to give employment to local educated peoples. She welcomed the project.	Company representative expressed thanks.	No Action required.	Not Required

 TC-13496	<h2 style="margin: 0;">KADAM LABS PRIVATE LIMITED</h2> <p style="margin: 0;">871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10. Phone : (O) 0265 - 6131000, 6131001</p>				
ENVIRONMENTAL MONITORING REPORT					
LABORATORY TEST REPORT - AMBIENT					
REPORT NO.: MAY24/100/01 (ULR- TC134502400001736F)					
SAMPLE DETAILS					
1. Name & Address of Client: M/s. Hindalco Industries Limited. (COPPER IGT WAGHODIA) Plot NO. 187/P-P/1/B/2,P/1B/3,P1/B5,P1/B/6,187/P Vaghodia Industrial Estate, Village: Vaghodia, Dis: Vadodara-391760, Gujarat, India.					
2. Sample ID: 2458088246 - 100MY24AQ01	3. Client Representative: Ms.Nitali Khuman				
4. Sampling Date: 16.05.2024	5. Sampling Location: Near Porta Cabin				
6. Sampling time: 11:00 hr	7. Sampling Duration: 24 Hrs				
8. Analysis commenced on: 18.05.2024	9. Analysis Completed on: 18.05.2024				
10. Reporting Date: 21.05.2024	11. Discipline: Chemical				
12. Sample Collected By: Mr.Viral	13. Group: Atmospheric Pollution				
14. Sampling Procedure: IS Method	15. Product: Ambient Air				
16. Description of Sample:	Sampling Bottles: Sealed <input checked="" type="checkbox"/>	Filter Paper: Packed <input checked="" type="checkbox"/>			
		Bladder: Clamped <input checked="" type="checkbox"/>			
17. Environment Condition:	Temp: Normal	Humidity: Medium			
	Wind speed: Smooth	Cloud cover: Cloudy			
	Rain: No Rain	Wind Direction: Up wind			
	Wind blowing from: -	Station category: Industrial			
18. Sampling Received Date: 18.05.2024					
TEST RESULTS					
S. No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	PM ₁₀	µg /m ³	77	100	IS 5182(Part 23): 2006 (RA 2017)
2.	PM _{2.5}	µg /m ³	29	60	NAAQMS Manual by CPCB (Volume-1)
3.	Sulphur Dioxide (SO ₂)	µg /m ³	10.58	80	IS 5182(Part 2): 2001 (RA 2017)
4.	Oxides of Nitrogen (NO _x)	µg /m ³	12.02	80	IS 5182(Part 6): 2006 (RA 2017)
Remark :					
Authorized By - 					
Name : Sapana Amin			Designation : Lab Incharge		
NOTE : 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory. 2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis. 3) The results reported above relate to the sample identified under Sample Details.					
-----END OF REPORT-----					
TEST REPORT FORMAT - AMBIENT					
DOC. NO.: LAB-FMT-051		Issue No.: 01		Revision No.: 00	
Effective Date: 26-03-2024		Issue Date: 26-03-2024		Revision Date: --	
Page 1 of 2					

KADAM LABS PRIVATE LIMITED

871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10.
Phone : (O) 0265 - 6131000, 6131001



WORK ENVIRONMENT MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: MAY24/100/02

SAMPLE DETAILS

1. Name & Address of Client: M/s. Hindalco Industries Limited. (COPPER IGT WAGHODIA) Plot NO. 187/P-P/1/B/2,P/18/3,P1/B5,P1/B/6,187/P Vaghoda Industrial Estate, Village: Vaghoda, Dis: Vadodara-391760, Gujarat, India.				
2. Sample ID: 2458088246 - 100MY24AQ01	3. Client Representative: Ms.Mitali Khuman			
4. Sampling Date: 16.05.2024	5. Sampling Location: Near Porta Cabin			
6. Sampling time: 11:00 hr	7. Sampling Duration: 24 Hrs			
8. Analysis commenced on: 18.05.2024	9. Analysis Completed on: 18.05.2024			
10. Reporting Date: 21.05.2024	11. Discipline: Chemical			
12. Sample Collected By: Mr.Viral	13. Group: Atmospheric Pollution			
14. Sampling Procedure: IS Method	15. Product: Ambient Air			
16. Description of Sample:	Sampling Bottles: Sealed <input checked="" type="checkbox"/>	Filter Paper: Packed <input checked="" type="checkbox"/>	Bladder: Clamped <input checked="" type="checkbox"/>	
17. Environment Condition:	Temp: Normal	Humidity: Medium	Wind speed: Smooth	Cloud cover: Cloudy
	Rain: No Rain	Wind Direction: Up wind	Wind blowing from: -	Station category: Industrial
18. Sampling Received Date: 18.05.2024				

