

CFO-VST Terminal Date: 01-11-2021

CFO-NO 7055-VSP/APPCB/ZOVSP/CFO/2021 Date: 01-11-2021

Compliance of EC/CFE/ CFO/ Directions

For submission of compliance reports by the Industries

1.Compliance Report : *	2.CTO Order Number *
CTO	CFO-NO 7055-VSP/APPCB/ZOVSP/CFO/2021
3.CTO Order Issued On *	4.CTO Order Issued By *
11/01/2021	Head Office
5. District : *	6. Category Type : *
Visakhapatnam	Red
7. Name Of Industry : *	8. Address : *
Coromandel International Ltd.	Coromandel International Ltd., P.O No. 125, Sriharipur
9. Email : *	10. Phone : *
nagarajud@coromandel.murugappa.com	8790035522
10. Status of Compliance : *	11. Upload the Compliance Report : *
Complied	Choose File CFO.pdf

Note: *

☒CFE/CFO : Please note that under Section 42(f) of Water (P CP) Act, 1974 giving any information which he is required to give under this Act, knowingly or willfully makes a statement which is false in any material particular shall be Punishable

pcb.ap.gov.in says
Successfully Inserted

OK

3.CTO Order Issued On *	6. Category Type : *
11/01/2021	Red
5. District : *	8. Address : *
Visakhapatnam	Coromandel International Ltd., P.O No. 125, Sriharipur
7. Name Of Industry : *	10. Phone : *
Coromandel International Ltd.	8790035522
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Submit

EHS/APPCB/2024 - 151

Date: 30.12.2024

To
The Environmental Engineer,
Andhra Pradesh Pollution Control Board,
Regional Office, Behind RTA Office,
Madhavadhara VUDA Colony,
Visakhapatnam – 530 018

Sub: Submission of Six-monthly compliance report as on 30.12.2024 for Consent For operation order Issued for Storage and Handling of Phosphoric Acid as- Reg

Ref: 1. CFO No - 7055-VSP/APPCB/ZOVSP/CFO/2021- Date 01/11/2021

2. APPCB Notice No - PCB/RO-VSP/6 months compliance/2018 – Date 05. 07.2018

With reference to the above subject, herewith we are submitting the Six monthly condition wise compliance report as on 30.12.2024 of stipulated conditions in Consent For Operation issued vide Order No. **7055-VSP/APPCB/ZOVSP/CFO/2021- 01/11 /2021** of **M/s Coromandel International Limited, Sriharipuram Visakhapatnam** For Storage and Handling of Phosphoric Acid duly Certified by **M/sTEAM Labs and Consultants** NABL accredited Laboratory after carrying out site visit during the period 18.12.2024 and 19.12.2024 is enclosed for records.

This is for information please.

Thanking you,

Yours faithfully

For Coromandel International Limited



Gnanasundaram M
Vice President & Head Mfg.


NAG

Enclosures: 1. CFO compliance report
2. NABL accreditation Certificate



**ANDHRA PRADESH POLLUTION CONTROL BOARD
REGIONAL OFFICE, VISAKHAPATNAM**

**R LAKSHMI NARAYANA
ENVIRONMENTAL ENGINEER**

Plot No.14, Flat No.103 & 104, Journalist Colony,
Marripalem VUDA Colony, Opp: Spencers
Visakhapatnam - 530009
Ph: 0891 - 2755356

Notice .No. /PCB/RO-VSP/6 months compliance/2018 -

Date:05/07/2018

Sub:- APPCB, RO, VSP – Non-submission of the Half yearly compliance report of CFO & HWA Conditions – Notice issued – Reg.

Ref:- CFO & HWA Order issued by APPCB from time to time to the industries.

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WHEREAS, you are operating the industry in the jurisdiction of Visakhapatnam and obtained CFO of the Board from time to time.

WHEREAS, the APPCB has issued CFO & HWA Order by stipulating certain conditions to comply with.

WHEREAS, while issuing CFO and Auto Renewal CFO Orders, the Board stipulated a condition “The facility shall submit the compliance report to all the stipulated conditions for Consent for Operation for every six months i.e. on 1st of January and 1st of July of every year.”

In view of the above, you are hereby directed to submit the CFO & HWA compliance report for every six months i.e. on 1st of January and 1st of July of every year.

You are requested to follow the above instructions without fail.

**Raavi
Lakshmi
Narayana**

ENVIRONMENTAL ENGINEER

Digitally signed by
Raavi Lakshmi
Narayana
Date: 2018.07.05
13:52:59 +05'30'



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

TEAM LABS AND CONSULTANTS

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at

B-115,116,117 & 509, ANNAPURNA BLOCK, ADITYA ENCLAVE, AMEERPET, HYDERABAD, TELANGANA,
INDIA

in the field of

TESTING

Certificate Number: TC-12956

Issue Date: 24/01/2024

Valid Until: 23/01/2026

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Entity: TEAM LABS AND CONSULTANTS

Signed for and on behalf of NABL



N. Venkateswaran
Chief Executive Officer

Registered Office : B-115, 116, 117 & 509, Annapoorna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.
Ph. : (O) 040-23748555, 23748616, Fax : 040-23748666, Email : teamlabs@gmail.com

Branch Office : # 24-4-11, Darul Fateh Building, 1st Floor, Harbour Road, Visakhapatnam-530 001.
Ph. : (O) 0891-2748699, Cell : 9849033397, E-mail : teamlabsvizag@gmail.com

Coromandel International Limited, Visakhapatnam

Consent Order No: 7055-VSP/APP/PCB/ZOVSP/CFO/2021- 01/11/2021

From the period of June - 2024 to November - 2024

S. No.	Consent Order Condition	Compliance
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.	Noted by industry and being Complied
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.	Noted. This facility is storage of phosphoric acid only. No wastewater is generated.
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. PLI policy no. 9600036243300000001 obtained as per the Public Liability Insurance Act, 1991. A copy of PLI policy, which is valid up to 31.03.2025, is herewith enclosed as Annexure-01 for your reference.
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 The signboard image is herewith enclosed as Annexure-02 for your reference.
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.	Noted by industry and being Complied



(ENGINEERS & CONSULTANTS IN POLLUTION CONTROL)

Recognised as Environmental Laboratory under Environmental (Protection) Act 1986

NABL Accredited Laboratory (Certificate No. TC-12956)

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S.No.	Consent Order Condition	Compliance
6	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.	The environmental statement for the year FY:2023-24 was submitted by Industry vide letter no. EHS/APPCB/2023-098 dated 27.09.2024. Copy of acknowledgment herewith enclosed as Annexure-03.
7	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.	Noted and being complied by Industry
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.	Noted by Industry
SPECIAL CONDITIONS:		
1	The industry shall comply with recommendations of onsite emergency plan, safety audit and HAZOP/HARA study report	Being Complied by Industry
2	The industry shall inform RO about cleaning of tank bottom sludge (1000 TPA) every year before	Noted for compliance

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S.No.	Consent Order Condition	Compliance									
	cleaning and sending to main plant.										
SCHEDULE-B											
WATER POLLUTION:											
3	The industry shall not generate any process and wash wastewater and shall not discharge any wastewater within or outside the industry premises.	No effluents are generated from the process as it is a storage tank facility only.									
4	The industry shall comply the following effluent standards based on the disposal points permitted: Shall comply the norms notified by MoEF & CC vide notification No. GSR.422 (E) dated: 19.05.1993	Noted for compliance									
5	The source of water being ground water. The following is the permitted water consumption: <table><tr><th>S No.</th><th>Purpose</th><th>Quantity</th></tr><tr><td>1.</td><td>Domestic</td><td>1 KLD</td></tr><tr><td></td><td>TOTAL</td><td>1 KLD</td></tr></table> Separate meters with necessary pipeline shall be maintained for assessing the quantity of water used for each of the purposes mentioned above for Cess assessment purpose.	S No.	Purpose	Quantity	1.	Domestic	1 KLD		TOTAL	1 KLD	It is being complied. VPT is supplying water and meter has been installed.
S No.	Purpose	Quantity									
1.	Domestic	1 KLD									
	TOTAL	1 KLD									
6	The industrial shall provide digital flow meters with totaliser facility for measuring the actual quantity of water consumption within one month and maintain log register for the same.	Complied, provided flow meters for measuring water consumption.									
7	The industry shall not discharge the wastewater outside the factory premises under any circumstances	Noted for compliance									
AIR POLLUTION											
8	The industry shall comply with ambient air quality standards of PM10 (Particulate Matter size less than 10 microns) - 100 micro gram/ m ³ ; PM2.5 (Particulate Matter size ss than 2.5 microns) - 60 micro gram/ m ³ ; SO ₂ - 80 micro gram/ m ³ ; NO _x - 80 micro gram/m ³ , outside the factory premises at the periphery of the industry. Standards for other parameters as mentioned in	Complied. Ambient Air Quality in the plant and periphery villages is being carried out through MoEFCC & NABL accredited laboratory. Monthly Monitoring AAQM and Noise Reports enclosed as Annexure-04 for reference									

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S.No.	Consent Order Condition	Compliance
	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).	
9	The industry shall ensure compliance of the National Ambient Air Quality Standards notified By MOEF ,GOI vide Notification GSR 826 (E) Dt 16.11.2009at boundary of the premises during regular operation.	Complied.
10	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.	No DGs are being used.
11	The industry shall take measures to comply with the provisions laid down under Noise pollution (Regulation and Control) Amendments Rules, 2010 dated 11.01.2010 issued by MoEF, GoI to control the noise to the prescribed level.	Complied.
GENERAL		
12	The generated tank bottom sludge of phosphoric acid – 3 tons/day shall be collected in a scientific manner and send to parent industry for further processing.	It is being followed.
13	The industry shall not cause any air pollution / odour nuisance to the surrounding environment.	Noted. The facility is for storage of phosphoric acid only.
14	The industry shall not store any chemical in the storage tanks other than phosphoric acid.	Complied.
15	The industry shall handle the phosphoric acid safely without any spillages on ground.	It is being followed.
16	M/s. Coromandel International Ltd., shall ensure taking all safety precautions for handling of caustic soda by M/s.IMC.	Not applicable. Industry handed over an area of 5.36 acres to Visakhapatnam Port Trust. For storage and handling of phosphoric

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S.No.	Consent Order Condition	Compliance
		acid, the industry has taken over an extent of land measuring 3.3 acres.
17	M/s. Coromandel International Ltd., shall ensure to treat the wastewater generated due to washing of pipeline in M/s.IMC facility.	Not applicable. Industry handed over an area of 5.36 acres to Visakhapatnam Port Trust. For storage and handling of phosphoric acid, the industry has taken over an extent of land measuring 3.3 acres.
18	The industry shall comply with the industry specific standards with respect to process emissions stipulated by the MoEF& CC, GoI, New Delhi from time to time.	Noted and complied .
19	The industry shall take necessary measures to control the emissions during handling and storage of raw materials & products.	Noted and being complied
20	The facility shall not cause dust/air/noise pollution problems to the surrounding environment.	Noted and complied
21	The industry shall not increase the capacity beyond the permitted capacity mentioned in this order, without obtaining CFE/CFO of the board.	Noted and complied.
22	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 effluent / hazardous waste	Noted and being complied.
23	The industry shall develop green belt in all the vacant places.	Noted and complied
24	The industry shall maintain good housekeeping with-in the premises.	complied.
25	The industry shall submit Half yearly compliance reports on CFO conditions for every 6 months as on 1st of January and 1st July of every year at Regional office and Zonal office.	Complied. Half yearly CFO condition wise compliance reports submitted by Industry. Copy of acknowledgment herewith enclosed as Annexure-05.

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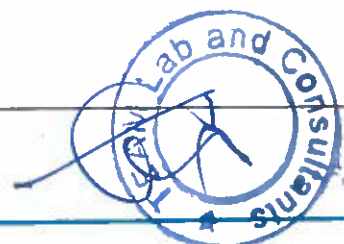
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S.No.	Consent Order Condition	Compliance
26	The board reserves its right to modify the above conditions or stipulated any further conditions and to take action including revoke of this order in the interest of environment protection	Noted by Industry
27	Concealing the factual data or submission of false information / Fabricated data and failure to comply with any of the conditions mentioned in this order may result in withdrawal of this order and attract action under the provisions of relevant pollution control acts.	Noted by Industry
SCHEDULE – C		
1	All the rules and regulations notified by Ministry of Environment and Forests, Government of India under the E(P) Act, 1986 in respect of management, handling, transportation and storage of the Hazardous wastes should be followed.	Noted and complied.
2	The industry shall not store hazardous waste for more than 90 days as per the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and amendments thereof.	Complied
3	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.	Noted and complied
4	The industry shall maintain 6 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.	Noted by Industry.
5	The industry shall maintain proper records for Hazardous 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 22(2) of the Hazardous Wastes (Management, Handling &	Noted and complied by Industry



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TEAM

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S.No.	Consent Order Condition	Compliance
	Transboundary Movement) Rules, 2008 and amendments thereof.	
6	The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.	Noted and complied by Industry
7	The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.	Noted and complied by Industry
8	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.	Noted by Industry
9	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.	Complied Mock drills at regular intervals are being conducted as per the statutory norms, Annexure-06 for reference
10	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".	Noted by Industry
11	The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.	Noted and complied by Industry
12	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.	Noted by Industry for compliance
13	Annual return shall be filed by June 30th for the period ensuring 31st March of the year.	Complied Form-IV Submitted copy enclosed as Annexure-07
14	The industry shall inventorize the storage	Complied The import of the

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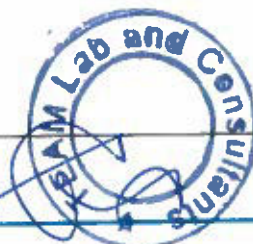
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S.No.	Consent Order Condition	Compliance
	quantities of hazardous chemicals (raw materials), products, as per the hazard nature of reactivity / toxicity /flammability / explosive stored/handling in the premises as defined in the Management of Storage, 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.	Hazardous Chemicals submission copy enclosed as Annexure-08 for reference
15	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 to the Regional Office, APPCB time to time duly certifying the same by the industry. Further the industry shall extend training to the working personnels while handling hazardous chemicals for prevention of accidents and necessary antidotes to ensure the safety, as per the MSIHC Rules, 1989.	The industry has identified major list of accident hazard chemicals as per the MSIHC Rules, 1989 and the details were submitted to the authorities.
16	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 Submitted safety audit report on 13-11-24 Annexure-09 for reference& OSEP report on16-10-24 is herewith enclosed as Annexure-10
17	"The industry shall carryout calibration of safety equipments 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".	Complied Safety equipment and Leak detection systems submission to PCB copyis herewith enclosed as Annexure-11 for reference
18	The industry shall inventorize 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 monthly basis duly certifying the same	Complied



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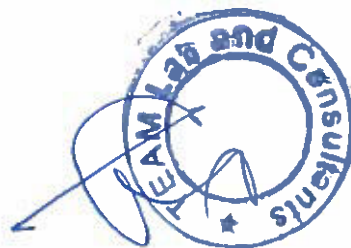
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S.No.	Consent Order Condition	Compliance
	by the industry.	
19	The industry shall submit the compliance of all the conditions stipulated in the CFO & HWA order within 6 months and submit report to Regional Office & Zonal Office.	Complied Half yearly CFO condition wise compliance submitted on 30.12.2023. Annexure-12 for reference



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EHS/APPCB/2024-030

Dated:22/04/2024

To
The Environmental Engineer,
Regional Office, 3rd Floor
A.P. Pollution Control Board,
Visakhapatnam -18

Dear Sir,

Sub: Submission of Public Liability Act copy (Policy No. 96000036243300000001).

Ref: i) CFO Order No: APPCB/VSP/65/CFO/HO/1967 - 04/08/2023
ii) CFO Order No: 7055/APPCB/ZO-VSP/CFO/VSP/2021-01/11/2021
iii) CFO Order No: APPCB/VSP/VSP/65/HO/CFO/2020 - 23/12/2020

With reference to above as per the general condition point No 43 specified in CFO Order No: APPCB/VSP/65/CFO/HO/1967 - 04/08/2023 and Schedule – A in condition no : 03 in CFO Order No: 7055/APPCB/ZO-VSP/CFO/VSP/2021-01/11/2021 & CFO Order No: APPCB/VSP/VSP/65/HO/CFO/2020 - 23/12/2020, we are herewith submitting the Public Liability Act Policy copy for the period of

Policy Period:

From : 01/04/2024
To Midnight of : 31/03/2025

This is for your kind information & Records
Thanking you,

Yours Truly
For Coromandel International Limited



Gnanasundaram M
Vice President & Head Manufacturing.



NAG/DNR

Encloser: PLA copy



POLICY SCHEDULE FOR PUBLIC LIABILITY (Act Only) INSURANCE

UIN NUMBER - IRDAN190P0076100001

Insured's Name	:	M/S.COROMANDEL INTERNATIONAL LIMITED			
Insured's Details			Issuing Office Details		
Customer ID	:	PO59235971	Office Code	:	HYDERABAD LCBO 960000 (960000)
Address	:	COROMANDEL HOUSE, D.NO:1-2-10,SARDAR PATEL ROAD,SECUNDERABAD. SECUNDERABAD ,TELANGANA, 500003	Address	:	LARGE CORPORATE AND BROKERS OFFICE, 7C,7TH FLOOR, SURYA TOWERS, S.P.ROAD, SECUNDERABAD ,500003
Phone No	:		Phone No	:	4027810302
E-mail/Fax	:	MittalA@coromandel.murugappa.com, /	E-mail/Fax	:	nia.960000@newindia.co.in /
PAN No	:	AAACC7852K	S.Tax Regn. No	:	AAACN4165CST178
GSTIN/UIN	:	36AAACC7852K2ZD / NA	GSTIN	:	36AAACN4165C3ZQ
	:		SAC	:	997139 (Other non-life insurance services excl RI)

Policy Details					
Policy Number	:	96000036243300000001	Business Source Code	:	
Period of Insurance	:	From: 01/04/2024 12:00:01 AM To: 31/03/2025 11:59:59 PM	Dev.Off. level/Broker/Corp. Agent/Web Aggregator/CPSC User	:	Marsh India Insurance Brokers Pvt. Ltd. - (2D10672900) Marsh_India_121400 - (2D10685525),
Date of Proposal	:	01-Apr-24	Agent/Bancassurance/S pecified Person	:	
Prev. Policy no.	:	62030036233300000001	Phone No	:	7045922442, 8657561533 / NA
Client Type	:	Corporate	E-mail/Fax	:	Kamal.Pherwani@marsh.com, Pravin.chandvekar@marsh.com / /

Premium(₹)	ERF Premium(₹)	GST(₹)	Total (₹)	Total (₹ in words)	Receipt No. & Date
230765	230765	41,538	5,03,068	RUPEES FIVE LAC THREE THOUSAND SIXTY-EIGHT ONLY	9600008124000000002 4 - 02/04/24

Details of risk covered under current year policy:

Retroactive Date	Paid Up Capital	No Of Locations Involved	AOA	AOA:AOY	AOY	Annual Turnover - Previous Year	Annual Turnover - Proposed Year	Deductible S	No of workmen	No of Other Employee
01/04/2012	<= 15 Crore	19	50000000	1:3	150000000	150000000000	250000000000	14000	3000	

Retroactive Dates

Retroactive Date Details	Date	Paid Up Capital	No Of Locations Involved	AOA	AOA:AOY	AOY	Annual Turnover - Previous Year	Annual Turnover - Proposed Year	Deductibles	No of workmen	No of Other Employee
RETROACTIVE DATE 1	01/04/2012	<=15Crore	19	50000000	1.3	150000000	150000000000	250000000000	14000	3000	

RETRO-DATE IS SUBJECT TO LESSER OF LIMITS - NARROWER OF COVER.

Extensions under the Policy

Name of the Extension	Sub Limit of the Extension	Deductibles of the Extension
-----------------------	----------------------------	------------------------------

Signature Not Verified
Digitally signed by DHIRAJ KUMAR
Date: 2024.04.02 13:41:29 +05'30'IST



Special Conditions	AS PER POLICY-19 NO.OF LOCATIONS AS PER LIST ATTACHED HEREWITH AS PER PUBLIC LIABILITY ACT POLICY Absolute exclusion for losses directly or indirectly arising out of contributed to by or resulting from Coronavirus (Covid 19 and /or nCov 2019) or any mutations or variations thereof.	
Special Exclusions	NA	
Special Excess/Deductible	0	
Retroactive Dates		Date
Retroactive date		01/04/2012

The Policy shall be subject to PUBLIC LIABILITY (Act Only) INSURANCE Policy clauses attached herewith.

Clauses	Description	
Premium and GST Details		
	Rate of Tax	Amount in INR
Premium		₹ 4,61,530
SGST	9	20769
CGST	9	20769
IGST	0	0

In witness whereof the undersigned being duly authorised by the Insurers and on behalf of the Insurers has (have) hereunder set his (their) hand(s) on this 02nd day of April, 2024.

For and on behalf of
The New India Assurance Company Limited

Date of Issue: 02/04/2024

Duly Constituted Attorney(s)

Stamp Duty under the Policy is ₹1

Mudrank _____ Dt. _____ consolidated Stamp Fees Paid by Pay Order Number _____ vide receipt number _____ dt. _____.

We hereby declare that though our aggregate turnover in any preceding financial year from 2017-18 onwards is more than the aggregate turnover notified under sub-rule (4) of rule 48, we are not required to prepare an invoice in terms of the provisions of the said sub-rule.

Tax Invoice No : 96000024E0000029

IRDA Registration Number: 190
NIA PAN NUMBER: AAACN4165C

दिन्यू इंडिया एश्योरन्स कंपनी लिमिटेड

बृहत्कॉर्पोरेट एवम ब्रोकर्स कार्यालय - ९६००००

7th मंज़िल, सूर्या टावर्स, एसडी रोड, सिकंदराबाद

५००००३, तेलंगाना

दूरभाष - ०४०-२७८१०३००, २७८१०३०२

फैक्स - ०४०-६६२६४४४३

हिन्दी हमारी राष्ट्रभाषा है, सारे देश की आशा है।



Leadership and Beyond

The New India Assurance Co Ltd

Large Corporate and Brokers Office – 960000

7th Floor, C Block, Surya Towers, SP Road,

Secunderabad – 500 003, Telangana

Telephone – 040 27810300, 27810302

Fax – 040 66264443

India's Premier General Insurance Company

Schedule attached to and forming part of policy no. 96000036243300000001

List of 19 Locations attached and forming part of Public Liability (Act only) Policy no: 96000036243300000001, Policy period : 01-04-2024 to 31-03-2025.

With reference to the captioned subject following are the list of Locations

1. M/S Coromandel International Ltd-VISAKHAPATNAM
2. M/S Coromandel International Ltd-KAKINADA
3. M/S Coromandel International Ltd-ENNORE
4. M/S Coromandel International Ltd-RANIPET
5. M/S Coromandel International Ltd-THANE
6. M/S Coromandel International Ltd-NAVI MUMBAI.
7. M/S Coromandel International Ltd-UNIT 1, JAMMU
8. M/S Coromandel International Ltd-UNIT2, BARIBRAHMANA, JAMMU
9. M/S Coromandel International Ltd, UMBERGAON
10. M/S Coromandel International Ltd, GIDC, NANDESARI
11. M/S Coromandel International Ltd, PALI
12. M/S Coromandel International Ltd, RAIBARELI
13. M/S Coromandel International Ltd, MADRI-UDAIPUR
14. M/S Coromandel International Ltd, JAGPURA-KOTA
15. M/S Coromandel International Ltd, MUNIRABAD
16. M/S Coromandel International Ltd, ANKHALESHWAR
17. M/S Coromandel International Ltd, DAHEJ
18. M/S Coromandel International Ltd –NIMRANI
19. M/S Coromandel International Ltd Super Phosphate factory, ENNORE

For The New India Assurance Company

Authorised Signatory

EHS2-Vizag-Coromandel

From: Nageswara Rao G-AsstMgr-EHS-Vizag-Coromandel
Sent: 24 April 2024 16:10
To: rovspappcb@gmail.com
Cc: Nagarjuna-P-Mgr-EHS-Vizag-Coromandel; EHS2-Vizag-Coromandel; Subhradip Mondal-Mgr-Environment-Vizag-Coromandel; Nagaraju D-AGM-EHS-Vizag-Coromandel; Vinod Kumar Mishra-Sr.GM-EHS-Vizag-Coromandel
Subject: CIL-Vizag submission of special conditions reports
Attachments: Submission of AAQMS online data for the six months as per EC complex PAP.crdownload; Submission of SAP -3 & Desalination plant Fire NOC.crdownload; Submission of monthly Piezo Well analysis report as per EC complex PAP.crdownload; Submission of Piezo Well analysis report as per CFO.crdownload; Public Liability Policy (PLI) April - 2024-2025 (Policy No. 96000036243300000001).pdf

Dear Sir,

Here we are submitting the following Special Conditions reports for your consideration.

1. Public Liability Act copy (Policy No. 96000036243300000001).
2. Fire NOC
3. Piezo well water analyses Quarterly reports as per CFO
4. Piezo well water analyses monthly reports as per EC
5. AAQMS online data reports as per EC

The same original copy along with backup documents we submitted on **23.04.2024** to your regional office. Again, we have submitted the same copy through mail as per your instruction.

Thanks & Regards,
Nageswara Rao G



Coromandel International Limited

Sriharipuram, Malkapuram PO

Visakhapatnam-530 011

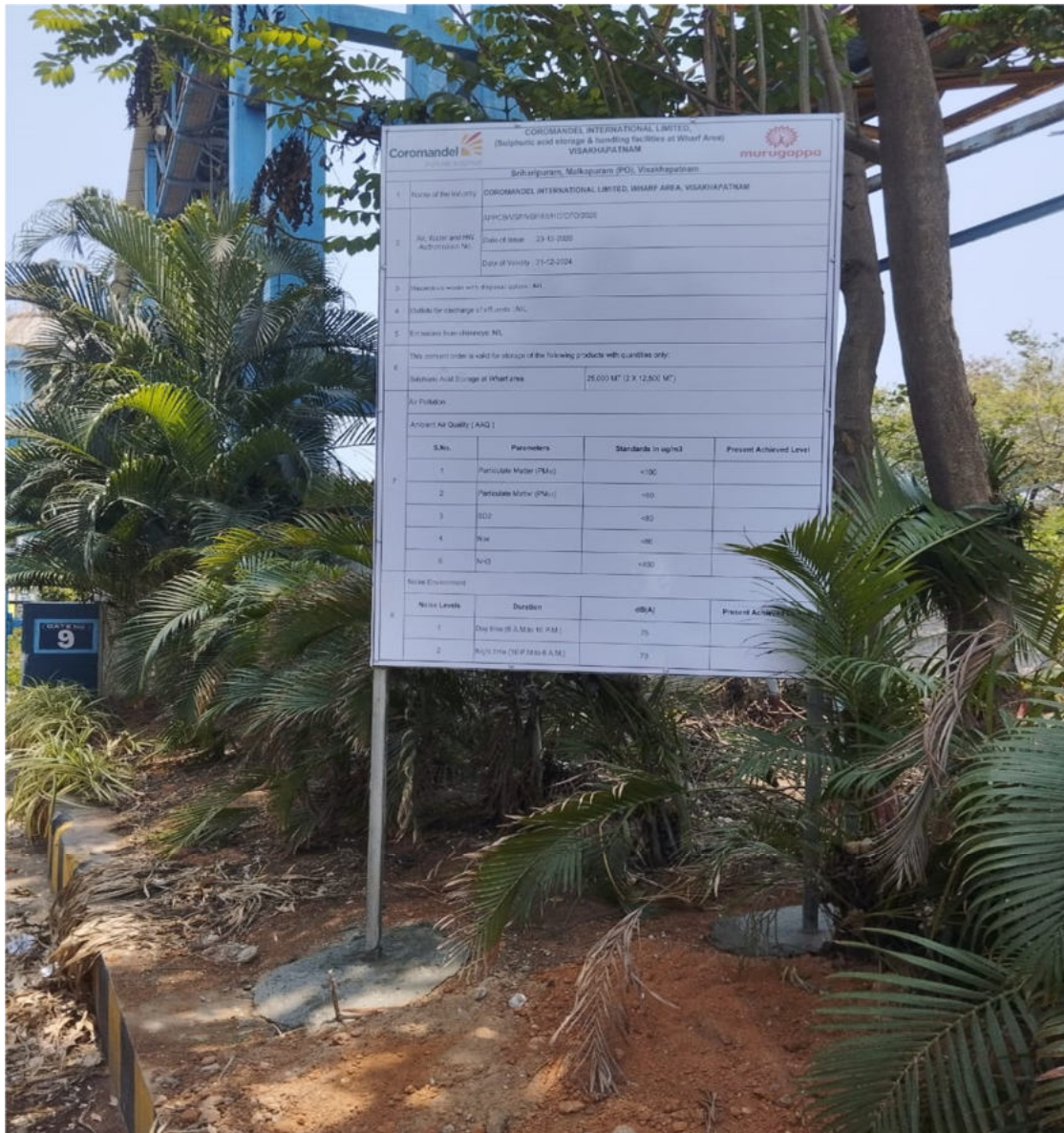
Andhrapradesh, India.



F: +91 891-2578400

W: www.coromandel.biz

A MURUGAPPA GROUP COMPANY

VST – Signboard



 <div> COROMANDEL INTERNATIONAL LIMITED, (Sulphuric acid storage & handling facilities at Wharf Area) VISAKHAPATNAM </div> 																									
Sriharipuram, Malkapuram (PO), Visakhapatnam																									
1	Name of the Industry COROMANDEL INTERNATIONAL LIMITED, WHARF AREA, VISAKHAPATNAM																								
2	APPCDA/SPH/SPH2-HC/CO/2020																								
	Date of Issue : 23-10-2020 Date of Validity : 31-10-2024																								
3	Hazardous waste with disposal option: NIL																								
4	Outlets for discharge of effluents: NIL																								
5	Emissions from chimneys: NIL																								
6	This consent order is valid for storage of the following products with quantities only: Sulphuric Acid Storage at Wharf area 25,000 MT (2X 12,500 MT)																								
Air Pollution																									
Ambient Air Quality (AAQ)																									
	<table border="1"> <thead> <tr> <th>S.No.</th> <th>Parameters</th> <th>Standards in µg/m³</th> <th>Present Achieved Level</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Particulate Matter (PM₁₀)</td> <td><103</td> <td></td> </tr> <tr> <td>2</td> <td>Particulate Matter (PM_{2.5})</td> <td><60</td> <td></td> </tr> <tr> <td>3</td> <td>SO₂</td> <td><80</td> <td></td> </tr> <tr> <td>4</td> <td>NOx</td> <td><80</td> <td></td> </tr> <tr> <td>5</td> <td>NH₃</td> <td><403</td> <td></td> </tr> </tbody> </table>	S.No.	Parameters	Standards in µg/m ³	Present Achieved Level	1	Particulate Matter (PM ₁₀)	<103		2	Particulate Matter (PM _{2.5})	<60		3	SO ₂	<80		4	NOx	<80		5	NH ₃	<403	
S.No.	Parameters	Standards in µg/m ³	Present Achieved Level																						
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5	NH ₃	<403																							
Noise Environment:																									
	<table border="1"> <thead> <tr> <th>Noise Levels</th> <th>Duration</th> <th>(dB(A))</th> <th>Present Achieved Level</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Day time (9 A.M to 6 P.M.)</td> <td>75</td> <td></td> </tr> <tr> <td>2</td> <td>Night time (10 P.M to 6 A.M.)</td> <td>70</td> <td></td> </tr> </tbody> </table>	Noise Levels	Duration	(dB(A))	Present Achieved Level	1	Day time (9 A.M to 6 P.M.)	75		2	Night time (10 P.M to 6 A.M.)	70													
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2	Night time (10 P.M to 6 A.M.)	70																							

Coromandel International Limited
Post Box No. 1116, Sriharipuram, Malkapuram Post
Visakhapatnam - 530 011, Andhra Pradesh, India
Tel : 91-891-2578400
DID : 91-891-2893+Extn No
Website : www.coromandel.biz
CIN : L24120AP1961PLC000892
GSTIN : 37AAACC7852K1ZC

Date: 27.09.2024

EHS/APPCB/2024-098

To
The Member Secretary,
A.P. Pollution Control Board,
D.No.33-26-14D/2, Near Sunrise Hospital,
Pushpa Hotel Centre,
Chalamalavari Street, Kasturibaipet,
Vijayawada-520 010

RN541800083IN IVR:8278541800083
RL MALKAPURAM S.O <530011>
Counter No: 1.27/09/2024.14:16
To: THE MEMBER SE. APPCB VIJAYAWADA
PIN: 520010. Venkateswarapuram S.O
From: EHS MOD COR.FORM 5 VST
Wt: 270gms. REG=17.0
Amt: 102.66, Tax: 15.66, Amt. Paid: 103.00 (Cash)
<Track on www.indiapost.gov.in>
/Di-1 1QAA7/L404G/ /M-3 H-16 C-30 C-30

Sub: Submission of Environmental Statement in Form-V for the financial year 2023-24 as per the
Environmental Protection Act -1986 reg.

Ref: 1. Consent Order No: 7055/VSP/APPCB/ZOVSP/CFO/2021-01/11/2021


Dear Sir,

We are enclosing herewith the Environment Statement for the financial year 2023-24 ending with
31st March 2024 in prescribed Form-V with respect to Coromandel International Ltd. along with
relevant annexures.

This is submitted as per the guidelines of Environment protection act -1986

Thanking you

Yours faithfully
For Coromandel International Limited


M. Gnanasundaram
VP & Head - Manufacturing


N. S. N. S.

Encl: As above

Cc: 1. The Joint Chief Environmental Engineer, Zonal Office, APPCB, Visakhapatnam-18
2. The Environmental Engineer, Regional Office, APPCB, Visakhapatnam-18



Date:27.09.2024

EHS/APPCB/2024-098

To
The Member Secretary,
A.P. Pollution Control Board,
D.No.33-26-14D/2, Near Sunrise Hospital,
Pushpa Hotel Centre,
Chalamalavari Street, Kasturibaipet,
Vijayawada-520 010

Sub: Submission of Environmental Statement in Form-V for the financial year 2023-24 as per the Environmental Protection Act -1986 reg.

Ref: 1. Consent Order No: 7055/VSP/APPCB/ZOVSP/CFO/2021- 01/11/2021


Dear Sir,

We are enclosing herewith the Environment Statement for the financial year 2023-24 ending with 31st March 2024 in prescribed Form-V with respect to Coromandel International Ltd. along with relevant annexures.

This is submitted as per the guidelines of Environment protection act -1986

Thanking you

Yours faithfully
For Coromandel International Limited


M. Gnanasundaram
VP & Head - Manufacturing


NAG

Encl: As above

Cc: 1. The Joint Chief Environmental Engineer, Zonal Office, APPCB, Visakhapatnam-18
2. The Environmental Engineer, Regional Office, APPCB, Visakhapatnam-18

FORM – V
(See rule 14)

Environmental Statement (Audit Report) for the financial year ending
31st March 2024

PART – A

I)	Name and address of the owner/occupier of the industry, operation or process.	M/s. Coromandel International Ltd., (Formerly M/s. Coromandel Fertilizers Ltd.,) Visakha Terminal, Inner Harbour, Port Area, Visakhapatnam District. Occupier: Mr. Sankarasubramanian (MD & CEO)
II	Production Capacity	Storage and handling of Phosphoric Acid Two tanks of 10000 MT each (Total storage capacity: 20000 MT)
III	Year of Establishment	1967
II)	Date of the last Environmental Audit Report submitted.	28/09/2023

PART – B

Water and Raw Material Consumption

I)	Water consumption m ³ /d (average break-up) year 2023-24		
	WATER : 0.9 KLD		
		Water consumption per unit of products M ³ /MT	
	Name of products	During the previous financial year	During the current financial year
		NA	NA
II	Raw material consumption		
	Name of raw materials	Name of products	Consumption of raw material per unit of output (MT/MT)
			During the current financial year 2022-23
			During the current financial year 2023-24
Ref: Annexure – 1			

PART – C

Pollution generated

(Parameters as specified in the consent issued)

I)	Pollutants	Quantity of pollutants discharged (mass/day)	Concentrations of pollutants discharges (mass/Volume)	Percentages of variation from prescribed standards with reasons
	(a) Water (b) Air	We are not generating any air pollution. however, this plant is under the Visakhapatnam Port Authority, which will monitor the ambient air in the surrounding areas.		

