



ANDHRA PRADESH POLLUTION CONTROL BOARD
Dr. YSR 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 & AUTHORIZATION ORDER

Consent Order No : APPCB/VSP/65/CFO/HO/1967 -

Dt. 04/08/2023

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 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 Limited,

(After Expansion)

Sriharipuram, Malkapuram (PO)

Visakhapatnam - 530 011

Email : nagarajud@coromandel.murugappa.com ; mishraVK@coromandel.murugappa.com ; nagarjunap@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:

Outlet No.	Outlet Description	Max Daily Discharge (KLD)	Point of Disposal
1.	Process and Washings	1,800	<ul style="list-style-type: none"> Process effluents shall be recycled / reused within factory premises to achieve Zero discharge except during rainy season In case of low load plant operations and during rainy season, the quantity of effluent generated from Phosphoric acid post enhancement is 1800 KLD which shall be treated in the existing ETP plant and discharged along with once through cooling blow down through Meghadrigedda surplus course that joins Bay of Bengal
2.	Cooling tower blow down & Desalination Plant RO Rejects	91,600	Into Meghadrigedda surplus course that joins Bay of Bengal
3.	Domestic	530	The industry treat the waste water in the STP, after treatment in the STP the treated waste water shall be Recycled / reused within the factory premises.
	Total	93,930	

ii) Emissions from chimneys:

Chimney No.	Description of Chimney	Quantity of Emissions in m ³ /hr. at peak flow
1.	Attached to 1700 TPD Sulphuric Acid Plant	1,15,357Nm ³ /hr
2.	Attached to 400 TPD* Sulphuric Acid Plant	33,333 Nm ³ /hr
3.	Attached to 700 TPD Phosphoric Acid Plant	1,82,000 Nm ³ /hr
4.	Attached to 40 TPH Rock Grinding unit	15,000 m ³ /hr
5.	Attached to 20 TPH Rock Grinding unit	15,000 m ³ /hr
6.	Attached to Complex A-Train	2,60,700 Nm ³ /hr
7.	Attached to Complex B-Train	2,60,700 Nm ³ /hr
8.	Attached to Complex C-Train	2,67,850 Nm ³ /hr
9.	Common stack attached to Drier (2 Nos.) & process coolers (2 Nos) of 300 TPD customized fertilizer	---
10.	Attached to 1.5 TPH Oil Fired Boiler	12,000 Nm ³ /hr
11.	Attached to 4 MW D.G. Set	--
12.	Attached to 4 MW D.G. Set	--
13.	Attached to 900 TPD Phosphoric Acid Plant	35,000 Nm ³ /Hr
14.	Attached to 75 TPH Rock Phosphate grinding Unit	30,000 Nm ³ /Hr
15.	Attached to 40 TPH Coal Fired Boiler (6.7 MW) & Back pressure Turbine 5 MW	67,200 Nm ³ /Hr
16.	Attached to 910 KVA D.G. Set	--
17.	Attached to 2000 TPD SulphuricAcidPlant-3	1,61,000 Nm ³ /Hr
18.	Attached to 500 KVA D.G. Set	---
19.	Attached to 750 KVA D.G. Set	---

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

M/s. Coromandel International Limited, Sriharipuram, Malkapuram, Visakhapatnam District, is hereby granted an authorization to operate a facility for collection, reception, storage, treatment, transport and disposal of Hazardous Wastes namely:

● HAZARDOUS WASTE WITH DISPOSAL OPTION

S.No	Name of the waste	Stream	Quantity	Disposal Option
1.	Acid residues (Tank bottom sludge)	34.2 of Schedule-I	60 TPA	Recycle back into phosphoric acid reactor
2.	Sulphur muck (Sulphur sludge)	Class B (Sl.No.37) of Schedule-II	1500 TPA	Recycle back into the process as a filler material in the granulation plant
3.	Spent catalyst	18.1 of Schedule-I	115 TPA	Shall be routed through APEMC, to Authorised Reprocessors / Recyclers / TSDF, Parawada / Pre – processors
4.	Used lubricating oil/drained oil	5.1 of Schedule - I	60 KLPA	Shall be routed through APEMC to Authorised Reprocessors / Recyclers

