



ANDHRA PRADESH POLLUTION CONTROL BOARD
D.No.33-26-14D/2, Near Sunrise Hospital, Pushpa Hotel
Centre,
Chalamavari Street, Kasturibaipet, Vijayawada - 520 008
Phone. No.0866-2436200, Website : www.pcb.ap.gov.in

**RED CATEGORY
RENEWAL OF CONSENT & HAZARDOUS WASTE AUTHORISATION**

Consent Order No : APPCB/VSP/VSP/65/HO/CFO/2020-

23/12/2020

CONSENT is hereby granted for Operation under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof and Authorisation under Rule 6 of the Hazardous & Other Wastes (Management and Transboundary, Movement) Rules, 2016 and the rules and orders made there under (hereinafter referred to as 'the Acts', 'the Rules') to:

**M/s. Coromandel International Ltd.,
(Sulphuric acid storage & handling facilities at Wharf Area)
Sriharipuram, Malkapuram (PO),
Visakhapatnam
E-mail: kumaresanm@coromandel.murugappa.com**

(Hereinafter referred to as 'the Applicant') authorizing to operate the industrial plant to discharge the effluents from the outlets and the quantity of emissions per hour from the chimneys as detailed below:

i) Out lets for discharge of effluents: NIL

ii) Emissions from chimneys: NIL

iii) HAZARDOUS WASTE AUTHORISATION (FORM - II) [See Rule 6 (2)]: NIL

This consent order is valid for storage of the following products with quantities & activities indicated only:

S. No.	Name of the Product	Quantity
1.	Sulphuric Acid Storage at Wharf area	25,000 MT (2 X 12,500 MT)
2.	Unloading facilities from ship at Wharf area	
3.	Transfer pipelines from at Wharf area to the plant	

This order is subject to the provisions of 'the Acts' and the Rules' and orders made thereunder and further subject to the terms and conditions incorporated in the schedule A, B & C enclosed to this order.

This combined order of consent & Hazardous Waste Authorisation shall be valid for a period ending with the **31st day of December, 2024.**

DR.

B.MADHUSUDHANA RAO, JCEE(MSRB), O/o JOINT CHIEF ENVIRONMENTAL ENGINEER4-APPCB

To

**M/s. Coromandel International Ltd.,
Sriharipuram, Malkapuram (PO),
Visakhapatnam**

Copy to:

1. The Joint chief Environmental Engineer, Zonal Office, **Visakhapatnam** for information and necessary action.
2. The Environmental Engineer, Regional Office, **Visakhapatnam** for information and necessary action.

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.
2. The industry should carryout analysis of waste water discharges or emissions through chimneys for the parameters mentioned in this order on quarterly basis and submit to the 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.
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.
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.
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.
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.
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. 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.

9. 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.
10. 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.
11. The industry may explore the possibility of tapping the solar energy for their energy requirements.

SCHEDULE - B

WATER POLLUTION:

1. There shall not be any spillages of chemicals / effluents on ground. The industry shall provide proper dyke wall around the acid storage tanks lined with acid proof bricks.
2. The spillages if any shall be collected properly and the same shall be treated in the ETP located in the plant premises.
3. Proper drainage system shall be maintained so that rain water shall not be allowed to mix with either trade or domestic effluents.

AIR POLLUTION:

4. The industry shall comply the standards for emission and discharges for all other parameters as per the standards notified by MoEF, Vide GSR No. 446 (E), Dt.13.06.2011. and amendments thereof, for Pesticides manufacturing & Formulation industry.
5. The industry shall comply with ambient air quality standards of PM₁₀ (Particulate Matter size less than 10 microns) - 100 micro grams/ m³; PM_{2.5} (Particulate Matter size less than 2.5 microns) - 60 mg/ m³; SO₂ - 80 micro grams/ m³; NO_x - 80 micro grams/m³, outside the factory premises at the periphery of the industry.
Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009
Noise Levels: Day time - (6 AM to 10 PM) - 75 dB (A)
Night time - (10 PM to 6 AM) - 70 dB (A).
6. 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.
7. The industry shall ensure that there shall be no emissions from the Sulphuric acid handling area ie. from ship, storage tanks and pipelines etc.

