

HINDALCO INDUSTRIES LIMITED, KUPPAM WORKS

INDUSTRIAL PARK, KUPPAM - 517 425

COMPLIANCE REPORT ON CTE CONDITIONS

Consent Order No: 369 /APPCB/CTE/RO-TPT/HO/2026 dated 07.05.2026

Products & By-products

SI No	Name of the products & by-products	Existing capacity as per CTO order dt. 09.01.2025	Proposed capacity	Total after expansion	STATUS
1	Aluminum Structural/Value added Products	55 MT/Day		55 MT/Day	Complied
2	Aluminium extruded profiles		10000 TPA	10000 TPA	Will be Complied
3	Aluminium Billets		2000 TPA	2000 TPA	Will be Complied

SI No	Condition	Status
1	The industry shall comply with the information submitted to the Board vide dt.18.04.2026	Ok. Will be complied.
2	The industry shall dispose RO Rejects to the ZLD system and shall provide an STP for treating domestic effluent.	Ok. Will be complied.
3	The industry shall re-use the aluminium scrap generated from casting unit	Ok. Will be complied.
4	The industry shall develop an additional green belt in an area of 3 acres for the proposed Expansion	Ok. Will be complied.
5	The industry shall install RTPMS system and shall be connected to APPCB website	Ok. Will be complied.
6	This Consent Order now issued is subject to the conditions mentioned in Annexure	Ok. Will be complied.
7	This order is issued from pollution control point of view only. Zoning and other regulations are not considered	Ok. Will be complied.
8	This order is valid for a period of 7 years from the date of issue	Ok. Will be complied.

ANNEXURE

SI No	Condition	Status
1	The proponent shall obtain Consent to Operate (CTO) from APPCB, as required Under Sec.25/26 of the Water (P&C of P) Act, 1974 and under sec. 21/22 of the Air (P&C of P) Act, 1981, before commencement of the trial runs.	Ok. Will be complied.
2	The applicant shall provide separate energy meters for Effluent Treatment Plant (ETP) and Air pollution Control equipments to record energy consumed. An alternative electric power source sufficient to operate all pollution control systems shall be provided.	Ok. Will be complied.
3	The industry shall construct separate storm water drains and provide rainwater harvesting structures. No effluents shall be discharged into the storm water drains.	Ok. Will be complied.

Water:

4

The source of water is Ground water, and the maximum permitted water consumption is as following:

Purpose	Existing quantity as per CTO dt. 09.01.2025	Proposed quantity	Total after expansion
Process & washing	100.0 KLD	125.0 KLD	225.0 KLD
Washings	50.0 KLD	--	50.0 KLD
Domestic	--	50.0 KLD	50.0 KLD
Cooling	--	150.0 KLD	150.0 KLD
Total	150.0 KLD	325.0 KLD	475.0 KLD

Separate meters with necessary pipeline shall be provided for assessing the quantity of water used for each of the purposes mentioned below.

Ok. Will be complied.

5

The maximum wastewater generation shall not exceed the following:

S. No	Purpose	Existing quantity as per CTO dt. 09.01.2025	Proposed quantity	Total after expansion
a)	Trade effluents (Generated from anodizing and powder coating section)	60 KLD	--	60.0 KLD
b)	Domestic	45.0 KLD	40.0 KLD	85.0 KLD
c)	DM Plant/ regeneration / Fresh water R.O. plant rejects	--	65.0 KLD	65.0 KLD
d)	Process High TDS	--	65.0 KLD	65.0 KLD
	Total	105.0 KLD	170.0 KLD	275.0 KLD

Ok. Will be complied.

Treatment and Disposal:

Outlet No.	Outlet description	Max daily discharge after expansion (KL/Day)	Point of Disposal
1	Trade effluent (Generated From anodizing and powder coating section)	60.0 KLD	The industry shall ensure ZLD system for effluent treatment as follows. - The trade effluent shall be treated in ETP of 90 KLD capacity followed by ZLD system (MVR based evaporation system). - ZLD condensate shall be reused in the industry. - ZLD concentrate shall be sent to the Centrifuge system. - Centrifuge condensate shall be treated in ZLD. - Salts shall be disposed to TSDF.
2	Domestic	85.0 KLD	After treatment in STP of 100 KLD, the treated water shall be used for gardening / greenbelt development.