5.	Detoxified Containers and container liners	33.1 of Schedule-I	15000 Nos/Anum	Shall be routed through APEMC to TSDF for detoxification and disposal / outside agencies / return to dealers, after detoxification
6.	LSHS Sludge	34.2 of Schedule-I	15TPA	Shall be routed through APEMC to cement industries for co-processing / TSDF, Parawada / Pre – processors
7.	Scrubbing sludge	37.1 of Schedule-I	450 TPA	Reuse back in the process
8.	ETP sludge	35.3 of Schedule –I	1200 TPA	Recycle back into process
9.	Off specified , expired chemicals & lab chemicals etc.	28.4 of Schedule –I	50 TPA	Shall be routed through M/s. APEMCL to TSDF Parawada for incineration /Landfill /Authorised Cement Industries for Co-Processing
10.	Glass wool	33.2 of Schedule –I	8 TPA	Shall be routed through M/s. APEMCL to TSDF Parawada for Landfill
11.	Insulation puf	33.2 of Schedule –I	8 TPA	Shall be routed through M/s. APEMCL to TSDF Parawada for Incineration

● OTHER THAN HAZARDOUS WASTE WITH DISPOSAL OPTION

S.No	Name of the waste	Quantity	Disposal Option
1.	e-waste	25 TPA	Authorised e-waste recyclers / dismantlers
2.	Fly ash	25 TPD	To cement industries / brick manufacturing units

The Consent Order No. APPCB/VSP/65/CFO/HO/1967 dated 30.09.2022 and amendment of CTO dt. 01.02.2023 valid upto 31.08.2027 stands cancelled from date of issue of this order. This consent order is valid to manufacture the following products along with quantities indicated only:

S.No.	Products	Quantity
1	Complex Fertilisers	4210 TPD*
2	Customized Fertilizer plant (Customized Fertilizersor Organic Fertilizersor Bio Stimulantsor Soil conditioners or Mixture of fertilizers) (or)	
3	Water soluble fertilizer plant	
	100% Water soluble complex fertilizers/ 100% water soluble mixture of fertilizer (or)	
	Micronutrient mixtures (powder/ liquid/ granular) (or)	
	Chelated Micronutrients (powder/ liquid/ granular) (or)	

	Urea Phosphate (or)	
	Micronized / Nano Sulphur	
4	H ₂ SO ₄	4100 TPD (SAP1 – 1700 TPD & SAP2-400 TPD, SAP3- 2000 TPD)
5	Bentonite Sulfur /Bentonite Sulphur with micronutrients	200 TPD
6	Phosphoric Acid	1600 TPD
7	Fertilizer Technology Centre (<i>Granulation</i>) – <i>Straight or Complex or Fortified or Organic or Bio stimulants or Soil conditioner or Mixture of fertilizers</i>	19 TPD
8	Fertilizer technology centre - Phosphoric acid	0.83 TPD
9	Sulpho Zinc & Sulpho Boron	50 TPD
10	Liquid Fertilizer plant – <i>Liquid Suspension or Liquid solution of primary nutrients (N,P,K)/Micronutrients/Secondary nutrients / Organics/Bio Stimulants/Nano fertilizers</i>	6.0 TPD
11	Desalination Plant	6 MLD
By-Products:		
12	Gypsum	8000 TPD
13	Hydroflorosilicic Acid	40TPD
Bulk storage facilities at site		
14	Ammonia (1x5000 MT + 1x7500 MT)	12500 MT
15	Sulphuric acid (1X4000 MT + 3X 2500MT) + 4x5000MT + 2 X 12500 MT	56500 MT
16	Phosphoric acid (P ₂ O ₅)	32890 m ³ (2 X 310 m ³ + 7 X 610 m ³ + 7 X 1000 m ³ + 3 X 3000 m ³ + Wharf - 2 X 6000 m ³ = 12000 m ³)
17	Molten sulphur **	18000 MT (2 X 7500 MT these two storage tanks located at wharf area + 2 X 1500 MT)
18	LSHS	1193 KL (2 X 500 KL + 1 X 160 KL + 33 KL)
19	Diesel	96 KL (2 X 10 KL + 1 X 16 KL + 60 KL)