**PART – D
Hazardous Wastes**

(As specified under hazardous wastes Management and Handling Rules, 1989 and amendment 2016)

Stream	Name of the Hazardous waste	Total Quantity	
		During the previous financial year 2022-23	During the current financial year 2023-24
We are generating a very minimal quantity of used oil and tank bottom sludge. Whatever we do generate is sent to the main plant for safe disposal.			

**PART –E
Solid Wastes**

		Total Quantity (MT)	
		During the previous financial year 2022-23	During the current financial year 2023-24
a)	From process	Not Applicable	
b)	Process pollution control facilities		
c)	Quantity recycled or re-utilized		
	i) sold		
	ii) Disposed		

PART – F

Please specify the characteristics (in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes

We are generating a very minimal quantity of used oil and tank bottom sludge. Whatever we do generate is sent to the main plant. The Hazardous Waste Annual Returns Form - IV has been submitted, including information from the main plant.

Ref: Annexure – 2

PART – G

Impact of the pollution control measures on conservation of natural resources and consequently on the cost of production.

This plant is used solely for raw material storage, there are no operations conducted here.

PART – H

Additional investment proposal for environmental protection including abatement of pollution:

Note : It is considered part of the main plant investments.

Environment Improvement Measures Refer Annexure – 03.

PART – I

Any other particulars in respect of environment protection and abatement of pollution:

A report covering various efforts made by Coromandel International Limited for control of environmental pollution along with details of processes adopted in various units is given in savings made by some other activities and savings through Energy Conservation.

Refer Annexure - 04 & 05

**Your faithfully,
For Coromandel International Limited,**



**M. Gnanasundaram
VP & Head – Manufacturing**

Annexure-1

Raw material Phosphoric Acid Consumption 2023-2024			
S. No	Details of Description	Unit of measurement	Qty.
1	Opening Stock on 01 st April 2023	MT	8060.3
2	Received Qty.	MT	67791.049
3	Consumption Qty.	MT	62700.749
4	Closing stock on 31 st March 2024	MT	13150.6

EHS/APPCB/2024-040

Date: 06.05.2024

To
The Environmental Engineer,
A.P. Pollution Control Board,
D.No. 33-26-14 D/2,
Near Sunrise Hospital,
Pushpa Hotel Centre,
Chalamalavari Street,
Kasturibaipet, Vijayawada – 520010

Dear Sir,

RH461132235IH IVR:8278461132235
RL MALKAPURAM S.O <530011>
Counter No:1.07/05/2024.10:33
To:THE ENVIRONME.APPCB KASTURIBAI
PIN:520010, Venkateswarapuram S.O
From:COROMANDEL .EHS HOD MALKAPUR
Wt:2400gms.REG=17.0
Amt:31.86(Cash)Tax:4.86
<Track on www.indiapost.gov.in>
<Dial 18002666868> <Wear Masks. Stay Safe>

**Sub: Coromandel International Limited- Visakhapatnam-Submission of Hazardous
Waste Annual Returns in Form-4 – FY2023-2024 - Regarding.**

**Ref: Hazardous and Other Wastes (Management and Transboundary Movement) Rules,
2016**

We are herewith furnishing annual returns (for the period April'23 to March'24) in **Form-4** as
per "**Hazardous and Other Wastes (Management and Transboundary Movement) Rules,
2016**" and amendment thereof under E (P) Act, 1986.

Kindly acknowledge the receipt of same.

Thanking you,

Yours Truly,

For COROMANDEL INTERNATIONAL LIMITED



Gnanasundaram M
Vice President & Head Manufacturing.



Encl. As above

CC to: i) The Environmental Engineer, Regional Office, APPCB, Visakhapatnam.

EHS/APP/2024-040

Date: 06.05.2024

To
The Environmental Engineer,
A.P. Pollution Control Board,
D.No. 33-26-14 D/2,
Near Sunrise Hospital,
Pushpa Hotel Centre,
Chalamalavari Street,
Kasturibaipet, Vijayawada – 520010

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Sub: Coromandel International Limited- Visakhapatnam–Submission of Hazardous
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Kindly acknowledge the receipt of same.

Thanking you,

Yours Truly,

For COROMANDEL INTERNATIONAL LIMITED



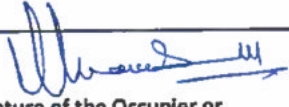
Gnanasundaram M
Vice President & Head Manufacturing.


NAG/DNR

Encl. As above

CC to: i) The Environmental Engineer, Regional Office, APPCB, Visakhapatnam.

FORM-4																												
[See rules 6(5), 13(8), 16(6) and 20(2)]																												
FORM FOR FILING ANNUAL RETURNS																												
(To be submitted to State Pollution Control Board by 30th day of June of every year for the preceding period April to March)																												
1	Name and address of facility:	Coromandel International Limited, Sriharipuram, Malkapuram (PO), Visakhapatnam-530011, Andhra Pradesh, India. Phone: 0891-2578400																										
2	Authorisation No. and Date of issue:	Authorization no. APPCB/VSP/65/CFO/HO/1967 Issued date: 30.09.2022 Valid Upto 31.08.2027																										
3	Name of the authorised person and full address with telephone, fax number and e-mail:	M. Gnanasundaram VP-Head Manufacturing Sriharipuram, Malkapuram (PO), Visakhapatnam-530011, Andhra Pradesh, India. Phone: 0891-2578400																										
4	Production during the year (product wise), wherever applicable	Complex plant	1165048	MT/Annum																								
		Sulphuric acid	861859																									
		Phosphoric acid	370617																									
Part A. To be filled by hazardous waste generators																												
1	Total quantity of waste generated category wise	<table border="1"> <thead> <tr> <th>Name of the Hazardous waste</th> <th>Quantity generated</th> </tr> </thead> <tbody> <tr> <td>1) Acid residues (Tank bottom sludge)</td> <td>25.000 MT</td> </tr> <tr> <td>2) Sulphur muck (Sulphur sludge)</td> <td>940.000 MT</td> </tr> <tr> <td>3) Spent Catalyst</td> <td>48.820 MT</td> </tr> <tr> <td>4) Used lubricating oil/drained oil</td> <td>13.620 KL</td> </tr> <tr> <td>5) Detoxified Containers</td> <td>2438.000 No's</td> </tr> <tr> <td>6) LSHS Sludge</td> <td>4.070 MT</td> </tr> <tr> <td>7) Scrubbing sludge</td> <td>395.000 MT</td> </tr> <tr> <td>8) ETP sludge</td> <td>490.000 MT</td> </tr> <tr> <td>9) Off specified ,expired chemicals & lab chemicals etc.</td> <td>0.000 MT</td> </tr> <tr> <td>10) Glass wool</td> <td>0.000 MT</td> </tr> <tr> <td>11) Insulation Puf</td> <td>0.000 MT</td> </tr> </tbody> </table>			Name of the Hazardous waste	Quantity generated	1) Acid residues (Tank bottom sludge)	25.000 MT	2) Sulphur muck (Sulphur sludge)	940.000 MT	3) Spent Catalyst	48.820 MT	4) Used lubricating oil/drained oil	13.620 KL	5) Detoxified Containers	2438.000 No's	6) LSHS Sludge	4.070 MT	7) Scrubbing sludge	395.000 MT	8) ETP sludge	490.000 MT	9) Off specified ,expired chemicals & lab chemicals etc.	0.000 MT	10) Glass wool	0.000 MT	11) Insulation Puf	0.000 MT
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8) ETP sludge	490.000 MT																											
9) Off specified ,expired chemicals & lab chemicals etc.	0.000 MT																											
10) Glass wool	0.000 MT																											
11) Insulation Puf	0.000 MT																											
2	Quantity dispatched	<table border="1"> <thead> <tr> <th>Name of the Hazardous waste</th> <th>Quantity dispatched</th> </tr> </thead> <tbody> <tr> <td>1) Spent Catalyst</td> <td>33.820 MT</td> </tr> <tr> <td>2) LSHS Sludge</td> <td>6.770 MT</td> </tr> <tr> <td>3) Off specified ,expired chemicals & lab chemicals etc.</td> <td>0 MT</td> </tr> <tr> <td>4) Glass wool</td> <td>0 MT</td> </tr> <tr> <td>5) Insulation Puf</td> <td>0 MT</td> </tr> <tr> <td>1) Used lubricating oil/drained oil</td> <td>14.020 KL</td> </tr> <tr> <td>2) Detoxified Containers and container liners</td> <td>2348 No's</td> </tr> <tr> <td>---</td> <td>---</td> </tr> </tbody> </table>			Name of the Hazardous waste	Quantity dispatched	1) Spent Catalyst	33.820 MT	2) LSHS Sludge	6.770 MT	3) Off specified ,expired chemicals & lab chemicals etc.	0 MT	4) Glass wool	0 MT	5) Insulation Puf	0 MT	1) Used lubricating oil/drained oil	14.020 KL	2) Detoxified Containers and container liners	2348 No's	---	---						
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---	---																											
	(i) to disposal facility (Ramky)																											
	(ii) to recycler or co-processors or pre-processor																											
	(iii) Others																											

FORM-4			
<i>[See rules 6(5), 13(8), 16(6) and 20(2)]</i>			
FORM FOR FILING ANNUAL RETURNS			
[To be submitted to State Pollution Control Board by 30th day of June of every year for the preceding period April to March]			
3	Quantity utilised in-house, if any -	Name of the Hazardous waste	Quantity utilised
		1) Acid residues (Tank bottom sludge)	28 MT
		2) Sulphur muck (Sulphur sludge)	995 MT
		3) Scrubbing sludge	410 MT
		3) ETP sludge	560 MT
4	Quantity in storage at the end of the year -	Name of the Hazardous waste	Quantity Storage
		1) Acid residues (Tank bottom sludge)	0 MT
		2) Sulphur muck (Sulphur sludge)	0 MT
		3) Spent Catalyst	15 MT
		4) Used lubricating oil/drain oil	0 KL
		5) Detoxified Containers and container liners	90 No's
		6) LSHS Sludge	0 MT
		7) Scrubbing sludge	25 MT
		8) ETP sludge	0 MT
		9) Off specified ,expired chemicals & lab	0 MT
		10) Glass wool	0 MT
		11) Insulation Puf	0 MT
Part B. To be filled by Treatment, storage and disposal facility operators			
1	Total quantity received -		
2	Quantity in stock at the		
3	Quantity treated -		
4	Quantity disposed in landfills as such and after treatment -		
5	Quantity incinerated (if applicable) -		
6	Quantity processed other than specified above -		
7	Quantity in storage at the end of the year -		
Part C. To be filled by recyclers or co-processors or other users			
1	Quantity of waste received during the year - (i) domestic sources		
2	Quantity in stock at the beginning of the year -		
3	Quantity recycled or co-processed or used -		
4	Quantity of products dispatched (wherever applicable) -		
5	Quantity of waste generated -		
6	Quantity of waste disposed -		
7	Quantity re-exported (wherever applicable)-		
8	Quantity in storage at the end of the year -		
Date : 06.05.2024 Place: Visakhapatnam.		 Signature of the Occupier or Operator of the disposal facility	

COROMANDEL VIZAG

Sustainability Measures

SUB: Environmental – Energy Conservation

Name of the Project: 1650 MTPD Sulphuric Acid plant III

Problems faced before implementation of initiative:

- Higher energy consumption for 45 MT/Hr. steam Generation from Steaming coal

Brief Description: 1650 MTPD Sulphuric Acid Plant III installed, generating 87 MT / Hr., high pressure waste steam at 69kgf/cm²g 485 °C. High pressure & temperature steam turbine results in lower Specific Steam Consumption of 4.0 MT / MWH. Old Condensing turbine was medium pressure 31kgf/cm²g 315°C with 5.8 MT/MW Specific Steam Consumption. Innovation enabled higher power generation

Technology: Monsanto Enviro Chem Systems USA, Engineering – Thyssenkrupp Industrial Solutions, India.

Cost – Rs 4300 million Annual Savings 72765000 kWh Annual Savings Rs 466 million
Payback 111 month Completed Date Aug 2023

Challenges faced during the project:

1. Technical Know How for modern Energy Efficient Sulphuric Acid Plant
2. Availability of expertise for taking up modern technologies

Prevailing practice in the industry: Maximise deployment of Carbon free Energy.



COROMANDEL VIZAG

Sustainability Measures

SUB: Environmental – Energy Conservation

Name of the Project: Installation of 11KV Automatic Power Factor controlling system

Problems faced before implementation of initiative:

- Grid power factor is at 0.970 lag and power factor to be maintained at unity for ideal conditions.
- Existing installed HT capacitor bank are not sufficient to meet the required capacitive load of the plant which is required to maintain unity power factor. This is due to the increase in plant loads subsequently.

Brief Description: Installation of Automatic Power Factor controlling panels comprising

1. 11 KV Limiting Reactors 2.12 MVAR – 3 no's
2. 100 Kvar, 440V, 3Ph, 50Hz, CLMD 83 Capacitor – 30 no's
3. 11kV, 2500kVAr APFC with 6% inrush current – 1 no.
4. 11kV, 2000kVAr APFC with 6% inrush current – 1 no.

New generation technology considered as an alternative to conventional technology / method to limit the short circuit levels at existing substations

Cost – Rs 29.5 million Annual Savings 1703451 kWh Annual Savings Rs 11 million
Payback 32 month Completed Date Jan 2024

Benefits: 1) After installing additional capacitor bank panels, power factor of around 0.995 lag at grid side is being achieved from Feb-24 which will reduce the losses and improve the power factor which will in turn give us power saving.

Challenges faced during the project:

- 1) Subsequent increase in Power capacity addition continuously.

Prevailing practice in the industry: Install capacitor banks whenever power load increases



COROMANDEL VIZAG

Sustainability Measures

SUB: Environmental – Energy Conservation

Name of the Project: Replacement of age-old Air conditioner units with modern 3 Star Units

Problems faced before implementation of initiative:

- Higher Energy Consumption

Brief Description: 41 no's age-old Air conditioner units replaced by modern 3 Star Units.

Cost – Rs 2.384 million Annual Savings 48441 kWh Annual Savings Rs 0.1 million
Payback 92 month Completed Date Jan 2024

Benefits:

- 1) Improved Air Conditioning
- 2) Lower Energy Consumption

Challenges faced during the project: None.

Prevailing practice in the industry: Maximise deployment of modern 3 Star AC Units.



COROMANDEL VIZAG

Sustainability Measures – Kaizens – Zero cost Measures

SUB: Environmental – Energy Conservation

Name of the Project: Installation of AC controls, closure to respective AC Units

Problems faced before implementation of initiative:

- Higher Energy Consumption
- II AC unit running even when not required, as its temperature control is not close by



Brief Description: Installed AC temperature control sensors closure to respective AC Units,

Cost – Rs NIL million Annual Savings 21406 kWh Annual Savings Rs 0.14 million
Payback 0 month Completed Date Nov 2023

Benefits:

- 1) Improved Air Conditioning
- 2) Lower Energy Consumption

Challenges faced during the project: None.

Prevailing practice in the industry: Installation of AC controls closure to place of use is a best practice.

COROMANDEL VIZAG

SUB: Environmental – Sea Water Solution to Raw Water needs.

Name of the Project: 6000 M³/Day Sea Water Reverse Osmosis Desalination Plant

Problems faced before implementation of initiative:

1. Limited availability of Raw water for plant expansion
2. Regular Line leaks along 10 Kilometer long TSR Water Pipeline.

Brief Description: Sea Water undergoes rapid floatation pretreatment, in Direct Air Floatation system for removal of Algae. Filtration of sea water is carried out by reverse osmosis, which involves forcing water at high pressure through a membrane that retains up to 99% of impurities. Desalinated Water is utilised in process plants as raw water, part of the desalinated water also undergoes post-treatment in mixed bed Ion Exchanger where it is demineralized.

Cost of Project: Coromandel: INR 30 Cr, INR Veolia – 40 Cr, Total INR 70 Cr

Benefits:

1. Support Plant expansion.
2. High purity demineralised water

Challenges faced during the project:

- Higher energy consumption for desalination by Reverse Osmosis 4.8 kWh/M³ Water

Prevailing practice in the industry:

Enabling and securing access to water resources at a permeate salinity / Total dissolved solids level of 200 ppm, by exploiting an inexhaustible natural resource with high salinity of 37000 ppm.



COROMANDEL VIZAG

SUB: Environmental – Nature Conservation - Greening within Fence

Name of the Project: **Greening within Fence** - Miyawaki Plantation

Problems faced before implementation of initiative:

1. Degraded land that has been used for construction and nonagricultural purposes.

Brief Description: Miyawaki Plantation involves plantation of trees, native to the area, with species that complement each other. As saplings receive sunlight from the top and grow upward, rather than sideways. It helps prevent growth of weeds, by avoiding sunlight reaching the soil.

S.no.	Area Of plantation	No. of plants	Year	Cost
1	Phase - 1	3000	2021-22	INR 7,61,607
2	Phase - II	10000	2021-22	INR 47,57,706
3	Phase - III	10000	2022-23	INR 50,00,000
4	Phase - IV	25000	2023-24	INR 1,24,00,000
5	Phase - V	3500	2023-24	INR 12,26,592

Greenery in more than 120 acres out of 320 acres industrial site (37.5%), adherence to better than regulatory norm.

Cost of the project: Rs. 136 Lakh Year 2023-24, No of Plants – 28500 no's

Benefits:

1. Creating Carbon sink in the area.
2. Control of fugitive emissions due to road traffic

Challenges faced during the project:

- Challenging sediment conditions, acidic soils necessitating laying of proper soil.



Prevailing practice in the industry:

Driving Compliance to APPCB order that 33% of industrial site around a factory is to be green.

COROMANDEL VIZAG

SUB: Environmental – Abating Noise

Name of the Project: **Modern Steam Vent Silencers**

Problems faced before implementation of initiative:

1. High noise during venting of high-pressure steam.

Brief Description: Performance of Vent Silencers is achieved by a 2-stage noise reduction approach.

Stage 1 –The inlet diffuser is effective in attenuating frequencies of sound and distributing the flow evenly to the 2nd stage.

Stage 2 – Sound reduction comprises of absorptive elements positioned within the silencer case thus absorbing acoustic energy out of the steam prior to exiting the atmosphere.

Benefits:

1. Noise-less steam venting.

Challenges faced during the project:

- Design Known how of modern steam vent silencers.

Prevailing practice in the industry:

Enabling Compliance to APPCB order that noise levels in the industry should be within 75 db during daytime and 70 db. during nighttime.



COROMANDEL VIZAG

SUB: Environmental – Dust Control during Solids Material Handling

Name of the Project: Steam, Air & Water Curtain for Dust Control during Solid Sulphur Handling

Problems faced before implementation of initiative:

1. Higher dust emissions during Solid Sulphur handling as the following existing measures have limited control of dust emissions.
 - a. Rubber & Canvas apron serves to contain dust, however, is limited due to access through several openings in the apron.
 - b. Bag filter creates a negative atmosphere and removes airborne dust, is limited due to dilution air entry through several openings and huge power consumption.

Brief Description: Low pressure smothering steam, Fine mist of Water and Air are released to create positive pressure around the emission points and act as a curtain, at various dust emission points during Solids Sulphur handling in Sulphuric Acid Plant – III.

Benefits:

1. Environment Compliance – Control of dust under positive pressure.
2. Better work place ambience

Challenges faced during the project:

- Fine mist of water and steam smothering increases acidity in solid sulphur
- Excessive load on Bag filters.

Prevailing practice in the industry:

Ensuring Compliance to APPCB order on fugitive Dust emissions < 50 mg/NM3



COROMANDEL VIZAG

SUB: Environmental – Effluent Control Better than regulatory norms

Name of the Project: Fresh Water Surface Condenser for Turbo Generator III

Problems faced before implementation of initiative:

1. Sea Water has worst Corrosion characteristics, hence special Cu: Ni 70:30 tubes used
2. Higher tube side Scaling due to sea water contaminants, requiring automatic cleaning using circulating rubber sponge balls.
3. Use of sodium hypochlorite, or chlorine, to ensure there is no marine growth on the pipes or the tubes. However, circulating water returning to the sea is affected.

Brief Description: Fresh Water Surface Condenser for Turbo Generator III, which rejects the heat from condensing steam in surface condenser to air in a cooling tower using fresh water as circulating heat transfer medium.

Benefits:

1. Better Environment –
 - a. Capacity of air environment to absorb heat is higher than heat rejection to water.
 - b. Heat of water needs to be released to air through water evaporation, hence direct discharge of heat to air is better option.
 - c. Marine environment is least effected.

Challenges faced during the project:

- Higher liberation of heat in factory premises
- Large quantity of fresh water consumed.

Prevailing practice in the industry:

Fresh Water Surface Condenser is a better option for condensing type-high pressure steam turbine.



COROMANDEL VIZAG

SUB: Environmental – Effluent Control Better than regulatory norms

Name of the Project: **Zero Liquid Discharge Facility**

Problems faced before implementation of initiative:

1. Loss of containment
2. Poor Control of final effluent quality

Brief Description: Installation of Zero Liquid Discharge Systems

Technology used: The major sources of effluent are overflows and spillage of process drains of Sulphuric acid plant, cooling tower blow down and leachate water from Gypsum Pond. Installed water recovery pits along with agitators for water conservation by recovery and reuse.

Benefits:

1. Compliance to APPCB order.
2. Control on liquid effluents.

Challenges faced during the project:

Design and Installation of Gradient Floor for recovery, separate process and storm water drains and recovery pits.

Prevailing practice in the industry: Zero liquid discharge by installing process and storm water drains and recovery pits is well established. All new plants to be designed for ZLD



COROMANDEL VIZAG

SUB: Environmental – Effluent Control Better than regulatory norms

Name of the Project: **Cooling Tower Water Conductivity meter for blowdown control**

Problems faced before implementation of initiative:

1. Lack of online control for blowdown
2. Excessive Water consumption

Brief Description: Installation of Conductivity meter on cooling tower water system, for controlling Blowdown

Benefits:

1. Control on liquid effluents.

Challenges faced during the project:

Letting management realize on the need to have online Conductivity meter for cooling tower blowdown control

Prevailing practice in the industry: Boiler Blowdown control by installing conductivity meter is good water conservation practice.



COROMANDEL VIZAG

SUB: Environmental – Dust Control Better than regulatory norms

Name of the Project: **Dust control while preparing lime solution**

Problems faced before implementation of initiative:

1. Dust generation during mixing of lime in Lime Slurry Preparation Tank

Brief Description: Installation of Air Operated Diaphragm Pump

Benefits:

1. Control on Dust generation.

Challenges faced during the project:

Know how on operation of Air Operated Diaphragm Pump and its applications.

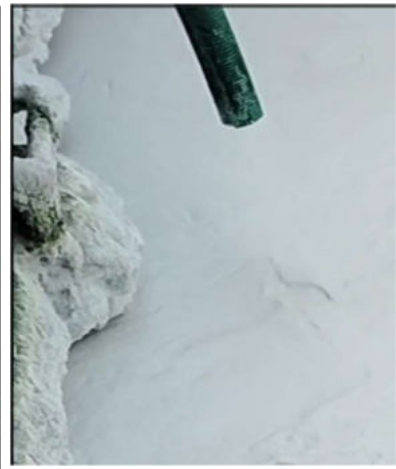
Prevailing practice in the industry: Installation of Air Operated Diaphragm Pump is a best practice in Lime Addition to Lime Slurry Preparation Tank/



Lime Dust generation while dumping into Lime slurry Preparation Tank



Air Operated Diaphragm Pump



Lime Powder flow through hose without dust generation

COROMANDEL VIZAG

SUB: Environmental – Emission & Effluent Control measures

Name of the Project: **Installation of Continuous Emission Monitoring system**

Compliance to CPCB Guidelines: Use of CEMS to continuously collect, record & report emission data of SO₂ for monitoring compliance to Sulphuric Acid Plant emission standards.

Problems faced before implementation of initiative:

1. Heights of stacks, Corrosive environment & Stack structure conditions restrict regular maintenance work at height.

Brief Description: Installed Online stack emissions monitoring system The standard CEM system consists of a sample probe, filter, sample line (umbilical), gas conditioning system, calibration gas system, and a series of gas analyzers which reflect the parameters being monitored. A Data Acquisition and Handling System (DAHS) receives the signal output from each analyzer, which is then simultaneously transmitted live to CPCB / APPCB Servers in order to collect and record emissions data

Technology used:

- SO₂ measurement – Non-Dispersive Ultraviolet Absorption spectroscopy

Benefits: Self-regulation of Industry

Challenges faced during the project:

- Moisture in stack – availability of suitable material of construction

Prevailing practice in the industry:

Compliance to APPCB order



COROMANDEL VIZAG

SUB: Environmental – Emission & Effluent Control measures

Name of the Project: **Quality Assurance Laboratory Fumes Scrubber**

Problems faced before implementation of initiative:

- Quality Assurance Laboratory Fumes let to atmosphere.

Brief Description: Fumes Scrubber

Technology used: The scrubber system consists of a void tower crossflow Gas Scrubber with a Gas Scrubber Fan drawing gases from the various emission points of the Quality Assurance Laboratory and discharging them to the Stack.

The gases enter the gas scrubber through the bottom. They are washed with an aqueous solution. This solution circulates through the pumps. The make-up is done by process water. The bleed of the scrubber is pumped to ETP for treatment & reuse.

Benefits: Scrubbing of Gases for Fumes control

Challenges faced during the project:

- Water balance & effluent control of scrub liquor

Prevailing practice in the industry: Gas scrubbing ensures sustainable emission control.



COROMANDEL VIZAG

SUB: Environmental – Soil Rejuvenation

Name of the Project: **Garden Compost**

Problems faced before implementation of initiative:

- Lower Soil Nutrients in around Housing Colony.

Brief Description: Garden Compost

Technology used: Small Pits were dug in around each house in housing colony. is as simple as collecting yard waste or the organic materials in your trash (such as fruit and vegetable peels) to fill a pit. Over the course of a year or so, the material will decompose.

Benefits: The decomposed organic material is then added to soil to provide nutrients to sustain plant growth. Compost also helps to improve soil structure and supports soil microbes that are integral to plant health.

Challenges faced during the project: Some people believe learning how to compost is too complicated, it smells bad, and it's messy. This may be true if you compost the wrong way,

Prevailing practice in the industry: Compost is a natural alternative for Garden rejuvenation.



COROMANDEL VIZAG

SUB: Environmental – Monitoring

Name of the Project: **Ammonia Leak Detectors & Siren**

Problems faced before implementation of initiative:

- Non availability of information on Gas leak emissions to employees & Public

Brief Description: Siren and Ammonia Leak detectors installed at Mulagada village and at crossroad at Gate No 9, to alert Public on Ammonia Leak

Benefits: On Site Emergency Control.

Challenges faced during the project: Public unrest on Gas leaks in neighborhood villages.

Prevailing practice in the industry: Installation of leak detectors & Siren is a best practice.



COROMANDEL VIZAG

SUB: Environmental – Water Conservation

Name of the Project: **Sewage Treated Water for Gardening**

Problems faced before implementation of initiative:

- Fresh Water availability limited for Gardening.
- Utilisation of Sewage Treated Water in production process limited.

Brief Description: Installed Sewage Treated Water storage Tank, irrigation water lines for plantation at Harita Vanam

Benefits:

1. Water Conservation by avoiding freshwater use.
2. Ecological conservation by enabling zero effluent discharge.
3. Proper operation of Sewage Treatment Plant is ensured, else presence of pathogenic bacteria will harm Green plantation as well as contaminate groundwater.

Challenges faced during the project: A large percentage of domestic & industrial water users are afraid to use this technology to supply water (direct reuse) because of the potential presence of pathogenic organisms. However, most people are willing to accept reused wastewater for lawn irrigation and for cooling purposes in industrial processes.

Prevailing practice in the industry: Suitability of this technology, especially where there is a water deficit for several months of the year, implementation of wastewater recycling or reuse by industries can reduce demands for water of potable quality, and also reduce impacts on the environment.



COROMANDEL VIZAG

SUB: Environmental – Water Conservation

Name of the Project: **Rainwater Harvesting**

Problems faced before implementation of initiative:

- Fresh Water availability limited.

Brief Description: Installed Rainwater Harvesting System for Control Rooms

Benefits:

1. Water Conservation by avoiding freshwater use.

Challenges faced during the project:

1. Limited storage of rainwater.
2. Lot of dust accumulated in collection area, is washed away into rainwater collection system during rain, clogging drains as well as acidic & huge sediment water to plantation can harm plantation.

Prevailing practice in the industry: Rainwater harvesting is the viable technology used to conserve rainwater by collecting, storing, conveying, and purifying of rainwater that runs off from rooftops, parks, roads, open grounds, etc. for later use.



SUB: Environmental – Water Conservation

Name of the Project: **Startup Tail Gas Scrubber**

Problems faced before implementation of initiative:

- High SO₂ emissions through stack during cold startup and process upsets.

Brief Description: Installed Start -up Tail Gas Scrubber where upward process gas flows is scrubbed by countercurrent Sodium Hydroxide solution in a packed Absorber, where SO₂ reacts with NaOH to form sulphite and sulphate salts (Na₂SO₃ , NaHSO₃ , Na₂SO₄).

Scrubber operates with close pH control on absorbing solution.

Benefits:

1. SO₂ emission control.

Challenges faced during the project:

1. Density control – Higher density of absorbing solution causes clogging of absorber and leads to SPM carryover.
2. Low pH of Absorbing solution causes loss of Absorption.
3. Requires automatic process control.

Prevailing practice in the industry: Startup Tail Gas Scrubber for Sulphuric Acid Plant is as part of compliance to APPCB / CPCB guidelines.



Annexure-4

**Environmental Control Measures
Coromandel International Limited
Visakhapatnam**

s.no	EHS (2023-24)	Rs. Lakhs
1	Super heater replacement along with inlet & outlet ducts	650
2	Procurement of Heat Exchanger for evaporators with Carbon fiber reinforced graphite tubes - 1 No	150
3	Dilution cooler - replacement	150
4	Road Sweeping Machine	110
5	Sulphuric acid piping in Complex-ABC Train replacement with Alloy 20	80
6	Lightening protection phase - 3	80
7	B-Tr Dryer separator vessel & C-Tr Pre-scrubber vessel renewal	70
8	Critical flow meters	60
9	LECO sulphur analyzer	55
10	Miyawaki plantation Phase - V	11
11	SAP 1&2 cooling tower blowdown water recovery pumping system	25
12	Desalination plant of 6 MLD Capacity	3000
	Total	4441

s.no	EHS (2022-23)	Rs. Lakhs
1	Green Building	20
2	Solar Street lighting	7.1
3	LED lighting	5
4	Replacement of age-old Air conditioner	15
5	Battery Operated Electric Automotive	10
6	Haritha Vanam Red soil	16
7	Miyawaki Phase-III & IV	174
8	Evaporator - II Steam Condensate recovery	33
9	2 km plant bypass road	1370
10	Anion Rinse Water Recovery system	61
11	CAAQMS & OCEMS (New & O&M)	100
12	STP Capacity Enhancement	50
13	ETP sludge storage shed	150
14	Digital Display Board	3.0
15	NOx Analyzer	14

	Total	2028.1
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s.no	EHS (2021-22)	Rs. Lakhs
1	Water recovery by rainwater harvesting	100
2	Gypsum Pond Leachate Recovery System	670
3	Installation of impervious HDPE Geo permeable membrane liner	650
4	Renovation of Online Continuous Emission Monitoring system	180
5	Renovation of Continuous Ambient Air Quality Monitoring system	70
6	Harithavanam Grass Cover	24
7	Miyawaki PH-II	45.6
8	Prill Tower area Grass	12
9	Colony Plantation	2
10	Green Visakha	271
11	Wharf plantation	2
	Total	2026.6

s.no	EHS (2020-21)	Rs. Lakhs
1	Green Visakha Plantation	266
2	CAAQMS at Garage location	49
3	EPR Charges for Plastic Waste Management	80
	Total	395

s.no	EHS (2019-20)	Rs. Lakhs
1	Green Visakha Plantation	140
2	HDPE liner for Gypsum Pond	1300
	Total	1440

s.no	EHS (2018-19)	Rs. Lakhs
1	Green Visakha Plantation	100.0
2	Gypsum Neutralization Unit	70.0
3	Drains Improvement (PA Plant)	25.0
4	Energy Efficient lighting at plants	20.0
5	Grass plantation at gypsum Pond on trials	5.0
	Total	220.0

s.no	EHS (2017-18)	Rs. Lakhs
1	Oil Skimmer	25.0
2	Green Visakha Plantation	50.0
3	PAP & remining stacks analysers	43.0
4	Gypsum Neutralization Unit	1000.0
	Process Drains Improvement (PA Plant)	130.0
	Total	1248.0

s.no	EHS (2016-17)	Rs. Lakhs
1	Oil spill recovery equipment	46.0
2	Sewage Treatment Plant	51.0
3	A , B Train – Online monitoring & Closed Circuit Camera	63 .0
	Total	160.0

s.no	EHS (2015-16)	Rs.Lakhs
1	Ambient Air Quality – 3 rd stations (replacement to Cyclone damaged)	50.0
2	Online Monitoring equipment (Complex plant C train)	18.0
3	Plantation (inside + outside)	54.0
4	Improvements in Effluent Handling	55.0
	Total	177.0

s.no	EHS (2014-15)	Status	Rs.Lakhs
1	Replacement of damaged insulation due to HUd-Hud Cyclone	2014-15	230
2	Mechanical Plate exchanger replacement at SAP-I	2014-15	80
3	Pre-scrubber tank replacement	2014-15	18
4	REPL. OF BME CANDLES FOR SAP-1 AND SAP-2	2014-15	40
5	Replacement of Dedusting system ay Ctrain Cyclone ducts	2014-15	32
	Total, Rs/-		400

s.no	EHS (2013-14)	Status	Rs.Lakhs
1	Green Belt Development by TERI on Gypsum pond	2013-14	250

2	REPL. OF BME CANDLES FOR SAP-1 AND SAP-2	April'13	62
	Total,Rs/-		312

s.no	EHS (2012-13)	Status	Rs.Lakhs
1	3 rd online AAQM station	March'13	60
2	Green Visakha -15000 saplings	March'13	58
3	A,B TRAIN COOLER CYCLONE DUCTING,RENEWAL	Nov'12	22
	Total,Rs/-		140

s.no	EHS (2011-12)	Status	Rs.Lakhs
1	Portable workplace monitoring system	May'12	10
2.	Green Visakha at Air port	March'13	50
	Total,Rs/-		60

	Capex -EHS(2010-11)	Status	Rs. Lacs
1	Effluent / Storm Water drains management	Feb'2011	30.00
2	Ambient Air Quality monitoring Station	March'2011	60.00
3	Effluent Treatment Plant(ETP)	August'2011	1600.00
4	HDPE lining -Gypsum siding area (About 5 acres)	July'2010	150.00
5	Telescopic chutes for Rock Go down	Feb'2011	45.00
6	Structural Stability	2010-11	120.00
7	Replacement of BME candles for FAT & DT	March'2011	40.00
8	AAQM Station at Mulagada village	Nov'2010	22.00
	Total(Lacs)		2067.00

2009-10		(Rupees lakhs)	
Sl. no.	Measure	Year installed	Cost Rs. Lakhs
1.	HDPE lining Gypsum area – 5 acres	2009	100.00
2.	Water Conservation	2009	50.00
3.	Improvement to storm water drain system	2009	30.00
4.	Greenbelt Development	2009	17.00
5.	Start up Alkali Scrubber at 1400 MTPD sulfuric acid plant to reduce SO2 emissions	2009	135.00
6.	Fire water system for AAST	2009	30.00
7.	Ambient air monitoring station(AAQM)	2010	75.0
8.	Study of scrubbing system at complex plant	2009	10.00
9.	Filling of Black cotton soil at 7 th gate	2010	15.00
	TOTAL(Lacs)		462.00