GENERAL:

8. The industry shall share the updated onsite emergency plan with the surrounding organizations i.e Indian Navy and M/s. HPCL- Visakh Refinery.
9. The industry should maintain thick green belt to cover atleast 33% of the total area.
10. The facility shall provide and operate SCADA (Supervisory Control and Data Automation) system for flow and controlling of valves etc and Integrated Management System for maintaining and operating the pipelines efficiently.
11. The facility shall take all precautionary safety measures during operation of pipeline.
12. Only flame proof motors shall be used in the facility.
13. Emergency visual indicators which carry the following information shall be installed at the main gate and other important points in the facility so that all employees can access critical information within 2 minutes declaring an emergency :
 - a. Emergency level
 - b. Evacuation distance.
 - c. Location of incident.
 - d. Other locations at risk
 - e. Which direction to evacuate in
 - f. Usable assembly points.
 - g. Distinct warning sirens shall be used for different emergency levels.
14. The power mains switches shall be such that the power to the facility be shut without affecting power for emergency utilities, control room, sprinkler systems, ROVs, emergency material transfer pumps, telephones, etc.
15. Mock drills shall be conducted at least twice a year.
16. Employees shall be trained in spill control and containment, fire fighting, rescue and medical emergency management.
17. The Disaster Management Plan (DMP) shall be updated every year or if any changes are made in the installation. or other outside facilities which may materially affect the installation.
18. The facility shall enter into a mutual aid scheme with other facilities, which are in position to provide emergency aid.
19. Escape pathways from various places where people work shall be marked with yellow road paint and sign boards.
20. Yellow coloured windsock(s) shall be positioned such that they are easily visible to all persons in the plant. One of them shall be lit at night.
21. The onsite emergency control room shall contain the following material:
 - a. Phones - external and internal
 - b. Plant layout and plant vicinity maps
 - c. Coloured pins and flags to mark the maps.
 - d. A wall blackboard
 - e. Non-sparking electrical fittings and non-static and non-sparking carpet.
 - f. Emergency lighting
 - g. Walkie-talkie sets.
 - h. Respirators, personal protection clothing, non-sparking tools.
 - i. Loud hailers
 - j. Keys to safety equipment store.
 - k. A list of employees and contract workers with their home addresses, telephone numbers.
 - l. A list of employees and contract workers working in each shift - to be updated as necessary.
 - m. Important telephone numbers of civil authorities hung on a wall.
 - n. At least 3 copies of the DMP.

22. A safety policy shall be written and circulated amongst all employees along with material safety data sheets and other safety information.
23. No smoking booths, canteens and other voluntary ignition sources shall not be permitted within the facility.
24. Unauthorized personnel shall not be allowed inside the facility.
25. Proof of having insured the facility under the public liability insurance act shall be submitted to the Regional Office - Visakhapatnam annually.

Special conditions:

26. 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.
27. 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.
28. The industry shall identify major accident hazard chemicals & list out the hazardous chemicals endangered to human health & environment, and the details shall be furnished to the Factories Department and the Regional Office, APPCB time to time duly certifying the same by the industry. Further, the industry shall extend training to the working personnel while handling hazardous chemicals for the prevention of accidents and necessary antidotes to ensure safety, as per the MSIHC Rules, 1989.
29. 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. The industry shall install fluorescent Wind Vane at the highest point in the industry premises.
30. The industry shall inventory the hazardous wastes and its quantities stored within the industry premises as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 (HOWM Rules, 2016) and shall furnish the details to Regional Office, APPCB on a monthly basis duly certifying the same by the industry.

SCHEDULE - C

[see rule 6(2)]

**[CONDITIONS OF AUTHORISATION FOR OCCUPIER OR OPERATOR HANDLING
HAZARDOUS WASTES]**

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
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.
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.
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;
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”.
 7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
 8. An application for the renewal of an authorisation shall be made as laid down under these Rules.
 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.

Specific Conditions:

10. 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.
11. The industry shall not store hazardous waste for more than 90 days as per the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.
12. 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.
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.
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.
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.
16. Hazardous Waste annual return shall be filed by June 30th for the period ensuring 31st March of the year.

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 MoEF&CC recognized and National Accreditation Board for Laboratory Testing (NABL) accredited third party.

DR. B.MADHUSUDHANA RAO, JCEE(MSRB), O/o JOINT CHIEF ENVIRONMENTAL ENGINEER-4-APPCB

To

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