20	Kerosene	1 X 50 KL
21	LPG	870 Kg

*** The industry shall produce either individual fertilizers or combination of the fertilizers at any point of time without increase in the total permitted capacity of fertilisers 4210 TPD.**

**** Molten sulphur capacity 2 X 7500 MT as per CFE dt.18.11.2021.**

Note: The industry has dismantled Petrol tank and same was deleted.

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 to operate & Hazardous Waste Authorisation shall be valid for a period ending with the **31st day of August, 2027.**

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

**To
M/s. Coromandel International Limited,
Sriharipuram, Malkapuram (PO)
Visakhapatnam - 530 011**

Copy to:

1. The JCEE, Zonal Office, **Visakhapatnam** for information and necessary action.
2. The EE, Regional Office, **Visakhapatnam** for information.

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

The issue CTO &HWA (Expansion) to the industry was placed in the Consent Management Committee meeting held on 25.07.2023. The industry shall comply with the following conditions:

1. The industry shall provide permanent pipe line arrangement for lifting leachate generated from ETP sludge storage shed to the ETP for treatment.
2. The industry shall maintain good housekeeping within the factory premises.
3. The industry shall upgrade STP to treat the domestic wastewater of 530 KLD, until then the industry shall restrict the wastewater generation to 300 KLD, as the industry is having STP of capacity 300 KLD only to treat the wastewater.
4. The industry shall furnish emission loads of SO₂ & acid mist for all Sulphuric acid

plants.

5. The industry shall develop balance greenbelt with native species of the total area within 3 months to achieve 33% of greenbelt.

WATER POLLUTION:

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

Outlet	Parameter	Limiting Standards
1 & 2	pH	6.5 – 8.5
	Ammonical Nitrogen	50 mg/l
	Free Ammonical Nitrogen	4.0 mg/l
	Total Kjeldahl Nitrogen	75 mg/l
	Nitrate Nitrogen	20 mg/l
	Cyanide as CN	0.1 mg/l
	Vanadium as V	0.2 mg/l
	Arsenic as As	0.2 mg/l
	Phosphate as P	5 mg/l
	Suspended solids	100 mg/l
	Oil and Grease	10 mg/l
	Fluoride as F	10 mg/l
	Hexavalent Chromium as Cr	0.1 mg/l
	Total Chromium as Cr	2.0 mg/l
	BOD	30 mg/l
	COD	250 mg/l
	Temp :- Not more than 5 °C higher than intake water.	
3	pH	6.50 – 8.50
	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

Note: (i) Chromium salt shall not be used in cooling tower as algicide. (ii) The effluent shall be analysed for Vanadium and Arsenic once in a year and analysis report shall be submitted to the concerned State Pollution Control Board / Pollution Control Committee.

7. The source of water is GVMC, Sea drawl & Desalination Plant. The following is the permitted water consumption:

S.NO.	Purpose	Quantity (KLD)
1	Process & Washes	Total – 16600 (Existing 10,350 + SAP3-1800 + PAP-2400 KLD) + Expansion= 2050 (SAP - 650+ PAP-1400)
2	Industrial Cooling (Make up) – Fresh Water (from GVMC or from De-salination plant or combination of both)	
3	Boiler feed	

4	Domestic & Other	
	Subtotal	16600
5	Sea water (Industrial cooling & Desalination Plant of 6 MLD capacity)	84600+16000 = 100600
	Grand Total (kl)	1,17,200