Sl. no.	Measure	Year installed	Cost Rs. Lakhs
10.	Installed Dry gypsum Disposal system at Phosphoric acid plant	April'2009	2900
11.	BME candles for Final absorption tower of SAP-II	2008	10
12.	Procured road sweeping machine to reduce dust emission during movement of vehicles inside the plant roads	2008	17
13.	Installation of Alkali start-up scrubber for 300 MTPD sulfuric acid plant to reduce SO ₂ emission during start-up	2008	99
14.	Installation of new bag-filter in place of existing bag-filter at wharf new silo for reduction of fugitive dust emissions	2008	14
15.	Replacement of bag-filter at old ball mill of rock-grinding unit	2007	18
16.	Installation of Air Pre-heater in Trains 'B' & 'C' of complex plant	2006	320
17.	Installation of Air Pre-heater in Train-A of complex plant	2006	165
18.	Installation of Telescopic chute (2 Nos.) at Wharf New Silo	2006	13
19.	Installation of pipe conveyor at wharf in place of cross conveyor.	2005	175
20.	Hazardous waste handling and disposal system	2004	5
21.	Installation of telescopic chute at rock phosphate storage godown.	2004	30
22.	Replacement of fume gas scrubber at phosphoric acid plant.	2004	150
23.	Installation of de-dusting system at rock phosphate unloading area.	2004	10
24.	Installation of new Screw Unloader System in place of gantry grab bucket system and construction of silo and overhead pipe conveyor at wharf	2003	2000
25.	Installation of new bag filter for storage silo at wharf area in place of existing one.	2003	20
26.	New SO ₂ on-line analyser was installed at sulphuric acid plant.	2002	8

Sl. no.	Measure	Year installed	Cost Rs. Lakhs
27.	Ground rock transfer system from rock grinding station to phosphoric acid plant modified from pneumatic system to pipe conveying system.	2002	200
28.	Bag-filter was installed on inclined conveyor at wharf area.	2002	2
29.	Additional bag-filter at rock grinding unit	2001	5
30.	New scrubbing system for train 'B'	2001	550
31.	New scrubbing system for train 'A'	2000	550
32.	Telescopic chutes (2 nos.)	2000	12
33.	Pollution control equipment for new complex Train 'C'	2000	833
	TOTAL Rs./ lakhs		8106

BEFORE THE YEAR 2000

34.	Telescopic chute, emulsifier nozzles & bag filter at wharf area	1999	10
35.	Renewal of bag filter at rock grinding	1998	15
36.	Molten sulfur handling facility	1997	1050
37.	Reinstallation of high capacity effluent pumps	1996	50
38.	Renewal of bag filter at phosphoric acid plant	1995	5
39.	Green-belt development	-	20
40.	Revamping of sulfuric acid plant converter & use of high active ring shaped catalyst.	1994	450
41.	Modification of recirculation pumps in effluent treatment plant	1994	35
42.	Fluorine recovery unit	1994	320
43.	LPG/Naphtha fumes monitor for leak detection	1993	4
44.	Installation of continuous pH meter for DT acid cooler exit water	1993	2
45.	Replacement of cold heat exchanger	1992	80
46.	Fluoride analyser for effluent analysis	1992	4
47.	Installation of continuous SO ₂ , analyser for stack in sulfuric acid plant	1992	15
48.	Installation of dust control system in bagging plant	1992	12
49.	Installation dust control system at wharf silo	1992	13
50.	Monitoring equipment viz. High volume samplers, ammonia sensors.	1990 & 91	5
51.	Effluent recycle scheme in complex plant	1989	12
52.	Construction of effluent treatment plant	1989	250
53.	Installation of bag filters in rock grinding plant	1989	12
54.	Construction of new F.A.T. in sulfuric acid plant	1989	20
55.	Extension of fume scrubber stack in phosphoric acid plant	1988	6
56.	Installation of fumes scrubber in phosphoric acid plant	1987	30
57.	Installation of mist eliminator candles in sulfuric acid plant	1987	10
58.	Rinse water recovery scheme in utilities plant	1984	3

<u>BEFORE THE YEAR 2000</u>			
59.	Replacement of conventional catalyst to more active type (Ring)	1980	60
60.	Conversion of sulfuric acid process to DCDA technology	1975	250
61.	High efficiency Venturi scrubbers in complex plant	1967	27
62.	Dust cyclones in complex plant	1967	6
63.	Installation of dust cyclones in phosphoric acid plant	1967	4
TOTAL Rs/ lakhs			2796

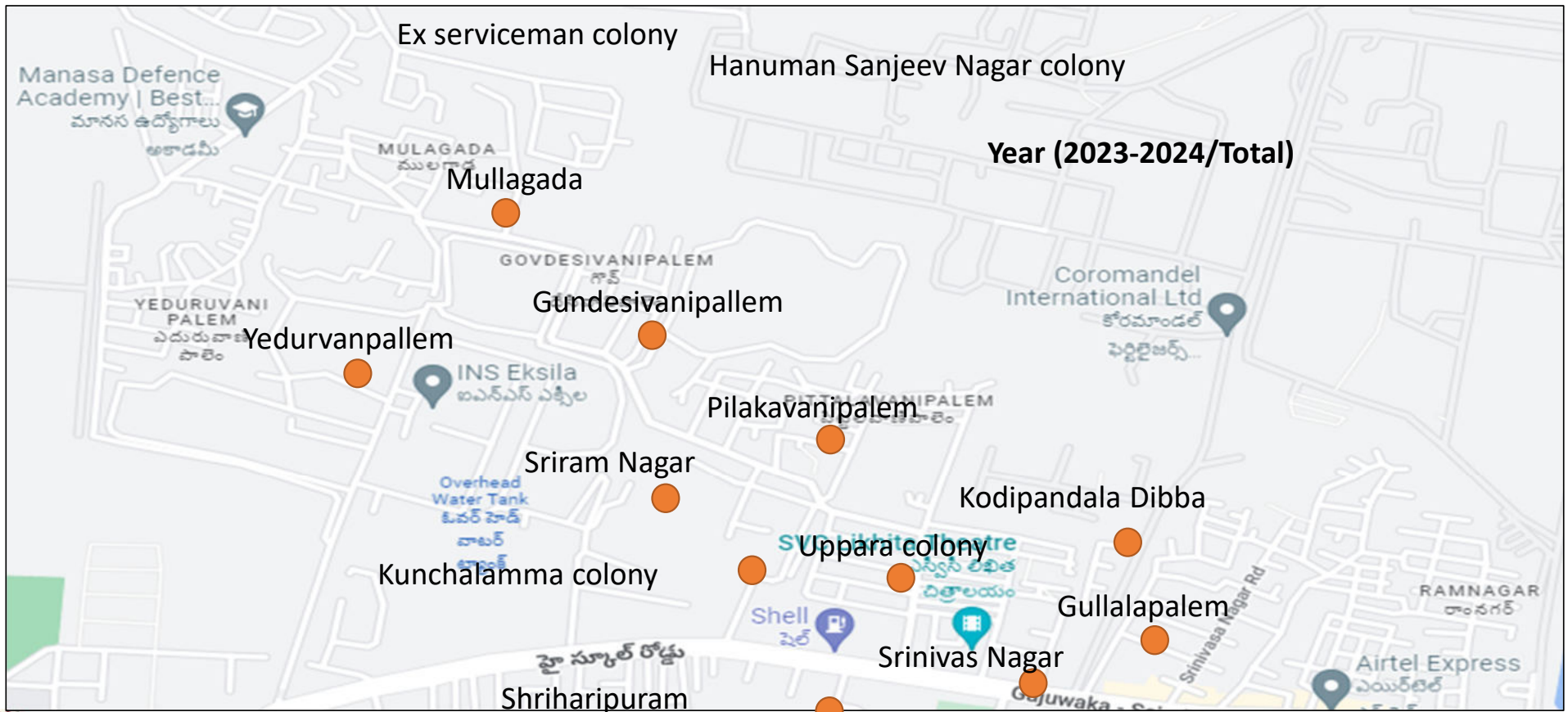
Note: Total investment from 1967 to 2012-13 = 13631 lakhs
Capital investment for 2013-14 = 312 lakhs
Investments in 2014-15 = 400 lakhs
In 2015-16 = 177 lakhs
In 2016-17 = 160 lakhs
In 2017-18 = 1248 lakhs
In 2018-19 = 220 lakhs
In 2019-20 = 1440 lakhs
In 2020-21 = 395 lakhs
In 2021-22 = 2026 lakhs



CSR
Annual report 2023-2024

Vizag

Mapping villages-Total bEN -217134



Approved Vs Spent– 23-24

S.No

Domain

Spent (Lacs)

1 Community Development

133.00

2 Health

73.79

3 Education

85.67

Total

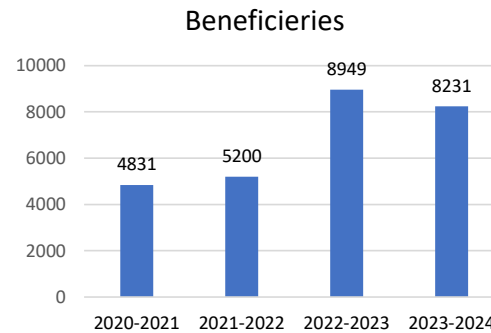
292.46

Spent
Matrix

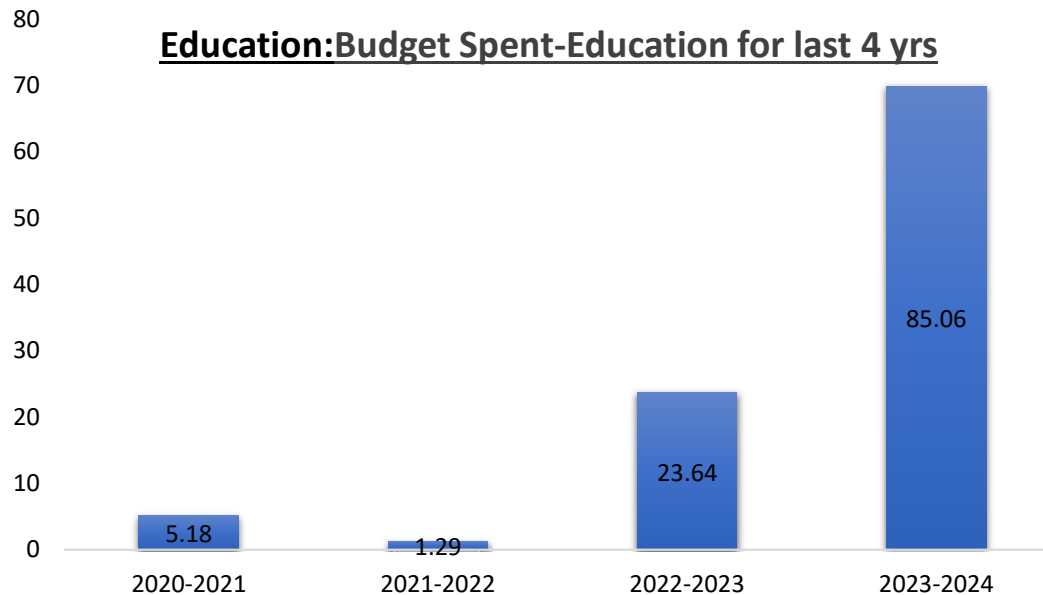
CSR Initiative-Education

Key Highlights of the Last 4 Year

- Chemistry its FUNdametals
- Renovated Social welfare Girls hostels
- Coromandel Girlchild scholarship
- Champs Life skill development to children
- Karadi path Magic English
- School infra



Education: Budget Spent-Education for last 4 yrs

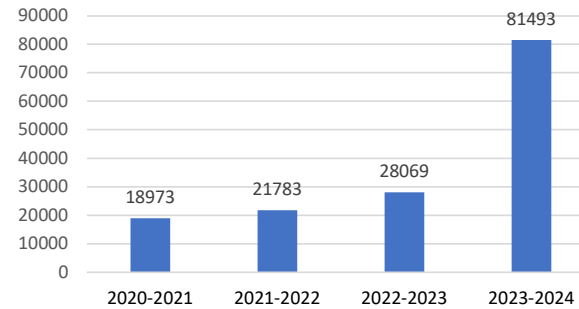


CSR Initiative-Health

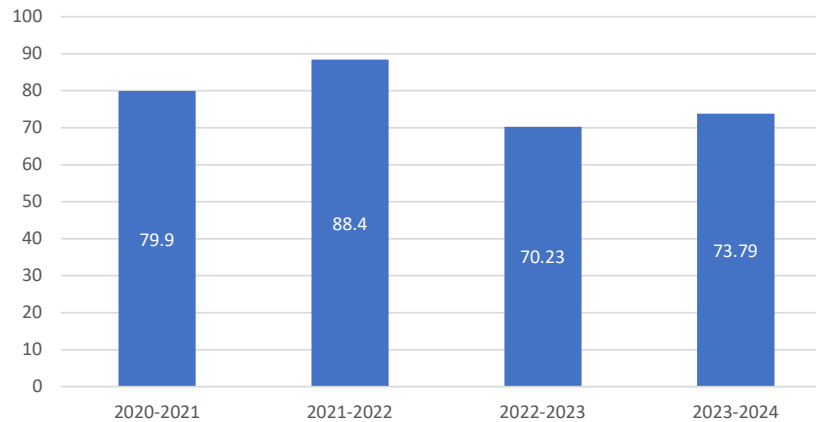
Key Highlights of the last 4Years

- New Coromandel Medical centre
- IBCC
- Eye screening camp
- Women & Children Medical camp
- Anti-Larval & Fogging
- Health & Nutrition program

Beneficiaries



Health

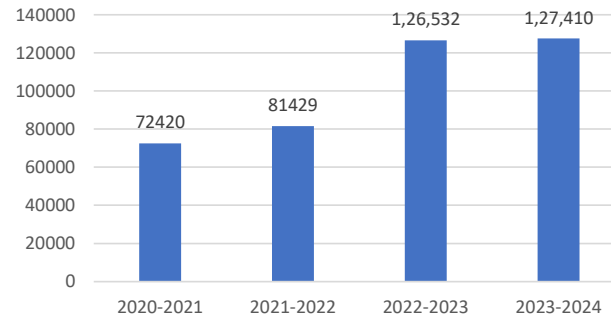


CSR Initiative-Community development

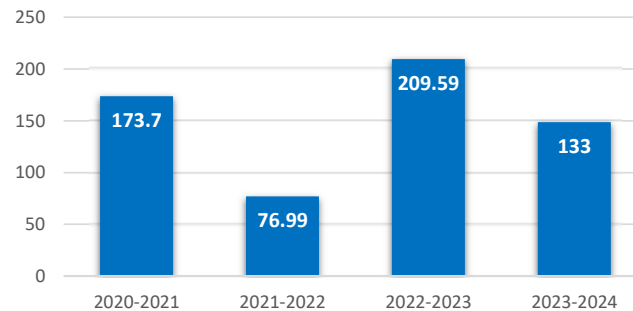
Key Highlights of the Year

- Community infra
- Women livelihood –Ekka
- Community Bore Motor wells
- Community Open Gyms-
- Inter village sports for youth
- Women sports
- RO water plant
- World environment day
- Govt ITI Computer Lab
- Renovated Fire station

Beneficiaries



Annual Budget Expenditure
Community Development





Coromandel Prayog Utsav

- Coromandel Prayog Utsav (Mega Science Fair) on 29th Feb 2024.
- Mr. Husaian, Revenue Divisional Officer, Prof. Murthy garu, HoD of Journalism & Mass Communication & Dean Examinations of Andhra University, Mr. Rama Rao, Dy. Director of Social Welfare were the Chief Guests of the program.
- Total No of schools attended :29
- No of projects :150
- Total children attended :450

Inauguration of Coromandel Science Laboratory @ Mindi High School

- Coromandel Science Laboratory was Inaugurated by Mr. Gudivada Amaranth, IT & Industrial Minister, Mr. Tippala Nagireddy, MLA of Gajuwaka at Govt High school Mindi on 26th June-2023.
- No. of Beneficiaries - 740





Coromandel Science Laboratory @ Malkapuram GVMC High School inaugurated by Mr. Arun Leslee George, President & CHRO of Coromandel International Limited

30th Aug'23

No. of Beneficiaries - 1190



Coromandel Girl Child Scholarship Program

- Organized Coromandel Girl child Students success meet-2023.
- Coromandel Ladies Association recognized and encouraged 23 children who secured 510 marks and also state level rankers from Malkapuram GVMC High school
- Beneficiaries - 70 scholarship children
- Our scholarship- SSC children attended the examination out of 23 no's got 500 above marks

Teacher training workshop

- Organized 2 days Teachers training workshop on 12th & 13th Oct 2023 at Our CRC
- To ensure teachers in these schools have access to tested teaching learning materials in both print and multimedia formats to empower the students improve their English Language proficiency
- To empower the Teachers, use audio and video tools in govt schools through the implementation of the Karadi path Program.
- Participated Mandel educational officer, cluster recourse person ,Govt school teachers and our HR dept



New Coromandel Medical Centre Inauguration

- New Coromandel Medical Centre Inaugurated by Shri Nageswarao garu, DMHO along with 58th ward Corporator, Mr.Gnanasundaram-VP & Unit Head, Mr.Jayagopal- CSR Head , Mr.Srinivasrao, DGM-HR
- DMHO appreciated coromandel management for their support towards health care services to the community.



- Initiated on 15th Nov 2023





Women & children Medical camp



- We Organized a dedicated Medical camp for Community Women & children (Up to 13years of age) at Gullalapalem & Mulagada villages and offered various services like ECG,RBS,LFT,HBSAg,CBC,ESR,THYROID PROFILE,BLOOD GROUP,URIC ACID,CERVICAL CANCER SCREENING etc.
- Provided Six services
Gynaecology/Paediatric/Orthopaedic/Nutrition /Dentist/General physician.
- Total conducted 2 villages on 3rd & 10th Dec 2023 total 541 beneficiaries benefitted they're of the programme and expressed their gratitude to the coromandel management for Organized this camp at their villages. Peoples participated from Gullalapalem & Mulagada.

World breast feeding week celebrations

- Coromandel International limited, is closely working around 5 Anganwades (Mulagada/Pilakavanipalem/Gullalapalem/Sriharipura m/Yeduruvanipalem) nearby plant surrounding areas. We have conducted World Breastfeeding Week celebrations supported with Integrated Child Development Services (ICDS)
- Total pregnant & Lactation women covered 180 Nos and we provided Nutrition kits and participated Local corporator/ICDS Project director/Anganwadi teachers



Integrated Behavior Change Communication (IBCC)

- We have organised IBCC Project- Integrated Behavior Change communication to community.
- Health awareness/Hypertension/hand wash/Adolescent/Nutrition to community members.



School Medical Camps

- Dental screening, Eye screening and Anemic screening camp 4 Govt primary and 4 High schools and total covered 9 Govt. Schools.
- As per requirement provided Dental kits & Anemic kits to school children.
- 3370 children in 8 Govt. Schools.



Eye screening camp @ Community



We organized Eye screening camp Yeduruvanipalem and Pilakavanipalem villages and no of Benefitted 490

Anti Larval & Fogging

- Anti-Larval & Fogging Sprayed to Project villages.
- To avoid & control the seasonal diseases like Dengue, Malaria- Anti-Larval & Fogging Spray to 11 major community villages.



Diabetic awareness Run

- Every year Coromandel Employee We Organized Diabetic Awareness Programme.
- Participated 98 employees provided participate certificates





Community Hall Inauguration- Gondesivanipalem (58th ward)

- 58th ward Community hall Inaugurated by Anand Kumar YSRCP in charge and MSME Chairman and 58th ward Corporator Mrs.Lavanya and community leaders on 14th Aug 2023
- 110 families benefitted & 600 peoples covered.





Community Hall Inauguration-Hanuman Sanjivani colony (60th ward)

- Community hall Inaugurated by Mr. A Anandkumar MSME Chairman and west zone YSRCP in charge, 60th ward corporator Mr. Suresh and community leaders on 14th Aug 2023
- 320 families benefitted 1600 peoples covered.
- 2 community halls works under process





10 Community Borewells installed



- Established 10 community bore wells in 10 locations
- Borewells inaugurated by Mr.Adari Anand kumar YSRCP In charge west zone & MSME Chairperson and 58th ward Corporator.
- 2023-2024 we initiated 4 Motor bore wells four villages

4 Community Open Gyms Established

- Established 4 Community Open Gyms
 - Yeduruvanipalem
 - Pilakavanipalem
 - Gullalapalem
 - Ex servicemen colony



Coromandel Inter-village Cricket Tournament 2023-24

- Coromandel encouraged youth and conducted Sports and games every year to create a healthy atmosphere among the community
- Organized Inter-village cricket tournament at Coromandel Cricket Ground
- 18 Teams participated in this event.
- Winners Yeduruvanipalem and Runners Pilakavanipalem



World Environment day

- World Environment day celebrated and distributed the cloth bags to the Public and 30 Tree plantation at social welfare Girls hostels.
- Local Corporator, Police dept and local community members participated.



Coromandel Ladies Association Initiatives

- World food day
- National Cancer day
- Printer, game kits, stationary support to Social welfare Girl hostel children
- Wheelchairs support
- Blanket supported to poor people
- Women's day celebration



Skill Development for women

- We established 4 Skill development program.
Each program batch consists of 30 women
 - Budget Rs. 5Lakhs x 4 = Rs.20.0 Lakhs
- 1.Maggam work
 - 2.Jute bag
 - 3.Handmade jewellery
 - 4.Beautician





Women's day celebrations

- 2023- Women's day celebrations, involving Community women members.
- 273 community women participated



Beat Plastic Pollution



Distribution of cloth bags in presence of **District Collector (Dr. A.MALLIKHARJUNA)** and **Mr. Y.V. Subba Reddy (Chairman – TTD)**

Mega Beach cleaning

- Every year Coromandel Employee volunteers participated in Mega beach cleaning event as a part of Social cause.
- Total - 40 Employee voluntarily engaged in the event.
- District Collector,GVMC Commissioner and IT Minister Mr.Amaranath



Road Safety awareness to Govt schools

- Every year we ensure Road safety awareness to 8 Govt schools. Conducted the quiz competition provided Prizes
- Risk and property Reduced our surround plant area Govt schools



Renovation of Social welfare Girls Hostels



Dayal Nagar Girls Hostel



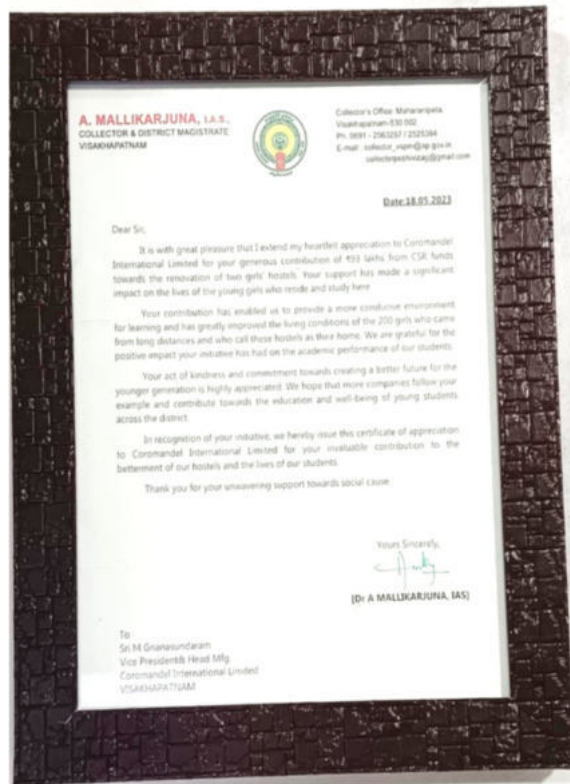
Nadupuru Girls Hostel



Social welfare Girls Hostels Inaugurated by District Collector



Social welfare Girl's hostel report Hand overed to District collector



Appreciation letter From District Collector



Coromandel ladies Association

- Coromandel Ladies Association visited and interacted with Social welfare Girl Children at Nadupuru.
- Ladies Association Provided Stationery and Games kits to school children.
- Ladies Association conducted Health Hygiene awareness session to children.
- 30 tree Plantation carried out by the team.



Coromandel Ladies Association visited to Social welfare Girls PG hostel Dayal Nagar

- Coromandel Ladies Association visited and interacted with Social welfare Girl PG students at Nadupuru.
- Ladies Association supported scanning printer to Hostel students.
- Awareness created on Personal Hygiene by Dr.Madhulatha.
- 30 tree Plantation carried out by the team.



PRSI National CSR Award

- Received First Prize in best CSR Programme for promoting Science & Technology.
- Award presented by Mr. Rajiv Ranjan Misra, Dhruva Jyoti Patil.



Malkapuram Police station Renovation

- Renovated Malkapuram Police station and it was inaugurated by Mr. Anand Reddy, DCP Zone 2, Mr. Gnanasundaram-Vice President & Mr. GSV Raja, AVP HR of Coromandel along with Mr. Demudu Babu garu, Station Officer of Malkapuram Police Station





150 Safety Barricades to Police & surrounding communities

Fire Station Renovation jobs @ Pedagantyada

- Inaugurated by Mr.Niranjanreddy,
Regional Fire officer, Mr. M.
Gnanasundaram, Vice President of
Coromandel along with Mr. Renukaiah,
District Fire officer





Thank You

Labs and Consultants**Registered Office :**

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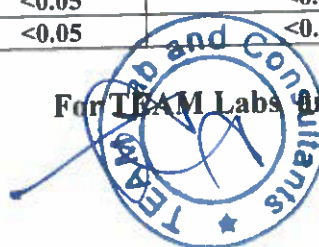
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TEST REPORT

Test Report No.	TLC/V/Env/CIL/17/1124		dt.02.12.2024	
Description of Test	Ambient Air quality Monitoring inside the CIL			
Name of the client	Coromandel International Limited, Visakhapatnam			
Location of sampling	Stations as per details given			
Period of Monitoring	For the Month ofNOVEMBER-2024			
Summary of Ambient Air quality Monitoring Data for the Month of NOVEMBER-2024				
Parameters		AAQ-1 Station at the Top of Cafeteria	AAQ-2 Station near DG sets	AAQ-3 Station at Gate -13 (Near Bagging plant)
PM2.5	Minimum	32	35	33
	Maximum	41	42	41
	98%tile	41	42	41
	Average	37	39	37
PM 10 $\mu\text{g}/\text{M}^3$	Minimum	66	69	64
	Maximum	80	84	78
	98%tile	80	84	78
	Average	74	76	73
SO ₂ $\mu\text{g}/\text{M}^3$	Minimum	15.0	20.5	14.2
	Maximum	23.0	25.4	16.6
	Average	19.5	23.3	15.5
	98%tile	23.0	25.4	16.6
NO _x $\mu\text{g}/\text{M}^3$	Minimum	17.4	20.9	16.3
	Maximum	22.7	25.5	19.5
	98%tile	22.7	25.5	19.5
	Average	20.3	22.9	17.5
NH ₃ mg/M^3	Minimum	0.020	0.04	0.02
	Maximum	0.04	0.06	0.03
	98%tile	0.04	0.06	0.03
	Average	0.035	0.046	0.025
O ₃ $\mu\text{g}/\text{M}^3$	Minimum	15	16	15
	Maximum	22	24	20
	98%tile	22	24	20
	Average	19	21	17
CO mg/M^3	Minimum	0.1	0.2	0.1
	Maximum	0.3	0.3	0.3
	98%tile	0.3	0.3	0.3
	Average	0.22	0.25	0.2
Pb $\mu\text{g}/\text{M}^3$	<0.05	<0.05	<0.05	<0.05
C6H6 ng/M^3	<0.05	<0.05	<0.05	<0.05
B(a)P ng/M^3	<0.05	<0.05	<0.05	<0.05
As ng/M^3	<0.05	<0.05	<0.05	<0.05
Ni ng/M^3	<0.05	<0.05	<0.05	<0.05

For TEAM Labs and Consultants



Labs and Consultants

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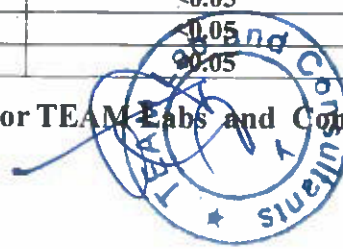
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TEST REPORT

Test Report No.		TLC/V/Env/CIL/18/1124	dt.02.12.2024
Description of Test		Ambient Air quality Monitoring inside the CIL unit	
Name of the client		Coromandel International Limited, Visakhapatnam	
Location of sampling		Stations as per details given	
Period of Monitoring		For the Month ofNOVEMBER-2024	
Summary of Ambient Air quality Monitoring Data for the Month of NOVEMBER-2024			
Parameters		AAQ-4 Station at Warf	AAQ-5 Station near VST
PM2.5	Minimum	32	37
	Maximum	40	44
	98%tile	40	44
	Average	37	40
PM 10 µg/M³	Minimum	64	72
	Maximum	82	84
	98%tile	82	84
	Average	74	77
SO₂ µg/M³	Minimum	15.0	16.9
	Maximum	17.2	19.5
	Average	16.0	17.9
	98%tile	17.2	19.5
NOₓ µg/M³	Minimum	17.5	18.5
	Maximum	19.4	20.2
	98%tile	19.4	20.2
	Average	18.5	19.7
NH₃ mg/M³	Minimum	0.02	0.04
	Maximum	0.03	0.06
	98%tile	0.03	0.06
	Average	0.024	0.46
O₃ µg/M³	Minimum	15	16
	Maximum	20	20
	98%tile	20	20
	Average	17	18
CO mg/M³	Minimum	0.2	0.2
	Maximum	0.3	0.3
	98%tile	0.3	0.3
	Average	0.25	0.28
Pb µg/M³	<0.05	<0.05	<0.05
C6H6 ng/M³	<0.05	<0.05	<0.05
B(a)P ng/M³	<0.05	<0.05	<0.05
As ng/M³	<0.05	<0.05	<0.05
Ni ng/M³	<0.05	<0.05	<0.05

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TEST REPORT

Test Report No	TLC/V/Env/CIL/30/1124	DATE 02-12-2024
Description of Test	Noise Level Monitoring	
Name of the client	Coromandel International Limited, Visakhapatnam	
Location of sampling	Asper details provided	
Date of collection	NOVEMBER - 2024	
DEPARTMENT / SECTION	LOCATION / AREA	NOISE LEVEL LIMITI (75 dB)
A-Train	Granulator	70
	Screen Area	64
	Dryer	72
	Control Room	68
	Ground floor	65
	Air preheater	69
B-Train	Granulator	74
	Screen Area	63
	Dryer	73
	Control Room	64
	Ground floor	72
	Air preheater	69
C-Train	Granulator	70
	Screen Area	65
	Dryer	70
	Control Room	56
	Near the Entrance	67
	Air preheater	64
Phosphoric Acid Plant -1	Control Room	59
	Vaccum pump area	74
	Top of the Reactor	72
Phosphoric Acid Plant -2	Near Evaporatar Pumps	70
	Top of the Reactor	72
	Acid Tanks	61
	Control Room	59
PAP -1 Belt Filter - 1	Ground Floor	67
	Vacc.Pump	62
	Filter Area	64

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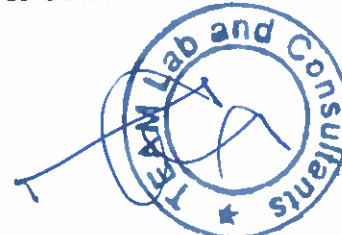
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Laboratory Recognised by Ministry of Environment, Forests and Climate Change, Govt, New Delhi
NABL Accredited Laboratory**TEST REPORT**

Test Report No	TLC/V/Env/CIL/31/1124	DATE 02-12-2024
Description of Test	Noise Level Monitoring	
Name of the client	Coromandel International Limited, Visakhapatnam	
Location of sampling	Asper details provided	
Date of collection	NOVEMBER - 2024	
DEPARTMENT / SECTION	LOCATION / AREA	NOISE LEVEL LIMITI (75 dB)
PAP - 2 Belt Filter -2	Belt Filter Ground Floor	69
	Vaccum pump area	72
	Filter Area	73
Rock Grinding -1	Control Room	60
	Near Ball Mill	64
Rock Grinding - 2	Control Room	62
	Near Ball Mill	74
Sulfuric Acid Plant -1	Blower Area	65
	DCS room	64
	Near Acid Tank	72
	Near New SAP Blower	68
	Melter Area	61
Sulfuric Acid Plant -2	Blower Area	62
	DCS room	60
	Near Acid Tank	74
	Near New SAP Blower	72
	Stack Area	61
	Melter Area	66
Sulfuric Acid Plant -3	Sulfuric Acid tanks	61
	Cooling towers	65
	M S tanks	64

For Team Labs Consultants



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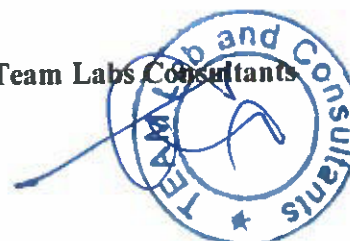
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TEST REPORT

Test Report No	TLC/V/Env/CIL/32/1124	DATE 02-11-2024
Description of Test	Noise Level Monitoring	
Name of the client	Coromandel International Limited, Visakhapatnam	
Location of sampling	Asper details provided	
Date of collection	NOVEMBER - 2024	
DEPARTMENT / SECTION	LOCATION / AREA	NOISE LEVEL LIMITI (75 dB)
Old bagging plant	Ground Floor	60
	Automatic Bagging Machine-A	62
	Automatic Bagging Machine-B	69
	Automatic Bagging Machine-C	71
	Control Room	61
	BIN floor	66
New bagging plant	Automatic Bagging Machine	74
	Control Room	61
TG Plant	Near TG(Ground Floor)	63
	Control Room	61
G-Sulphur	Sulphur Pit	69
	Conveyor Area	70
ETP	Control Room	69
	Pumps Area	57
Boiler	Near Boiler	71
	Boiler Outlet	74
	ASH Siol	60
	Control Room	65
Utility	HP to LP make up	60
	Utility Control Room	65
	Utility Room o/s Boiler	75
	Feed Water pump area	74
	Compressor Section	70

For Team Labs Consultants



Labs and Consultants**Registered Office :**

B-115, 116, 117 & 509, Annapoorna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.

Ph. : (O) 040-23748555 / 23748616, Fax : 040-23748666, Email : teamlabs@gmail.com

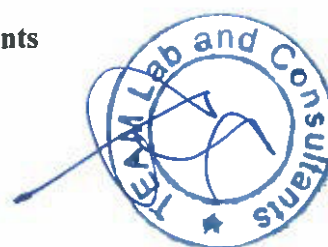
Laboratory Recognised by Ministry of Environment, Forests and Climate Change, Gol, New Delhi

NABL Accredited Laboratory

TEST REPORT

Test Report No	TLC/V/Env/CIL/30C/1124	DATE 02-12-2024
Description of Test	Noise Level Monitoring	
Name of the client	Coromandel International Limited, Visakhapatnam	
Location of sampling	Asper details provided	
Date of collection	NOVEMBER - 2024	
	LOCATION / AREA	NOISE LEVEL LIMITI (70 dB)
Night	1St Gate	50
	2nd Gate	54
	3rd Gate (Plant)	56
	4th Gate	52
	5th Gate	50
	6th Gate	52
	7th Gate	54
	8th Gate	51
	9th Gate	61
	Contractor gate	50
Day		NOISE LEVEL LIMITI (75 dB)
	1St Gate	62
	2nd Gate	60
	3rd Gate (Plant)	65
	4th Gate	61
	5th Gate	60
	6th Gate	65
	7th Gate	60
	8th Gate	63
	9th Gate	60
	Contractor gate	61

For Team Labs Consultants



Labs and Consultants**Registered Office :**

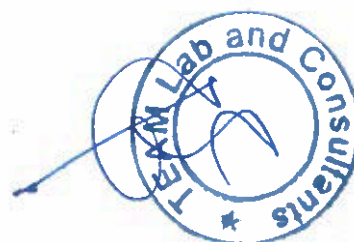
B-115, 116, 117 & 509, Annapoorna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.

Ph. : (O) 040-23748555 / 23748616, Fax : 040-23748666, Email : teamlabs@gmail.com

Laboratory Recognised by Ministry of Environment, Forests and Climate Change, GoI, New Delhi
NABL Accredited Laboratory**TEST REPORT**

Test Report No	TLC/V/Env/CIL/30E/1124	DATE 02-12-2024
Description of Test	Noise Level Monitoring	
Name of the client	Coromandel International Limited, Visakhapatnam	
Location of sampling	Asper details provided	
Date of collection	NOVEMBER - 2024	
	LOCATION / AREA	NOISE LEVEL LIMITI (70dB)
	VST Terminal	
Night	Storage Trucks Area	52
	Control Room	46
	VST Gate	50
	Transformer Area	58
		NOISE LEVEL LIMITI (75 dB)
Day	Storage Trucks Area	60
	Control Room	62
	VST Gate	61
	Transformer Area	69

For Team Labs Consultants



Labs and Consultants**Registered Office :**

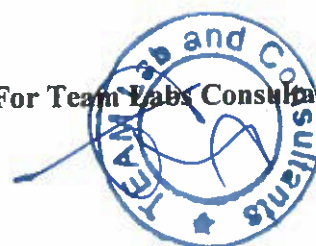
B-115, 116, 117 & 509, Annapoorna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.

