

HINDALCO INDUSTRIES LIMITED, KUPPAM WORKS

No. 255,257,279, INDUSTRIAL PARK, KUPPAM - 517 425

COMPLIANCE REPORT ON CFO CONDITIONS

Consent Order No:1803488/APPCB/KNL/TPT/CFO&HWA/HO/2023 dated 11/01/2024

S No	CONDITION				STATUS
i	Outlets for discharge of effluents				
	Outlet No.	Outlet description	Max daily discharge	Point of disposal	
	1.	Trade effluents (Generated from anodizing and powder coating section)	60 KLD	After pretreatment shall be sent to CETP, Naidupeta for treatment and disposal till completion of ZLD system at the industry premises. ZLD system consist of <ul style="list-style-type: none"> • MEE system followed by ATFD for drying. • Condensate of MEE and ATFD shall be treated in the ETP. • ATFD salts shall be disposed to TSDF. • RO permeate shall be re-used in the industry. • RO rejects shall be sent to the MEE system. 	Complied. Treated liquid being sent to CETP, Naidupeta till completion of ZLD system. Zero liquid discharge project in progress.
	2.	Domestic effluents	10 KLD	After treatment in STP, the treated water shall be used for gardening / greenbelt development.	
ii	Emissions from chimneys				
	Chimney No.	Description of Chimney			
	1 & 2	Attached to LPG Fired heating furnace of capacity 2 TPH – 2 Nos			Complied
	3	Stack attached to painting booth (spray painting)			
	4,5,6	Attached to DG sets of capacity 1010 KVA - 3 Nos.			
	7	Attached to Heating Furnace (Ageing oven 1) - 1.75 TPH			
	8	Attached to Heating Furnace (Ageing oven 2) - 15 TPH			
	9	Attached to Powder coating PVDF booth			
	10	Attached to Welding fumes extraction			
	11	Attached to LPG fired Boiler - 1 TPH			
	12	Attached to Anodizing section			

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iii Hazardous wastes authorization					
S No	Name of hazardous waste	Stream	Quantity	Disposal option	
1	Used waste oils	5.1 of Schedule - I	8000 Ltrs/Year	Shall be sent to authorized reprocessors/ recyclers through M/s. APEMCL.	Complied
2	ETP Sludge	34.3 of Schedule - I	100 T/Month	Shall be sent to co-processing to authorized units / TSDF through M/s. APEMCL.	
3	Spent used acids & Alkalines	12.2 of Schedule-I	250 KL/Month	Shall be sent to co-processing to authorized units / TSDF through M/s. APEMCL.	
4	Polishing wax mixed with aluminium dust	--	200 Kgs/Month	Shall be sent to authorized reprocessors/ recyclers through M/s. APEMCL.	
5	Solar evaporation salts	35.3 of Schedule-I	2 T/ Month	Shall be sent to Co-processing authorized units/ TSDF through M/s. APEMCL.	
This Consent order is valid for the following products along with quantities indicated only:					
S No	Name of the product	Capacity			
1	Aluminium Structural / Value added Products (Extruded sections, pipes, solids, hollows, rounds, squares, hexagons, rectangular and other intricate profiles)	55 MT/Day	Complied		
SCHEDULE-A					
1	Any up-set condition in any industrial plant / activity of the industry, which result in, increased effluent / emission discharge and/ or violation of standards stipulated in this order shall be informed to this Board, under intimation to the Collector and District Magistrate and take immediate action to bring down the discharge / emission below the limits.				OK. Will intimate the Board immediately if and when such a condition arises.
2	The industry should carryout analysis of wastewater discharges or emissions through chimneys for the parameters mentioned in this order on quarterly basis and submit to the Board.				Complied. Analysis is being done every month and report is being submitted to Board
3	All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991 should be followed as applicable.				Complied.
4	The industry should put up two sign boards (6x4 ft. each) at publicly visible places at the main gate indicating the products, effluent discharge standards, air emission standards, hazardous waste quantities and validity of CFO and exhibit the CFO order at a prominent place in the factory premises.				Complied. Two boards displayed at the entrance of the company.