8. The effluent discharged shall comply with the tolerance limits mentioned as per MoEF notification dated 29.12.2017 prescribed for Fertilizer industry.
9. The industry shall maintain the following:
 - a. Electro Magnetic flow meters with totalisers for water used and effluent generation for different purposes as mentioned in this CTO order.
 - b. Proper records for effluent generation, treated, reused and discharged into meghadrigedda.
 - c. Water flow meter at Leachate Collection pit provided for Gypsum storage yard to quantify the effluents recycled and shall maintain registers.
10. The effluents shall be stored in above ground level collection tanks separately.
11. Effluents shall not be discharged onland or any water bodies or aquifers or outside under any circumstances. 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. The industry shall maintain separate storm water drains and provide rain water harvesting structure.
12. Container, Container liners shall be detoxified at the specified covered platform with dyke walls and the wash wastewater shall be routed to low TDS collection tank.
13. The industry shall comply with the standard for fluoride (1.5 mg/l) in piezo well water samples and shall not exceed the standard
14. The industry shall submit details of maintaining temperature difference (DT) of 5⁰C before disposal to Sea via Megadri gedda every month.
15. The industry shall provide online effluent monitoring system for pH, BOD, COD, TSS, Phosphates, Fluorides, temperature with online connectivity to CPCB / APPCB as per CPCB directions dated 05.02.2014 and 02.03.2015.
16. The industry shall ensure that no Fluoride contamination in two piezo wells and monitor piezo wells on monthly basis. The industry shall submit trends every 3 months to RO, Visakhapatnam.

AIR POLLUTION:

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

Chimney No.	Parameter	Emission Standards
	Acid mist	20 mg/Nm ³

1	SO ₂ SO ₃	1 Kg/MT of product 0.35 Kg/MT of product
2	Acid mist SO ₂ SO ₃	20 mg/Nm ³ 0.65 Kg/MT of product 0.35 Kg/MT of product
3 & 13	Total Fluoride PM	20 mg/Nm ³ 50 mg/Nm ³
4,5 & 14	PM	50 mg/Nm ³
6 - 8	Particulate Matter Fluorine Ammonia	45 mg/Nm ³ 4 mg/Nm ³ 165 mg/Nm ³
9	Particulate Matter	50.00 mg/Nm ³
11, 12	Particulate Matter	115.00 mg/Nm ³
15	PM	50.00 mg/Nm ³
17	Acid mist SO ₂ SO ₃	20 mg/Nm ³ 1 Kg/MT of product 0.35 Kg/MT of product

18.The industry shall comply with emission limits for DG sets upto 800 KW as per the Notification G.S.R.520 (E), dated 01.07.2003 under the Environment (Protection) Amendment Rules, 2003 and G.S.R.448(E), dated 12.07.2004 under the Environment (Protection) Second Amendment Rules, 2004. In case of DG sets 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.

19.The industry shall comply with ambient air quality standards of PM10 (Particulate Matter size less than 10 microns) - 100 micro gram/ m³; PM2.5 (Particulate Matter size less than 2.5 microns) - 60 micro gram/ m³; SO₂ - 80 micro gram/ m³; NO_x - 80 micro gram/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).

20.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.

21.The industry shall properly maintain 400 MTPD evaporation system for Phosphoric

Acid including Fluorine recovery system as stipulated in the EC order dt.14.07.2017. The industry shall recover fluorine from phosphoric acid process to maximum extent possible.

- 22.The industry shall operate bulk handling mechanism like telescopic chute system at all raw material storage ware houses and ensure that there shall not be fugitive emissions from the raw material handling warehouses. The industry shall cover all directions of the feeding area of rock phosphate and rectify the fugitive leakages, if any.
- 23.The industry shall maintain online stack analyzers for all the stacks of complex fertilizer plant for monitoring ammonia, PM and fluorine and one analyser for monitoring fluorine in Phosphoric Acid Plant with online connectivity to CPCB/APPCB as per CPCB directions dated 05.02.2014 and 02.03.2015. The industry shall maintain the online analyzer facility for monitoring of Fluoride in the Phosphoric Acid plant immediately. The data shall be connected to the CPCB / APPCB servers.
- 24.The industry shall maintain 3 online CAAQM Stations within the plant as per the specifications of CPCB for online monitoring of SPM, RSPM, SO₂, NO_x & Ammonia with networking facility to Head Office, APPCB.
- 25.The industry shall maintain automatic caustic lye solution dosage for the scrubbers provided in the Sulphuric acid plant so as to maintain pH below 8 in acidic scrubbers provided in the plant. The industry shall maintain online pH measuring facility with auto recording system to the alkali scrubbers provided to treat the sulfuric acid plant emissions.