6	Closed circuit cooling system shall be adopted for cooling system. No waste water shall be discharged outside the factory premises under any circumstances and zero effluent discharge shall be adopted	Ok. Will be complied.																								
7	The industry shall install flow meters with totalizer for the purpose of measuring the quantity of treated effluents recycled for various uses	Ok. Will be complied.																								
Air:																										
8	The Air pollution Control equipment shall be maintained properly to comply with the following for controlling air pollution after expansion: Expansion: <table><tr><th>Sl. No</th><th>Details of Stack</th><th>Stack 10</th><th>Stack 11</th></tr><tr><td>a)</td><td>Attached to:</td><td>Electrical melting and holding furnaces</td><td>Emergency Generator Set</td></tr><tr><td>b)</td><td>Capacity</td><td>25 Tons</td><td>3 MVA</td></tr><tr><td>c)</td><td>Name of the Fuel:</td><td></td><td>(DG / LPG)</td></tr><tr><td>d)</td><td>Stack height above ground (m.)</td><td>20 m</td><td>20 m</td></tr><tr><td>e)</td><td>Air Pollution Control Equipment:</td><td>Blower</td><td>Acoustic enclosure</td></tr></table>	Sl. No	Details of Stack	Stack 10	Stack 11	a)	Attached to:	Electrical melting and holding furnaces	Emergency Generator Set	b)	Capacity	25 Tons	3 MVA	c)	Name of the Fuel:		(DG / LPG)	d)	Stack height above ground (m.)	20 m	20 m	e)	Air Pollution Control Equipment:	Blower	Acoustic enclosure	Ok. Will be complied.
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9	The industry shall provide Continuous online stack monitoring system to all the major stacks attached to furnaces and shall connect to APPCB & CPCB websites as stipulated in the CTO order and directions issued by the CPCB	Ok. Will be complied.																								
10	The existing air pollution control equipment shall be operated effectively such that the particulate matter from the stack comply with the prescribed norms stipulated by CPCB/APPCB.	Ok. Will be complied.																								
11	The industry shall always position the hood over the furnaces to extract the emissions, except during charging of raw materials into the furnace	Ok. Will be complied.																								
12	The proponent shall provide interlocking system between air pollution control equipments / continuous online monitoring system and raw material feeding system so that the feeding of raw material would be stopped automatically incase the air pollution control equipment fails/ emission levels exceed the prescribed standards	Ok. Will be complied.																								
13	All the conveyors shall be covered with G.I sheets to prevent fugitive emissions.	Ok. Will be complied.																								
14	All the raw material & solid waste shall be accommodated under roof covered with required safety ventilation as approved by the competent authorities. There shall not be any open piling-up of raw materials/solid waste in the premises	Ok. Will be complied.																								
15	Secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Board and regularly monitored. Guidelines / Code of Practice issued by the CPCB shall be followed	Ok. Will be complied.																								
16	The industry shall provide dust suppression system at all the discharge and feed points	Ok. Will be complied.																								
17	All the internal roads shall be concreted / asphalted to control fugitive emissions	Ok. Will be complied.																								
18	The industry shall install separate energy meters to air pollution control equipment and maintain records pertaining to operation and maintenance of the control equipment	Ok. Will be complied.																								
19	The proponent shall ensure compliance of the National Ambient Air quality standards notified by MoE&F, GoI vide notification No. GSR 826(E), dated. 16.11.2009 during regular operational phase of the project	Ok. Will be complied.																								
20	A sampling port with removable dummy of not less than 15 cm diameter shall be provided in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc. A platform with suitable ladder shall be provided below 1 meter of sampling port to accommodate three persons with instruments. A 15 AMP 250 V plug point shall be provided on the platform	Ok. Will be complied.																								
21	The generators shall be installed in a closed area with a silencers and suitable noise absorption systems. The ambient noise level shall not exceed 75 dB(A) during day time and 70 dB(A) during night time.	Ok. Will be complied.																								