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5	Notwithstanding anything contained in this consent order, the Board hereby reserves the right and powers to review / revoke any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board.	OK
6	The industry shall ensure that there shall not be any change in the process technology, source & composition of raw materials and scope of working without prior approval from the Board.	Complied. Any change will be done only with prior approval of the board
7	The applicant shall submit Environment statement in Form V before 30th September every year as per Rule No.14 of E(P) Rules, 1986 & amendments thereof.	Complied. Form V submitted on 15.09.2023
8	The applicant should make applications through Online for renewal of Consent (under Water and Air Acts) and Authorization under HWM Rules at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts and detailed compliance of CFO conditions for obtaining Consent & HW Authorization of the Board.	Complied. Renewal application submitted on 01.03.2024
9	The industry should immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions. Any change in the management shall be informed to the Board. The person authorized should not let out the premises / lend / sell / transfer their industrial premises without obtaining prior permission of the State Pollution Control Board.	Complied. Will submit revised application as and when any change in process is planned.
10	Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules 1982, to Appellate authority constituted under Section 28 of the Water(Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air(Prevention and Control of Pollution) Act, 1981.	OK
11	The industry shall be liable to pay Environmental Compensation / Other Environmental Taxes, if any environmental damage caused to the surroundings, as fixed by the Collector & District Magistrate or any other competent authority as per the Rules in vogue.	OK
12	The industry may explore the possibility of tapping the solar energy for their energy requirements.	Feasibility study planned for solar project.
13	The industry should educate the workers and nearby public of possible accidents and remedial measures.	Workers and nearby public are given awareness sessions frequently.
SCHEDULE-B		
1	The industry shall not discharge any wastewater to outside the factory premises under any circumstances.	Complied
2	The industry shall maintain energy meters in ETP and Air Pollution Control Equipment (APC). Photos of the energy meters shall be furnished.	Complied. Photos of energy meters submitted along with consent clarification letter dated 05.01.2024

