

HINDALCO INDUSTRIES LIMITED, KUPPAM WORKS

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

COMPLIANCE REPORT ON CFO CONDITIONS

Consent Order No: 1803488/APPB/TPT/TPT/CFO&HWA/HO/2024 dated 09-01-2025 &

Amendment Order No: 1803488 /APPB/TPT/TPT/HO/CTO-2025 dated 23-08-2025

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	The industry shall ensure the ZLD system. - The trade effluent shall be treated in ETP of 90 KLD followed by RO. - RO Permeate shall be reused in the industry. - RO rejects sent to the centrifuge system. - Centrifuge condensate shall be treated in ETP. - Salts shall be disposed to TSDF	Complied. Treated liquid treated in ZLD and condensate is reused in the industry.
	2.	Domestic effluents	45 KLD	After treatment in STP of 50 KLD, the treated water shall be used for gardening/ greenbelt development.	Complied.
ii	Emissions from chimneys				
	Chimney No.	Description of Chimney			
	1	Attached to LPG Fired heating furnace of capacity 2 TPH – 2 Nos			
	2	Stack attached to painting booth (spray painting)			
	3	Attached to DG sets of capacity 1010 KVA - 3 Nos.			
	4	Attached to Heating Furnace (Ageing oven 1) - 1.75 TPH			
	5	Attached to Heating Furnace (Ageing oven 2) - 15 TPH			
	6	Attached to Powder coating PVDF booth			
	7	Attached to Welding fumes extraction			
	8	Attached to LPG fired Boiler - 1 TPH			
	9	Attached to Anodizing section			Complied

iii	Hazardous wastes authorization					
	S No	Name of hazardous waste	Stream	Quantity	Disposal option	Status
	1	Used waste oils	5.1 of Schedule - I	10 KL/Year	Shall be sent to authorized re-processors/ recyclers through M/s. APEMCL.	Complied
	2	ETP Sludge	34.3 of Schedule XI	100 T/Month	Shall be sent to co-processing to authorized units / TSDF through M/s. APEMCL.	Complied.
	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.	Complied.
	4	Polishing wax Mixed with aluminium dust	—	200 Kgs/Month	Shall be sent to Co-processing authorized units/ TSDF through M/s. APEMCL.	Complied.
	5	Solar evaporation salts	35.3 of Schedule-I	10 T/ Month	Shall be sent to Co-processing authorized units/ TSDF through M/s. APEMCL.	Solar pond evacuated and dismantled. Currently there is no generation of solar evaporation salts.
	6	Discarded Barrels/Containers used for Handling of Hazardous waste/chemicals	33.1 of Schedule-I	10 TPA	Shall be disposed to authorized vendors after complete de-toxification through M/s APEMCL.	Complied.
	7	Oil contaminated wastes	5.2 of Schedule-I	20 MT per year	Shall be sent to authorized re-processors /recyclers through M/s. APEMCL.	Complied
	8	Oil mixed water from compressors	5.2 of Schedule-I	100 KL per year	Shall be sent to authorized re-processors /recyclers through M/s. APEMCL.	Complied
	9	ZLD Salts	35.3 of Schedule-I	90 MT / Month	Shall be sent to TSDF / for co-processing through authorized re-processors through M/s.APEMCL	Complied
iv	This Consent order is valid for the following products along with quantities indicated only:					
	S No	Name of the product			Capacity	Complied
	1	Aluminium Structural/Value added Products (Extruded sections, pipes, solids, hollows, rounds, squares, hexagons, rectangular and other intricate profiles)			55 MT/Day	