GENERAL:

- 26.The industry shall not manufacture new products and not exceed the consented capacity without CTE/CTO of the Board.
- 27.The industry shall evaporate (concentrate) Phosphoric acid to reduce Fluorine so as to reduce fluorine input to complex fertilizer plant;
- 28.Housekeeping shall be improved through closed transportation systems. Road sweeping machine shall be deployed for control of dust near Gypsum yard.
- 29.The industry shall maintain Hazardous waste storage area with concrete platform and leachate collection pit for storage of ETP sludge.
- 30.The industry shall comply with the guidelines issued by the CPCB regarding storage & handling of gypsum.
- 31.The industry shall not start-up the Sulfuric acid plants during night time i.e. between 6.00 PM to 8: 00 AM.
- 32.The industry shall operate bag filters at hopper i.e. rock phosphate unloading point at wharf to arrest the fugitive emissions.
- 33.The industry shall maintain the internal roads within the factory premises.
- 34.The industry shall update the Disaster Management Plan regularly.

- 35.The industry shall monitor work place online ammonia levels with online sensors in complex fertiliser plant and maintain records.
- 36.The industry shall store fresh gypsum on HDPE lining at the wagon loading area.
- 37.The industry shall submit concentration levels of Ammonia monitored by industry through sensors every month.
- 38.The industry shall ensure that there are no leaks in any unit operations and unit processes.
- 39.The industry shall take proper measures to ensure the trucks with proper leak proof bodies are used for transportation of gypsum from the industry.
- 40.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.
 - 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.
- 41.The industry shall comply with the conditions stipulated in the CTE order No.65/APPCB/CFE/RO-VSP/HO/2012, dated 08.02.2020, 24.08.2022, 27.07.2022 & 22.11.2022
- 42.The industry shall update the information in OCEMS - Industry Information Data Entry Software for Compliance Reporting Protocol in PART-II (Sections F & G) Every Quarter on 1st January, 1st April, 1st July and 1st October through this software system.
- 43.The industry shall maintain valid PLI policy which includes Environmental Relief Fund (ERF) and submit copy to RO, Visakhapatnam on yearly base.
- 44.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.
- 45.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.

46.Any other directions / circulars / notices / guidelines issued by CPCB, MoEF&CC and APPCB shall be followed from time to time.

47.The conditions are stipulated without prejudice to the rights and contentions of this Board in any Hon'ble Court of Law.

Special conditions:

48.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.

49.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.

50.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.

51.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.

52.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.

53.The industry shall conduct Risk studies to be undertaken clearly describing impact within the industry premises and outside the industry premises and emergency response system.

54.The industry shall inventorize the storage quantities of hazardous chemicals (raw materials), products, as per the hazard nature of reactivity / toxicity / flammability / explosive stored/handling in the premises as defined in the Management of Storage,

Import of Hazardous Chemicals (MSIHC) Rules, 1989 and the details shall be furnished to the Factories Department and to the Regional Office, APPCB on monthly basis duly certifying the same.

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. The industry shall enter an agreement with the Cement industries for disposal of incinerable waste or shall dispose to Alternative Fuel Raw material facility (AFRF) OR to TSDF for co-incineration.
9. 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.
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.
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.
12. The industry shall transport the hazardous waste to cement industries only through vehicle fitted with GPS tracking system.
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 route the all the hazardous wastes through M/s. APEMC.

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

**To
M/s. Coromandel International Limited,
Post Box No. 1116,
Sriharipuram, Malkapuram(PO)
Visakhapatnam -530 011**