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3	The industry shall commission ZLD by 30.06.2024.	ZLD project in progress. Timebound action plan submitted along with consent clarification letter dated 18.05.2024															
4	The industry shall develop remaining green belt of 0.89 acres within 1 month. The industry shall maintain minimum 33% green belt of the total area	Green belt exists to an extent of more than 33%. Details have been submitted along with consent clarification letter dated 05.04.2024															
WATER POLLUTION:																	
5	The source of water is Bore well. The following is the permitted water consumption: <table border="1"> <thead> <tr> <th>S. No.</th> <th>Purpose</th> <th>Quantity (KLD)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Process & Washings</td> <td>100.0</td> </tr> <tr> <td>2.</td> <td>Domestic</td> <td>12.0</td> </tr> <tr> <td colspan="2">Total:</td> <td>112.0 KLD</td> </tr> </tbody> </table> Separate meters with necessary pipe-line shall be maintained for assessing the quantity of water used for each of the purposes.	S. No.	Purpose	Quantity (KLD)	1.	Process & Washings	100.0	2.	Domestic	12.0	Total:		112.0 KLD	Complied. Water consumption within limits			
S. No.	Purpose	Quantity (KLD)															
1.	Process & Washings	100.0															
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Total:		112.0 KLD															
6	The industry shall comply the following effluent standards based on the disposal points permitted: <table border="1"> <thead> <tr> <th>Outlet</th> <th>Parameter</th> <th>Limiting Standards</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>pH</td> <td>5.5 to 9.0</td> </tr> <tr> <td></td> <td>Suspended Solids</td> <td>200.0 mg/l</td> </tr> <tr> <td></td> <td>BOD</td> <td>30 mg/l</td> </tr> <tr> <td></td> <td>Oil and Grease</td> <td>10 mg/l</td> </tr> </tbody> </table>	Outlet	Parameter	Limiting Standards	1	pH	5.5 to 9.0		Suspended Solids	200.0 mg/l		BOD	30 mg/l		Oil and Grease	10 mg/l	Complied. Effluent quality monitored every month and quality ensured
Outlet	Parameter	Limiting Standards															
1	pH	5.5 to 9.0															
	Suspended Solids	200.0 mg/l															
	BOD	30 mg/l															
	Oil and Grease	10 mg/l															
7	Rainwater shall not be allowed to mix with either trade or domestic effluents. Industry shall maintain storm water drains, properly.	Complied. Storm water drain maintained and no mix-up of trade or domestic effluents															
8	The industry shall maintain rainwater runoff tank with pump for collection and storage of first flush contaminated storm water and the same shall be sent or further treatment. The industry shall maintain dry condition in outside drains during non-rainy season.	Complied. Runoff water of first flush of rainwater collected and treated in ETP.															
9	The industry shall provide ZLD system MEE, ATFD etc, to treat the trade effluents. Till completion of ZLD system, the pretreated effluents shall be sent to CETP, Naidupeta for treatment and disposal.	ZLD project in progress. Effluent currently being sent to CETP.															
AIR POLLUTION:																	
10	The emissions shall not contain constituents in excess of the prescribed limits mentioned below: <table border="1"> <thead> <tr> <th>Chimney No.</th> <th>Parameter</th> <th>Emission Standards (mg/Nm3)</th> </tr> </thead> <tbody> <tr> <td>1 - 12</td> <td>SPM</td> <td>115</td> </tr> </tbody> </table>	Chimney No.	Parameter	Emission Standards (mg/Nm3)	1 - 12	SPM	115	Complied. Parameters monitored on monthly basis and within limits									
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1 - 12	SPM	115															
11	The industry shall comply with rules notified by the MoEFCC, GoI in the G.S.R.612€ dt.25.08.2014 as stipulated in Environment (Protection) (Fifth Amendment) Rules, 2014 as applicable.	Complied. Stack emissions monitored every month and values within limits.															
12	The industry shall ensure compliance with ambient air quality standards of PM10 – 100 micro grams/ m3; PM2.5 – 60 micro grams/m3; SO2 – 80 micro grams/m3; NOx - 80 micro grams/m3, (day average standards). The industry shall comply with National Ambient Air Quality Standards stipulated in CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009 and also the Noise standards: Day time (6 AM to 10 PM) - 75 dB(A); Night time (10 PM to 6 AM) - 70 dB (A)	Complied. Ambient air quality being monitored every month and values within limits															

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13	The industry shall comply with emission limits for DG sets of capacity up to 800 KW as per the Notification G.S.R.520 (E), dated 01.07.2003 and G.S.R.448(E), dated 12.07.2004 under the Environment (Protection) Act Rules. In case of DG sets of capacity more than 800 KW shall comply with emission limits as per the Notification G.S.R.489 (E), dated 09.07.2002 at serial no.96, under the Environment (Protection) Act, 1986.	Complied. DG set emissions monitored every month and values found within limits as per Notification GSR 489 (E)
	GENERAL:	
14	The industry shall not manufacture new products, and not more than the permitted capacity mentioned in this order, without obtaining CTE/CTO of the Board	Production within limits as per consent order.
15	The industry shall not cause any water pollution/air pollution to the nearby surroundings under any circumstances.	Complied
16	The industry shall not dispose the solid waste outside the factory premises	Solid waste not disposed outside factory premises
17	The industry shall develop green belt all along the boundary and in all the vacant places to cover at least 33% of total area.	Green belt developed to an extent of 35% inside factory premises
18	The industry shall submit Half yearly compliance reports to all the stipulated conditions in Environmental Clearance (EC), Consent for Establishment (CFE) and Consent for Operation (CFO) through website i.e., https://pcb.ap.gov.in by 1st of January and 1st July of every year. The first half yearly compliance reports shall be furnished by the industry and second half yearly compliance reports shall be the audited through NABL accredited third party	Compliance report submitted as per timeline
	SPECIAL CONDITIONS:	
19	The effluents shall send to CETP, Naidupeta for treatment and disposal till completion of the ZLD system at the industry premises.	Complied. Effluent being sent to CETP Naidupeta till completion of ZLD system
20	The industry shall maintain logbooks for the effluents sent to CETP, Naidupeta and submit the weekly details to RO, Tirupati.	Complied. Logbooks are maintained regarding effluents and weekly reports submitted.
21	The industry shall send the effluents to CETP, Naidupeta for treatment and disposal duly following online manifest system and transport through GPS tracking vehicle routed through APEMCL.	Complied. Manifest generated through APEMCL portal.
22	The industry shall prepare a safety report and carry out an independent safety audit report of the respective industrial activities including chemical storages / isolated storages by an expert not associated with such industrial activity as required under Rule 10 of MSIHC Rules, 1989 and get it approved by the Factories Dept., and submit the compliance along with copy of the safety report, safety audit report and safety certificate at concerned Regional Office, APPCB.	Complied. Independent safety audit carried out. Report on chemical storages and inventory being maintained and reviewed periodically. Quantity stored is well below the threshold limit of the Rule.
23	The industry shall extend training to the working personnel for the prevention of accidents and necessary antidotes to ensure safety, as per the MSIHC Rules, 1989.	Complied. Training is being given to all employees
24	The industry shall carryout calibration of safety equipment and leak detection systems at regular intervals and shall certify the same with the Factories Department. That certified copy shall be submitted to the APPCB, Regional Office.	Calibration of safety equipment is in place.