Ph. : (O) 040-23748555 / 23748616, Fax : 040-23748666, Email : teamlabs@gmail.com

Laboratory Recognised by Ministry of Environment, Forests and Climate Change, Govt, New Delhi
NABL Accredited Laboratory**TEST REPORT**

Test Report No	TLC/V/Env/CIL/30D/1124	DATE 02-12-2024
Description of Test	Noise Level Monitoring	
Name of the client	Coromandel International Limited, Visakhapatnam	
Location of sampling	Asper details provided	
Date of collection	NOVEMBER - 2024	
	LOCATION / AREA	NOISE LEVEL LIMITI (70dB)
WHARF		
Night	Control Room	40
	Trucks loading Area	52
	Boiler Area	62
	Bearth Area	60
		NOISE LEVEL LIMITI (75 dB)
Day	Control Room	66
	Trucks loading Area	65
	Boiler Area	60
	Bearth Area	69

For Team Labs Consultants



EHS/APPCB/2024-021

Coromandel International Limited

Post Box No. 1116, Sriharipuram, Malkapuram Post
Visakhapatnam - 530 011, Andhra Pradesh, India
Tel : 91-891-2578400
DID : 91-891-2893+Extn No
Website : www.coromandel.biz
CIN : L24120AP1961PLC000892
GSTIN : 37AAAGC7852K17C

28th March 2024

To,

Environmental Engineer
A.P. Pollution Control Board
Regional Office
Visakhapatnam – 530 018

Sub: Submission of Mock Drill report by Coromandel International Limited,
Visakhapatnam –Reg.

Ref: Schedule-C condition number 09 in CFO order no: 7055/APPCB/ZO-VSP/CFO/VSP/2021
Dt:01.11.2021.

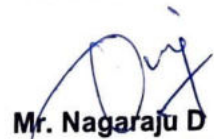
Dear Sir,

This is bringing to your kind information that, we have submitted the Mock Drill report
(Conducted on 30.08.2023) by VST Terminal, Coromandel International Limited, Visakhapatnam
to the Factories Department Dated on 27.09.2023 and acknowledge received.

The same acknowledgement copy, we are submitting to your good selves as part of Schedule-C
condition number 09 in CFO order no: 7055/APPCB/ZO-VSP/CFO/VSP/2021 Dt:01.11.2021

Hence you are requested to acknowledge receipt of the report.

Yours Truly

For **Coromandel International Limited, Visakhapatnam**


Mr. Nagaraju D
AGM- Head of EHS Department.



Enclosure: Annexure:01 Mock Drill report.

O/c

EHS/IF/2023-24/

26/09/2023

To,
Dy. Chief
The Inspector of Factories
50-50-35/8, Gurucharan Marg,
Seethammadhara,
Visakhapatnam – 530013.

Subject: Submission of **On-Site Emergency Mock Drill** report conducted on **30.08.2023**.

Dear Sir

We herewith enclosed the complete report of **On-Site Emergency Mock Drill** conducted on **30.08.2023** at Coromandel International Limited, Visakhapatnam along with minutes and photographs for your records.

Thanking you,

Yours faithfully,
For M/S Coromandel International Limited,

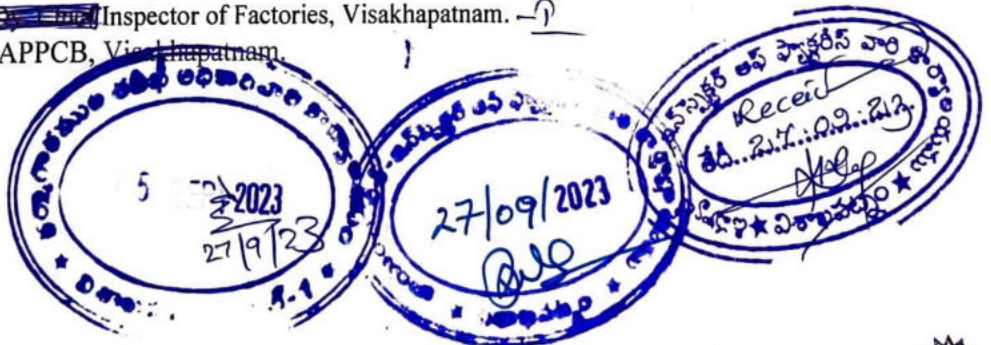


Gnanasundaram M,
VP & Head Manufacturing.

GSR/DNR

CC:

1. The Joint Chief Inspector of Factories
2. The ~~Joint~~ Inspector of Factories, Visakhapatnam. — 1
3. RO, APPCB, Visakhapatnam



Mock drill Report

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Type of Mock Drill : Un-informed Localized Mock drill

Date of Mock Drill : 30.08.2023 (Wednesday)

Time of Start : 11:25 hrs.

Time of Clearance : 12:10 hrs.

Area : VST Terminal

Scenario : While Loading of Phosphoric Acid Tanker from Phosphoric Acid Tank 2 at Tanker loading Platform, Major Phosphoric Acid leak observed from flange joint.
Two of the contract workmen who were present and performing the task of loading activity were exposed to toxic inhalation and due to improper PPE'S eyes were got effected.

Wind Directions : From North

Pre - Mock Drill Meeting :

Mock drill Coordinator conducted a Pre – Mock drill meeting on 24.03.2023 in presence of AGM-EHS at incident site where the postulated scenario and all possible criticalities were discussed.

Objective of Mock Drill :

The broad objective of the mock exercise conducted in Coromandel International Limited, Visakhapatnam was to review the emergency preparedness. The other specific objectives are to:

- ✓ Assess the response mechanism of the first responders.
- ✓ Enhance coordination among the emergency support functioning agencies.
- ✓ Awareness creation among the employees and contract workmen
- ✓ To evaluate competency of emergency personnel in use of firefighting equipment's and first aid during emergency situations.
- ✓ To identify organizational strength and weakness in dealing with emergencies.

Observers:

Independent observers were designated in various locations as follows. Each of them closely observed the entire process and response mechanism during the drill and a report was submitted on the gaps identified.

1. At Area of emergency : Mr. Wasim Khan (VPT Terminal Dy Fire Chief)



Coromandel International Limited, Visakhapatnam

Integrated Management System (IMS) Manual
Quality, Environment and Occupational Health & Safety & Energy (QHSEE)



Mock drill Report

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- | | | |
|--------------------------------|---|--------------------------------------|
| 2. At Emergency control center | : | Mr. Kartheek (EHS) |
| 3. At VST control room | : | Mr. Gopal M (VST Terminal In charge) |
| 4. At Fire station | : | Mr. Ganesh V (PAP 1) |
| 5. At OHC | : | Dr. Uday (HR Dept) |

Assembly points:

- | | | |
|-----------------------|---|--------------------------------|
| 1. Assembly point - 1 | : | VST Security Gate |
| 2. Assembly point - 2 | : | Vizag Port Trust Security Gate |

Initiation of Emergency:

While Loading of Phosphoric Acid Tanker from Phosphoric Acid Tank 2 at Tanker loading Platform, Major Phosphoric Acid leak observed from flange joint.

Two of the contract workmen who were present and performing the task of loading activity were exposed to toxic inhalation and due to improper PPE'S eyes were also got effected.

Emergency Organization:

- | | | |
|----------------------------|---|---|
| Chief Emergency Controller | : | Mr. Jaganathan K
AVP (Operations) |
| Chief Incident Controller | : | Mr. Shunmuga Sundaram-S
AGM (Operations - PAP 1&2) |
| Mock Drill Coordinator | : | Mr. G Santosh Reddy / Mr. Kartheek K
Mgr.- Fire & safety / Asst Mgr.-EHS |

Delegates Present :

S.no.	Name	Designation
1	Mr. Wasim Khan	VPT Terminal Dy. Fire Chief

Organization Delegates :

S.no.	Name	Designation
1	Mr. Jaganathan	AVP - Operations
2	Mr. Nagaraju D	AGM - EHS
3	Mr. Ranganayakulu	Sr. AVP - Maintenance
4	Mr. Srinivasa Rao	AGM - Materials
5	Mr. Chinmay Mohanthy	AGM - Quality

Mock drill Report

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6	Mr. Narayana Pathrudu	CSO
7	Mr. Sarma	Sr. Mgr. – PSMS
8	Mr. Shunmuga Sundaram-S	AGM – Operations
9	Mr. Santosh Reddy G	Mgr.-Fire
10	Mr. Srinivas Pithani	Sr.Mgr. – Inspection

Time Log of MOCK EXERCISE:

Time (Hrs.)	At the Incident Location i.e., at Sulphur Godown
11:25	- While Loading of Phosphoric Acid Tanker from Phosphoric Acid Tank 2 at Tanker loading Platform
11:28	- During Loading Activity Major Phosphoric Acid leak observed from flange joint.
11:29	- 02 of the contract workmen who were present and performing the task of loading activity were exposed to toxic inhalation.
11:29	- By observing the leak, Mr. B Thrinadh Rao and communicate about Leak incident to Area Head Mr. Gopal on the Telephone.
11:30	- Incident Controller dials 111 and wearing multi gas cartridge mask went for incident location to check the situation.
11:31	- Seeing the Phosphoric Acid leak propagating at a very fast rate, Incident Controller immediately informed to Shift Superintendent and siren was not activated due to localized mock drill.
11:40	- Visakhapatnam Port Trust Fire crew along with First Fire tender reached at site and reported to incident controller.
11:42	- On the instruction of incident controller Fire & ERT Team Rescued 02 no. victim (who was lying inside Fire prone area) on Fire Man Rescue Method and two men carry method.
11:43	- Fire crew connected fire hoses and started spraying water on for Controlling the Fumes.
11:52	- CIL Ambulance reached at site and reported to incident controller.
11:53	- CIL Fire crew along with Fire tender reached at site and reported to incident controller.
11:53	- Mr. Shunmuga Sundaram S has arrived at the spot and taken charge of the Chief incident controller and briefed the situation to the Chief Emergency Controller through Telephonically.
11:59	- Mr.Nagaraju D, EHS-HOD coordinated with the safety officer at the incident site regarding casualties. PPE availability, and the LEL concentration and updated the same to Chief Emergency Controller.
12:05	- Leak was observed to be coming slowly under control.
12:06	- Leak was found to be doused completely.



Coromandel International Limited, Visakhapatnam

Integrated Management System (IMS) Manual
Quality, Environment and Occupational Health & Safety & Energy (QHSEE)



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12:08	- Chief Incident Controller instructed Shift Safety Officer to measure LEL concentration in that area.
12:09	- Shift safety officer measured the LEL concentration and informed to chief incident controller as 00 ppm.
12:10	- Chief Incident Controller conveyed same to Chief Emergency Controller.
Time (Hrs.)	At the OHC
11:30	- Emergency telephone ring observed.
11:30	- Dr. Uday Immediately informed to send ambulance to the incident site.
11:31	- Ambulance with OHC staff rushed to incident spot.
11:38	- HR representative Mr. R. Srinivasa Rao arrived at OHC and met Dr. Uday.
12:30	- An ambulance arrived at the OHC carrying the victim, 02 contract worker of VST. It took 1 minute to position the vehicle. Victim found on oxygen with continuous eye eash.
12:32	- Dr. Uday checked the condition of the patient and after confirmed he is conscious. Victim brought down on stretcher and shifted inside OHC
12:34	- Victim Shifted on bed and checked for any wounds. Dr. Uday interreacted with victim and confirmed no severity, suspected 1 st Degree burns
12:36	- Dr. Uday got call from VST in-charge, Mr. Gopal for enquiring the condition of victims
Time (Hrs.)	At Emergency Control room & Fire Station
11:31	- Fire tender moved towards incident area and Ambulance started from OHC
11:38	- All HODs (R Srinivasa Rao, K Jaganathan, Ranganayakulu, K Srinivasan) arrived to ECC.
11:45	- Mr. Jaganathan K briefed about the incident & informed about injury of 1 person at site
11:46	- Mr. Jaganathan K (CEC) arrived at ECC
11:48	- Safety officer at site described to Safety head about the situation at site and also the water pressure was 6.5kg
11:49	- Continues message passed from safety officer regarding the Leakage arresting at site
11:52	- HR head got information of total head count at Gate of VST.
12:10	- Safety head received the message that leak is under control & LEL came down to zero
12:11	- Incident Controller informed that Leak is completely Controlled and everything is under control
12:11	- After thoroughly checking the incident area All clearance given

Mock drill Report

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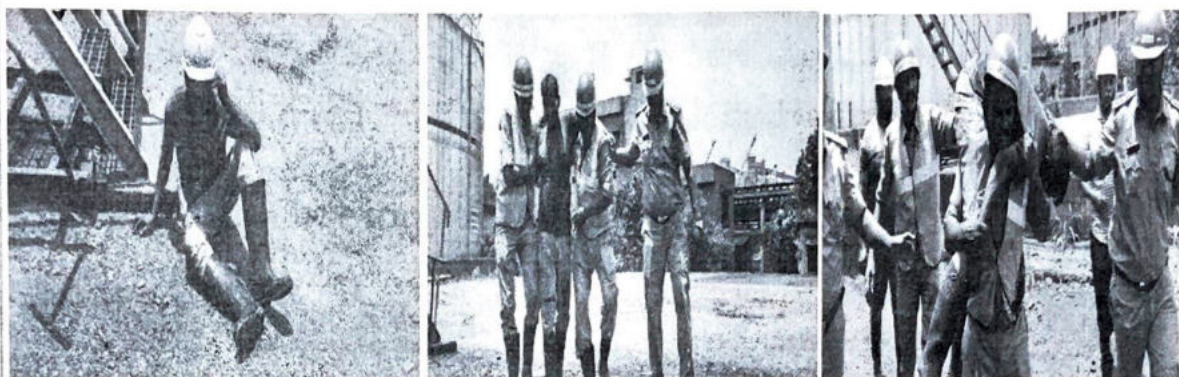
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Photos:

**PERSON EXPOSED TO FUMES AND FELL DOWN AT VST AREA & SHIFTING TO
SAFE LOCATION**



**INCIDENT CONTROLLER AND EMERGENCY SERVICES REACHED AT INCIDENT
SITE**





Coromandel International Limited, Visakhapatnam

Integrated Management System (IMS) Manual
Quality, Environment and Occupational Health & Safety & Energy (QHSEE)



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Mock drill Report

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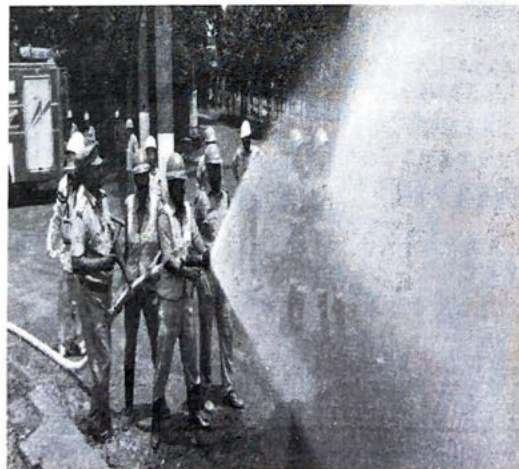
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VICTIM RESCUE HAS BEEN CARRIED OUT FROM INCIDENT SITE



WATER SPRAY OPERATION STARTED BY FIRE & ERT TEAM



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SITE EVACUATION & INCIDENT BRIEFING



Noteworthy Points:

1. As per emergency preparedness plan rescue team and Emergency vehicles (Fire Tenders & Ambulance) reached at site within short period of time.
2. The mock drill was conducted during break time. VST Plant staff, fire safety and security response times were observed good and appreciable.
3. VPT Emergency team reached the spot by donning of SCBA with Proximity Suit set and rescued the injured person within short period of time.
4. Sufficient fire extinguishers were available near VST area and all were in working condition.
5. Good teamwork observed throughout execution of the mock drill. Workers working at the location evacuated properly by ERT team and sent to assembly point.
6. Assembly point at site was found to be used. ERT team participation was found good. They coordinated well with the departmental ERT team and the situation was brought under control.

OBSERVATIONS MADE/DECISION TAKEN AT THE MEETING :

S. NO	OBSERVATIONS	
	SCOPE FOR IMPROVEMENT POINTS	Responsibility and Target date
1	<p>Siren were not available for VST area.</p> <p>Action plan: Low range siren at GFCL – VST to handle any emergency Shall be provided to the Terminal area.</p>	<p>Mr. Gopal M</p> <p>Target date: 30.10.2023</p>



Coromandel International Limited

Post Box No. 1116, Sriharipuram, Malkapuram Post
Visakhapatnam - 530 011, Andhra Pradesh, India
Tel : 91-891-2578400
DID : 91-891-2893+Extn No
Website : www.coromandel.biz
CIN : L24120AP1961PLC000892
GSTIN : 37AAACC7852K1ZC

EHS/APPCB/2024-040

Date: 06.05.2024

To
The Environmental Engineer,
A.P. Pollution Control Board,
D.No. 33-26-14 D/2,
Near Sunrise Hospital,
Pushpa Hotel Centre,
Chalamalavari Street,
Kasturibaipet, Vijayawada – 520010

Dear Sir,

RH461132235TH IVR:8278461132235
RL MALKAPURAM S.O <530011>
Counter No:1.07/05/2024.10:33
To:THE ENVIRONME.APPCB KASTURIBAI
PIN:520010, Venkateswarapuram S.O
From:COROMANDEL .EHS HOD MALKAPUR
Wt:2400gms.REG=17.0
Amt:31.86(Cash)Tax:4.86
<Track on www.indiapost.gov.in>
<Dial 18002666868> <Wear Masks. Stay Safe>

Sub: Coromandel International Limited- Visakhapatnam-Submission of Hazardous
Waste Annual Returns in Form-4 – FY2023-2024 - Regarding.

Ref: Hazardous and Other Wastes (Management and Transboundary Movement) Rules,
2016

We are herewith furnishing annual returns (for the period April'23 to March'24) in Form-4 as
per "Hazardous and Other Wastes (Management and Transboundary Movement) Rules,
2016" and amendment thereof under E (P) Act, 1986.

Kindly acknowledge the receipt of same.

Thanking you,

Yours Truly,

For COROMANDEL INTERNATIONAL LIMITED

Gnanasundaram M
Vice President & Head Manufacturing.

Encl. As above

CC to: i) The Environmental Engineer, Regional Office, APPCB, Visakhapatnam.



EHS/APP/2024-040

Date: 06.05.2024

To
The Environmental Engineer,
A.P. Pollution Control Board,
D.No. 33-26-14 D/2,
Near Sunrise Hospital,
Pushpa Hotel Centre,
Chalamalavari Street,
Kasturibaipet, Vijayawada – 520010

Dear Sir,

Sub: Coromandel International Limited- Visakhapatnam–Submission of Hazardous
Waste Annual Returns in Form-4 – FY2023-2024 - Regarding.

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For COROMANDEL INTERNATIONAL LIMITED



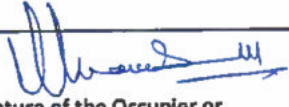
Gnanasundaram M
Vice President & Head Manufacturing.


NAG/DNR

Encl. As above

CC to: i) The Environmental Engineer, Regional Office, APPCB, Visakhapatnam.

FORM-4																												
[See rules 6(5), 13(8), 16(6) and 20(2)]																												
FORM FOR FILING ANNUAL RETURNS																												
(To be submitted to State Pollution Control Board by 30th day of June of every year for the preceding period April to March)																												
1	Name and address of facility:	Coromandel International Limited, Sriharipuram, Malkapuram (PO), Visakhapatnam-530011, Andhra Pradesh, India. Phone: 0891-2578400																										
2	Authorisation No. and Date of issue:	Authorization no. APPCB/VSP/65/CFO/HO/1967 Issued date: 30.09.2022 Valid Upto 31.08.2027																										
3	Name of the authorised person and full address with telephone, fax number and e-mail:	M. Gnanasundaram VP-Head Manufacturing Sriharipuram, Malkapuram (PO), Visakhapatnam-530011, Andhra Pradesh, India. Phone: 0891-2578400																										
4	Production during the year (product wise), wherever applicable	: Complex plant : Sulphuric acid : Phosphoric acid	1165048 861859 370617	MT/Annum																								
Part A. To be filled by hazardous waste generators																												
1	Total quantity of waste generated category wise		<table border="1"> <thead> <tr> <th>Name of the Hazardous waste</th> <th>Quantity generated</th> </tr> </thead> <tbody> <tr> <td>1) Acid residues (Tank bottom sludge)</td> <td>25.000 MT</td> </tr> <tr> <td>2) Sulphur muck (Sulphur sludge)</td> <td>940.000 MT</td> </tr> <tr> <td>3) Spent Catalyst</td> <td>48.820 MT</td> </tr> <tr> <td>4) Used lubricating oil/drained oil</td> <td>13.620 KL</td> </tr> <tr> <td>5) Detoxified Containers</td> <td>2438.000 No's</td> </tr> <tr> <td>6) LSHS Sludge</td> <td>4.070 MT</td> </tr> <tr> <td>7) Scrubbing sludge</td> <td>395.000 MT</td> </tr> <tr> <td>8) ETP sludge</td> <td>490.000 MT</td> </tr> <tr> <td>9) Off specified ,expired chemicals & lab chemicals etc.</td> <td>0.000 MT</td> </tr> <tr> <td>10) Glass wool</td> <td>0.000 MT</td> </tr> <tr> <td>11) Insulation Puf</td> <td>0.000 MT</td> </tr> </tbody> </table>		Name of the Hazardous waste	Quantity generated	1) Acid residues (Tank bottom sludge)	25.000 MT	2) Sulphur muck (Sulphur sludge)	940.000 MT	3) Spent Catalyst	48.820 MT	4) Used lubricating oil/drained oil	13.620 KL	5) Detoxified Containers	2438.000 No's	6) LSHS Sludge	4.070 MT	7) Scrubbing sludge	395.000 MT	8) ETP sludge	490.000 MT	9) Off specified ,expired chemicals & lab chemicals etc.	0.000 MT	10) Glass wool	0.000 MT	11) Insulation Puf	0.000 MT
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FORM-4			
<i>[See rules 6(5), 13(8), 16(6) and 20(2)]</i>			
FORM FOR FILING ANNUAL RETURNS			
[To be submitted to State Pollution Control Board by 30th day of June of every year for the preceding period April to March]			
3	Quantity utilised in-house, if any -	Name of the Hazardous waste	Quantity utilised
		1) Acid residues (Tank bottom sludge)	28 MT
		2) Sulphur muck (Sulphur sludge)	995 MT
		3) Scrubbing sludge	410 MT
		3) ETP sludge	560 MT
4	Quantity in storage at the end of the year -	Name of the Hazardous waste	Quantity Storage
		1) Acid residues (Tank bottom sludge)	0 MT
		2) Sulphur muck (Sulphur sludge)	0 MT
		3) Spent Catalyst	15 MT
		4) Used lubricating oil/drain oil	0 KL
		5) Detoxified Containers and container liners	90 No's
		6) LSHS Sludge	0 MT
		7) Scrubbing sludge	25 MT
		8) ETP sludge	0 MT
		9) Off specified ,expired chemicals & lab	0 MT
		10) Glass wool	0 MT
		11) Insulation Puf	0 MT
Part B. To be filled by Treatment, storage and disposal facility operators			
1	Total quantity received -		
2	Quantity in stock at the		
3	Quantity treated -		
4	Quantity disposed in landfills as such and after treatment -		
5	Quantity incinerated (if applicable) -		
6	Quantity processed other than specified above -		
7	Quantity in storage at the end of the year -		
Part C. To be filled by recyclers or co-processors or other users			
1	Quantity of waste received during the year - (i) domestic sources		
2	Quantity in stock at the beginning of the year -		
3	Quantity recycled or co-processed or used -		
4	Quantity of products dispatched (wherever applicable) -		
5	Quantity of waste generated -		
6	Quantity of waste disposed -		
7	Quantity re-exported (wherever applicable)-		
8	Quantity in storage at the end of the year -		
Date : 06.05.2024 Place: Visakhapatnam.		 Signature of the Occupier or Operator of the disposal facility	

EHS2-Vizag-Coromandel

From: Nagarjuna-P-Mgr-EHS-Vizag-Coromandel
Sent: 07 May 2024 15:53
To: rovspappcb@gmail.com
Cc: EHS2-Vizag-Coromandel; Nageswara Rao G-AsstMgr-EHS-Vizag-Coromandel; Subhradip Mondal-Mgr-Environment-Vizag-Coromandel; Nagaraju D-AGM-EHS-Vizag-Coromandel; Vinod Kumar Mishra-Sr.GM-EHS-Vizag-Coromandel
Subject: Reg. Submission of Hazardous waste annual report of form-iv for the period of April 2023- Mar 2024
Attachments: Hazardous Waste Annual Returns (Form -4) 2023- to 2024.pdf

Dear Sir,

Herewith submitting **Hazardous waste annual report of Form-4 for the period of April 2023- Mar 2024** by Coromandel International Limited, Visakhapatnam.

Same original copy along with backup documents send to head office, Vijayawada through register post.
Same copy again submitted to your regional office , Visakhapatnam on **07.05.2024** as per your instruction.

Regards,
Nagarjuna P
Manager-Environment
9100443439

SAVE ENVIRONMENT SAVE LIFE


Coromandel
FUTURE POSITIVE
Coromandel International Limited
Sriharipuram, Malkapuram PO
Visakhapatnam-530 011
Andhrapradesh, India.
F: +91 891-2578400
W: www.coromandel.biz
A MURUGAPPA GROUP COMPANY



Coromandel International Limited
 Post Box No. 1116, Sriharipuram, Malkapuram Post
 Visakhapatnam - 530 011, Andhra Pradesh, India
 Tel : 91-891-2578400
 DID : 91-891-2893+Extn No
 Website : www.coromandel.biz
 CIN : L24120AP1961PLC000892
 GSTIN : 37AAACC7852K12C

EHS/APPCB/2024-126

13th November 2024

To,

Environmental Engineer
 A.P. Pollution Control Board
 Regional Office
 Visakhapatnam – 530 018

Sub: Submission of safety audit report by Coromandel International Limited,
 Visakhapatnam –Reg.

Ref: Special condition number 49 in CFO order no: APPCB/VSP/VSP/65/CFO/HO/1967
 Dt:04.08.2023 and Special condition number 27 in wharf area CFO order no:
 APPCB/VSP/VSP/65/HO/CFO/2020 Dt:23.12.2020.

Dear Sir,

This is bringing to your kind information that, we have submitted the safety audit report
 by Coromandel International Limited, Visakhapatnam to the Factories Department Dated
 27.07.2024 and acknowledge received.

The same acknowledgement copy, we are submitting to your good selves as part of
 general condition number 49 in CFO order no: APPCB/VSP/VSP/65/CFO/HO/1967
 Dt:04.08.2023 and Special condition number 27 in Wharf area CFO order no:
 APPCB/VSP/VSP/65/HO/CFO/2020 Dt:23.12.2020.

Hence you are requested to acknowledge receipt of the report.

Yours Truly

For Coromandel International Limited, Visakhapatnam

Gnanasundaram M
Vice President & Head Manufacturing

NAG/DNR
 Enclosure: Annexure:01 Safety audit Compliance report.



EHS/APPCB/2024-126

13th November 2024

To,

Environmental Engineer
A.P. Pollution Control Board
Regional Office
Visakhapatnam – 530 018

Sub: Submission of safety audit report by Coromandel International Limited, Visakhapatnam –Reg.

Ref: Special condition number 49 in CFO order no: APPCB/VSP/VSP/65/CFO/HO/1967 Dt:04.08.2023 and Special condition number 27 in wharf area CFO order no: APPCB/VSP/VSP/65/HO/CFO/2020 Dt:23.12.2020.

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Hence you are requested to acknowledge receipt of the report.

Yours Truly

For Coromandel International Limited, Visakhapatnam



Gnanasundaram M
Vice President & Head Manufacturing

NAG/DNR 
Enclosure: Annexure:01 Safety audit Compliance report.

O/C

27.07.2024

EHS/DCIF/2024-25/July-03

To
The Deputy Chief Inspector of Factories,
Door No. 50-50-35/8, Guru Charan Marg,
BS Lay Out, Seetammadhara,
Visakhapatnam - 13.

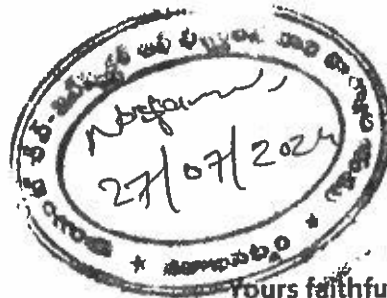
Sub: Submission of External Safety Audit for the year 2024 report & compliance status - Reg.
Ref: Inspection Order Dated : 12.01.2024

Dear Sir,

With reference to the above-mentioned subject, we are here with submitting the External Safety Audit for the year 2024 report conducted by M/s Lumen Engineering Associates at Coromandel International Limited, Visakhapatnam along with compliance status for your records.

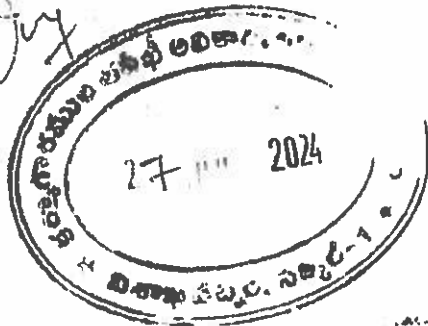
Kindly acknowledge the receipt of the same.

Thanking you Sir,

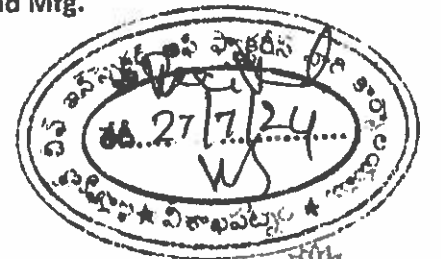


Yours faithfully,
For Coromandel International Limited,

M Gnanasundaram,
VP & Head Mfg.



The Joint Chief Inspector Of Factories, Visakhapatnam.
The Inspector Of Factories, Visakhapatnam.



Compliance report – Statutory Safety Audit

(Conducted by M/s Lumen Engineering Associates)

S. No	Observations and Suggested Recommendations	Action Plan
1	Recommending allotting parking area for visitors and other vehicles at wharf silo area and mark pathway for the vehicles and men movement to avoid any incidents.	Noted and will be followed. Parking area for visitors and other vehicles at wharf silo area will be identified and pathway will be marked to avoid incidents. TCD: 31.10.2024
2	MSDS in short form (Important precautions) of Ammonia and other chemicals to be displayed.	Complied Mini MSDS / One Page MSDS prepared for ammonia, Phosphoric Acid, Sulphuric Acid and displayed at prominent location.
3	Walkway Handrails on jetty to be strengthen towards the sea water side. While carrying any work by either contract or permanent staff at the edges of jetty, provide life jackets at the site of activity instead of bringing them from control room after an incident.	Complied Corroded Handrails repair job done, and Life buoys placed at fertilizer berth in case of any untoward incident.
4	Diesel tank for fire pump to be equipped with a vent and Secondary containment for the diesel tank leaks to be arranged.	Noted and will be followed. Job Planned and targeted to complete the same by TCD - 15.08.2024
5	Diesel engine provided for fire water pumps should in auto mode.	Noted and will be followed. Installation of new pumps (Same capacity with enhanced pump head)- procurement under progress. TCD - 30.09.2024
6	Signages representing Diesel storage, No Smoking etc., to be displayed.	Complied Signage Boards / Paintings provided.
7	Painting frequencies to be increased as Corrosion levels are high at Molten sulphur Pipeline supporting structure running along the jetty.	Noted and will be followed. TCD - 31.08.2024
8	The contract personnel working at the area are to be briefed about the hazards of ammonia and the control measures to be taken in case of ammonia release and the assembly points they need to go in case of emergency.	Complied Hazards of ammonia and control measures are being briefed in daily pep talks and also during ammonia ship unloading in presence of Operations team and Safety team.
9	Regular Painting to be done to avoid Conveyor structure corrosion which was observed during audit rounds.	Noted and will be followed : TCD - 10.08.2024
10	Recommending study on Lightening protection for total wharf area by an expert team and implement the recommendations.	Complied Lightening protection study has been carried out for overall plant.

Compliance report – Statutory Safety Audit

(Conducted by M/s Lumen Engineering Associates)

S. No	Observations and Suggested Recommendations	Action Plan
11	Maintaining checklist prior to the Ammonia ship unloading activity is found to be good practice. So also, it is being signed by the Naval officers.	Good practices are being followed
12	GATE # 8, damaged boundary wall observed leading to trespassing into the approved factory premises.	Noted and will be followed. Temporary fencing done and construction of boundary wall being followed by IOCL. TCD- 30.12.2024
13	GATE#8, New rock Silo - Civil reinforcement rods are exposed around the silo. Stability of the silo is at stake.	Noted and will be followed. Scaffolding work initiated for Civil works at silo area TCD: 30.10.2024
14	Gate No#8: Rock silo vertical ladder is corroded. All vertical ladders are to be provided with vertical life lines with fall arresters.	Noted and will be followed. Work initiated and under progress. TCD-30.08.2024
15	Recommended to provide water curtain/mist system at crossover bridge at Gate No:8&9.	Complied water curtain provided crossover bridge at Gate No:8&9.
16	Zebra lines are to be marked with display boards on the road at	Complied Zebra lines marked & Safety Signages displayed
17	Which are the rooms are not having stability certification by the competent person under Rule 12c of Factories Rules.	Complied Stability certification done by the competent person under Rule 12c of Factories Rules.
18	Authorized person, electrical license holders list is not displayed in any of the MCC , panel rooms.	Complied License holders displayed.
19	Wharf transformer area - walk way blocked. (cut tree branches and vegetation)	Complied Debris cleared and Vegetation removed. Walkway is now clear.
20	Silica gel not in good condition at the breather of transformer	Complied. Silica gel replaced.
21	250 KV - DG set exhaust not as per the PCB - stack height norms.	Noted and will be followed. Work initiated TCD: 30.12.2024
22	WHARF berth area (ELECTRICAL Panel beside - FIRE WATER DIESEL ENGINE) - no rubber mat. Panel is exposed to rain water splashing.	Complied Rubber mat provided.
23	Nitrogen vessels, air receiver tanks and adsorbers are to be tested and certified by the competent person under Rule-56 of Factories Rules.	Complied. Inspection is carrying out by certified competent person in regular intervals as per AP factory rule

Compliance report – Statutory Safety Audit

(Conducted by M/s Lumen Engineering Associates)

S. No	Observations and Suggested Recommendations	Action Plan
		56. Thickness monitoring: Once in every 6 months. Hydrotest: Once in every 2 years.
24	Safety relief valves are to be tested and record is to be maintained.	Complied Safety relief valves tested by competent person and records being maintained.
25	Fire hydrant line at this area is corroded, required to be updated.	Complied Fire hydrant line painting works under progress TCD:30.09.2024
26	Air Receivers, Nitrogen receives, pressure plants are to be hydrostatically tested and certified by the competent person once in two years as per Rule-56 of Factories Rules, if the equipment is under factories approved plan.	Complied. Inspection is carrying out by certified competent person in regular intervals as per AP factory rule 56. Thickness monitoring: Once in every 6 months. Hydrotest: Once in every 2 years.
27	It the equipment's falls under dock area: all the equipment's like lifting equipment's, safety belts, pressure vessels, Hoses, Lifting Cages, pipe lines, etc., to be certified by the Dock Labour Act.	Complied. Inspection is carrying out by Dock safety certified competent person in regular intervals. Thickness monitoring: Once in every 6 months. Hydrotest: Once in every 2 years.
28	Damaged wire rope sling was observed on the rack at jetty.	Complied. Removed and sent to scrap yard for disposal through assembly.
29	Recommended to have Air/Gas tight cabins/control rooms for the persons who are continuously on the jetty may get direct exposure to the ammonia.	Noted and will be followed. Suitable vendor will be explored for Air/Gas tight cabins/control rooms at jetty area. TCD – April 2025
30	Auto water curtain/mist system is required to be provided at MOV.	Noted and will be followed. MOV procurement under progress. In Meanwhile provided with manual isolation valve. TCD-30.09.2024
31	Molten Sulphur Tanks: H ₂ S gas detection with alarm system is required to be provided at the top of the tank.	Noted and will be followed. Portable gas detectors are readily available. Procurement of fixed gas detectors will be installed TCD- 30.11.2024
32	Molten Sulphur Tanks: Dry creepers running on live electrical lines could lead to fire hazard,	Complied.