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	CO	$\mu\text{g}/\text{m}^3$	0.817	02	Gas Chromatography

Remark :

Authorized By - *Sapana Amin*

Name : Sapana Amin Designation : Lab Incharge

- NOTE :
- 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
 - 2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
 - 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - AMBIENT

DOC. NO.: LAB-FMT-051	Issue No.: 01	Revision No.: 00
Effective Date: 26-03-2024	Issue Date: 26-03-2024	Revision Date: --



TC-13456

KADAM LABS PRIVATE LIMITED

871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10.

Phone : (O) 0265 - 6131000, 6131001



ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - NOISE

REPORT NO.: MAY24/100/03(ULR- TC134502400001737F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Hindalco Industries Limited. (COPPER IGT WAGHODIA) Plot NO. 187/P-P/1/B/2,P/1B/3,P/1B5,P/1B/6,187/P Vaghodia Industrial Estate, Village: Vaghodia, Dis: Vadodara-391760, Gujarat, India.	
2.	Sample ID: 100MY24NO01	3. Client Representative: Ms. Mitali Khuman
4.	Sampling Date: 16.05.2024	5. Sample Collected By: Mr. Viral
6.	Analysis commenced on: 16.05.2024	7. Analysis Completed on: 16.05.2024
8.	Reporting Date: 21.05.2024	9. Sampling Location: --
10.	Discipline: Chemical	13. Sample Received Date: 16.05.2024
11.	Group: Atmospheric Pollution	
12.	Product: Ambient Noise Levels	

TEST RESULTS

S. No.	Location	Day		Night		Method
		Time	Reading dB(A)	Time	Reading dB(A)	
1.	Boundary	17:30 hr	61.2	22:00 hr	58.7	IS 9969: 1981

Remark :

Authorized By :

Name : Sapana Amin

Designation : Lab Incharge

- NOTE :
- 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
 - 2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
 - 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - NOISE

DOC. NO.: LAB-FMT-087	Issue No.: 01	Revision No.: 00
Effective Date: 26-03-2024	Issue Date: 26-03-2024	Revision Date: --



BEIL INFRASTRUCTURE LIMITED
(Formerly Known As Bharuch Enviro Infrastructure Limited)

13TH JULY, 2023

TO,
HINDALCO INDUSTRIES LIMITED (VADODARA UNIT)
PLOT NO.187/P & 187/P/1/3,
WAGHODIA, INDUSTRIAL AREA,
WAGHODIA, VADODARA - 391760.

Sub: Provisional Membership Certificate for Common Solid Waste Disposal Facility.

Dear Sir,

We hereby certify that you have become member for the common Solid/Hazardous waste disposal facility developed by **BEIL INFRASTRUCTURE LIMITED** (Formerly known as Bharuch Enviro Infrastructure Ltd), at GIDC, Dahej. You have booked solid waste quantity of **25 MT/Year**. You have also paid your capacity commitment charges. Your Membership No. is **OTH/1197**.

Waste will be accepted after submitting valid authorization of GPCB.

- 1) **Total TSDF Capacity of BEIL Dahej:** 1900000 MT
- 2) **Total Consented Capacity:** 1900000 MT
- 3) **Total Occupied Capacity:** 1130017.669 MT
- 4) **Spare Capacity:** 0769982.331 MT

Thanking you,

Yours faithfully,
For, BEIL Infrastructure Limited
(Formerly Known as Bharuch Enviro Infrastructure Ltd)


AUTHORISED SIGNATORY





28TH December 2023

To,
IRO MoEF&CC,
Ministry of Environment, Forest and Climate Change,,
Integrated Regional Office, Gandhi Nagar A wing- 407 & 409,,
Aranya Bhawan, Near CH-3 Circle, Sector-10A, Gandhi Nagar-382010,
Gandhinagar, Gujarat

Sub: Advertisement of Environmental Clearance for setting up of manufacturing plant of "Metallurgical Industries" at Plot No. 187/P & 187/P/1/B/2, 187/P & 187/P/1/B/3, 187/P & 187/P/1/B/4, 187/P & 187/P/1/B/5 & 187/P & 187/P/1/B/6 Waghodia GIDC, Taluka: Waghodia, District: Vadodara, Gujarat

