



ANDHRA PRADESH POLLUTION CONTROL BOARD
Paryavaran Bhavan, APIIC Colony Road,
Gurunanak Colony, Autonagar, Vijayawada- 520007
Phone. No.0866-2463200, Website : <https://pcb.ap.gov.in/>



RED CATEGORY
CONSENT TO OPERATE & HAZARDOUS WASTE AUTHORIZATION ORDER

Consent Order No : APPCB/VSP/KKD/97/HO/CTO/2024 Date: 05/06/2024

CONSENT is hereby granted to Operate under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 /22 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof and Authorization 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 Limited.,
(Expansion: Nano DAP/ Nano Urea Plant)
D.No. 3-15/1, Beach Road,
Vakalapudi(V), , Kakinada Rural,
Kakinada District.
E-mail: srinivasaraoch@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. Outlet for discharge of effluents:

Outlet No.	Outlet Description	Max Daily Discharge KLD	Point of Disposal
1.	Process (Clarifier),	8.5	Shall be recycled in the process of DAP/NPK/Nano DAP/Nano Urea plant.
	Softener regeneration	16.0	
2.	Domestic	1.0	Shall be treated in the STP (100 KLD) and treated water shall be used for onland irrigation within the industry premises.
	Total	25.5 KLD	

ii. Emissions from chimneys:

Chimney No.	Description of Chimney	Quantity of Emissions in m ³ /hr. at peak flow
XV	Attached to Nano DAP/ Nano urea	--

iii. Hazardous Waste Authorization (Form – II) [See Rule 6 (2)]:

M/s. Coromandel International Limited., Beach Road, Kakinada, Kakinada District is hereby granted an authorization for generation collection, reception, storage, transport and disposal of the following wastes with quantities as below:

● **Hazardous Wastes With Recycle Option:**

S.No	Name of the Hazardous Waste	Stream	Quantity	Disposal Option
1.	Used lubricating oil / Waste oil	5.1 of Schedule-I	1500 LPA	Shall be routed through APEMC to Authorized Re- processors be routed through APEMC to Authorizeed Reprocessors
2.	Spent Ion Exchange Resin from DM Plant	35.2 of Schedule-I	2.0 TPA (Generation as per resin change over requirement)	Shall be routed through M/s. APEMCL to TSDF Parawada / Pre – processors/Co-processing.

This consent order is valid to manufacture the following products along with quantities indicated only:

S. No.	Product	Quantity
1	Nano DAP/Nano Urea	30,000 KLPA

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 order is issued subject to final order of Hon'ble court law.

This combined order of consent to operate & Hazardous Waste Authorization shall be valid for a period ending with the **30th day of September, 2026.**

B SREEDHAR IAS, MS(BS), O/o MEMBER SECRETARY-APPCB

To
M/s. Coromandel International Limited,
D.No. 3-15/1, Beach Road,
Vakalapudi(V), , Kakinada Rural,
Kakinada District.

Copy to:

1. The JCEE, Zonal Office, Visakhapatnam for information and necessary action.
2. The EE, Regional Office, Kakinada 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. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. The industry may explore the possibility of tapping the solar energy for their energy requirements.
11. The industry should educate the workers and nearby public of possible accidents and remedial measures.

SCHEDULE – B

1. The issue of CTO&HWA (Expansion) to the industry was placed in the Consent Management Committee meeting held on 28.05.2024. The industry shall comply with the following conditions:

- i. The industry shall conduct the HAZOP Study recommendations, As the Fishermen habitation at a distance of about 300 mtrs towards North - East direction
- ii. The industry shall submit a report on recycling of treated effluent into the process to achieve zero discharge except during rainy season.
- iii. The industry shall comply with the orders of Hon'ble High Court of A.P, in Writ Petition No.10189 of 2024.

Water Pollution:

2. The source of water is Samalkot Canal. The following is the permitted water consumption:

S.No	Purpose	Quantity (KLD)
1.	Process and Washing	496.5
2.	Gardening / Fire Hydrant	0.5
3.	Domestic	3
	Total	500 KLD

3. The effluent discharged shall not contain constituents in excess of the tolerance limits mentioned below:

Outlet	Parameter	Limiting standards
2	pH	6.5 – 8.5
	Oil and Grease	10 mg/l
	Biochemical Oxygen Demand	30 mg/l
	Total Suspended Solids	<100 mg/l
	Fecal Coliform (FC) (Most Probable Number per 100 milliliter, MPN/100ml)	<1000 MPN/100 ml

The industry shall maintain separate meters with necessary pipe-line for assessing the quantity of water used for each purpose.