Compliance report – Statutory Safety Audit

(Conducted by M/s Lumen Engineering Associates)

S. No	Observations and Suggested Recommendations	Action Plan
	recommending exterminating dry grass creeping onto electrical lines.	Regular maintenances were done and being followed.
33	Molten Sulphur Tanks: Vegetation around the Tanks to be scrapped at regular intervals or Consider paving the area with cement / concrete, to avoid vegetation growth.	Complied. Being followed
34	Auto CO2 flooding system is recommended to provided for all electrical panels.	Noted and will be followed. Installation of fire suppression system at AAST Area works started. TCD: 30.03.2025
35	LSHS & LDO tanks : flooring is required to be done inside the dyke (Wharf).	Noted and will be followed. Budget estimated and work initiated for flooring inside dyke area. TCD:30.11.2024
36	Boiler control room: smoke detection with alarm system is to be provided.	Noted and will be followed. Smoke detectors procurement in progress TCD: 30.10.2024
37	Ammonia Storage Tanks are to be provided with water curtain/Mist system to cover the entire tank from top to bottom.	Complied. Provided the Water curtain and Oscillating Monitor system as per M/S Chola Design and Risk assessment.
38	It is strongly recommended that an advanced continues monitoring system to be adopted for the entire ammonia pipeline from jetty to plant.	Noted and will be evaluated. Evaluation and Discussions for the proposal in progress TCD:30.03.2025
39	It was observed that at present condition monitoring system of the ammonia pipe lines , ammonia tanks, valves and other ammonia handling equipments found to be not as per the inspection standards.	Complied. Inspection is carrying out by Dock safety certified competent person in regular intervals.Thickness monitoring: Once in every 6 months.Hydrotest: Once in every 2 years.
40	All the pressure vessels or plant are to be certified by the competent person as per Rule-56 of A.P.Factories Rules.	Complied
41	Quantitative risk assessment is required to be conducted for the ammonia handling system with various scenarios including worst case scenario.	Noted and will be followed. Quantitative risk assessment by M/s DNV is Under progress (Site assessment completed and report preparation is under progress). TCD: 30.11.2024

Compliance report – Statutory Safety Audit

(Conducted by M/s Lumen Engineering Associates)

S. No	Observations and Suggested Recommendations	Action Plan
42	Recommended to weld the primary flanges at the top of the AAST.	Noted and will be followed. Planned during De-commissioning of Ammonia tank TCD:30.05.2025
43	All the safety relief valves provided in ammonia handling system are to be tested and to be certified by the competent person at least once in a year.	Complied. Safety relief valves are testing once in a year and witnessing by competent person.
44	Ship unloading control station sprinkler system is corroded, it is to be attended.	Complied Painting completed for the corroded area.
45	Walk way supporting legs and other fitting which are corroded are to be replaced at the earliest at the top of the tanks.	Noted and will be followed. Planned during De-commissioning of Ammonia tank TCD:30.05.2025
46	Ammonia receiver and condenser at compressor area are to be provided with water curtain system.	Complied Water curtain provided.
47	Recommending reviewing painting intervals to avoid Flair stack structure corrosion.	Complied. Paintings intervals being reviewed.
48	SOP's of safe handling of LPG and Signages denoting storage of LPG, Do's and Don'ts along with No-smoking to be displayed.	Complied. Safety signages provided.
49	Sprinkler system above LPG cylinders to be studied.	Complied. Manual water Sprinklers provided.
50	Flange bonding is required to be provided for LPG pipe line flanges.	Noted and will be followed. Few damaged flanges bonding were replaced and remaining will be completed. TCD:30.08.2024
51	Non destructive testing to be conducted for all LPG pipe lines to know the condition of the pipe lines.	Complied. Visual inspection for every 6 months, and thickness monitoring, NDT for every 2 years as per PSMS.
52	Hydrostatic pressure testing to be conducted at least once in five years for the LPG pipe lines and record is to be maintained.	Noted and will be followed. TCD: April 2025
53	Safe Unloading procedure need to be displayed in bilingual language which could be understand by locals and others.	Noted and will be followed. Procedure available and same will be displayed in bilingual language. TD: 15.09.2024

Coromandel International Limited, Visakhapatnam

Compliance report – Statutory Safety Audit

(Conducted by M/s Lumen Engineering Associates)

S. No	Observations and Suggested Recommendations	Action Plan
54	Corrode flanges won't be allowing static discharge, recommending replacing MS flanges with SS to allow static continuity.	Noted and will be evaluated.
55	Lightening arrestors to be marked on a plant layout individually according to the installed locations with covering diameter to get a clear understanding that total plant locations are covered and protected from lightening.	Noted and will be evaluated TCD 28.09.2024
56	All the pipelines need to be painted according to IS-2379-1990 along with flow directions.	Noted and will be followed. TCD : 10.08.2024
57	Condition monitoring of all storage tanks and Pipe lines to be monitored at regular intervals like NDT tests like Di-penetration test.	Complied Visual inspection for every 6 months, and thickness monitoring, NDT for every 4 years as per PSMS.
58	As tanks roof condition may not estimated, recommending in providing separate walkway to reach maintenance areas at top of the tanks.	Complied For sulphuric acid tanks, We are using robotic crawler for accessing the thickness of the tank roofs wherever platforms not available.
60	Lots of vegetation growth and tall trees are inside the PESO approved tank farm area -LSHS Tank Area	Complied. All Trees are cut removed and fencing installed as per PESO guidelines.
61	Hand rail on the top of the storage tanks are corroded, it is to be replaced-LSHS ,HSD tank area -TG/DG area.	Noted and will be followed. Corroded handrails will be replaced. Work initiated. TCD: 25.08.2024
62	Hazard Analysis and Risk Assessment (HARA) report with various threat zones is required to be prepared and implemented.	Complied.
63	PESO license with expiry date is required to be displayed on the tank.	Complied. Displayed on PESO tanks at SAP3 area.
64	Tank area flooring is required to be done inside the dyke.	Complied. Flooring provided for kerosene tank.
65	SOP's of safe handling of LPG and Signages denoting storage of LPG, Do's and Don'ts along with No-smoking to be displayed.	Complied. Safety signages provided.
66	Sprinkler system is required to be provided inside the LPG storage cylinders.	Complied Manual Sprinklers provided

Compliance report – Statutory Safety Audit

(Conducted by M/s Lumen Engineering Associates)

S. No	Observations and Suggested Recommendations	Action Plan
67	License is required to be displayed at the entrance of the room	Complied. Displayed PESO license.
68	Recommended to provided static discharge pads before entering into room.	Noted and will be followed. TCD - 30.09.2024
69	Door earthing is required to be done for main door of the storage room.	Complied.
70	LPG leak detector calibration tag is to be maintained.	Complied. Tag Provided.
71	Cylinders are to be chained.	Noted and will be followed. Work in progress TCD: 10.08.2024
72	Noise levels to be Monitored, recorded and displayed at all locations with PPE (ear plugs) if necessary.	Complied.
73	Sulphuric acid piping flange guards are found damaged / hanging out of the flange, at some locations, recommending replacing the same.	Complied
74	It was observed that batteries are at C-Train control room, These batteries are to keep in separate room.	Noted and will be followed. Action for Separate room for batteries are planned. TCD: 30.11.2024
75	Ammonia flow control station & pressure control valve station: it is required to provided water curtain system and safety relief valves are to be tested, record is to be maintained.	Complied
76	Driers are to be certified by the competent person under Rule-61O of A.P. Factories Rules.	Complied Complex Dryer is not suitable for Rule 61(O) because it is not a flammable or explosive mixture of air and a flammable substance. Hot air is used as the drying medium, and there is no fuel or combustion process, eliminating any scope for an explosive mixture.
77	Usage of Wheel chocks to be mandatory during unloading molten sulphur and also a horizontal lifeline for hooking Full body harness during climbing onto vehicle.	Noted and will be followed. Usage of Wheel chocks are using as mandatory during unloading molten sulphur and Horizontal lifeline for hooking Safety harness planned : TCD :April 2025
78	It was observed that wheel blocks are not provided to the truck unloading the molten sulphur. Provide	Noted and will be followed. TCD : 20.08.2024

Coromandel International Limited, Visakhapatnam

Compliance report – Statutory Safety Audit

(Conducted by M/s Lumen Engineering Associates)

S. No	Observations and Suggested Recommendations	Action Plan
	instructions display at the area regarding unloading of the molten sulphur and also hazards during unloading of molten sulphur. Also consider a horizontal life line for hooking Full body harness during climbing onto vehicle.	
79	Dyke volume is required to be maintained based on the number of tanks and capacities.	Noted and will be followed. Detailed study for dyke volume calculations under progress with technical team TCD: 30.04.2025
80	Safe handling procedure need to be displayed in bilingual language which could be understand by locals and others.	Complied Displayed Safe handling procedure
81	Consider providing life lines with fall arrestor system for opening man holes of road tankers.	Noted and will be followed. Lifeline system provided at bagging trucks area and road tankers will be initiated. TCD: April 2025
82	Condition monitoring of all storage tanks and Pipe lines to be monitored at regular intervals like NDT tests like Di-penetration test.	Complied. Visual inspection for every 6 months, and thickness monitoring, NDT for every 4 years as per PSMS.
83	All chemical storage tanks, pipe lines are to be tested and certified by the competent person under Schedule XV, Rule-95 of A.P>Factories Rules.	Complied. Inspection is carrying out for every 2 years by certified competent person.
84	Consider preparing and displaying Compatibility chart at all Raw material stores and basing on it stacking to be initiated.	Complied Displayed the compatibility chart at prominent locations
85	Firefighting facilities are required to be provided as per the standard requirements.	Noted and will be followed. Projects of Fire Hydrant Phase 2A and 2B under progress. TCD: 30.11.2024
86	Storage racks are to be tested and certified by the competent person.	Noted and will be followed. TCD : 20.08.2024
87	Material handling procedure is to be developed for various type of materials.Cold room: It is required to have through study on safety of materials storage inside the cold room	Noted and will be followed. Study on cold room storage will be carried out TCD:30.12.2024
88	1. As per Building Regulations Act 1989, buildings below 15 years of age, need to obtain Stability	Complied

Compliance report – Statutory Safety Audit

(Conducted by M/s Lumen Engineering Associates)

S. No	Observations and Suggested Recommendations	Action Plan
	Certificate once in every 5 years and if the buildings are above 15 years of age need to obtain Stability Certificate once in every 3 years, So Consider conducting Structural Stability tests for buildings accordingly by a Factories department approved competent person.	As per PSMS - sop once in 3 years we are taking stability certification from 3rd party approved agency from IF.
89	Recommending conducting Illumination, Noise and Ventilation survey reports at necessary locations	Complied. Being carried out
91	According to Factories rules-56 , all air receivers/pressure vessels must be Hydro tested once in every two years in presence of Competent person.	Complied.
92	All chemical storage tanks must be certified by a competent person	Complied. Inspection is carrying out for every 2 years by certified competent person.
93	Recommending integrity check for all pipe lines at regular intervals .	Complied. Visual inspection for every 6 months, and thickness monitoring, NDT for every 4 years as per PSMS.
94	It was observed that one of the hydraulic mobile crane not meeting the required safety standards.	Noted will be evaluated. Procurement of all Spares parts under progress. TCD: 30.10.2024
95	Smoke detectors with alarm system could be placed inside all Electrical panel rooms.	Complied
96	Conducting Thermography tests for Electrical cables could lend a hand in identifying heat generating at joints and terminations	Complied
97	consider conducting Arc Flash analysis and marking threat zones on ground in front of electrical panels.	Noted and will be followed. Arc flash study will be conducted 2024 TCD:30.11.2024
98	Lightening arrestors to be marked on a plant layout individually according to the installed locations with covering diameter to get a clear understanding that total plant locations are covered and protected from lightening.	Complied
99	All license holders names with contact numbers to be displayed in MCC rooms.	Complied

Coromandel International Limited, Visakhapatnam
Compliance report – Statutory Safety Audit
(Conducted by M/s Lumen Engineering Associates)

S. No	Observations and Suggested Recommendations	Action Plan
100	Recommending pasting of Inspiring Road Safety Signage's with Speed limit boards at entrance of the factory	Complied
101	Road crossing systems like Zebra crossing system, pedestrian walk ways to be implemented at all intersections	Complied
102	Speed control bumps/speed breakers needs to be places at critical turnings & People crossings.	Complied
103	Convex mirrors at blind corners needs to be placed.	Complied
104	According to Factories rules entire plant evacuation mock drills are being conducted once in every six months. But still some lapses are observed, it is to be strengthen.	Complied Awareness training provided to employees and contract workmen on ERP.
105	Emergency Siren codes to be displayed at Siren location and other important locations of the plant and also this siren codes to be displayed at security.	Complied Displayed
106	Recommending improving Personal Protective Equipment usage in the plant.	Complied
107	Safety goggles adherence is not strictly followed., many areas in the operational zones, Contract workmen are not adhering to wear goggles.	Complied and being followed
108	EHS dept., does not have a consolidated report of SAFETY BELTS used in the plant., there is no traceability of contractor brought out SAFETY BELTS w.r.t TPI inspection & certification.	Complied
109	Cotton hand gloves provided for the workmen are not meeting the IS : 6994 (Part 1) - 1973 standards. (SPECIFICATION FOR INDUSTRIAL SAFETY GLOVES PART I : LEATHER AND COTTON GLOVES).	Noted and will be followed. New model canadila hand gloves procurement under progress. TCD:20.08.2024
110	Existing Fire Hydrant system is inadequate, there should a thorough study on fire hydrant system and implementation.	Complied Hydraulic Analysis and Study design completed by M/S Chola.
111	Consider conducting Fire load calculations according to IS-15301:2003, and NFPA-557, to know the fire load in the plant and for updating the hydrant system.	Complied Water Demand Calculation Report Available.
112	Approach towards all Hydrant and Monitor points should be made clear with a platform to operate at hydrant and monitor points.	Complied

Compliance report – Statutory Safety Audit

(Conducted by M/s Lumen Engineering Associates)

S. No	Observations and Suggested Recommendations	Action Plan
113	F-rods could be hanged at all hydrant point for operating the hydrant wheel at ease during emergencies.	Complied.
114	The Current trailer pump is found to be multiple mechanical breakdowns due to diesel engine - residual life. The suction side of the pump is subjected to frequent failure. Recommendation to evalaute the procurement of new Fire Trailer Pump, considering as one of the Safety Critical equipment for the Factory.	Complied Presently Pump Overhauling done by Garage and Assembly team, Now its in Working condition.
115	In view of the expanded plant operational zones adding SAP#3 & DESALINATION plant areas and the increased work load w.r.t no. of fire inspections carried out by the existing team of 17 fire team personnel are insufficient. Recommended to increase the manpower turn per tender / 04 persons shift i.e., with 02 fire tenders , 08 Fire crew & 01 leading fire man = 09 persons/shift , Fire team.	Noted and will be followed. Proposed for the Manpower at higher authorities. TCD:30.04.2025
116	Recommending high Visibility Jackets for all Security personals for clear identification during nights.	Complied
117	And also hand operating signal lights (LED baton) could be procured for Security personnel for night operations.	Complied
118	Recommending conducting frequent mock drills and ensuring headcount availability with the security, making them flawless during real emergencies.	Complied
119	License obtained from Dy Chief Inspector of factories with approved HP 83117.70 HP, but the actual HP during the latest Factory plan approval - LAE05-11021(35)/15/2024-A SEC-DOF, dated: 01/02/2024 is stated as 83447.3 HP. There is a variation of 330 HP. Amend the Factory license, with the increase in HP.	Noted and will be followed. Work in progress TCD: 10.08.2024
120	Ventilation study of the LFP bottling plant to be carried (NANO DAP) bottling plant. Production line vapours generation is observed. (mild Ammonia vapors) - DAP section - water dissolving stage free ammonia will prevail. through study & checks on the Stability of the soil to be done and suitable measures to be adopted.	Noted and will be followed. Noted will be taken in the calendar year TCD: April 2025

Coromandel International Limited, Visakhapatnam

Compliance report – Statutory Safety Audit

(Conducted by M/s Lumen Engineering Associates)

S. No	Observations and Suggested Recommendations	Action Plan
121	Certain areas of the Factory, poor illumination is observed in GARAGE AREA, DG/TG - PESO storage facility. Illumination survey report to be furnished stating that ILLUMINATION LEVELS of all those interior parts of a factory where persons are regularly employed shall not be less than 65 LUX.	Complied
122	The factory is consisting of 28 sheds used for various raw material, finish product storage, warehouse, workshop etc., the roofing of the sheds are Asbestos / metal roof sheeting Not adequate arrangement for fixed roof lifeline system over the roof for secure workmen movement. Fixed roof lifeline system , must be implemented towards securing of workmen working over the fragile roofs.	Noted and will be followed. Phase wise implementation started fixed roof line system is under progress TCD:30.04.2025
123	The LOCO engine (CIL - Asset) is having issue with brakes. The locomotive brakes are not working properly.	Complied We had adjusted the Brake levers length and replaced all Brake shoes with new. Now Brakes are working normal.
124	The LOCO engine (CIL - Asset) is observed with running speed more than the permitted 7 km/hr as per the standards.	Complied
125	Gate#6 - railway level crossing at : Swinging gate and blinking light with Alram provision gate#7 (HPCL) - railway level crossing at : Swinging gate and blinking light with Alram provision.	Noted and will be followed. We have already installed it at Gate 5 with all requirements. It is currently under observation. Furthermore, we are planning installations at Gates 6 and 7. TCD: 30.03.2025
126	It is an important that all the legal requirements are required to be maintained centralised and localised. These requirements are to be monitored by the any one of the department head.	Noted and will be followed. Law orbit software compliance is rolled out where in all the legal requirements required are maintained centralised and localised. Monitoring done through online TCD:30.12.2024

o/c

**Coromandel International Limited**

Post Box No. 1116, Sriharipuram, Malkapuram Post
Visakhapatnam - 530 011, Andhra Pradesh, India
Tel : 91-891-2578400
DID : 91-891-2893+Extn No
Website : www.coromandel.biz
CIN : L24120AP1961PLC000892
GSTIN : 37AAACC7852K1ZC

EHS/APPCB/2024-110

16th October 2024

To,

Environmental Engineer
A.P. Pollution Control Board
Regional Office
Visakhapatnam – 530 018

Sub: Submission of Mock Drill report by Coromandel International Limited,
Visakhapatnam –Reg.

Ref: Schedule-C condition number 05 in CFO order no: APPCB/VSP/VSP/65/CFO/HO/1967
Dt:04.08.2023.

Dear Sir,

This is bringing to your kind information that, we have submitted the Mock Drill report
(Conducted on 18.09.2024) by Coromandel International Limited, Visakhapatnam to the
Factories Department Dated on 25.09.2024 and acknowledge received.

The same acknowledgement copy, we are submitting to your good selves as part of Schedule-C
condition number 05 in CFO order no: APPCB/VSP/VSP/65/CFO/HO/1967 Dt:04.08.2023.

Hence you are requested to acknowledge receipt of the report.

Yours Truly

For Coromandel International Limited, Visakhapatnam


Gnanasundaram M
Vice President & Head Manufacturing.


NAG/DNR

Enclosure: Annexure:01 Mock Drill report.



EHS/APPCB/2024-110

16th October 2024

To,

Environmental Engineer
A.P. Pollution Control Board
Regional Office
Visakhapatnam – 530 018

Sub: Submission of Mock Drill report by Coromandel International Limited, Visakhapatnam –Reg.

Ref: Schedule-C condition number 05 in CFO order no: APPCB/VSP/VSP/65/CFO/HO/1967 Dt:04.08.2023.

Dear Sir,

This is bringing to your kind information that, we have submitted the Mock Drill report (Conducted on 18.09.2024) by Coromandel International Limited, Visakhapatnam to the Factories Department Dated on 25.09.2024 and acknowledge received.

The same acknowledgement copy, we are submitting to your good selves as part of Schedule-C condition number 05 in CFO order no: APPCB/VSP/VSP/65/CFO/HO/1967 Dt:04.08.2023.

Hence you are requested to acknowledge receipt of the report.

Yours Truly

For Coromandel International Limited, Visakhapatnam


Gnanasundaram M
Vice President & Head Manufacturing.


NAG/DNR

Enclosure: Annexure:01 Mock Drill report.

Coromandel

FUTURE POSITIVE

Coromandel International Limited

Post Box No. 1116, Sriharipuram, Malkapuram Post
Visakhapatnam - 530 011, Andhra Pradesh, India

Tel : 91-891-2578400

DID : 91-891-2893+Extn No

Website : www.coromandel.biz

CIN : L24120AP1961PLC000892

GSTIN : 37AAACC7852K1ZC

EHS/DCIF/2024-25/SEP - 04

o/c

25.09.2024

To

The Dy. Chief Inspector of Factories,
Door No. 50-50-35/8, Guru Charan Marg,
BS Lay Out, Seetammadhara,
Visakhapatnam - 13.

Sub : Submission of On-Site Emergency Mock drill report conducted on 18.09.2024- Reg
Ref : Our Letter : EHS/DCIF/2024-25/SEP-02 dated 04.09.2024.

Dear Sir,

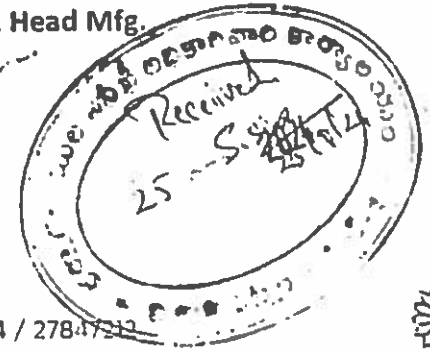
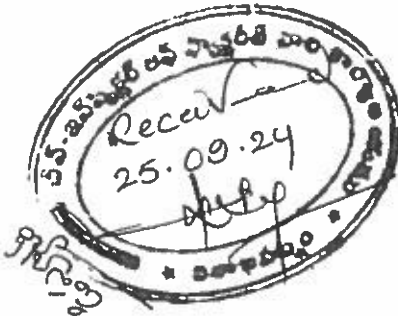
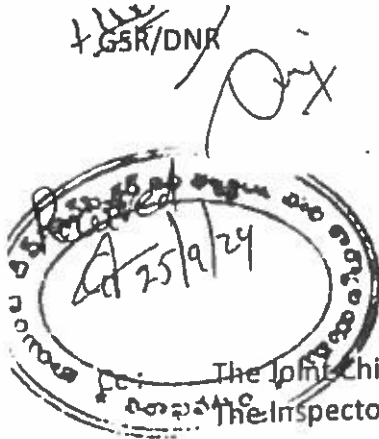
We are here with enclosing the On-site emergency Mock drill report conducted on 18.09.2024 on Fire at SAP3 Sulphur Godown area of Coromandel International Limited, Visakhapatnam in presence of Mr. Renukaiah (District Fire Officer, Visakhapatnam), Mrs. Swapna (DE, Electrical Department) and Ms. Sree Lakshmi (Regional Office, APPCB, Visakhapatnam) during the joint committee inspection.

Kindly acknowledge the receipt of the same.

Yours faithfully,

For Coromandel International Limited,

Gnanasundaram M,
VP & Head Mfg.



Registered Office : Coromandel House, 1-2-10
Sardar Patel Road, Secunderabad-500 003
Telangana, India

Tel : 91-40-27842034 / 27847212
Fax : 91-40-27844117
E-mail : mail@coromandel.murugappa.com



murugappa

EHS/APPCB/2024-25

28th March 2024

To,

Environmental Engineer
A.P. Pollution Control Board
Regional Office
Visakhapatnam – 530 018

Sub: Submission of calibration certificates for leak detection system (Fixed & Portable detectors) available in Coromandel International Limited, Visakhapatnam –Reg.

Ref: Special condition number 51 in CFO order no: APPCB/VSP/VSP/65/CFO/HO/1967 Dt:04.08.2023 and Special condition number 29 in wharf area CFO order no: APPCB/VSP/VSP/65/HO/CFO/2020 Dt:23.12.2020.

Dear Sir,

This is bringing to your kind information that, we have submitted the list of detectors & calibration certificates for leak detectors system (Fixed & Portable detectors) which are available in Coromandel International Limited, Visakhapatnam to the Factories Department Dated 28.12.2023 and acknowledge received.

The same acknowledgement copy, we are submitting to your good selves as part of Special condition number 51 in CFO order no: APPCB/VSP/VSP/65/CFO/HO/1967 Dt:04.08.2023 and Special condition number 29 in Wharf area CFO order no: APPCB/VSP/VSP/65/HO/CFO/2020 Dt:23.12.2020.

Hence you are requested to acknowledge receipt of the report.

Yours Truly

For **Coromandel International Limited, Visakhapatnam**


Mr. Nagaraju D
AGM- Head of EHS Department.



NAG

Enclosure: Annexure:01 List of Detectors with calibration Reports.

EHS/DCIF/2023-24/DEC - 02

27-12-2023

To
The Deputy Chief Inspector of Factories,
Door No. 50-50-35/8, Guru Charan Marg,
BS Lay Out, Seetammadhara,
Visakhapatnam - 13.

Dear Sir,

Sub: Submission of Calibration Certificates for leak detection system of Fixed gas detectors available in coromandel International Limited, Visakhapatnam - Reg.

Ref : Special condition number 59 in CFO order No : APPCB/VSP/65/CFO/HO/2021 dt:27.04.21

Dear Sir,

This is to your kind information that, here with we are submitting the list of Fixed detectors & Calibration certificates for leak detection system of Fixed gas detectors which are available in coromandel International Limited, Visakhapatnam.

Hence, we are requested to acknowledge the receipt of the report.

Thanking you,

L. Roiesh

RY/PNR

Yours faithfully,

For Coromandel International Limited,



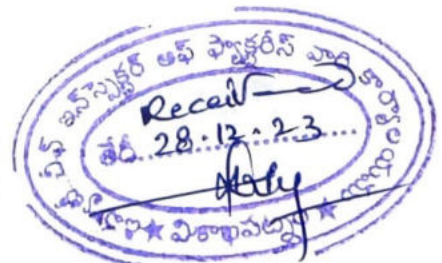
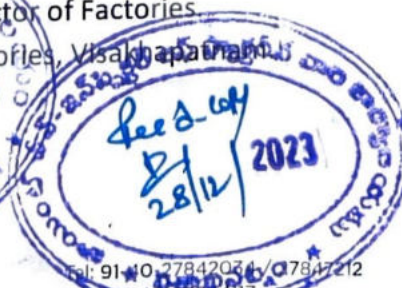
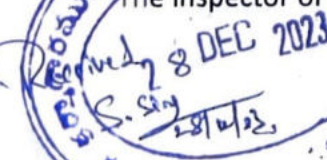
M Gnanasundaram,

Vice President & Head Manufacturing.

Cc:

The Joint Chief Inspector of Factories

The Inspector of Factories, Visakhapatnam



27-12-2023

EHS/DCIF/2023-24/DEC -

To
The Deputy Chief Inspector of Factories,
Door No. 50-50-35/8, Guru Charan Marg,
BS Lay Out, Seetammadhara,
Visakhapatnam – 13.

Dear Sir,

Sub: Submission of Calibration Certificates for leak detection system of Fixed gas detectors available in coromandel International Limited, Visakhapatnam - Reg.

Ref : Special condition number 59 in CFO order No : APPCB/VSP/65/CFO/HO/2021 dt:27.04.21

Dear Sir,

This is to your kind information that, here with we are submitting the list of Fixed detectors & Calibration certificates for leak detection system of Fixed gas detectors which are available in coromandel International Limited, Visakhapatnam.

Hence, we are requested to acknowledge the receipt of the report.

Thanking you,

L. Roiesh

RY/PNR

Yours faithfully,
For Coromandel International Limited,



M Gnanasundaram,
Vice President & Head Manufacturing.

Cc: The Joint Chief Inspector of Factories.
The Inspector of Factories, Visakhapatnam.

S.NO	PLANT	LOCATION	SENSOR SR.NO	CAL DATE	CAL DUE DATE
1	AAST	AAST CONTROL ROOM	ARNN-0391	19-07-2023	18-01-2024
2	AAST	COMPRESSOR AREA	ARPJ-0365	19-07-2023	18-01-2024
3	AAST	COMPRESSOR-3 AREA	APRE-0089	19-07-2023	18-01-2024
4	AAST	MANAGER UTILITY AREA	ARRA-0331	19-07-2023	18-01-2024
5	AAST	CONDENSER AREA	ARPK-0131	19-07-2023	18-01-2024
6	COMPLEX	A-TRAIN	ARNN-0341	19-07-2023	18-01-2024
7	COMPLEX	A-TRAIN GRANULATOR DISCHARGE	ARPJ-0101	19-07-2023	18-01-2024
8	G-SULPUR	CONTROL ROOM	ARPJ-0374	19-07-2023	18-01-2024
9	WSF	MCC ROOM	ARPK-0106	19-07-2023	18-01-2024
10	LFP	CONTROL ROOM	ARPJ-0367	19-07-2023	18-01-2024
11	FPP	PN WEST	ARPJ-0340	19-07-2023	18-01-2024
12	FPP	PN EAST	ARPJ-0361	19-07-2023	18-01-2024
13	FPP CONTROL ROOM	GRANULATOR NORTH	ARPJ-0342	19-07-2023	18-01-2024
14	FPP CONTROL ROOM	GRANULATOR SOUTH	ARPJ-0375	19-07-2023	18-01-2024
15	WHARF	BERTH	ARPJ-0346	19-07-2023	18-01-2024
16	WHARF	BERTH	ARPJ-0343	19-07-2023	18-01-2024
17	WHARF	BERTH	ARPK-0078	19-07-2023	18-01-2024
18	WHARF	BERTH	ARPK-0059	19-07-2023	18-01-2024

CALIBRATION CERTIFICATE

CERTIFICATE NO. :DSIPL/SOUTH/19-07/001
CUSTOMER : M/s. Coromandel International Limited
SITE : VIZAG
CALIBRATION DATE : 19/JUL/2023
MODEL : POLYTRON 7000
SERIAL NO. : ARNN-0391
Location : AAST CONTROL ROOM

Sensor Type	Before Calibration Zero/Span	After Calibration Zero/Span
EC NH3	4.5 PPM / 78.4 PPM	0.0 PPM / 80.0 PPM

Calibration Gas Details :

Calibration Gas	Concentration	Canister No:	Valid Upto
NH3	80 PPM	522740	17-MAY-2024
N2	ZERO	427586	N/A

Alarm Settings:

Sensor Type	Alarm 1	Alarm 2
EC NH3	12.5 PPM	25 PPM

Calibration Done By	STALIN PALANI
Next Calibration Due On	18-JAN-2024

Remark :

- Sensor checked and found working ok.

Signature
Mr.STALIN PALANI
Sr. Service Engineer

For Draeger Safety India Private Limited

CALIBRATION CERTIFICATE

CERTIFICATE NO. :DSIPL/SOUTH/19-07/002
CUSTOMER : M/s. Coromandel International Limited
SITE : VIZAG
CALIBRATION DATE : 19/JUL/2023
MODEL : POLYTRON 7000
SERIAL NO. : ARPJ-0365
Location : COMPRESSOR AREA

Sensor Type	Before Calibration Zero/Span	After Calibration Zero/Span
EC NH3	6.5 PPM / 74.4 PPM	0.0 PPM / 80.0 PPM

Calibration Gas Details :

Calibration Gas	Concentration	Canister No:	Valid Upto
NH3	80 PPM	522740	17-MAY-2024
N2	ZERO	427586	N/A

Alarm Settings:

Sensor Type	Alarm 1	Alarm 2
EC NH3	12.5 PPM	25 PPM

Calibration Done By	STALIN PALANI
Next Calibration Due On	18-JAN-2024

Remark :

- Sensor checked and found working ok.

Signature
Mr.STALIN PALANI
Sr. Service Engineer

For Draeger Safety India Private Limited

CALIBRATION CERTIFICATE

CERTIFICATE NO. :DSIPL/SOUTH/19-07/003
CUSTOMER : M/s. Coromandel International Limited
SITE : VIZAG
CALIBRATION DATE : 19/JUL/2023
MODEL : POLYTRON 7000
SERIAL NO. : ARPE-0089
Location : COMPRESSOR-3 AREA

Sensor Type	Before Calibration Zero/Span	After Calibration Zero/Span
EC NH3	-2.5 PPM / 68.4 PPM	0.0 PPM / 80.0 PPM

Calibration Gas Details :

Calibration Gas	Concentration	Canister No:	Valid Upto
NH3	80 PPM	522740	17-MAY-2024
N2	ZERO	427586	N/A

Alarm Settings:

Sensor Type	Alarm 1	Alarm 2
EC NH3	12.5 PPM	25 PPM

Calibration Done By	STALIN PALANI
Next Calibration Due On	18-JAN-2024

Remark :

- Sensor checked and found working ok.

Signature
Mr.STALIN PALANI
Sr. Service Engineer

For Draeger Safety India Private Limited

CALIBRATION CERTIFICATE

CERTIFICATE NO. :DSIPL/SOUTH/19-07/004
CUSTOMER : M/s. Coromandel International Limited
SITE : VIZAG
CALIBRATION DATE : 19/JUL/2023
MODEL : POLYTRON 7000
SERIAL NO. : ARRA-0331
Location : MANAGER UTILITY AREA

Sensor Type	Before Calibration Zero/Span	After Calibration Zero/Span
EC NH3	2.2 PPM / 69.2 PPM	0.0 PPM / 80.0 PPM

Calibration Gas Details :

Calibration Gas	Concentration	Canister No:	Valid Upto
NH3	80 PPM	522740	17-MAY-2024
N2	ZERO	427586	N/A

Alarm Settings:

Sensor Type	Alarm 1	Alarm 2
EC NH3	12.5 PPM	25 PPM

Calibration Done By	STALIN PALANI
Next Calibration Due On	18-JAN-2024

Remark :

- Sensor checked and found working ok.

Signature
Mr.STALIN PALANI
Sr. Service Engineer

For Draeger Safety India Private Limited

CALIBRATION CERTIFICATE

CERTIFICATE NO. :DSIPL/SOUTH/19-07/005
CUSTOMER : M/s. Coromandel International Limited
SITE : VIZAG
CALIBRATION DATE : 19/JUL/2023
MODEL : POLYTRON 7000
SERIAL NO. : ARPK-0131
Location : CONDUNSER AREA

Sensor Type	Before Calibration Zero/Span	After Calibration Zero/Span
EC NH3	0.5 PPM / 75.1 PPM	0.0 PPM / 80.0 PPM

Calibration Gas Details :

Calibration Gas	Concentration	Canister No:	Valid Upto
NH3	80 PPM	522740	17-MAY-2024
N2	ZERO	427586	N/A

Alarm Settings:

Sensor Type	Alarm 1	Alarm 2
EC NH3	12.5 PPM	25 PPM

Calibration Done By	STALIN PALANI
Next Calibration Due On	18-JAN-2024

Remark :

- Sensor checked and found working ok.

Signature
Mr.STALIN PALANI
Sr. Service Engineer

For Draeger Safety India Private Limited

CALIBRATION CERTIFICATE

CERTIFICATE NO. :DSIPL/SOUTH/19-07/006
CUSTOMER : M/s. Coromandel International Limited
SITE : VIZAG
CALIBRATION DATE : 19/JUL/2023
MODEL : POLYTRON 7000
SERIAL NO. : ARNN-0341
Location : A-TRAIN

Sensor Type	Before Calibration Zero/Span	After Calibration Zero/Span
EC NH3	1.1 PPM / 76.7 PPM	0.0 PPM / 80.0 PPM

Calibration Gas Details :

Calibration Gas	Concentration	Canister No:	Valid Upto
NH3	80 PPM	522740	17-MAY-2024
N2	ZERO	427586	N/A

Alarm Settings:

Sensor Type	Alarm 1	Alarm 2
EC NH3	12.5 PPM	25 PPM

Calibration Done By	STALIN PALANI
Next Calibration Due On	18-JAN-2024

Remark :

- Sensor checked and found working ok.