Dear Sir,

With reference to above subject we would like to inform you that Hindalco Industries Limited has received the Environmental Clearance for setting up of manufacturing plant of "Metallurgical Industries" at Plot No. 187/P & 187/P/1/B/2, 187/P & 187/P/1/B/3, 187/P & 187/P/1/B/4, 187/P & 187/P/1/B/5 & 187/P & 187/P/1/B/6 Waghodia GIDC, Taluka: Waghodia, District: Vadodara, Gujarat from SEIAA Gujarat vide Environmental Clearance No. : SEIAA/GUJ/EC/3(a)/1613/2023 Dated 13th Dec 2023.

The advertisement for the same has been given in English Newspaper "Indian Express" and Gujarati News paper "Divya Bhaskar on 17th December 2023. Copy of the Advertisement is attached herewith for your ready reference.

Thanking You,

Yours Faithfully

Authorized Signatory



HINDALCO INDUSTRIES LIMITED
(Unit: Waghodia)
Plot No: 187/P&187/P/1/B2-B6, GIDC,
Waghodia, Vadodara,
Gujarat, 382010, India

Registered Office: 21st Floor, One International Center,
Tower 4, Prabhadevi, Near Prabhadevi Railway Station,
Senapati Bapat Marg, Mumbai 400013
Telephone +91 22 6947 7000 / 6947 7150

Website
Email

www.hindalco.com
hindalco@adityabirla.com



28TH December 2023

To,
Vadodara Municipal Corporation,
Khanderao Market Building,
Rajmahal Road,
Vadodara - 390209

Sub: Advertisement of Environmental Clearance for setting up of manufacturing plant of "Metallurgical Industries" at Plot No. 187/P & 187/P/1/B/2, 187/P & 187/P/1/B/3, 187/P & 187/P/1/B/4, 187/P & 187/P/1/B/5 & 187/P & 187/P/1/B/6 Waghodia GIDC, Taluka: Waghodia, District: Vadodara, Gujarat

Dear Sir,

With reference to above subject we would like to inform you that Hindalco Industries Limited has received the Environmental Clearance for setting up of manufacturing plant of "Metallurgical Industries" at Plot No. 187/P & 187/P/1/B/2, 187/P & 187/P/1/B/3, 187/P & 187/P/1/B/4, 187/P & 187/P/1/B/5 & 187/P & 187/P/1/B/6 Waghodia GIDC, Taluka: Waghodia, District: Vadodara, Gujarat from SEIAA Gujarat vide Environmental Clearance No. : SEIAA/GUJ/EC/3(a)/1613/2023 Dated 13th Dec 2023.

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Thanking You,

Yours Faithfully

Authorized Signatory

o/c
A
5/12/2023

5/12/2023

HINDALCO INDUSTRIES LIMITED
(Unit: Waghodia)
Plot No: 187/P&187/P/1/B2-B6, GIDC,

Registered Office: 21st Floor, One International Center,
Tower 4, Prabhadevi, Near Prabhadevi Railway Station,
Senapati Bapat Marg, Mumbai 400013

Website
E-mail

www.hindalco.com
hindalco@adityabirla.com



28TH December 2023

To,
The District Collector,
District Collector Office,
Kothi Building, Raopura
Mandvi, Vadodara,
Gujarat – 390001

Sub: Advertisement of Environmental Clearance for setting up of manufacturing plant of "Metallurgical Industries" at Plot No. 187/P & 187/P/1/B/2, 187/P & 187/P/1/B/3, 187/P & 187/P/1/B/4, 187/P & 187/P/1/B/5 & 187/P & 187/P/1/B/6 Waghodia GIDC, Taluka: Waghodia, District: Vadodara, Gujarat

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(Unit: Waghodia)
Plot No: 187/P&187/P/1/B2-B6, GIDC,
Waghodia, Vadodara,
Gujarat - 391760, India

Registered Office: 21st Floor, One International Center,
Tower 4, Prabhadevi, Near Prabhadevi Railway Station,
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Telephone +91 22 694 7 7000 / 6947 7150
IE - 101228047 7001/6047 7000

Website www.hindalco.com
Email hindalco@adityabirla.com
Corporate Identity No. 1 27020MH1958PI C011238