4. The effluent discharged shall comply with the tolerance limits mentioned as per MoEF notification dated 29.12.2017 prescribed for Fertilizer industry.
5. The industry shall maintain digital flow meters with totalizer for water consumption, waste water generation mentioned in CTO Order; quantity of effluents being used for recycling in the process; for onland plantation separately and maintain records.
6. The industry shall maintain digital flow meters with totalizer and web camera as per CPCB directions dated 05.02.2014 and 02.03.2015.
7. The industry shall maintain and operate STP properly for treatment and disposal of domestic effluents and maintain records.
8. Rain water shall not be allowed to mix with either trade or domestic effluents. Industry shall maintain storm water drains properly.
9. Floor washings shall be admitted into effluent collection system only and shall not be allowed to find their way into storm water drains or open areas.
10. Effluents shall not be discharged onland or any water bodies or aquifers or outside under any circumstances.
11. The industry shall maintain dry condition outside drains in non-rainy season.
12. The industry shall submit a report on recycling of treated effluent into the process to achieve zero discharge except during rainy season.

Air Pollution:

13. The emissions shall not contain constituents in excess of the prescribed limits mentioned below:

Chimney No.	Parameter	Emission Standards
XV	Particulate Matter	115 mg/Nm ³

14. The industry shall comply with emission limits for DG sets of capacity upto 800 KW

as per the Notification G.S.R.804 (E), dated 03.11.2022 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.

15.The industry shall comply with the noise limits for DG sets (upto 1000 KVA) as per 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.The industry shall comply with the noise limits for DG sets (upto 1000 KVA) as per 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.

16.The industry shall comply with ambient air quality standards of PM10(Particulate Matter size less than 10mm) - 100 mg/ m³; PM2.5(Particulate Matter size less than 2.5 mm) - 60 mg/ m³; SO₂ - 80 mg/ m³; NO_x - 80 mg/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 shall be complied. Following standards prescribed for noise shall be complied.

Noise Levels: Day time - (6 AM to 10 PM) - 75 dB (A)

Night time - (10 PM to 6 AM) - 70 dB (A).

17.The industry shall provide a sampling port with removable dummy of not less than 15 cm diameter 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.

18.The industry shall properly maintain online pH measuring facility with auto recording system to the scrubbers provided to treat the process emissions.

19.The industry shall explore the possibility of reducing the inventory of Ammonia in the plant premises.

20.The industry shall provide energy meters to STP and air pollution control equipment and maintain records.

21.The industry shall not cause any air / odour pollution problems to the surrounding Environment.

22.The industry shall take all necessary steps to control Fugitive emissions generated from the process plants.

23.The industry shall monitor work place online ammonia levels with online sensors in process area and maintain records.

24.The industry shall take all the measures to ensure no leakages of Ammonia at the work area.

General:

25.The industry shall not manufacture new products and not exceed the individual products mentioned in this order.

26.The industry shall store the hazardous waste in closed shed with dyke wall and leachate collection system.

27.The drums containing chemicals / solvents shall be stored under a roof on elevated platform with a provision to collect leakages / spillages in the collection pit.

28.The industry shall not dispose any non-hazardous waste outside the industry premises. The industry shall dispose other non-hazardous wastes as per the disposal option specified below:

S. No	Name of the Non-Hazardous waste	Quantity	Method of Disposal
1.	Filter Sludge (Nano Plant)	30 kg/day	Mixed with water and reused for horticulture/green belt purpose or will be used as filler in bulk phosphatic fertilizer manufacturing facility.

29. The industry shall take all safety measures and provide firefighting equipment in the plant.

30. The industry shall maintain good housekeeping within the industry premises.

31. The industry shall maintain the following records and the same shall be made available to the inspecting officers of the Board:

- a. Daily production details.
- b. Quantity of Effluents generated, treated, recycled/reused and disposed.
- c. Log Books for pollution control systems.
- d. Characteristics of effluents and emissions.
- e. Hazardous/non hazardous solid waste generated and disposed.
- f. Inspection book.
- g. Manifest copies of effluents / hazardous waste.

32. The industry shall comply with the Plastic Waste Management Rules, 2016 and amendments thereof.

33. The industry shall maintain valid PLI policy which includes Environmental Relief Fund (ERF) and submit copy to RO, Kakinada on yearly base.