Signature
Mr.STALIN PALANI
Sr. Service Engineer

For Draeger Safety India Private Limited

CALIBRATION CERTIFICATE

CERTIFICATE NO. :DSIPL/SOUTH/19-07/007
CUSTOMER : M/s. Coromandel International Limited
SITE : VIZAG
CALIBRATION DATE : 19/JUL/2023
MODEL : POLYTRON 7000
SERIAL NO. : ARPJ-0101
Location : A-TRAIN GRANULATOR DISCHARGE

Sensor Type	Before Calibration Zero/Span	After Calibration Zero/Span
EC NH3	6.5 PPM / 66.8 PPM	0.0 PPM / 80.0 PPM

Calibration Gas Details :

Calibration Gas	Concentration	Canister No:	Valid Upto
NH3	80 PPM	522740	17-MAY-2024
N2	ZERO	427586	N/A

Alarm Settings:

Sensor Type	Alarm 1	Alarm 2
EC NH3	12.5 PPM	25 PPM

Calibration Done By	STALIN PALANI
Next Calibration Due On	18-JAN-2024

Remark :

- Sensor checked and found working ok.

Signature
Mr.STALIN PALANI
Sr. Service Engineer

For Draeger Safety India Private Limited

CALIBRATION CERTIFICATE

CERTIFICATE NO. :DSIPL/SOUTH/19-07/008
CUSTOMER : M/s. Coromandel International Limited
SITE : VIZAG
CALIBRATION DATE : 19/JUL/2023
MODEL : POLYTRON 7000
SERIAL NO. : ARPJ-0374
Location : G-SULFUR CONTROL ROOM

Sensor Type	Before Calibration Zero/Span	After Calibration Zero/Span
EC NH3	2.1 PPM / 76.1 PPM	0.0 PPM / 80.0 PPM

Calibration Gas Details :

Calibration Gas	Concentration	Canister No:	Valid Upto
NH3	80 PPM	522740	17-MAY-2024
N2	ZERO	427586	N/A

Alarm Settings:

Sensor Type	Alarm 1	Alarm 2
EC NH3	12.5 PPM	25 PPM

Calibration Done By	STALIN PALANI
Next Calibration Due On	18-JAN-2024

Remark :

- Sensor checked and found working ok.

Signature
Mr.STALIN PALANI
Sr. Service Engineer

For Draeger Safety India Private Limited

CALIBRATION CERTIFICATE

CERTIFICATE NO. :DSIPL/SOUTH/19-07/009
CUSTOMER : M/s. Coromandel International Limited
SITE : VIZAG
CALIBRATION DATE : 19/JUL/2023
MODEL : POLYTRON 7000
SERIAL NO. : ARPK-0106
Location : WATER SOLUTION FERTILISER PLANT(MCC ROOM)

Sensor Type	Before Calibration Zero/Span	After Calibration Zero/Span
EC NH3	5.1 PPM / 79.4 PPM	0.0 PPM / 80.0 PPM

Calibration Gas Details :

Calibration Gas	Concentration	Canister No:	Valid Upto
NH3	80 PPM	522740	17-MAY-2024
N2	ZERO	427586	N/A

Alarm Settings:

Sensor Type	Alarm 1	Alarm 2
EC NH3	12.5 PPM	25 PPM

Calibration Done By	STALIN PALANI
Next Calibration Due On	18-JAN-2024

Remark :

- Sensor checked and found working ok.

Signature
Mr.STALIN PALANI
Sr. Service Engineer

For Draeger Safety India Private Limited

CALIBRATION CERTIFICATE

CERTIFICATE NO. :DSIPL/SOUTH/19-07/010
CUSTOMER : M/s. Coromandel International Limited
SITE : VIZAG
CALIBRATION DATE : 19/JUL/2023
MODEL : POLYTRON 7000
SERIAL NO. : ARPJ-0367
Location : NEAR LFP CONTROL ROOM

Sensor Type	Before Calibration Zero/Span	After Calibration Zero/Span
EC NH3	0.5 PPM / 84.4 PPM	0.0 PPM / 80.0 PPM

Calibration Gas Details :

Calibration Gas	Concentration	Canister No:	Valid Upto
NH3	80 PPM	522740	17-MAY-2024
N2	ZERO	427586	N/A

Alarm Settings:

Sensor Type	Alarm 1	Alarm 2
EC NH3	12.5 PPM	25 PPM

Calibration Done By	STALIN PALANI
Next Calibration Due On	18-JAN-2024

Remark :

- Sensor checked and found working ok.

Signature
Mr.STALIN PALANI
Sr. Service Engineer

For Draeger Safety India Private Limited

CALIBRATION CERTIFICATE

CERTIFICATE NO. :DSIPL/SOUTH/19-07/011
CUSTOMER : M/s. Coromandel International Limited
SITE : VIZAG
CALIBRATION DATE : 19/JUL/2023
MODEL : POLYTRON 7000
SERIAL NO. : ARPJ-0340
Location : NEAR PRE-NEUTRALISER(DC-3803)

Sensor Type	Before Calibration Zero/Span	After Calibration Zero/Span
EC NH3	3.3 PPM / 79.1 PPM	0.0 PPM / 80.0 PPM

Calibration Gas Details :

Calibration Gas	Concentration	Canister No:	Valid Upto
NH3	80 PPM	522740	17-MAY-2024
N2	ZERO	427586	N/A

Alarm Settings:

Sensor Type	Alarm 1	Alarm 2
EC NH3	12.5 PPM	25 PPM

Calibration Done By	STALIN PALANI
Next Calibration Due On	18-JAN-2024

Remark :

- Sensor checked and found working ok.

Signature
Mr.STALIN PALANI
Sr. Service Engineer

For Draeger Safety India Private Limited

CALIBRATION CERTIFICATE

CERTIFICATE NO. :DSIPL/SOUTH/19-07/012
CUSTOMER : M/s. Coromandel International Limited
SITE : VIZAG
CALIBRATION DATE : 19/JUL/2023
MODEL : POLYTRON 7000
SERIAL NO. : ARPJ-0361
Location : NEAR PRE-NEUTRALISER(DC-3803)

Sensor Type	Before Calibration Zero/Span	After Calibration Zero/Span
EC NH3	0.2 PPM / 86.3 PPM	0.0 PPM / 80.0 PPM

Calibration Gas Details :

Calibration Gas	Concentration	Canister No:	Valid Upto
NH3	80 PPM	522740	17-MAY-2024
N2	ZERO	427586	N/A

Alarm Settings:

Sensor Type	Alarm 1	Alarm 2
EC NH3	12.5 PPM	25 PPM

Calibration Done By	STALIN PALANI
Next Calibration Due On	18-JAN-2024

Remark :

- Sensor checked and found working ok.

Signature
Mr.STALIN PALANI
Sr. Service Engineer

For Draeger Safety India Private Limited

CALIBRATION CERTIFICATE

CERTIFICATE NO. :DSIPL/SOUTH/19-07/013
CUSTOMER : M/s. Coromandel International Limited
SITE : VIZAG
CALIBRATION DATE : 19/JUL/2023
MODEL : POLYTRON 7000
SERIAL NO. : ARPJ-0342
Location : FPP CONTROL ROOM

Sensor Type	Before Calibration Zero/Span	After Calibration Zero/Span
EC NH3	0.7 PPM / 87.1 PPM	0.0 PPM / 80.0 PPM

Calibration Gas Details :

Calibration Gas	Concentration	Canister No:	Valid Upto
NH3	80 PPM	522740	17-MAY-2024
N2	ZERO	427586	N/A

Alarm Settings:

Sensor Type	Alarm 1	Alarm 2
EC NH3	12.5 PPM	25 PPM

Calibration Done By	STALIN PALANI
Next Calibration Due On	18-JAN-2024

Remark :

- Sensor checked and found working ok.

Signature
Mr.STALIN PALANI
Sr. Service Engineer

For Draeger Safety India Private Limited

CALIBRATION CERTIFICATE

CERTIFICATE NO. :DSIPL/SOUTH/19-07/014
CUSTOMER : M/s. Coromandel International Limited
SITE : VIZAG
CALIBRATION DATE : 19/JUL/2023
MODEL : POLYTRON 7000
SERIAL NO. : ARPJ-0375
Location : FPP CONTROL ROOM

Sensor Type	Before Calibration Zero/Span	After Calibration Zero/Span
EC NH3	1.3 PPM / 78.8 PPM	0.0 PPM / 80.0 PPM

Calibration Gas Details :

Calibration Gas	Concentration	Canister No:	Valid Upto
NH3	80 PPM	522740	17-MAY-2024
N2	ZERO	427586	N/A

Alarm Settings:

Sensor Type	Alarm 1	Alarm 2
EC NH3	12.5 PPM	25 PPM

Calibration Done By	STALIN PALANI
Next Calibration Due On	18-JAN-2024

Remark :

- Sensor checked and found working ok.

Signature
Mr.STALIN PALANI
Sr. Service Engineer

For Draeger Safety India Private Limited

CALIBRATION CERTIFICATE

CERTIFICATE NO. :DSIPL/SOUTH/19-07/015
CUSTOMER : M/s. Coromandel International Limited
SITE : VIZAG
CALIBRATION DATE : 19/JUL/2023
MODEL : POLYTRON 7000
SERIAL NO. : ARPJ-0346
Location : WARF AREA(EAST-4)

Sensor Type	Before Calibration Zero/Span	After Calibration Zero/Span
EC NH3	0.3 PPM / 81.9 PPM	0.0 PPM / 80.0 PPM

Calibration Gas Details :

Calibration Gas	Concentration	Canister No:	Valid Upto
NH3	80 PPM	522740	17-MAY-2024
N2	ZERO	427586	N/A

Alarm Settings:

Sensor Type	Alarm 1	Alarm 2
EC NH3	12.5 PPM	25 PPM

Calibration Done By	STALIN PALANI
Next Calibration Due On	18-JAN-2024

Remark :

- Sensor checked and found working ok.

Signature
Mr.STALIN PALANI
Sr. Service Engineer

For Draeger Safety India Private Limited

CALIBRATION CERTIFICATE

CERTIFICATE NO. :DSIPL/SOUTH/19-07/016
CUSTOMER : M/s. Coromandel International Limited
SITE : VIZAG
CALIBRATION DATE : 19/JUL/2023
MODEL : POLYTRON 7000
SERIAL NO. : ARPJ-0343
Location : WARF AREA(EAST-3)

Sensor Type	Before Calibration Zero/Span	After Calibration Zero/Span
EC NH3	0.8 PPM / 84.1 PPM	0.0 PPM / 80.0 PPM

Calibration Gas Details :

Calibration Gas	Concentration	Canister No:	Valid Upto
NH3	80 PPM	522740	17-MAY-2024
N2	ZERO	427586	N/A

Alarm Settings:

Sensor Type	Alarm 1	Alarm 2
EC NH3	12.5 PPM	25 PPM

Calibration Done By	STALIN PALANI
Next Calibration Due On	18-JAN-2024

Remark :

- Sensor checked and found working ok.

Signature
Mr.STALIN PALANI
Sr. Service Engineer

For Draeger Safety India Private Limited

CALIBRATION CERTIFICATE

CERTIFICATE NO. :DSIPL/SOUTH/19-07/017
CUSTOMER : M/s. Coromandel International Limited
SITE : VIZAG
CALIBRATION DATE : 19/JUL/2023
MODEL : POLYTRON 7000
SERIAL NO. : ARPK-0078
Location : WARF AREA(EAST-2)

Sensor Type	Before Calibration Zero/Span	After Calibration Zero/Span
EC NH3	1.6 PPM / 82.3 PPM	0.0 PPM / 80.0 PPM

Calibration Gas Details :

Calibration Gas	Concentration	Canister No:	Valid Upto
NH3	80 PPM	522740	17-MAY-2024
N2	ZERO	427586	N/A

Alarm Settings:

Sensor Type	Alarm 1	Alarm 2
EC NH3	12.5 PPM	25 PPM

Calibration Done By	STALIN PALANI
Next Calibration Due On	18-JAN-2024

Remark :

- Sensor checked and found working ok.

Signature
Mr.STALIN PALANI
Sr. Service Engineer

For Draeger Safety India Private Limited

EHS/APPCB/2024-068

Date: 01.07.2024

To,
The Environmental Engineer,
A.P Pollution Control Board,
D.NO.33-26-14 D/2,
Near sunrise Hospital,
Pushpa Hotel Centre,
Chalamalavari Street,
Kasturibaipet,
Vijayawada-520010

Sub: Submission of CFO Half Yearly Compliance Reports **VST Terminal**

Ref: Consent order No: **7055-VSP/APPCB/ZOVSP/CFO/2021- 01/11/2021**

Dear sir,

This has with reference to the above subject we are herewith submitting the CFO Half yearly Compliance report for the period of Dec-2023 to May-2024.

This is for information please.

Thanking you,

Yours faithfully

For Coromandel International Limited



Gnanasundaram M

Vice President & Head Mfg.



NAG/DNR

Enc: CC to 1. Regional Office, APPCB, Visakhapatnam
2. Zonal Office, APPCB, Visakhapatnam

Coromandel International Limited, Visakhapatnam

Consent Order No: 7055-VSP/APPGB/ZOVSP/CFO/2021- 01/11/2021

(From the period Dec -2023 to May -2024)

S. No.	Consent Order Condition	Compliance
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.	Complied and will be followed
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.	Noted. This facility is storage of phosphoric acid only. No wastewater is generated.
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. PLI policy no. 9600036243300000001 obtained as per the Public Liability Insurance Act, 1991. A copy of PLI policy, which is valid up to 31.03.2025, is herewith enclosed as Annexure-01 for your reference.
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 The signboard image is herewith enclosed as Annexure-02 for your reference
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.	Noted.
6	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.	The environmental statement for the year FY:2022-23 has been submitted vide our letter no. EHS/APPGB/2023-78 dated 28.09.2023. Copy of acknowledgment herewith enclosed as Annexure-03.
7	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	Noted and complied.

S. No.	Consent Order Condition	Compliance									
	<p>Air Acts and detailed compliance of CFO conditions for obtaining Consent & HW Authorization of the Board.</p> <p>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.</p> <p>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.</p>										
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.	Noted									
SPECIAL CONDITIONS:											
1	The industry shall comply with recommendations of onsite emergency plan, safety audit and HAZOP/HARA study report	Complied									
2	The shall inform RO about cleaning of tank bottom sludge (1000 TPA) every year before cleaning and sending to main plant.	Noted									
SCHEDULE - B											
WATER POLLUTION:											
3	The industry shall not generate any process and wash wastewater and shall not discharge any wastewater within or outside the industry premises.	No effluents are generated from the process as it is a storage tank facility only.									
4	<p>The industry shall comply the following effluent standards based on the disposal points permitted:</p> <p>Shall comply the norms notified by MoEF & CC vide notification No. GSR.422 (E) dated: 19.05.1993</p>	Noted.									
5	<p>The source of water being ground water. The following is the permitted water consumption:</p> <table border="1"> <thead> <tr> <th>S No.</th><th>Purpose</th><th>Quantity</th></tr> </thead> <tbody> <tr> <td>1.</td><td>Domestic</td><td>1 KLD</td></tr> <tr> <td></td><td>TOTAL</td><td>1 KLD</td></tr> </tbody> </table>	S No.	Purpose	Quantity	1.	Domestic	1 KLD		TOTAL	1 KLD	It is being complied. VPT is supplying water and meter has been installed.
S No.	Purpose	Quantity									
1.	Domestic	1 KLD									
	TOTAL	1 KLD									

S. No.	Consent Order Condition	Compliance
	Separate meters with necessary pipeline shall be maintained for assessing the quantity of water used for each of the purposes mentioned above for Cess assessment purpose.	
6	The industrial shall provide digital flow meters with totaliser facility for measuring the actual quantity of water consumption within one month and maintain log register for the same.	Complied, provided flow meters for measuring water consumption.
7	The industry shall not discharge the wastewater outside the factory premises under any circumstances	Agreed.
AIR POLLUTION		
8	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 ss than 2.5 microns) - 60 micro gram/ m3; SO2 - 80 micro gram/ m3; NOx - 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).	Complied. Ambient Air Quality in the plant and periphery villages is being carried out through MoEFCC & NABL accredited laboratory. Monthly Monitoring AAQM and Noise Reports is herewith enclosed as Annexure-04 for your reference
9	The industry shall ensure compliance of the National Ambient Air Quality Standerds notified By MOEF ,GOI vide Notification GSR 826 (E) Dt 16.11.2009 at boundary of the premises during regular operation.	Complied.
10	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.	No DGs are being used.
11	The industry shall take measures to comply with the provisions laid down under Noise pollution (Regulation and Control) Amendments Rules, 2010 dated 11.01.2010 issued by MoEF, GoI to control the noise to the prescribed level.	Complied.
GENERAL		
12	The generated tank bottom sludge of phosphoric acid – 3 tons/day shall be collected in a scientific manner and send to parent industry for further processing.	It is being followed.

S. No.	Consent Order Condition	Compliance
13	The industry shall not cause any air pollution / odour nuisance to the surrounding environment.	Noted. The facility is for storage of phosphoric acid only.
14	The industry shall not store any chemical in the storage tanks other than phosphoric acid.	Complied.
15	The industry shall handle the phosphoric acid safely without any spillages on ground.	It is being followed.
16	M/s. Coromandel International Ltd., shall ensure taking all safety precautions for handling of caustic soda by M/s. IMC.	Not applicable. We have handed over an area of 5.36 acres to Visakhapatnam Port Trust. For storage and handling of phosphoric acid, the industry has taken over an extent of land measuring 3.3 acres.
17	M/s. Coromandel International Ltd., shall ensure to treat the wastewater generated due to washing of pipeline in M/s.IMC facility.	Not applicable. We have handed over an area of 5.36 acres to Visakhapatnam Port Trust. For storage and handling of phosphoric acid, the industry has taken over an extent of land measuring 3.3 acres.
18	The industry shall comply with the industry specific standards with respect to process emissions stipulated by the MoEF & CC, GoI, New Delhi from time to time.	Noted and followed.
19	The industry shall take necessary measures to control the emissions during handling and storage of raw materials & products.	Noted and followed.
20	The facility shall not cause dust/air/noise pollution problems to the surrounding environment.	Noted
21	The industry shall not increase the capacity beyond the permitted capacity mentioned in this order, without obtaining CFE/CFO of the board.	Noted and followed.
22	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 effluent / hazardous waste	Noted.
23	The industry shall develop green belt in all the vacant places.	Agreed
24	The industry shall maintain good housekeeping with-in the premises.	It is being followed.
25	The industry shall submit Half yearly compliance reports on CFO conditions for every 6 months as on 1st of January and 1st July of every year at Regional office and Zonal office.	Submitted half yearly CFO condition wise compliance reports on half yearly basis. Copy of acknowledgment herewith enclosed as Annexure-05.

S. No.	Consent Order Condition	Compliance
26	The board reserves its right to modify the above conditions or stipulated any further conditions and to take action including revoke of this order in the interest of environment protection	Noted
27	Concealing the factual data or submission of false information / Fabricated data and failure to comply with any of the conditions mentioned in this order may result in withdrawal of this order and attract action under the provisions of relevant pollution control acts.	Noted
SCHEDULE – C		
1	All the rules and regulations notified by Ministry of Environment and Forests, Government of India under the E(P) Act, 1986 in respect of management, handling, transportation and storage of the Hazardous wastes should be followed.	Agreed.
2	The industry shall not store hazardous waste for more than 90 days as per the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and amendments thereof.	Complied
3	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.	Noted
4	The industry shall maintain 6 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.	Agreed.
5	The industry shall maintain proper records for Hazardous 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 22(2) of the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008 and amendments thereof.	Agreed
6	The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.	Noted & Followed
7	The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.	Noted
8	Any unauthorized change in personnel, equipment or working conditions as mentioned in	Agreed

S. No.	Consent Order Condition	Compliance
	the application by the person authorized shall constitute a breach of his authorization.	
9	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.	Complied Mock drills at regular intervals are being conducted as per the statutory norms, is herewith enclosed as Annexure-06 for your reference
10	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".	Noted
11	The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.	Noted
12	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.	Noted
13	Annual return shall be filed by June 30th for the period ensuring 31st March of the year.	Complied Form-IV Submission copy is herewith enclosed as Annexure-07 for your reference
14	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.	The import of the Hazardous Chemicals submission copy is herewith enclosed as Annexure-08 for your reference
15	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 to the Regional Office, APPCB time to time duly certifying the same by the industry. Further the industry shall extend training to the working personnels while handling hazardous chemicals for prevention of accidents and necessary antidotes to ensure the safety, as per the MSIHC Rules, 1989.	The industry has identified major list of accident hazard chemicals as per the MSIHC Rules, 1989 and the details have been submitted to the authorities.

S. No.	Consent Order Condition	Compliance
16	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 Submitted safety audit report on 28.03.2024 copy is herewith enclosed as Annexure-09 for your reference & OSEP report on 08.12.2023 is herewith enclosed as Annexure-10 for your reference
17	"The industry shall carryout calibration of safety equipments 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".	Complied Safety equipment and Leak detection systems submission to PCB copy is herewith enclosed as Annexure-11 for your reference
18	The industry shall inventorize 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 monthly basis duly certifying the same by the industry.	Complied
19	The industry shall submit the compliance of all the conditions stipulated in the CFO & HWA order within 6 months and submit report to Regional Office & Zonal Office.	Complied Half yearly CFO condition wise compliance submitted on 30.12.2023. is herewith enclosed as Annexure-12 for your reference

Coromandel



FUTURE POSITIVE

Coromandel International Limited

Post Box No. 1116, Sriharipuram, Malkapuram Post
Visakhapatnam - 530 011, Andhra Pradesh, India
Tel : 91-891-2578400
DID : 91-891-2893+Extn No
Website : www.coromandel.biz
CIN : L24120AP1961PLC000892
GSTIN : 37AAACC7852K1ZC

Annexure - 1

EHS/APPCB/2024-030

Dated:22/04/2024

To
The Environmental Engineer,
Regional Office, 3rd Floor
A.P. Pollution Control Board,
Visakhapatnam -18

Dear Sir,

Sub: Submission of Public Liability Act copy (Policy No. 96000036243300000001).

**Ref: i) CFO Order No: APPCB/VSP/65/CFO/HO/1967 - 04/08/2023
ii) CFO Order No: 7055/APPCB/ZO-VSP/CFO/VSP/2021-01/11/2021
iii) CFO Order No: APPCB/VSP/VSP/65/HO/CFO/2020 - 23/12/2020**

With reference to above as per the general condition point No 43 specified in CFO Order No: APPCB/VSP/65/CFO/HO/1967 - 04/08/2023 and Schedule – A in condition no : 03 in CFO Order No: 7055/APPCB/ZO-VSP/CFO/VSP/2021-01/11/2021 & CFO Order No: APPCB/VSP/VSP/65/HO/CFO/2020 - 23/12/2020, we are herewith submitting the Public Liability Act Policy copy for the period of

Policy Period:

**From : 01/04/2024
To Midnight of : 31/03/2025**

This is for your kind information & Records
Thanking you,

Yours Truly
For Coromandel International Limited

**Gnanasundaram M
Vice President & Head Manufacturing.**

Encloser: PLA copy





POLICY SCHEDULE FOR PUBLIC LIABILITY (Act Only) INSURANCE

UIN NUMBER - IRDAN190P0076100001

Insured's Name	: M/S. COROMANDEL INTERNATIONAL LIMITED		
Insured's Details		Issuing Office Details	
Customer ID	: PO59235971	Office Code	: HYDERABAD LCBO 960000 (960000)
Address	: COROMANDEL HOUSE, D.NO:1-2-10, SARDAR PATEL ROAD, SECUNDERABAD. SECUNDERABAD, TELANGANA, 500003	Address	: LARGE CORPORATE AND BROKERS OFFICE, 7C, 7TH FLOOR, SURYA TOWERS, S.P. ROAD, SECUNDERABAD, 500003
Phone No	:	Phone No	: 4027810302
E-mail/Fax	: MittalA@coromandel.murugappa.com, /	E-mail/Fax	: nia.960000@newindia.co.in /
PAN No	: AAACC7852K	S.Tax Regn. No	: AAACN4165CST178
GSTIN/UIN	: 36AAACC7852K2ZD / NA	GSTIN	: 36AAACN4165C3ZQ
	:	SAC	: 997139 (Other non-life insurance services excl RI)

Policy Details			
Policy Number	: 96000036243300000001	Business Source Code	
Period of Insurance	: From: 01/04/2024 12:00:01 AM To: 31/03/2025 11:59:59 PM	Dev. Off. level/Broker/Corp. Agent/Web Aggregator/CPSC User	: Marsh India Insurance Brokers Pvt. Ltd. - (2D10672900) Marsh_India_121400 - (2D10685525),
Date of Proposal	: 01-Apr-24	Agent/Bancassurance/S pecified Person	:
Prev. Policy no.	: 62030036233300000001	Phone No	: 7045922442, 8657561533 / NA
Client Type	: Corporate	E-mail/Fax	: Kamal.Pherwani@marsh.com, Pravin.chandvekar@marsh.com / /

Premium(₹)	ERF Premium(₹)	GST(₹)	Total (₹)	Total (₹ in words)	Receipt No. & Date
230765	230765	41,538	5,03,068	RUPEES FIVE LAC THREE THOUSAND SIXTY-EIGHT ONLY	96000081240000000024 - 02/04/24

Details of risk covered under current year policy:

								Deductibles	
Retroactive Date	Paid Up Capital	No Of Locations Involved	AOA	AOA:AOY	AOY	Annual Turnover - Previous Year	Annual Turnover - Proposed Year	No of workmen	No of Other Employee
01/04/2012	<= 15 Crore	19	50000000	1:3	150000000	150000000000	250000000000	14000	3000

Retroactive Dates

									Deductibles	
Retroactive Date Details	Date	Paid Up Capital	No Of Locations Involved	AOA	AOA:AOY	AOY	Annual Turnover - Previous Year	Annual Turnover - Proposed Year	No of workmen	No of Other Employee
RETROACTIVE DATE 1	01/04/2012	<=15Crore	19	50000000	1.3	150000000	150000000000	250000000000	14000	3000

RETRO-DATE IS SUBJECT TO LESSER OF LIMITS - NARROWER OF COVER.

Extensions under the Policy

Name of the Extension	Sub Limit of the Extension	Deductibles of the Extension
-----------------------	----------------------------	------------------------------

Signature Not Verified
Digitally signed by DHIRA KUMAR
Date: 2024.04.02 13:41:27 +05'30'IST

Policy No. : 96000036243300000001 Document generated by 38308 at 02/04/2024 13:41:27 Hours.

Regd. & Head Office: New India Assurance Bldg., 87 M.G. Road, Fort, Mumbai - 400 001. TOLL FREE No. 1 800 209 1415.



Special Conditions	AS PER POLICY-19 NO.OF LOCATIONS AS PER LIST ATTACHED HEREWITH AS PER PUBLIC LIABILITY ACT POLICY Absolute exclusion for losses directly or indirectly arising out of contributed to by or resulting from Coronavirus (Covid 19 and /or nCov 2019) or any mutations or variations thereof.	
Special Exclusions	NA	
Special Excess/Deductible	0	
Retroactive Dates	Date	
Retroactive date		01/04/2012

The Policy shall be subject to PUBLIC LIABILITY (Act Only) INSURANCE Policy clauses attached herewith.

Clauses	Description	
Premium and GST Details		
	Rate of Tax	Amount in INR
Premium		₹ 4,61,530
SGST	9	20769
CGST	9	20769
IGST	0	0

In witness whereof the undersigned being duly authorised by the Insurers and on behalf of the Insurers has (have) hereunder set his (their) hand(s) on this 02nd day of April, 2024.

For and on behalf of
The New India Assurance Company Limited

Date of Issue: 02/04/2024

Duly Constituted Attorney(s)

Stamp Duty under the Policy is ₹1

Mudrank _____ Dt. _____ consolidated Stamp Fees Paid by Pay Order Number _____ vide receipt number _____ dt. _____.

We hereby declare that though our aggregate turnover in any preceding financial year from 2017-18 onwards is more than the aggregate turnover notified under sub-rule (4) of rule 48, we are not required to prepare an invoice in terms of the provisions of the said sub-rule.

Tax Invoice No : 96000024E0000029

IRDA Registration Number: 190
NIA PAN NUMBER: AAACN4165C

दिन्यू इंडिया एश्योरन्स कंपनी लिमिटेड
वृहत् कॉर्पोरेट एवम ब्रोकर्स कार्यालय - ९६०००
7th मंजिल, सूर्या टावर्स, एसडी रोड, मिकनदराबाद
५००००३, तेलंगाना
दूरभाष - ०४०-२७८१०३००, २७८१०३०२
फैक्स - ०४०-६६२६४४४३

हिन्दी हमारी राष्ट्रभाषा है, सारे देश की भाषा है।



Leadership and Beyond

The New India Assurance Co Ltd

Large Corporate and Brokers Office - 960000

7th Floor, C Block, Surya Towers, SP Road,

Secunderabad - 500 003, Telangana

Telephone - 040 27810300, 27810302

Fax - 040 66264443

India's Premier General Insurance Company

Schedule attached to and forming part of policy no. 96000036243300000001

List of 19 Locations attached and forming part of Public Liability (Act only) Policy no:
96000036243300000001, Policy period : 01-04-2024 to 31-03-2025.

With reference to the captioned subject following are the list of Locations

1. M/S Coromandel International Ltd-VISAKHAPATNAM
2. M/S Coromandel International Ltd-KAKINADA
3. M/S Coromandel International Ltd-ENNORE
4. M/S Coromandel International Ltd-RANIPET
5. M/S Coromandel International Ltd-THANE
6. M/S Coromandel International Ltd-NAVI MUMBAI.
7. M/S Coromandel International Ltd-UNIT 1, JAMMU
8. M/S Coromandel International Ltd-UNIT2, BARIBRAHMANA, JAMMU
9. M/S Coromandel International Ltd, UMBERGAON
10. M/S Coromandel International Ltd, GIDC, NANDESARI
11. M/S Coromandel International Ltd, PALI
12. M/S Coromandel International Ltd, RAIBARELI
13. M/S Coromandel International Ltd, MADRI-UDAIPUR
14. M/S Coromandel International Ltd, JAGPURA-KOTA
15. M/S Coromandel International Ltd, MUNIRABAD
16. M/S Coromandel International Ltd, ANKHALESHWAR
17. M/S Coromandel International Ltd, DAHEJ
18. M/S Coromandel International Ltd -NIMRANI
19. M/S Coromandel International Ltd Super Phosphate factory, ENNORE

For The New India Assurance Company



Authorised Signatory

EHS2-Vizag-Coromandel

From: Nageswara Rao G-AsstMgr-EHS-Vizag-Coromandel
Sent: 24 April 2024 16:10
To: rovspappcb@gmail.com
Cc: Nagarjuna-P-Mgr-EHS-Vizag-Coromandel; EHS2-Vizag-Coromandel; Subhradip Mondal-Mgr-Environment-Vizag-Coromandel; Nagaraju D-AGM-EHS-Vizag-Coromandel; Vinod Kumar Mishra-Sr.GM-EHS-Vizag-Coromandel
Subject: CIL-Vizag submission of special conditions reports
Attachments: Submission of AAQMS online data for the six months as per EC complex PAP.crdownload; Submission of SAP -3 & Desalination plant Fire NOC.crdownload; Submission of monthly Piezo Well analysis report as per EC complex PAP.crdownload; Submission of Piezo Well analysis report as per CFO.crdownload; Public Liability Policy (PLI) April - 2024-2025 (Policy No. 96000036243300000001).pdf

Dear Sir,

Here we are submitting the following Special Conditions reports for your consideration.

1. Public Liability Act copy (Policy No. 96000036243300000001).
2. Fire NOC
3. Piezo well water analyses Quarterly reports as per CFO
4. Piezo well water analyses monthly reports as per EC
5. AAQMS online data reports as per EC

The same original copy along with backup documents we submitted on **23.04.2024** to your regional office. Again, we have submitted the same copy through mail as per your instruction.

Thanks & Regards,
Nageswara Rao G



Coromandel International Limited

Sriharipuram, Malkapuram PO

Visakhapatnam-530 011

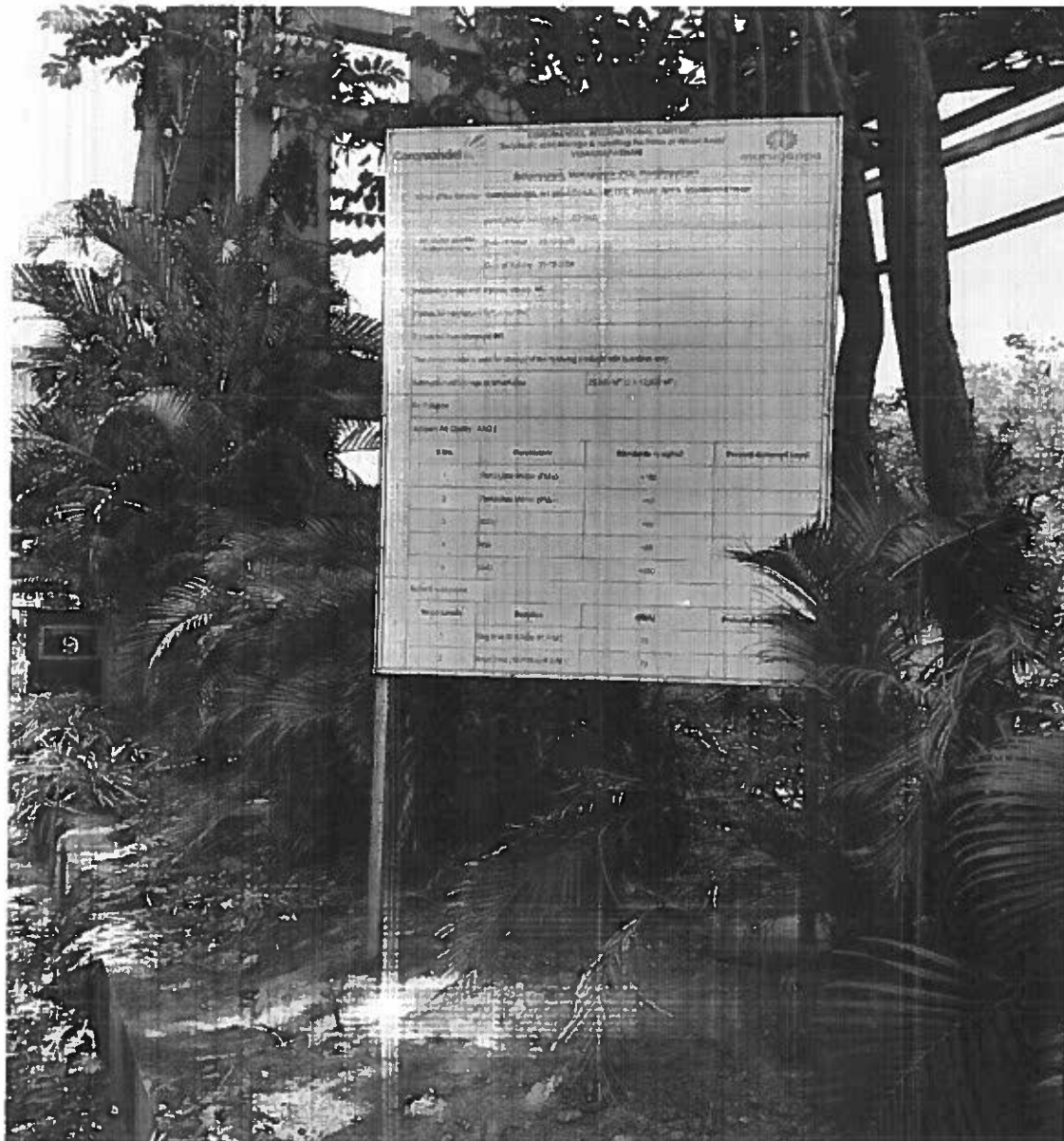
Andhrapradesh, India.