	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 be intimated to Board immediately.
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 being done every month and report 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.
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 24.09.2025
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.
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 done 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 dismantle solar evaporation pond by January 2025.	Complied.																		
2	The industry shall submit copy of the fire NOC.	Complied.																		
3	The industry shall treat the effluent store in the solar evaporation pond within 25 days.	Complied.																		
4	The industry shall dispose the accumulated salt to TSDF through M/s APEMCL	Complied.																		
5	The ZO shall inspect and submit detailed report to the task force for review on the compliance after January 2025, on above points.	Report submitted to RO & ZO.																		
6	The disposal of option of wastewater containing inorganic salts shall be disposed to centrifuge for separation of salts. Salts shall be sent to TSDF.	Complied.																		
7	Water generated shall be re-used in the anodizing plant.	Complied.																		
8	As per the previous CTO condition, the industry has to install MEE, ATFD and Biological ETP. Instead, the industry installed High-rate solid contact clarifier (HRSCC), Crystallizer feed tank Mechanical vapour recompressor, service condenser and centrifuge for separation of salts. Therefore, the industry has to submit performance study report on the new equipment installed for treatment and disposal of effluents, to the ZO Tirupati. The ZO Tirupati is directed to inspect and also verify the performance report and submit detailed report to Head office on performance of the new equipment in terms of adequacy for treatment and disposal i.e., whether equivalent to ZLD or not as ZLD stipulated in the previous consent order.	ZLD plant running successfully. Performance study report submitted to RO & ZO, Tirupati.																		
WATER POLLUTION:																				
9	The source of water is Bore well. The following is the permitted water consumption: <table> <tr> <th>S. No.</th><th>Purpose</th><th>Quantity (KLD)</th></tr> <tr> <td>1.</td><td>Process & Washings</td><td>100.0</td></tr> <tr> <td>2.</td><td>Domestic</td><td>50.0</td></tr> <tr> <td></td><td>Total:</td><td>150.0 KLD</td></tr> </table> Separate meters with necessary pipeline 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	50.0		Total:	150.0 KLD	Complied. Water consumption within limits. Separate meters provided for each of the purposes.						
S. No.	Purpose	Quantity (KLD)																		
1.	Process & Washings	100.0																		
2.	Domestic	50.0																		
	Total:	150.0 KLD																		
10	The industry shall treat the domestic effluents and shall comply the following effluent standards as per the MOEF&CC notifications as per G.S.R 1265 (E) dated 13.10.2017: <table> <tr> <th>Outlet</th><th>Parameter</th><th>Limiting Standards</th></tr> <tr> <td>2</td><td>pH</td><td>6.5 to 9.0</td></tr> <tr> <td></td><td>Suspended Solids</td><td><100 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> <tr> <td></td><td>Faecal Coliform</td><td><1000 MPN</td></tr> </table>	Outlet	Parameter	Limiting Standards	2	pH	6.5 to 9.0		Suspended Solids	<100 mg/l		BOD	30 mg/l		Oil and Grease	10 mg/l		Faecal Coliform	<1000 MPN	Complied. Effluent quality monitored every month and quality ensured
Outlet	Parameter	Limiting Standards																		
2	pH	6.5 to 9.0																		
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	Faecal Coliform	<1000 MPN																		
11	The industry shall provide flowmeters at inlet and outlet of STP and maintain logbook for operation of STP.	Complied																		
12	The industry shall not send the effluents to CETP, Naidupeta and shall treat in the inhouse ZLD system only.	Complied. Effluent is treated in ZLD plant.																		
13	The industry shall maintain digital flow meters for the ZLD plant to verify the actual effluent treated and the same be connected to APPCB website.	Digital flow meter available. Connectivity work in progress.																		
14	All the units of ZLD system area shall be maintained impervious to prevent ground water pollution. The units of ZLD system shall be maintained the above ground level. Effluents shall not be discharged on land or into any water bodies or aquifers under any circumstances. The quantity of effluent generation details shall be furnished to concerned RO from time to time.	Complied. PU flooring and FRP coating done on the ZLD floors.																		

15	The industry shall provide & maintain energy meters to ETP, STP and Air Pollution Control Equipment (APC)			Complied.	
16	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	
17	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. Rainwater analysis done and found OK.	
18	The industry shall adopt dry painting process only and there shall not be any wastewater generation from process/washing.			Complied. No wastewater generation from the painting process.	
AIR POLLUTION:					
19	The emissions shall not contain constituents in excess of the prescribed limits mentioned below: Chimney No. Parameter Emission Standards (mg/Nm3) 1 - 8 SPM 115			Complied. Parameters monitored on monthly basis and within limits	
20	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.	
21	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	
22	The industry shall comply with emission limits for DG sets of capacity upto 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)	
23	Painting activity shall be undertaken in enclosed chamber. The industry shall maintain the paint Kline filters. The exhaust gases after filter shall pass through absorbing media like activated carbon for VOC absorption.			Complied.	
24	The industry shall ensure implementation of requisite measures to prevent air pollution, fugitive emission, VOCs and odour nuisance in the surrounding area.			Complied.	
SOLID WASTE					
25	The industry shall dispose solid waste (NON-HAZARDOUS) as follows:				Complied
	S.No	Name of the Waste	Quantity	Disposal option	
	1	Wood	50 Kg/Day	Shall be disposed to outside parties	
	2	Plastic	50 Kg/Day		
26	The industry shall not dispose the solid waste outside the factory premises.			Complied.	
27	The drums containing chemicals/ solvents shall be stored under a roof on elevated platform with a provision of collect leakages/spillages in the collection pit.			Complied.	