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25	The industry shall install fluorescent Wind Vane at the highest point in the industry premises	Complied. Fluorescent wind vane installed near guest house and other important points
26	The industry shall submit Risk analysis and risk assessment covering worst scenario clearly describing impact within the industry premises and outside the industry premises and emergency response system	Complied. Risk analysis and assessment done and submitted.
27	The industry shall submit the copy of the safety audit report and On-Site / Off Site Emergency Plans as applicable after being certified by the Factories Department to the APPCB, Regional Office from time to time, if the storage quantity of hazardous chemicals is equal to or, in excess of the threshold quantities specified in schedule 2 & 3 of MSIHC Rules, 1989.	Onsite / Offsite emergency plans available. Our storage quantity of hazardous chemicals is well below the threshold limits specified in schedule 2&3 of MSIHC Rules, 1989.
SCHEDULE – C		
1	The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.	Complied with the provisions of Environment Protection Act, 1986
2	The authorisation shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.	Shall be produced as and when asked for
3	The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.	Complied. Hazardous wastes disposal only through APEMCL
4	Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation	Complied
5	The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site-specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;	Emergency preparedness plan exists with site specific emergency scenario. Mock drill conducted every month on different scenario.
6	The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty".	Complied
7	It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.	OK
8	An application for the renewal of an authorisation shall be made as laid down under these Rules.	Current CFO expires on 30.06.2024 and renewal application submitted as per consent conditions
9	Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time	Complied
10	The industry shall not store hazardous waste for more than 90 days as per the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.	Hazardous wastes disposed within 90 days of generation
11	The industry shall store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal to the manufacturers / dealers on buyback basis.	Used oil and batteries are stored in secured locations and disposed safely

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12	The industry shall transport the hazardous waste to cement industries only through vehicle fitted with GPS tracking system.	Transportation only in GPS fitted vehicles through APEMCL
13	The industry shall maintain 7 copy manifest system for transportation of waste generated and a copy shall be submitted to concerned Regional Office of APPCB. The driver who transports Hazardous Waste should be well acquainted about the procedure to be followed in case of an emergency during transit. The transporter should carry a Transport Emergency (TREM) Card.	7 copy manifest system maintained and TREM card issued through APEMCL
14	The industry shall maintain proper records for Hazardous and Other Wastes stated in Authorisation in Form-3 i.e., quantity of Incinerable waste, land disposal waste, recyclable waste etc., and file annual returns in Form-4 as per Rule 20 (2) of the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.	Complied. Form 3 being maintained on monthly basis
15	The industry shall comply with the provisions of HWM Rules, 2016 in terms of interstate transport of Hazardous Waste and manifest document prescribed Under Rule 18 and 19 of the HWM Rules, 2016.	Complied.
16	The industry shall route all the hazardous waste through M/s. APEMC	Complied

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28.06.2024



Upadhyay

RAJIV UPADHYAY
AUTHORIZED SIGNATORY