F: +91 891-2578400

W: www.coromandel.biz

A MURUGAPPA GROUP COMPANY

VST – Signboard



Date: 28.09.2023

ENS/APPCB/2023-78

To
The Member Secretary,
A.P. Pollution Control Board,
D.No.33-26-14D/2, Near Sunrise Hospital,
Pushpa Hotel Centre,
Chalamalavari Street, Kasturibaipet,
Vijayawada-520 010

Signature: G. Gnanasundaram, Mask

RM51559924IN INR:82767515592
FL MALKAPURAM S.O (530011)
Counter No: 1.29/09/2023.11:29
To: FORM V THE APPCB VIJAYAWADA
FIN: 520010. Venkateswararao S.O
From: EHS NO. COROMANDEL INTER
Dt: 28/09/23
Amt: 00.00 (Cash)
Track on www.indiapost.gov.in

Sub: Submission of Environmental Statement in Form-V for the financial year 2022-23 as per the
Environmental Protection Act -1986 reg.

Ref: 1. Consent Order No: APPCB/VSP/65/CFO/HO/1967 - 30/09/2022
2. Consent Order No: 7055/APPCB/ZO-VSP/CFO/VSP/2021 - 01/11/2021
3. Consent Order No: APPCB/VSP/VSP/65/CFO/HO/2020 - 23/12/2020

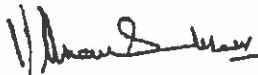
Dear Sir,

We are enclosing herewith the Environment Statement for the financial year 2022-23 ending with
31st March 2023 in prescribed Form-V with respect to Coromandel International Ltd. along with
relevant annexures.

This is submitted as per the guidelines of Environment protection act -1986

Thanking you

Yours faithfully
For Coromandel International Limited


M. Gnanasundaram
VP & Head - Manufacturing


Encl: As above

Cc: 1. The Joint Chief Environmental Engineer, Zonal Office, APPCB, Visakhapatnam-18
2. The Environmental Engineer, Regional Office, APPCB, Visakhapatnam-18

EHS2-Vizag-Coromandel

From: Nagarjuna-P-Mgr-EHS-Vizag-Coromandel
Sent: 29 September 2023 13:02
To: rovspappcb@gmail.com; rovsp-ee1@appcb.gov.in; zovspappcb
Cc: EHS2-Vizag-Coromandel; Subhradip Mondal-Mgr-Environment-Vizag-Coromandel; Nagaraju D-AGM-EHS-Vizag-Coromandel; Vinod Kumar Mishra-Sr.GM-EHS-Vizag-Coromandel
Subject: Submission of CIL-Form-V (Environmental Statement) for the period of 2022-2023
Attachments: CIL-Vizag-Form -V 2022-2023.pdf

Dear Sir,

Here we are submitting the Environmental Statement , Form-V as per Environmental Protection Act, 1986 by Coromandel International Limited, Visakhapatnam for the period of 2022-2023.

Same original copy of Form-V along with backup documents we have submitted to Head office, APPCB, Vijayawada through postal on 29.09.2023 and same copy submitted to your regional and zonal office today.

Again, we have submitted the same copy through mail as per your instruction.

Regards,
Nagarjuna P
Manager-Environment
9100443439

SAVE ENVIRONMENT SAVE LIFE

Coromandel 
FUTURE POSITIVE
Coromandel International Limited
Sriharipuram, Malkapuram PO
Visakhapatnam-530 011
Andhrapradesh, India.
F: +91 891-2578400
W: www.coromandel.biz
A MURUGAPPA GROUP COMPANY

Date: 28.09.2023

EHS/APPCB/2023-78

To
The Member Secretary,
A.P. Pollution Control Board,
D.No.33-26-14D/2, Near Sunrise Hospital,
Pushpa Hotel Centre,
Chalamalavari Street, Kasturibaipet,
Vijayawada-520 010

Sub: Submission of Environmental Statement in Form-V for the financial year 2022-23 as per the
Environmental Protection Act -1986 reg.

Ref: 1. Consent Order No: APPCB/VSP/65/CFO/HO/1967 - 30/09/2022
2. Consent Order No: 7055/APPCB/ZO-VSP/CFO/VSP/2021 - 01/11/2021
3. Consent Order No: APPCB/VSP/VSP/65/CFO/HO/2020 - 23/12/2020


Dear Sir,


We are enclosing herewith the Environment Statement for the financial year 2022-23 ending with
31" March 2023 in prescribed Form-V with respect to Coromandel International Ltd. along with
relevant annexures.

This is submitted as per the guidelines of Environment protection act -1986

Thanking you

Yours faithfully
For Coromandel International Limited


M. Gnanasundaram
VP & Head - Manufacturing


NAB/DNR
Encl: As above

Cc: 1. The Joint Chief Environmental Engineer, Zonal Office, APPCB, Visakhapatnam-18
2. The Environmental Engineer, Regional Office, APPCB, Visakhapatnam-18

TEAM**ORIGINAL**

Form-No. TCLU/GF/RF-138

Labs and Consultants**Registered Office :**

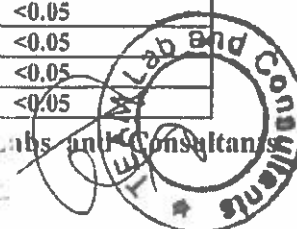
B-115, 116, 117 & 509, Annapurna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.

Ph. : (O) 040-23748555 / 23748616, Fax : 040-23748666, Email : teamlabs@gmail.com

Laboratory Recognised by Ministry of Environment, Forests and Climate Change, Govt, New Delhi
NABL Accredited Laboratory**TEST REPORT**

Test Report No.		TLC/V/Env/CIL/18/0524	dt.01.06.2024
Description of Test		Ambient Air quality Monitoring inside the CFL unit	
Name of the client		Coromandel International Limited, Visakhapatnam	
Location of sampling		Stations as per details given	
Period of Monitoring		For the Month of MAY-2024	
Summary of Ambient Air quality Monitoring Data for the Month of MAY-2024			
Parameters		AAQ-4 Station at Warf	AAQ-5 Station near VST
PM2.5	Minimum	35	36
	Maximum	42	42
	98%tile	42	42
	Average	39	39
PM 10 µg/M³	Minimum	69	68
	Maximum	80	80
	98%tile	80	80
	Average	75	74
SO₂ µg/M³	Minimum	12.5	12.2
	Maximum	15.0	15.5
	Average	13.9	13.8
	98%tile	15.0	15.5
NOₓ µg/M³	Minimum	16.4	18.3
	Maximum	21.4	22.1
	98%tile	21.4	22.1
	Average	19.7	20.1
NH₃ mg/M³	Minimum	0.02	0.04
	Maximum	0.03	0.07
	98%tile	0.03	0.07
	Average	0.025	0.058
O₃ µg/M³	Minimum	16	18
	Maximum	22	22
	98%tile	22	22
	Average	18.8	19.8
CO mg/M³	Minimum	0.1	0.1
	Maximum	0.3	0.3
	98%tile	0.3	0.3
	Average	0.21	0.2
Pb µg/M³	<0.05	<0.05	<0.05
C6H6 ng/M³	<0.05	<0.05	<0.05
B(a)P ng/M³	<0.05	<0.05	<0.05
As ng/M³	<0.05	<0.05	<0.05
Ni ng/M³	<0.05	<0.05	<0.05

For TEAM Labs and Consultants



Labs and Consultants**Registered Office :**

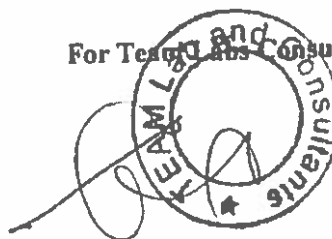
B-115, 116, 117 & 509, Annapoorna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.
Ph. (O) 040-23748555 / 23748616, Fax : 040-23748666, Email : teamlabs@gmail.com

Laboratory Recognised by Ministry of Environment, Forests and Climate Change, Govt. of India, New Delhi
NABL Accredited Laboratory

TEST REPORT

Test Report No	TLC/V/Env/CIL/30/0524	DATE 01-06-2024
Description of Test	Noise Level Monitoring	
Name of the client	Coromandel International Limited, Visakhapatnam	
Location of sampling	As per details provided	
Date of collection	01 May 2024	
	LOCATION / AREA	NOISE LEVEL LIMITI (70dB)
VST Terminal		
Night	Storage Trucks Area	51
	Control Room	49
	VST Gate	50
	Transformer Area	60
Day	Storage Trucks Area	69
	Control Room	67
	VST Gate	61
	Transformer Area	68

For Team Labs Consultants



Compliance of EC/CFE/ CFO/ Directions

For submission of compliance reports by the Industries

1.Compliance Report :*

CFO

2.CFO Order Number*

APPCB/VSR/65/CFO/HO/1967-04/08/2023,APPCB/VSR/6

3.CFO Order Issued On*

08/04/2023

4.CFO Order Issued By*

Head Office

5. District :*

Vishakhapatnam

6. Category Type :*

Red

7. Name Of Industry :*

Coromandel International Ltd.

8. Address :*

Coromandel International Ltd., P.O No. 125,
Srithurpouam, Malkapuram (PO)
Vishakhapatnam

9. Email :*

EHS2@coromandelinternational.com

10. Phone :*

9100443439

10. Status of Compliance :*

Complied

11. Upload the Compliance Report :*

CFCL.pdf

Notat :

CFE/CFQ: Please note that under Section 47A of Water Act, 1974, industries are required to submit compliance reports to the concerned authority for the purpose of monitoring the compliance of the industries with the provisions of the Act.

Type here to search

To,
The Environmental Engineer,
Andhra Pradesh Pollution Control Board,
Regional Office, Behind RTA Office,
Madhavadhara VUDA Colony,
Visakhapatnam – 530 018

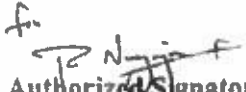
Date : 30.12.2023

Sub : Submission of Six monthly compliance report as on 30.12.2023 for Consent For
operation order Issued For Storage and Handling of Phosphoric Acid as- Reg

Ref : 1. CFO No - 7055-VSP/APPCB/ZOVSP/CFO/2021- 01/11/2021

2. APPCB paper notification Dated: 07.09.2019

With reference to the above subject, herewith we are submitting the Six monthly condition wise
compliance report as on 30.12.2023 of stipulated conditions in Consent For Operation issued
vide Order No. 7055-VSP/APPCB/ZOVSP/CFO/2021- 01/11 /2021 of M/s Coromandel
International Limited, Sriharipuram Visakhapatnam For Storage and Handling of Phosphoric
Acid duly Certified by M/s TEAM Labs and Consultants NABL accredited Laboratory after
carrying out site visit during the period 11.12.2023 to 19.12.2023 is enclosed for records.
Yours sincerely,


Authorized Signatory

Enclosures: 1. CFO compliance report
2. NABL accreditation Certificate

EHS/APPCB/2024-021

Coromandel International Limited

Post Box No. 1116, Sriharipuram, Malkapuram Post
Visakhapatnam - 530 011, Andhra Pradesh, India
Tel : 91-891-2578400
DID : 91-891-2893+Extn No
Website : www.coromandel.biz
CIN : L24120AP1961PLC000892
GSTIN : 37AAACC7852K1ZC
28th March 2024

To,

Environmental Engineer
A.P. Pollution Control Board
Regional Office
Visakhapatnam – 530 018

Sub: Submission of Mock Drill report by Coromandel International Limited,
Visakhapatnam –Reg.

Ref: Schedule-C condition number 09 in CFO order no: 7055/APPCB/ZO-VSP/CFO/VSP/2021
Dt:01.11.2021.

Dear Sir,

This is bringing to your kind information that, we have submitted the Mock Drill report
(Conducted on 30.08.2023) by VST Terminal, Coromandel International Limited, Visakhapatnam
to the Factories Department Dated on 27.09.2023 and acknowledge received.

The same acknowledgement copy, we are submitting to your good selves as part of Schedule-C
condition number 09 in CFO order no: 7055/APPCB/ZO-VSP/CFO/VSP/2021 Dt:01.11.2021

Hence you are requested to acknowledge receipt of the report.

Yours Truly

For Coromandel International Limited, Visakhapatnam


Mr. Nagaraju D
AGM- Head of EHS Department.


NAG
Enclosure: Annexure:01 Mock Drill report.

EHS2-Vizag-Coromandel

From: Nagarjuna-P-Mgr-EHS-Vizag-Coromandel
Sent: 28 March 2024 16:09
To: rovspappcb@gmail.com
Cc: Nageswara Rao G-AsstMgr-EHS-Vizag-Coromandel; Subhradip Mondal-Mgr-Environment-Vizag-Coromandel; EHS2-Vizag-Coromandel; Vinod Kumar Mishra-Sr.GM-EHS-Vizag-Coromandel, Nagaraju D-AGM-EHS-Vizag-Coromandel
Subject: Submission of Mock Drill Report - VST Terminal, CIL, Vizag.
Attachments: Mock drill VST.pdf

Dear Sir,

This is to kindly inform you that we have submitted the Mock Drill report (Conducted on 30.08.2023) by VST Terminal, Coromandel International Limited, Visakhapatnam to the Factories Department Dated on 27.09.2023 and acknowledge received.

The same acknowledgement copy, we are submitting to your good selves as part of Schedule-C condition number 09 in CFO order no: 7055/APPCB/ZO-VSP/CFO/VSP/2021 Dt:01.11.2021

This is for your kind information & Records.

Regards,
Nagarjuna P
Manager-Environment
9100443439
SAVE ENVIRONMENT SAVE LIFE

EHS/IF/2023-24/

26/09/2023

To,
Dy. Chief
The Inspector of Factories
50-50-35/8, Gurucharan Marg,
Seethammadhara,
Visakhapatnam - 530013.

Subject: Submission of On-Site Emergency Mock Drill report conducted on 30.08.2023.

Dear Sir

We herewith enclosed the complete report of On-Site Emergency Mock Drill conducted on 30.08.2023 at Coromandel International Limited, Visakhapatnam along with minutes and photographs for your records.

Thanking you,

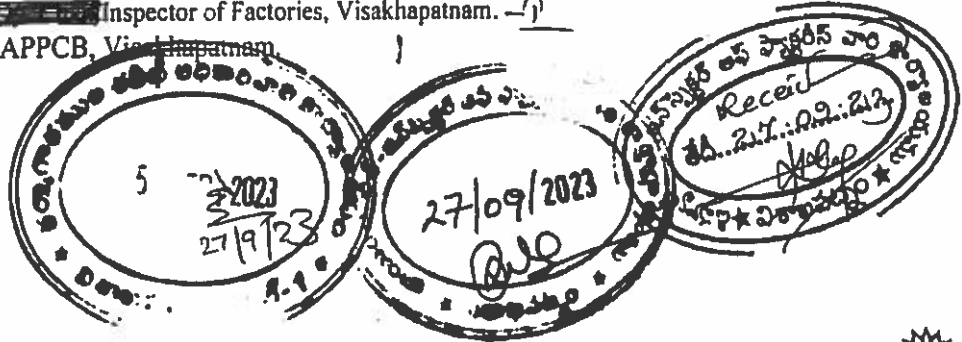
Yours faithfully,
For M/S Coromandel International Limited,



Gnanasundaram M,
VP & Head Manufacturing.

GSR/DNR

CC:

1. The Joint Chief Inspector of Factories
2. The ~~Joint~~ Inspector of Factories, Visakhapatnam. -1
3. RO, APPCB, Visakhapatnam



	Coromandel International Limited, Visakhapatnam Integrated Management System (IMS) Manual Quality, Environment and Occupational Health & Safety & Energy (QHSEE)		 murugappa
	Mock drill Report		
Document Ref:	IMS-F-11	Version Control:	Version-II, Rev: 00 dt. 23/01/2023
			Page 1 of 7

Type of Mock Drill : Un-informed Localized Mock drill

Date of Mock Drill : 30.08.2023 (Wednesday)

Time of Start : 11:25 hrs.

Time of Clearance : 12:10 hrs.

Area : VST Terminal

Scenario : While Loading of Phosphoric Acid Tanker from Phosphoric Acid Tank 2 at Tanker loading Platform, Major Phosphoric Acid leak observed from flange joint.
Two of the contract workmen who were present and performing the task of loading activity were exposed to toxic inhalation and due to improper PPE'S eyes were got effected.

Wind Directions : From North

Pre - Mock Drill Meeting :

Mock drill Coordinator conducted a Pre – Mock drill meeting on 24.03.2023 in presence of AGM-EHS at incident site where the postulated scenario and all possible criticalities were discussed.

Objective of Mock Drill :


The broad objective of the mock exercise conducted in Coromandel International Limited, Visakhapatnam was to review the emergency preparedness. The other specific objectives are to:

- ✓ Assess the response mechanism of the first responders.
- ✓ Enhance coordination among the emergency support functioning agencies.
- ✓ Awareness creation among the employees and contract workmen
- ✓ To evaluate competency of emergency personnel in use of firefighting equipment's and first aid during emergency situations.
- ✓ To identify organizational strength and weakness in dealing with emergencies.

Observers:

Independent observers were designated in various locations as follows. Each of them closely observed the entire process and response mechanism during the drill and a report was submitted on the gaps identified.

1. At Area of emergency : Mr. Wasim Khan (VPT Terminal Dy Fire Chief)

	Coromandel International Limited, Visakhapatnam Integrated Management System (IMS) Manual Quality, Environment and Occupational Health & Safety & Energy (QHSEE)		
	Mock drill Report		
Document Ref:	IMS-F-11	Version Control:	Version-II, Rev: 00 dt. 23/01/2023
			Page 2 of 7

- | | | |
|--------------------------------|---|--------------------------------------|
| 2. At Emergency control center | : | Mr. Kartheek (EHS) |
| 3. At VST control room | : | Mr. Gopal M (VST Terminal In charge) |
| 4. At Fire station | : | Mr. Ganesh V (PAP 1) |
| 5. At OHC | : | Dr. Uday (HR Dept) |

Assembly points:

- | | | |
|-----------------------|---|--------------------------------|
| 1. Assembly point - 1 | : | VST Security Gate |
| 2. Assembly point - 2 | : | Vizag Port Trust Security Gate |

Initiation of Emergency:

While Loading of Phosphoric Acid Tanker from Phosphoric Acid Tank 2 at Tanker loading Platform, Major Phosphoric Acid leak observed from flange joint.

Two of the contract workmen who were present and performing the task of loading activity were exposed to toxic inhalation and due to improper PPE'S eyes were also got effected.

Emergency Organization:



- | | | |
|----------------------------|---|---|
| Chief Emergency Controller | : | Mr. Jaganathan K
AVP (Operations) |
| Chief Incident Controller | : | Mr. Shunmuga Sundaram-S
AGM (Operations - PAP 1&2) |
| Mock Drill Coordinator | : | Mr. G Santosh Reddy / Mr. Kartheek K
Mgr.- Fire & safety / Asst Mgr.-EHS |

Delegates Present

S.no.	Name	Designation
1	Mr. Wasim Khan	VPT Terminal Dy. Fire Chief

Organization Delegates



S.no.	Name	Designation
1	Mr. Jaganathan	AVP - Operations
2	Mr. Nagaraju D	AGM - EHS
3	Mr. Ranganayakulu	Sr. AVP - Maintenance
4	Mr. Srinivasa Rao	AGM - Materials
5	Mr. Chinmay Mohanthy	AGM - Quality

	Coromandel International Limited, Visakhapatnam Integrated Management System (IMS) Manual Quality, Environment and Occupational Health & Safety & Energy (QHSEE)			 murugappa
	Mock drill Report			
Document Ref:	IMS-F-11	Version Control:	Version-II, Rev: 00 dt. 23/01/2023	Page 3 of 7


6	Mr. Narayana Pathrudu	CSO
7	Mr. Sarma	Sr. Mgr. - PSMS
8	Mr. Shunmuga Sundaram-S	AGM - Operations
9	Mr. Santosh Reddy G	Mgr.-Fire
10	Mr. Srinivas Pithani	Sr.Mgr. - Inspection

Time Log of MOCK EXERCISE:

Time (Hrs.)	At the Incident Location i.e., at Sulphur Godown
11:25	- While Loading of Phosphoric Acid Tanker from Phosphoric Acid Tank 2 at Tanker loading Platform
11:28	- During Loading Activity Major Phosphoric Acid leak observed from flange joint.
11:29	- 02 of the contract workmen who were present and performing the task of loading activity were exposed to toxic inhalation.
11:29	- By observing the leak, Mr. B Thrinadh Rao and communicate about Leak incident to Area Head Mr. Gopal on the Telephone.
11:30	- Incident Controller dials 111 and wearing multi gas cartridge mask went for incident location to check the situation.
11:31	- Seeing the Phosphoric Acid leak propagating at a very fast rate, Incident Controller immediately informed to Shift Superintendent and siren was not activated due to localized mock drill.
11:40	- Visakhapatnam Port Trust Fire crew along with First Fire tender reached at site and reported to incident controller.
11:42	- On the instruction of Incident controller Fire & ERT Team Rescued 02 no. victim (who was lying inside Fire prone area) on Fire Man Rescue Method and two men carry method.
11:43	- Fire crew connected fire hoses and started spraying water on for Controlling the Fumes.
11:52	- CIL Ambulance reached at site and reported to incident controller.
11:53	- CIL Fire crew along with Fire tender reached at site and reported to incident controller.
11:53	- Mr. Shunmuga Sundaram S has arrived at the spot and taken charge of the Chief Incident controller and briefed the situation to the Chief Emergency Controller through Telephonically.
11:59	- Mr.Nagaraju D, EHS-HOD coordinated with the safety officer at the incident site regarding causalities. PPE availability, and the LEL concentration and updated the same to Chief Emergency Controller.
12:05	- Leak was observed to be coming slowly under control.
12:06	- Leak was found to be doused completely.

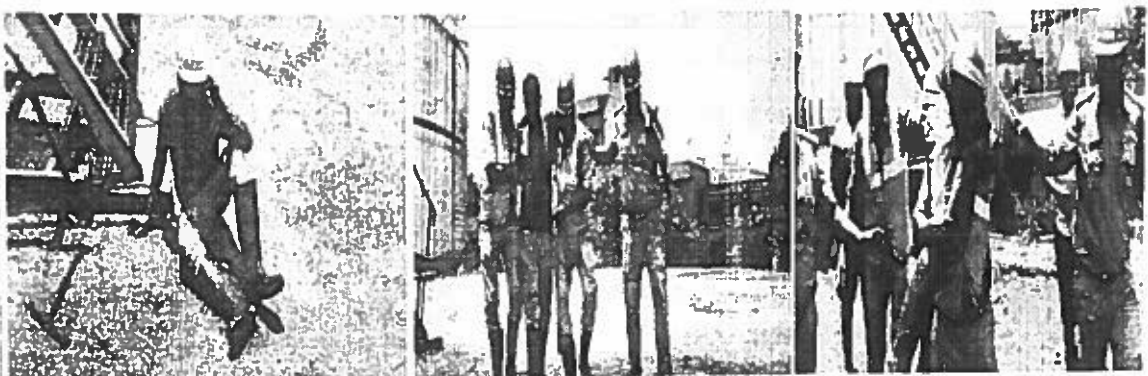
	<p align="center">Coromandel International Limited, Visakhapatnam Integrated Management System (IMS) Manual Quality, Environment and Occupational Health & Safety & Energy (QHSEE)</p> <p align="center">Mock drill Report</p>			
Document Ref:	IMS-F-11	Version Control:	Version-II, Rev: 00 dt. 23/01/2023	Page 4 of 7

12:08	- Chief Incident Controller instructed Shift Safety Officer to measure LEL concentration in that area.
12:09	- Shift safety officer measured the LEL concentration and informed to chief incident controller as 00 ppm.
12:10	- Chief Incident Controller conveyed same to Chief Emergency Controller.
Time (Hrs.)	At the OHC
11:30	- Emergency telephone ring observed.
11:30	- Dr. Uday Immediately Informed to send ambulance to the incident site.
11:31	- Ambulance with OHC staff rushed to incident spot.
11:38	- HR representative Mr. R. Srinivasa Rao arrived at OHC and met Dr. Uday.
12:30	- An ambulance arrived at the OHC carrying the victim, 02 contract worker of VST. It took 1 minute to position the vehicle. Victim found on oxygen with continuous eye eash.
12:32	- Dr. Uday checked the condition of the patient and after confirmed he is conscious. Victim brought down on stretcher and shifted inside OHC
12:34	- Victim Shifted on bed and checked for any wounds. Dr. Uday interreacted with victim and confirmed no severity, suspected 1 st Degree burns
12:36	- Dr. Uday got call from VST in-charge, Mr. Gopal for enquiring the condition of victims
Time (Hrs.)	At Emergency Control room & Fire Station
11:31	- Fire tender moved towards incident area and Ambulance started from OHC
11:38	- All HODs (R Srinivasa Rao, K Jaganathan, Ranganayakulu, K Srinivasan) arrived to ECC.
11:45	- Mr. Jaganathan K briefed about the incident & informed about injury of 1 person at site
11:46	- Mr. Jaganathan K (CEC) arrived at ECC
11:48	- Safety officer at site described to Safety head about the situation at site and also the water pressure was 6.5kg
11:49	- Continues message passed from safety officer regarding the Leakage arresting at site
11:52	- HR head got information of total head count at Gate of VST.
12:10	- Safety head received the message that leak is under control & LEL came down to zero
12:11	- Incident Controller informed that Leak is completely Controlled and everything is under control
12:11	- After thoroughly checking the incident area All clearance given

	<p align="center">Coromandel International Limited, Visakhapatnam</p> <p align="center">Integrated Management System (IMS) Manual Quality, Environment and Occupational Health & Safety & Energy (QHSEE)</p> <p align="center">Mock drill Report</p>			 murugappa
Document Ref:	IMS-F-11	Version Control:	Version-II, Rev: 00 dt. 23/01/2023	Page 5 of 7



Photos:

**PERSON EXPOSED TO FUMES AND FELL DOWN AT VST AREA & SHIFTING TO
SAFE LOCATION**



**INCIDENT CONTROLLER AND EMERGENCY SERVICES REACHED AT INCIDENT
SITE**

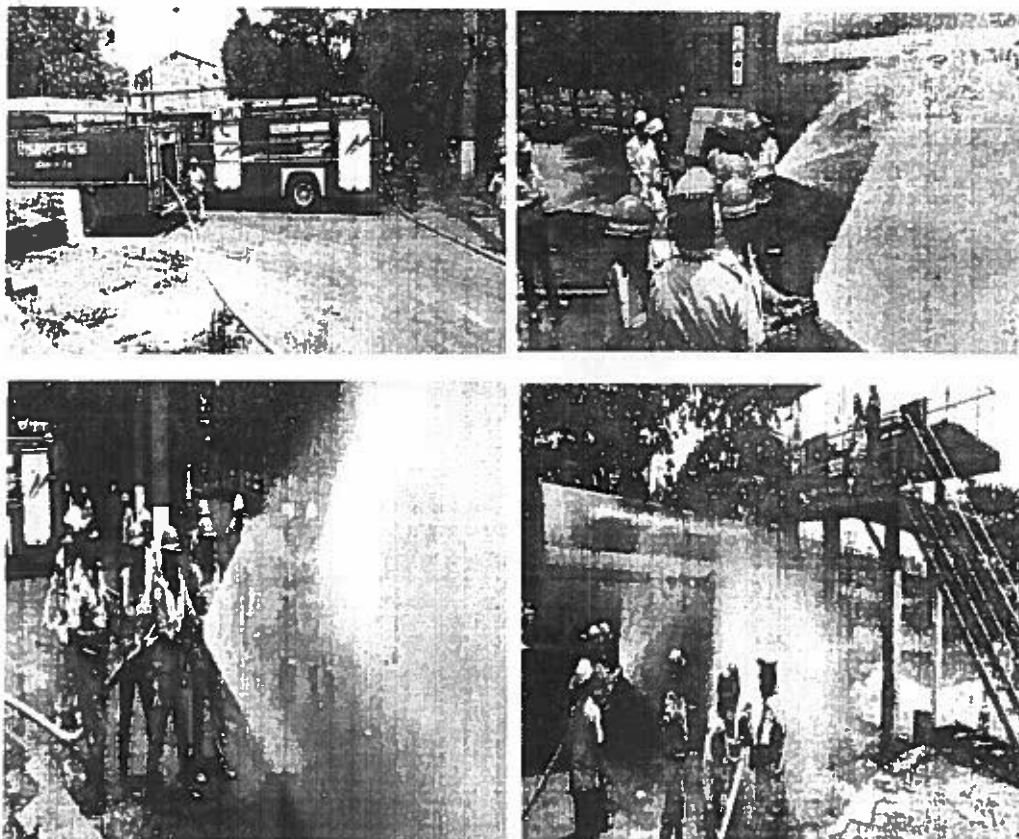



	<p align="center">Coromandel International Limited, Visakhapatnam</p> <p align="center">Integrated Management System (IMS) Manual Quality, Environment and Occupational Health & Safety & Energy (QHSEE)</p> <p align="center">Mock drill Report</p>			
Document Ref:	IMS-F-11	Version Control:	Version-II, Rev: 00 dt. 23/01/2023	Page 6 of 7

VICTIM RESCUE HAS BEEN CARRIED OUT FROM INCIDENT SITE

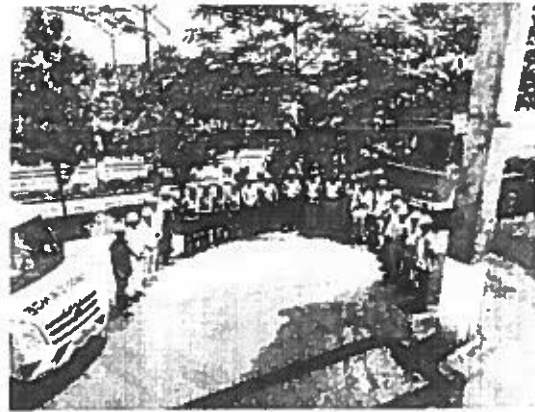


WATER SPRAY OPERATION STARTED BY FIRE & ERT TEAM



	Coromandel International Limited, Visakhapatnam Integrated Management System (IMS) Manual Quality, Environment and Occupational Health & Safety & Energy (QHSEE)			 murugappa
	Mock drill Report			
Document Ref:	IMS-F-11	Version Control:	Version-II, Rev. 00 dt. 23/01/2023	Page 7 of 7

SITE EVACUATION & INCIDENT BRIEFING



Noteworthy Points:

1. As per emergency preparedness plan rescue team and Emergency vehicles (Fire Tenders & Ambulance) reached at site within short period of time.
2. The mock drill was conducted during break time. VST Plant staff, fire safety and security response times were observed good and appreciable.
3. VPT Emergency team reached the spot by donning of SCBA with Proximity Suit set and rescued the injured person within short period of time.
4. Sufficient fire extinguishers were available near VST area and all were in working condition.
5. Good teamwork observed throughout execution of the mock drill. Workers working at the location evacuated properly by ERT team and sent to assembly point.
6. Assembly point at site was found to be used. ERT team participation was found good. They coordinated well with the departmental ERT team and the situation was brought under control.

OBSERVATIONS MADE/DECISION TAKEN AT THE MEETING :

S. NO	OBSERVATIONS	
	SCOPE FOR IMPROVEMENT POINTS	Responsibility and Target date
1	Siren were not available for VST area.	Mr. Gopal M
	Action plan: Low range siren at GFCL - VST to handle any emergency Shall be provided to the Terminal area.	Target date: 30.10.2023

EHS2-Vizag-Coromandel

From: Nagarjuna-P-Mgr-EHS-Vizag-Coromandel
Sent: 28 March 2024 16:09
To: rovspappcb@gmail.com
Cc: Nageswara Rao G-AsstMgr-EHS-Vizag-Coromandel; Subhradip Mondal-Mgr-Environment-Vizag-Coromandel; EHS2-Vizag-Coromandel; Vinod Kumar Mishra-Sr.GM-EHS-Vizag-Coromandel; Nagaraju D-AGM-EHS-Vizag-Coromandel
Subject: Submission of Mock Drill Report - VST Terminal, CIL, Vizag
Attachments: Mock drill VST.pdf

Dear Sir,

This is to kindly inform you that we have submitted the Mock Drill report (Conducted on 30.08.2023) by VST Terminal, Coromandel International Limited, Visakhapatnam to the Factories Department Dated on 27.09.2023 and acknowledge received.

The same acknowledgement copy, we are submitting to your good selves as part of Schedule-C condition number 09 in CFO order no: 7055/APPCB/ZO-VSP/CFO/VSP/2021 Dt:01.11.2021

This is for your kind information & Records.

Regards,
Nagarjuna P
Manager-Environment
9100443439
SAVE ENVIRONMENT SAVE LIFE

Coromandel International Limited
Post Box No. 1116, Sriharipuram, Malkapuram Post
Visakhapatnam - 530 011, Andhra Pradesh, India
Tel : 91-891-2578400
DID : 91-891-2893+Extn No
Website : www.coromandel.biz
CIN : L24120AP1961PLC000892
GSTIN : 37AAACC7852K1ZC

EHS/APPCB/2024-065

June 20th, 2024

To,
The Environmental Engineer,
A.P. Pollution Control Board,
O.No. 33-26-14 D/2,
Near Sunrise Hospital,
Pushpa Hotel Centre,
Chalamalavari Street,
Kasturibaipet, Vijayawada - 520010

Sir,

**Sub: Coromandel International Limited, Shriharipuram, Malkapuram (post),
Visakhapatnam (d) - Submission of Annual report (in Form-IV) as per Bio-Medical Waste
Management Rules, 2016 -Regarding.**

Ref. BMW Authorization order No: PCB/ROVSP/BMW/HCE-348/2022-593 Date: 23/02/2022.

With reference to the above subject, please find here with the enclosed annual report (in Form-IV) pertaining to the period from 1st January 2023 to 31st December 2023 for your perusal and records.

Kindly acknowledge the receipt of same.

Thanking you,

Yours faithfully,
For Coromandel International Limited.

James M. Smith

Gnanasundaram M
VP- Head Manufacturing

~~NAT~~
NAG/DNR

Encl. As above

CC to: The Environmental Engineer, APPCB, Regional Office, Visakhapatnam

Registered Office : Coromandel House, 1-2-10
Sardar Patel Road, Secunderabad-500 003
Telangana, India

Tel : 91 40 27942034 / 27947212
A : 91-40-27944117
E-mail : mail@coromandelmiruyappa.com



murugappa

EHS2-Vizag-Coromandel

From: Nagarjuna-P-Mgr-EHS-Vizag-Coromandel
Sent: 22 June 2024 12:39
To: 'rovspappcb@gmail.com'
Cc: EHS2-Vizag-Coromandel; Nageswara Rao G-AsstMgr-EHS-Vizag-Coromandel; Subhradip Mondal-Mgr-Environment-Vizag-Coromandel; Nagaraju D-AGM-EHS-Vizag-Coromandel; Vinod Kumar Mishra-Sr.GM-EHS-Vizag-Coromandel
Subject: Reg. Submission of Bio medical waste annual report of form-iv for the period of April 2023- Mar 2024
Attachments: Bio-Medical Waste Annual Report (Form - IV).pdf

Dear Sir,

Herewith submitting Bio medical waste annual report of form-iv for the period of April 2023- Mar 2024 by Coromandel International Limited, Visakhapatnam.

Same original copy along with backup documents send to head office, Vijayawada through register post.

Same copy again submitted to your regional office , Visakhapatnam on 21.06.2024 as per your instruction.

Regards,
Nagarjuna P
Manager-Environment
9100443439

SAVE ENVIRONMENT SAVE LIFE

Coromandel 
FUTURE POSITIVE
Coromandel International Limited
Sriharipuram, Malkapuram PO
Visakhapatnam-530 011
Andhrapradesh, India.
F: +91 891-2578400
W: www.coromandel.biz
A MURUGAPPA GROUP COMPANY

EHS\DGFT\2024- 038

30- 04- 2024

To,
The Director General of Foreign Trade
Ministry of Commerce
Udyog Bhavan
New Delhi

Dear Sir,

Sub: Rule No. 18 of MSI HC Rules – Information about Import of Hazardous Chemical for the month of May - 2024 - Reg.

This has reference to the above subject. As per the Rule 18 of Manufacture, Storage, and Import of Hazardous Chemicals Rules, 1989, we are herewith submitting the "Import of Hazardous Chemicals data for the month of May - 2024 in the prescribed format for your kind information.