28	The industry shall store the hazardous waste in closed shed with dyke wall and leachate collection system.	Complied.
29	The industry shall provide containers detoxification facility. Container & Container liner shall be detoxified at the specified covered platform with dyke walls and the wash wastewater shall be routed to ZLD collection tank.	Complied.
	GENERAL:	
30	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.	Complied. Production within limits as per consent order.
31	The industry shall not manufacture new products, and not exceed the individual products mentioned in this order.	Production within limits as per consent order.
32	The following rules and regulations (as amended and upgraded from time to time) notified by the MOEF&CC, GOI shall be implemented.	
	a. Regulation of persistent organic pollutants rules, 2018	Complied.
	b. Hazardous waste and other wastes (Management and Transboundary movement) Rules, 2016.	Complied.
	c. Plastic waste management rules, 2022.	Complied.
	d. Manufacture, storage and import of hazardous chemical rules,1989.	Complied.
	e. Fly ash notification,2016.	Complied.
	f. Battery waste management rules,2022.	Complied.
	g. E-waste management rules,2022.	Complied.
	h. Construction and demolition waste management rules, 2016.	Complied.
	i. Solid waste management rules,2016.	Complied.
	j. The public liability insurance act,1991 and its amendments thereof.	Complied.
	k. Bio medical waste management rules, 2016.	Complied.
33	The industry shall maintain the following records and the same shall be made available to the inspecting officers of the board:	
	a. Logbooks for pollution control systems.	Records and logbooks being maintained.
	b. Quantity of effluents generated, treated, recycled/reused and disposed.	
	c. Characteristics of ambient air, effluents and emissions.	
	d. Hazardous /non-hazardous solid waste generated and disposed.	
	e. Inspection book.	
	f. Manifest copies of hazardous waste.	
34	The industry shall submit the compliance report to the board every six months. i.e., on 1st of January and 1st of July on the conditions stipulated in the CTO order.	Complied.
35	The industry shall not cause any water pollution/air pollution to the nearby surroundings under any circumstances.	Complied.
36	Green belt shall be developed all along the boundary & vacant spaces with tall growing trees with good canopy and it shall not be less than 33% of the total area.	Complied.
37	The industry shall possess valid NOC issued by the Andra Pradesh State Disaster Response and Fire Service Department.	Complied.
38	The industry shall maintain valid PLI policy which includes environmental relief fund (ERF) and submit copy to concerned RO, on yearly basis.	Complied.
39	The industry shall operate with valid PESO permission.	Complied.
40	The industry shall submit the Environmental statement in Form - V.	Complied.
41	The industry shall install digital display boards at publicly visible places at the main gate indicating the products manufactured Vs permitted quantities, treated effluents concentrations Vs discharge standards, Stack emission & AAQ	Complied. Digital display board installed at main gate

	concentrations Vs standards, hazardous waste generation ,disposed stock Vs permitted quantities and validity of CTO; and exhibit the CTO order at a prominent place in the factory premises, as per honourable supreme court order.	and environmental details displayed.
42	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.
43	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 and report submitted to EE RO. Quantity stored is well below the threshold limit.
44	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 all the employees on Chemical Safety.
45	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.
46	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.
47	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 risk assessment done and submitted to EE RO.
48	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.	Complied. Onsite emergency plan available and the certified copy submitted to EE, RO. Our storage quantity of hazardous chemicals is well below the threshold limits.
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.	OK
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
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. Form 4 submitted as per timeline.
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

29.06.2026



Rajiv Upadhyay

RAJIV UPADHYAY
AUTHORIZED SIGNATORY

Swamy
28/6/26