Hazardous / Solid waste																																																						
22	The industry shall comply with the following for disposal of Solid waste after expansion:																																																					
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23	Proper handling, storage, utilization and disposal of all the solid waste should be ensured and regular report regarding toxic metal content in the waste material and its composition, end use of solid / hazardous waste shall be submitted to the Regional office																																																					
24	The following rules and regulations notified by the MoEF&CC, GoI shall be implemented. 1. Regulation of Persistent Organic Pollutants Rules, 2018. 2. Hazardous waste and other wastes (Management and Trans-boundary Movement) Rules, 2016. 3. Plastic Waste Management Rules, 2016.																																																					
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	4. Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 5. Fly Ash Notification, 2016. 6. Batteries (Management & Handling) Rules, 2010. 7. E-Waste (Management) Rules, 2016. 8. Construction and Demolition waste Management Rules, 2016. 9. Solid Waste Management Rules, 2016. 10. The Public Liability Insurance Act, 1991 and its amendments thereof	
Other conditions		
25	The industry shall comply with the information submitted to the Board vide dt.18.04.2026	Ok. Will be complied.
26	The industry shall dispose RO Rejects to the ZLD system and shall provide an STP for treating domestic effluent	Ok. Will be complied.
27	The industry shall re-use the aluminium scrap generated from casting unit.	Ok. Will be complied.
28	The industry shall develop an additional green belt in an area of 3 acres for the proposed Expansion	Ok. Will be complied.
29	The industry shall install RTPMS system and shall be connected to APPCB website	Ok. Will be complied.
30	The industry shall comply with all the conditions stipulated in the EC order dt. 16.03.2023 issued by MoEF & CC, GOI, New Delhi.	Not applicable. No such EC issued so far.
31	The industry shall comply with all the conditions stipulated in the CTE order dt. 13.02.2024 issued by Board	Not applicable. No such CTE issued so far.
32	The industry shall display online data outside the main factory gate on quantity and nature of hazardous chemicals being used in the plant, water & air emissions and solid waste generated within the factory premises, as per Hon'ble Supreme Court order	Ok. Will be complied.
33	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	Ok. Will be complied.
34	The industry shall submit a copy of the NOC issued by the Andhra Pradesh State Disaster Response and Fire Service Dept., (APSDRFSD) at concerned Regional Office, APPCB	Ok. Will be complied.
35	The industry shall obtain PESO clearance & policy under PLI Act before applying for CTO of the Board	Ok. Will be complied.
36	The industry shall comply with the Technical suggestions at Chapter No. 7.3 & 7.4 for Hazardous Chemical handling industries by High Power Committee (HPC) of Govt. of Andhra Pradesh. The HPC report is available at www.ap.gov.in .	Ok. Will be complied.
37	The industry shall utilize DG power for captive consumption only & power shall not be supplied to grid and shall follow the amendments issued by MoEF & CC/CPCB from time to time on DG sets in respect of conditions & standards	Ok. Will be complied.
38	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	Ok. Will be complied.
39	The industry shall submit compliance to the conditions stipulated in the EC and CTE orders to the concerned Regional Officer of APPCB every six months and shall upload the same at APPCB website viz., https://pcb.ap.gov.in/UI/Submission_Compliance_of_EC_CTE_CTO_Direction.aspx .	Ok. Will be complied.
40	The industry shall submit the information regarding usage of Ozone Depleting Substance once in six months to the Regional Office and Zonal Office of the Board	Ok. Will be complied.
41	Concealing the factual data or submission of false information / fabricated data and failure to comply with any of the conditions mentioned in this order attracts action under the provisions of relevant pollution control Acts	Ok. Will be complied.

42	Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves its right and power Under Sec. 27(2) of Water (Prevention and Control of Pollution) Act, 1974 and Under Sec.21(4) of Air (Prevention and Control of Pollution) Act, 1981 to revoke the order, to review any or all the conditions imposed herein and to make such modifications as deemed fit and stipulate any additional conditions	Ok. Will be complied.
43	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 such authority (hereinafter referred to as the Appellate Authority) constituted under Section 28 of Water (Prevention and Control of Pollution) Act,1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981	Ok. Will be complied.

29.06.2026

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29/6/26



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RAJIV UPADHYAY
AUTHORIZED SIGNATORY