34. The following rules and regulations notified by the MoEF& CC, GoI shall be implemented.

- a. Hazardous waste and other wastes (Management and Transboundary Movement) Rules, 2016.
- b. Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989.
- c. Fly Ash Notification, 2016.
- d. Batteries (Management & Handling) Rules, 2010.
- e. E-Waste (Management) Rules, 2016.
- f. Construction and Demolition waste Management Rules, 2016.
- g. Bio-medical Waste Management Rules, 2016

35. The industry shall comply with the Regulation of Persistent Organic Pollutants Rules, 2018 notified by the MoEF&CC Notification vide G.S.R. 207 (E) dated 30.05.2018. As per the notification, the following 7 chemicals are prohibited to manufacturer, trade, use, import and export:

- i. Chlordecone,
- ii. Hexabromobiphenyl,
- iii. Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octa-BDE),
- iv. Tetrabromodiphenyl ether and pentabromodiphenyl ether (commercial penta-BDE),
- v. Pentachlorobenzene,
- vi. Hexabromocyclododecane and
- vii. Hexachlorobutadine.

36. The industry shall submit the information regarding usage of Ozone Depleting Substance once in six months to the Board.

37. The industry shall submit AAQ monitoring reports conducted by authorized agency every month.

38. The industry shall comply the conditions stipulated in the EC order dt.25.04.2024 for Amalgamation of ECs and amendment/expansion of fertilizer plants.

- 39.The industry shall comply the conditions stipulated in the CTO order dt.07.03.2024 and CTE (Exp) order dated 08.05.2024.
- 40.Writ Petition No.10189 of 2024 filed before Hon'ble High Court of A.P by Sri Vasamsetti Ramakrishna Rao, S/o. Gangaraju, & Sri. Keta Srinivasa Rao, Kakinada Rural Mandal, Kakinada, East Godavari District. This order is subject to the condition of outcome of court order.\
- 41.The industry shall develop relocation of existing greenbelt as per EC dt.25.04.2024.
- 42.The industry shall comply with the conditions of the CTE orders dt.09.11.2022 & 16.04.2024 and CTO order dt.07.03.2023.
- 43.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.
- 44.The industry shall comply with SoPs issued by CPCB time to time for all the wastes.
- 45.The industry shall install digital display boards at publicly visible places at the main gate indicating the products manufactured Vs permitted quantities, treated effluent concentrations Vs discharge standards, stack emission & AAQ 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 Hon'ble Supreme Court order.
- 46.The industry shall submit Half yearly compliance reports to all the stipulated conditions in Environmental Clearance (EC), Consent to Establishment (CTE) and Consent to Operation (CTO) 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.
- 47.The industry shall comply with conditions stipulated in EC, CFE orders and Taskforce directions issued by the Board from time to time.
- 48.Any other directions / circulars / notices issued by CPCB, MoEF&CC and APPCB shall be followed from time to time.
- 49.The conditions stipulated are without prejudice to the rights and contentions of this Board in any Hon'ble Court of Law.

Special conditions:

- 49.The industry shall operate with valid Fire NOC issued by the Andhra Pradesh State Disaster Response and Fire Service Dept., (APSDRFSD) at concerned Regional Office, APPCB.
- 50.The industry shall operate with valid PESO permission.
- 51.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.
- 52.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.
- 53.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.
54. The industry shall carry out 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.
 55. The industry shall install fluorescent Wind Vane at the highest point in the industry premises.
 56. 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.
 57. 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.
 58. 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.
 59. 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.

SCHEDULE – C

[See rule 6(2)]

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

1. The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the State Pollution Control Board.
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the Hazardous and other wastes except what is permitted through this authorization.
4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
5. The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization 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 authorized 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 authorized person to take prior permission of the State Pollution Control Board to close down the facility.
8. An application for the renewal of an authorization 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.

10. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
11. The authorized person shall not store hazardous waste for more than 90 days as per the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016.
12. The authorized person 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 buy back basis.
13. The authorized person 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 authorized person shall maintain proper records for Hazardous & other wastes stated in Authorization 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 6 (5) of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 and amendments thereof by June 30th for the period ensuring 31st March of the year.
15. The authorized person shall submit the condition wise compliance report of the conditions stipulated in Schedule A, B &C of this Order on half yearly basis to Board office and concerned Regional office.

B SREEDHAR IAS, MS(BS), O/o MEMBER SECRETARY-APPCB

**To
M/s. Coromandel International Limited,
D.No. 3-15/1, Beach Road,
Vakalapudi(V), , Kakinada Rural,
Kakinada District.**