Thanking you,

Yours faithfully,

for Coromandel International Limited, Visakhapatnam


D. Nagaraju
AGM - EHS


NAG

Enc: a/a

Cc: The Dy. Director General of Foreign Trade, Visakhapatnam-530016
The Jt. Chief Inspector of Factories, Visakhapatnam-530013
The Member Secretary, Vijayawada-520010
The Environmental Engineer, Visakhapatnam- 530018

Annexure-01

LIST OF IMPORT MATERIALS**List of Materials expected to arrive in the month of April ' 2024**

S.No	Vessel	Name of the material	Appx. Qty in MT	Tentative Date	Load port	Remarks
1	Sulphur Guardian - 263	MOLTEN SULPHUR	12499.851	02-Apr-24	CHIBA, JAPAN	COMPLETED
2	MARIANNA GLORY	AMMONIA	5,000	10-Apr-24	MALYSIA	COMPLETED

Annexure-02

LIST OF IMPORT MATERIALS

List of Materials expected to arrive in the month of May ' 2024

S.No	Vessel	Name of the material	Appx. Qty in MT	Tentative Date	Load port	Remarks
1	SEATEAM	AMMONIA	10500	01-May-24	RAS AL KHAIR, SAUDI ARABIA	EXPECTED
2	RABIGH SUNSHINE	SULPHURIC ACID	18,500.25	06-May-24	NAOSHIMA, JAPAN	EXPECTED
3	PVT JUPITER	SULPHURIC ACID	19,000.00	17-May-24	ULSAN, KOREA	EXPECTED
4	OGINO PARK	PHOS ACID	9100.576	09-May-24	LA SHIKRA, TUNISIA	EXPECTED
5	Sulphur Guardian - 264	MOLTEN SULPHUR	10500	17-May-24	CHIBA, JAPAN	EXPECTED

Coromandel Fertilisers Ltd.,
Process Safety Information
Material Safety Data sheets
Ammonia

Psms/Msds/001/Rev0
Page 1 of 3

1. CHEMICAL IDENTITY

Chemical Name AMMONIA : Chemical Classification Inorganic compound
 Synonyms Liquid Ammonia, Ammonia gas, :
 Ammonia Anhydrous : Trade Name

Formula NH₃ : C.A.S. No. 7664-41-7 : U. N. No.1005

Regulated Identification : Shipping Name Ammonia : Hazchem Code 2 P E
 : Codes / Label Non-flammable gas, Class 2 :
 : Hazardous waste ID No 17

Hazardous Ingredients	C.A.S. No	Hazardous Ingredients	C.A.S. No.
1. Ammonia	7664-41-7	3.	
2.		4.	

2. PHYSICAL / CHEMICAL DATA

Boiling Pt / Range -33.4°C : Physical state Liquefied compr. gas : Appearance Colorless
 : Vapor Pressure : Odour Strong pungent
 Melting / Freezing Pt -77.77°C : 7600mm Hg at 25.7°C : odour
 Vapor Density 0.60 : Solubility : Others
 (Air = 1) : in water at 30°C very soluble : Moderately soluble in
 Specific Gravity 0.771 at 0°C : soluble : alcohol
 (Water = 1) : pH 1N aq. Sol. 11.6

3. FIRE / EXPLOSION HAZARD DATA

Flammability No : LEL : 16.0% : Flash point(°C) Not pertinent
 TDG Flammability NA : UEL: 25.0% : Flash Point (°C) Not pertinent

Auto Ignition Temperature (°C) : 651.0
 Explosion sensitivity to impact : Stable
 Explosion sensitivity to static Electricity : Not available
 Hazardous Combustion Products : Emits toxic fumes of NH₃ & NOx.
 Hazardous Polymerization : Will not occur

Combustible Liquid Yes : Explosive Material No : Corrosive Material No
 Flammable Material No : Oxidizer No : Others
 Pyrophoric Material No : Organic Peroxide No :

4. REACTIVITY DATA

Chemical Stability : Stable
 Incompatibility : Strong Oxidizers, Calcium Hypochlorite, Gold, Mercury
 : Silver, Halogens, Acetaldehyde, Acrolein
 With other material :

Reactivity : Reacts with Silver Chloride, Silver Nitrate, Silver Azide. Reacts with
 Chlorine, Bromine, Iodine, heavy metals and other compounds.
 Incandescent reaction when heated with Calcium.
 Hazardous reaction products : Reaction with AgCl, AgNO₃, Silver Azide and Silver Oxide forms
 explosive Silver Nitride.

Psms/Msds/001/Rev0
Page 2 of 3

Routes of entry	: Inhalation, Skin or Eyes.
Effects of	: 700PPM causes eye irritation and permanent injury may result if prompt
Exposure / Symptoms	: medical remedial measures are not taken. 5000PPM may cause death from : spum inflammation, or edema of the larynx. Contact of the liquid with skin, : freezes the tissues and causes caustic burns.
Emergency Treatment	: Inhalation-Remove the victim to fresh air area and provide artificial respiration : or Oxygen, if necessary. : Skin & Eyes-Wash the effected area for 15min. with plenty of water. Seek : medical aid immediately.

NFPA Hazard Signals	: Health : 2	: Flammability : 1	: Reactivity : 0	: Special : -
---------------------	-----------------	-----------------------	---------------------	------------------

Personal : Provide rubber boots, safety goggles, self-contained breathing apparatus, gas mask and
Protective : protective over clothing in case of liquid Ammonia.
Equipment :

Handling & Storage	: Avoid storing along with oxidizing materials. Store in well-ventilated area, away from all possible sources of ignition and in flame resistant locations.
Precautions	:

FIRE : Fire Extinguishing: Stop flow of gas. Use water spray or fog.
: Media

: **Special Procedure:** Keep the containers cool by spraying water if exposed to heat/flame.
: **Unusual Hazards :** Gas is suffocating.

EXPOSURE : First Aid Measures : Inhalation-Remove the victim to fresh air area and provide artificial respiration or Oxygen, if necessary.
: Skin & Eyes-Wash the effected area for 15min. with plenty of water. Seek medical aid immediately.

: Antidotes / Dosages: Not available.

SPILLS	: Steps to be taken	: Contain leaking liquid on stand or earth, allow to evaporate.
		: Dilute the vapors with plenty of water.
	: Waste Disposal Method	: Seal all waste in vapor tight plastic bags for eventual disposal.

LCLO:3000PPM/5M (ihl-hmn). A human poison by an unspecified route. Difficult to ignite. NH₃ & air in a fire can detonate. Potentially violent or explosive reactions on contact with interhalogens. Forms sensitive explosive mixtures with air & hydrocarbons. Those effected with eye and pulmonary diseases should avoid exposure to Ammonia.

**Coromandel Fertilisers Ltd.,
Process Safety Information
Material Safety Data sheets
Ammonia**

**Psms/Msds/001/Rev0
Page 3 of 3**

9. MANUFACTURERS / SUPPLIERS DATA

NAME OF FIRM
MAILING ADDRESS

Contact person
in Emergency
Local Bodies involved

TELEPHONE NOS
TELEX NOS
TELEGRAPHIC ADDRESS

Standard Packing
Tremcard Details/Ref
others

10. DISCLAIMER

Information contained in this material data sheet is believed to be reliable, but no representation, guarantee or warranties of any kind are made as to its accuracy, suitability for & particular application or results to be obtained from them. It is upto the manufacturer/seller to ensure that the information contained in the safety data sheet is relevant to the product manufactured / handled or sold by him as the case may be. I.C.M.A makes no warranties expressed or implied in respect of the adequacy of this document for any particular purpose.

ICMA – 1999

1. CHEMICAL IDENTITY

Chemical Name - PHOSPHORIC ACID : Chemical Classification - Inorganic Acid
 Synonyms - Orthophosphoric Acid :
 : Trade Name

Formula	: C.A.S. No.	: U. N. No. 1805
H3PO4	: 7664-38-2	
Regulated Identification	: Shipping Name : Phosphoric Acid	Hazchem Code : 2 R
	: Codes / Label : Corrosive Class 8	
	: Hazardous Waste ID No. 16	

HAZARDOUS INGREDIENTS : C.A.S. No. : HAZARDOUS INGREDIENTS :

1. Phosphoric Acid	7664-38-2	3.
2.		4.

2. PHYSICAL / CHEMICAL DATA

Boiling Pt / Range °C	130°C	: Physical state Thick Liq. Solid	: Appearance - Colorless
		: Vapor Pressure @35°C :	
Melting / Freezing Pt °C	42.4°C	: 0.286 mm Hg at 20°C	: Odor - Plesing
Vapor Density	Not available	: Solubility	: Others - Soluble in
(Air = 1)		: in water at 30°C insoluble.	: alcohol
Specific Gravity	1.892 at	: pH 1.5 (0.1N)	
(Water = 1)	25°C	:	

3. FIRE / EXPLOSION HAZARD DATA

Flammability	NO	: LEL Not pertinent %	: Flash Point °C Not pertinent
TDG Flammability	NA	: UEL Not pertinent %	: Flash Point °C Not pertinent

Autoignition Temperature °C	: Not pertinent
Explosion sensitivity to impact	: Stable
Explosion sensitivity to static electricity	: Data not available
Hazardous Combustion Products	: Emits toxic fumes of Pox
Hazardous Polymerization	: Will not occur

Combustible Liquid	No	: Explosive Material	No	: Corrosive Material YES
Flammable Material	No	: Oxidizer	No	: Others
Pyrophoric Material	No	: Organic Peroxide	No	

4. REACTIVITY DATA

Chemical Stability	: Stable
Incompatibility	: Strong Caustics, most metals
With other material	:

Reactivity : Potentially violent reaction with sodium tetrahydroborate.

Hazardous	: Reacts with chlorides + stainless steel, to form explosive hydrogen gas.
Reaction Products	: Forms explosive mixture with nitromethane

**Coromandel Fertilisers Ltd.,
Process Safety Information
Material Safety Data Sheets
Phosphoric Acid**

**Psms/Msds/003/Rev0
Page 2 of 3**

5. HEALTH HAZARD DATA

Routes of entry : Ingestion, Inhalation, Eyes & skin

Effects of Exposure / Symptoms : Causes burns of mouth and lips, sour acid taste, severe gastrointestinal irritation, anuses, vomiting bloody diarrhea, difficult swallowing, severe abdominal pain, thirst, academia, difficult breathing, convulsions, collapse shock and death.

Emergency Treatment : Ingestion: Do not induce vomiting. Give water, milk or vegetable oil. Skin & Eyes: Flush with water for at least 15 mins. Seek Medical Aid.

LD ₅₀ (oral-rat)		mg/kg	1530	:	STEL	0.75	PPM	3 mg/m ³
Permissible Exposure	0.25	PPM		:	mg/m ³		Odor Threshold	PPM N. A mg/m ³
TLV (ACGIH)	0.25	PPM		:	mg/m ³		Available	

NFPA Hazard	:	Health	:	Flammability	:	Reactivity	:	Special
Signals	:	2	:	not listed	:	not listed	:	

6. PREVENTIVE MEASURES Avoid contact with liquid or vapors

Personal : Provide face shield, rubber hand gloves, and protective over clothing and shoes.

Protective :

Equipment :

Handling : Store in a dry, cool and well-ventilated area, away.

& Storage :

Precautions :

7. EMERGENCY / FIRST AID MEASURES

FIRE : FIRE EXTINGUISHING : Not flammable
: Media :

: Special Procedures

: Keep the containers cool by spraying water if exposed to heat or flame

: Unusual Hazards

: Flammable gas is produced on contact with metals

EXPOSURE : First Aid Measures

: If ingested, do not induce vomiting. Give milk, water and vegetable oil. If skin and eyes are affected, flush with plenty of water. Seek Medical Aid immediately.

: Antidotes / Dosages

: Not available

SPILLS : Steps to be taken

: Neutralize with alkali and dilute and drench with water

:

: Waste Disposal Method

: Seal all the waste in vapor tight plastic bag for eventual disposal.

8. ADDITIONAL INFORMATION / REFERENCES

A Human poison by an unspecified route. Toxic by ingestion and skin contact. Used in the manufacture of Fertilisers, detergents, food beverages and for water treatment.

9. MANUFACTURERS / SUPPLIERS DATA

NAME OF FIRM	Contact person
MAILING ADDRESS	in Emergency
TELEPHONE / TELEX NOS	Local Bodies involved
TELEGRAPHIC ADDRESS	Standard Packing
	Tremcard Details / Ref Others.
	Others

10. DISCLAIMER

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ICMA - 1999

Coromandel Fertilisers Ltd.,
Process Safety Information
Material Safety Data Sheets
Sulfuric Acid

Psms/Msds/002/Rev0
Page 1 of 3

1. CHEMICAL IDENTITY

Chemical Name **SULFURIC ACID** : Chemical Classification **Inorganic compound**
 Synonyms **Oil of vitreol, Battery Acid,** :
Chamber acid, spent Sulfuric Acid. : Trade Name

Formula **H₂SO₄** : C.A.S. No. **7664-93-9** : U. N. No. **1830**

Regulated Identification : Shipping Name: **Sulfuric Acid** : Hazchem Code: **2 P**
 : Codes / Label : **Corrosive, Class 8**
 : Hazardous Waste ID No. **16**

Hazardous Ingredients : C.A.S. No. : Hazardous Ingredients : C.A.S. No.

1. Sulfuric acid 7664-93-9 : 3.
 2. : 4.

2. PHYSICAL / CHEMICAL DATA

Boiling Pt / Range °C **290°C** : Physical state **liquid** : Appearance **Colorless,oily**
 : Vapor Pressure : Odour **Odourless**
 Melting / Freezing Pt °C **10.3°C** : **1mm Hg at 145°C** :
 Vapor Density **Not available** : Solubility : Others **Miscible in alcohol**
 (Air = 1) : **in water at 30°C miscible**
 Specific Gravity **1.84 at 20°C**
 (Water = 1) **liquid** : pH **<1**

3. FIRE / EXPLOSION HAZARD DATA

Flammability **No** : LEL **Not Pertinent** % : Flash point (°C) **Not pertinent**
 TDG Flammability **N.A:** UEL **Not Pertinent** % : Flash Point (°C) **Not Pertinent**

Autoignition Temperature °C : **Not Pertinent**
 Explosion sensitivity to impact : **Stable**
 Explosion sensitivity to static Electricity : **Stable**
 Hazardous Combustion Products : **Emits toxic fumes of Sox.**
 Hazardous Polymerization : **Will not occur**

Combustible Liquid **No** : Explosive Material **No** : Corrosive Material **Yes**
 Flammable Material **No** : Oxidizer **Yes** : Others
 Pyrophoric Material **No** : Organic Peroxide **No** :

4. REACTIVITY DATA

Chemical Stability : **Stable**
 Incompatibility : **Organic Chlorates, Carbides, Fulminates, Picrates, and metals**
 With other material :

Reactivity : **Powerful acidic oxidizer, ignites or explodes on contact with many materials like Acetic acid, Acetone cynohydrin, (Acetone+HNO₃), (Acetone+K₂Cr₂O₇), Acetonitrile, Acrolein, Acrylonitrile.**

Hazardous reactions : **Reacts with many metals to form flammable H₂ gas which forms explosive mixtures with air.**

Products : **Reacts with water to produce heat and toxic and corrosive fumes**

Coromandel Fertilisers Ltd.,
Process Safety Information
Material Safety Data Sheets
Sulfuric Acid

Psms/Msds/002/Rev0
Page 2 of 3

5. HEALTH HAZARD DATA

Routes of entry : Inhalation, Ingestion, Skin, and Eyes

Effects of Exposure / symptoms : Inhalation of vapors from hot conc. acid may injure lungs, cause bronchitis. Swallowing may cause injury or death. Contact with skin or eyes causes severe burns. Very dilute solution causes dermatitis. Exposure causes bronchitis.

Emergency Treatment : Observe the victim for delayed pulmonary reaction. Move him to fresh air area. Give artificial respiration or oxygen if needed. Skin-Remove the contaminated clothes and shoes. Do not use oil or ointment. Wash the affected area with plenty of water and soap. Eyes-wash with plenty of water for 15 min. Investigation-Have the victim drink plenty of water. Do not induce vomiting. Seek medical aid.

LD ₅₀ (oral-rat)	mg/kg	2140	: STEL	PPM Not Listed	mg/m ³
	PPM	1	mg/m ³	: Odour Threshold > 0.25	PPM > 1 mg/m ³
TLV (ACGIH)	PPM	1	mg/m ³	:	

NFPA Hazard	: Health	: Flammability	: Reactivity	: Special
Signals	: 3	: 0	: 2	:

6. PREVENTIVE MEASURES Avoid contacts with liquid. Do not eat or drink at the work place.

Personal protective equipment : Provide safety shower, eye wash basins, safety goggles, or face shield, respirator (self-contained or line), rubber hand gloves, shoes and apron.

Handling : Store in a cool, dry and well ventilated area, away from oxidizers. Acids of 98% conc.
 & Storage : are stored in MS or C.I. tanks/drums.
 Precautions :

7. EMERGENCY / FIRST AID MEASURES

FIRE : Fire Extinguishing- Dry chemical or CO₂ Do not use water.
 : Media

: Special Procedure: Keep the containers cool by spraying water if exposed to heat /flame
 : Unusual Hazards : Poisonous gases are produced.

EXPOSURE : First Aid Measures : Inhalation-Remove the victim to fresh air area, provide artificial respiration or oxygen if required. If eyes are effected, wash with plenty of water for 15 min or more. If skin is effected, remove the contaminated clothes and shoes and wash the effected area with plenty of water and soap. Seek medical aid immediately for all types of exposure.

: Antidotes / Dosages: Not available

SPILLS : Steps to be taken: Shut off leaks if without risk. Contain the spillage on sand or earth. Do not absorb on sawdust or other combustibles.
 : Waste Disposal Method : Seal all the waste in vapor tight plastic bags for eventual eventual disposal.

**Coromandel Fertilisers Ltd.,
Process Safety Information
Material Safety Data Sheets
Sulfuric Acid**

**Psms/Msds/002/Rev0
Page 3 of 3**

8. ADDITIONAL INFORMATION / REFERENCES

A common air contaminant. Sensitive to sulfuric acid mists or vapors vary with individuals. Normally 0.125-0.5 PPM may be mildly annoying, 1.5-2.5 PPM may definitely be unpleasant, 10-20 PPM unbearable. Contact with water creates violent reaction, generating much heat and splattering of hot acid. Attacks many Metals, liberating H₂ gas, which is an inflammable and forms explosive mixture with air.

9. MANUFACTURERS / SUPPLIERS DATA

NAME OF FIRM	Contact person
MAILING ADDRESS	in Emergency
	Local Bodies involved
TELEPHONE NOS	standard packing
TELEX NOS	Tremcard details/Ref
TELEGRAPHIC ADDRESS	Others

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SHIPPER EHS-HOD CIL, Vsp-II	ORIGIN MLK	DESTN VSP	DATE 02/05/24
CONSIGMENT NOTE NUMBER 161	CONSIGNEE The Dy Director- General of foreign Trade, 8th priya complex, Railway New colony, Vsp-530013		No. of Pieces
* G W K 5 0 3 3 7 7 *	DESCRIPTION OF CONTENTS (SAID TO CONTAIN)		WEIGHT 100g
	DECLARED VALUE		Weight Charges /
I hereby declare that this Consignment does not contain Personal Mail of any kind, any Contrabands, CASH, Jewellery etc.		GSTIN @ 18%	
SENDER'S NAME AND SIGNATURE Received by consignee in good order		TOTAL A/c	
NAME AND SIGNATURE Received by THE PROFESSIONAL COURIERS		CREDIT	
THE PROFESSIONAL COURIERS 40-8-3 JAGGAMMA COMPLEX, MAIN ROAD, NEW GAJUWAKA, VISAKHAPATNAM-530026 (AP). Email: gwkt@tpcglobe.co.in gwktpc@gmail.com GAJUWAKA : 7799870599, STEEL PLANT : 7799870799 MALKAPURAM : 7799870699		This is a Non negotiable Consignment Note Subject to Standard Conditions of Carriage. Carrier's liability limited to Rs. 100/- per consignment for any cause. P.T.O. for Terms & Conditions of carriage	
THANKS FOR USING THE PROFESSIONALS		CONSIGNOR COPY	


VISIT US AT <http://www.tpcindia.com>

SHIPPER EHS-HOD, CIL, Vsp-II	ORIGIN MLK	DESTN VSP	DATE 02/05/24
CONSIGMENT NOTE NUMBER 161	CONSIGNEE Environmental- Engineer, Madhavadhara- vada colony, Vsp-530018		No. of Pieces
* G W K 5 0 3 3 7 8 *	DESCRIPTION OF CONTENTS (SAID TO CONTAIN)		WEIGHT 100g
	DECLARED VALUE		Weight Charges /
I hereby declare that this Consignment does not contain Personal Mail of any kind, any Contrabands, CASH, Jewellery etc.		GSTIN @ 18%	
SENDER'S NAME AND SIGNATURE Received by consignee in good order		TOTAL A/c	
NAME AND SIGNATURE Received by THE PROFESSIONAL COURIERS		CREDIT	
THE PROFESSIONAL COURIERS 40-8-3 JAGGAMMA COMPLEX, MAIN ROAD, NEW GAJUWAKA, VISAKHAPATNAM-530026 (AP). Email: gwkt@tpcglobe.co.in gwktpc@gmail.com GAJUWAKA : 7799870599, STEEL PLANT : 7799870799 MALKAPURAM : 7799870699		This is a Non negotiable Consignment Note Subject to Standard Conditions of Carriage. Carrier's liability limited to Rs. 100/- per consignment for any cause. P.T.O. for Terms & Conditions of carriage	
THANKS FOR USING THE PROFESSIONALS		CONSIGNOR COPY	


VISIT US AT <http://www.tpcindia.com>

SHIPPER EHS-HOD CIL, Vsp-II	ORIGIN MLK	DESTN VSP	DATE 02/05/24
CONSIGMENT NOTE NUMBER 161	CONSIGNEE The Jt. Chief Inspector of factories, 50-50-35/8, Gurucharan marg, Seethammadhara, Vsp-530013		No. of Pieces
* G W K 5 0 3 3 7 9 *	DESCRIPTION OF CONTENTS (SAID TO CONTAIN)		WEIGHT 100g
	DECLARED VALUE		Weight Charges /
I hereby declare that this Consignment does not contain Personal Mail of any kind, any Contrabands, CASH, Jewellery etc.		GSTIN @ 18%	
SENDER'S NAME AND SIGNATURE Received by consignee in good order		TOTAL A/c	
NAME AND SIGNATURE Received by THE PROFESSIONAL COURIERS		CREDIT	
THE PROFESSIONAL COURIERS 40-8-3 JAGGAMMA COMPLEX, MAIN ROAD, NEW GAJUWAKA, VISAKHAPATNAM-530026 (AP). Email: gwkt@tpcglobe.co.in gwktpc@gmail.com GAJUWAKA : 7799870599, STEEL PLANT : 7799870799 MALKAPURAM : 7799870699		This is a Non negotiable Consignment Note Subject to Standard Conditions of Carriage. Carrier's liability limited to Rs. 100/- per consignment for any cause. P.T.O. for Terms & Conditions of carriage	
THANKS FOR USING THE PROFESSIONALS		CONSIGNOR COPY	

VISIT US AT <http://www.tpcindia.com>

SHIPPER EHS-HOD (161) VSP-53001	ORIGIN	MUK	GWK/VSP	DESTN	VJA	DATE	02/05/24
	CONSIGNEE The member Secretary Gurunanak Colony, Autonagar, Vijayawada- 520007					No. of Pieces	
CONSIGNMENT NOTE NUMBER						WEIGHT	100g
 * GWK503380 *						Weight Charges	/
DESCRIPTION OF CONTENTS (SAID TO CONTAIN)						DECLARED VALUE	GSTIN @ 18%
I hereby declare that this Consignment does not contain Personal Mail of any kind, any Contrabands, CASH, Jewellery etc.						TOTAL	A/c
SHIPPER'S NAME AND SIGNATURE Received by consignee in good order						CREDIT This is a Non negotiable Consignment Note Subject to Standard Conditions of Carriage. Carrier's liability limited to Rs. 100/- per consignment for any cause. P.T.O. for Terms & Conditions of carriage.	
NAME AND SIGNATURE DATE AND STAMP Received by THE PROFESSIONAL COURIERS							
THE PROFESSIONAL COURIERS 40-8-3, JAGGAMMA COMPLEX, MAIN ROAD, NEW GAJUWAKA, VISAKHAPATNAM-530026. (AP). Email: gwktpc@tpcglobe.co.in gwktpc@gmail.com GAJUWAKA : 7799870599, STEEL PLANT : 7799870799 MALKAPURAM : 7799870699						THANKS FOR USING THE PROFESSIONALS VISIT US AT http://www.tpcindia.com	

CONSIGNOR COPY

SHIPPER Cor mada. (9) EHS-HOD	ORIGIN	MUK	GWK/VSP	DESTN	delh ^e	DATE	2/05/24
	CONSIGNEE The director General, A Singh.					No. of Pieces	01
CONSIGNMENT NOTE NUMBER						WEIGHT	M
 * GWK503454 *						Weight Charges	/
DESCRIPTION OF CONTENTS (SAID TO CONTAIN)						DECLARED VALUE	GSTIN @ 18%
I hereby declare that this Consignment does not contain Personal Mail of any kind, any Contrabands, CASH, Jewellery etc.						TOTAL	A/c
SHIPPER'S NAME AND SIGNATURE Received by consignee in good order						CREDIT This is a Non negotiable Consignment Note Subject to Standard Conditions of Carriage. Carrier's liability limited to Rs. 100/- per consignment for any cause. P.T.O. for Terms & Conditions of carriage.	
NAME AND SIGNATURE DATE AND STAMP Received by THE PROFESSIONAL COURIERS							
THE PROFESSIONAL COURIERS 40-8-3, JAGGAMMA COMPLEX, MAIN ROAD, NEW GAJUWAKA, VISAKHAPATNAM-530026. (AP). Email: gwktpc@tpcglobe.co.in gwktpc@gmail.com GAJUWAKA : 7799870599, STEEL PLANT : 7799870799 MALKAPURAM : 7799870699						THANKS FOR USING THE PROFESSIONALS VISIT US AT http://www.tpcindia.com	

CONSIGNOR COPY

EHS/APPCB/2024-24

28th March 2024

To,

Environmental Engineer
A.P. Pollution Control Board
Regional Office
Visakhapatnam – 530 018

Sub: Submission of safety audit report by Coromandel International Limited,
Visakhapatnam –Reg.

Ref: Special condition number 49 in CFO order no: APPCB/VSP/VSP/65/CFO/HO/1967
Dt:04.08.2023 and Special condition number 27 in wharf area CFO order no:
APPCB/VSP/VSP/65/HO/CFO/2020 Dt:23.12.2020.

Dear Sir,


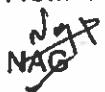
This is bringing to your kind information that, we have submitted the safety audit report
by Coromandel International Limited, Visakhapatnam to the Factories Department Dated
28.12.2023 and acknowledge received.

The same acknowledgement copy, we are submitting to your good selves as part of
general condition number 49 in CFO order no: APPCB/VSP/VSP/65/CFO/HO/1967
Dt:04.08.2023 and Special condition number 27 in Wharf area CFO order no:
APPCB/VSP/VSP/65/HO/CFO/2020 Dt:23.12.2020.

Hence you are requested to acknowledge receipt of the report.

Yours Truly

For Coromandel International Limited, Visakhapatnam


Mr. Nagaraju D
AGM- Head of EHS Department.


Enclosure: Annexure:01 Safety audit report.

18-12-2023

EHS/DCIF/2023-24/DEC-03

To

The Deputy Chief Inspector of Factories,
Door No. 50-50-35/8, Guru Charan Marg,
BS Lay Out, Seetammadhara,
Visakhapatnam - 13.

Subject: Factories Act 1948 - Submission of Annual Safety Audit Report and compliance status

Dear Sir,

As per Factories Act 1948, We have conducted a safety audit for our plant by external competent audit team. Here we are enclosing a copy of the Annual Safety Audit Report and the compliance status for your ready reference.

Thanking you,

Yours faithfully,
for Coromandel International Limited,

M. Ganasundaram
VP & Head Manufacturing

DNR/NL

Encl: Statutory Audit Report
Compliance status report

cc: The Joint Chief Inspector of Factories.
The Inspector of Factories, Visakhapatnam.
RO, APPCB, Visakhapatnam.

EHS2-Vizag-Coromandel

From: Nagarjuna-P-Mgr-EHS-Vizag-Coromandel
Sent: 28 March 2024 16:15
To: rovspappcb@gmail.com; rovsp-ee1@appcb.gov.in
Cc: Nageswara Rao G-AsstMgr-EHS-Vizag-Coromandel; Subhradip Mondal-Mgr-Environment-Vizag-Coromandel; EHS2-Vizag-Coromandel; Vinod Kumar Mishra-Sr.GM-EHS-Vizag-Coromandel; Nagaraju D-AGM-EHS-Vizag-Coromandel
Subject: Submission of external safety audit report of Wharf and Main Plant - CIL, Vizag.
Attachments: Safety Audit Report.pdf

Dear Sir,

This is to kindly inform you that we have submitted the 3rd party safety audit report of Wharf and Main plant -Coromandel International Limited, to the Factories Department Dated on 28-12-2023 and acknowledge received.

Special condition number 49 in CFO order no: APPCB/VSP/VSP/65/CFO/HO/1967 Dt:04.08.2023 and Special condition number 27 in wharf area CFO order no: APPCB/VSP/VSP/65/HO/CFO/2020 Dt:23.12.2020.

This is for your kind information & Records.

Regards,
Nagarjuna P
Manager-Environment
9100443439
SAVE ENVIRONMENT SAVE LIFE



Coromandel International Limited

Sriharipuram, Malkapuram PO

Visakhapatnam-530 011

Andhrapradesh, India.

F: +91 891-2578400

W: www.coromandel.biz

A MEMBER OF THE GILLETTE GROUP COMPANY

EHS/APPCB/2023-107

Date: 8th Dec 2023

To,
Environmental Engineer,
Regional Office,
AP Pollution Control Board,
Visakhapatnam.

Sub: Submission of Revised On-Site Emergency Plan (OSEP) -Reg.

Dear Sir,

With reference to the above subject, this is bringing to your kind information, that We (Coromandel International Limited, Visakhapatnam) have been revised our On-Site Emergency Plan (OSEP) as per section 7-A of Factories Act, 1948 & 61 (SB)-D.13 of the AP Factories Rules 1950 and schedule -II, Rule no. 13 of the Manufacture, Storage and Import of Hazardous Chemicals Rules 1989.

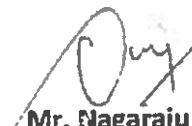
As you are being the regulatory body of our organizational activities, it is our responsibility to share our organization On-Site Emergency Plan (OSEP) to your kind information.

Hence you are requested to accept the copy of On-Site Emergency Plan (OSEP) & acknowledge the receipt of the same.

Thanking you,

Yours Faithfully,

For **COROMANDEL INTERNATIONAL LIMITED**


Mr. Nagaraju D
AGM- Head of EHS


NAG

Encl: Copy of On-Site Emergency Plan (OSEP)

EHS/IF/22-23/04

27/03/2023

To,

The Inspector of Factories
50-50-35/8, Gurucharan Marg,
Seethammadhara,
Visakhapatnam - 530013.

Subject: Submission of On-Site Emergency Plan (Rev 01).

Dear Sir

We are herewith enclosing the revised On-Site Emergency Plan of Coromandel International Limited, Visakhapatnam for your records.

Thanking you,

For M/S Coromandel International Limited

Yours faithfully

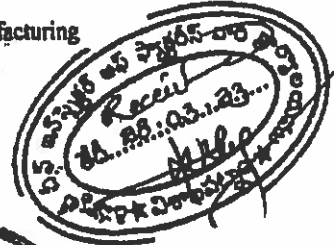
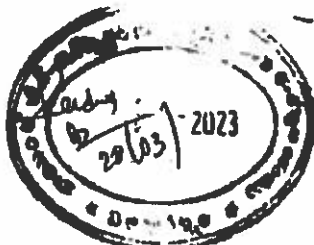

M. Gnanasundaram

VP & Head Manufacturing

NL / DNR


CC:

1. The Joint Chief Inspector of Factories
2. The Dy. Chief Inspector of Factories, Visakhapatnam.



EHS2-Vizag-Coromandel

From: Nagarjuna-P-Mgr-EHS-Vizag-Coromandel
Sent: 08 December 2023 14:51
To: rovspappcb@gmail.com
Cc: EHS2-Vizag-Coromandel; Subhradip Mondal-Mgr-Environment-Vizag-Coromandel; Nagaraju D-AGM-EHS-Vizag-Coromandel; Vinod Kumar Mishra-Sr.GM-EHS-Vizag-Coromandel
Subject: Submission of Revised On-Site Emergency Plan (OSEP) -Reg.
Attachments: Submission of On Site Emergency Plan .Rev 01.pdf

Dear Sir,

With reference to the above subject, this is bringing to your kind information, that We (Coromandel International Limited, Visakhapatnam) have been revised our On-Site Emergency Plan (OSEP) as per section 7-A of Factories Act, 1948 & 61 (SB)-D.13 of the AP Factories Rules 1950 and schedule -II, Rule no. 13 of the Manufacture, Storage and Import of Hazardous Chemicals Rules 1989.

As you are being the regulatory body of our organizational activities, it is our responsibility to share our organization On-Site Emergency Plan (OSEP) to your kind information.

Hence you are requested to accept the copy of On-Site Emergency Plan (OSEP) & acknowledge the receipt of the same.

Regards,
Nagarjuna P
Manager-Environment
9100443439

SAVE ENVIRONMENT SAVE LIFE

Coromandel 
FUTURE POSITIVE
Coromandel International Limited
Sriharipuram, Malkapuram PO
Visakhapatnam-530 011
Andhrapradesh, India.
F: +91 891-2578400
W: www.coromandel.biz
A MURUGAPPA GROUP COMPANY

EHS/APPCB/2024-062

13-06- 2024

To

**Environmental Engineer
A.P. Pollution Control Board
Regional Office
Visakhapatnam – 530 018**

**SUB: Coromandel International Limited, Sriharipuram, Malkapuram (PO), Visakhapatnam Dist. -
Submission of concentration levels of Ammonia monitored by industry through sensors as
per CFO order no:APPCB/VSP/65/CFO/HO/1967 - 30/09/2022.**

**Ref: General condition no:36 in CFO Order No: APPCB/VSP/65/CFO/HO/1967 - Dt.
04/08/2023.**

Dear Sir,

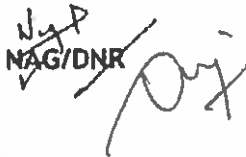
**We have received CFO No: APPCB/VSP/65/CFO/HO/1967 - Dt. 04/08/202 As mentioned in the
CFOorder condition no:37 in general category, we are here with submitting the concentration
levels of Ammonia monitored by industry through sensors for the month of May -2024 in enclosed
annexure.**

For your perusal and record. Kindly acknowledge receipt of the same.

**Yours Truly
For Coromandel International Limited**



**Gnanasundaram M
Vice President & Head Manufacturing.**


NAG/DNR

Continued		Coromandel International Limited, Visakhapatnam																				murugappa	
		Ammonia levels report at AAST for the month of May - 2024																					
ValueTime	Sensor-1	Sensor-2	Sensor-3	Sensor-4	Sensor-5	Sensor-6	Sensor-7	Sensor-8	Sensor-9	Sensor-10	Sensor-11	Sensor-12	Sensor-13	Sensor-14	Sensor-15	Sensor-16	Sensor-17	Sensor-18	Sensor-19	Sensor-20	Sensor-21		
01-05-2024 00:00	1.21	1.32	0.4	0.23	0	0.63	0.17	0.06	0.11	0.41	0.02	0.2	2.68	0.47	0.1	0.17	0.01	0.08	0.14	0.03	0.07		
02-05-2024 00:00	0.81	1.31	0.18	0.03	0	0.83	0.17	0.04	0.2	0.41	0.02	0.45	1.64	1.55	0.1	0.04	0	0.1	0.63	1.06	0.2		
03-05-2024 00:00	0.8	0.69	0.4	0.7	0	1.41	0.17	0.07	0.2	0.26	0.03	0.49	2.77	0.16	0.1	0.15	0.01	0.1	0.14	0.11	0.07		
04-05-2024 00:00	0.61	1.01	0.43	0.47	0	0.64	0.17	0.09	0.2	0.31	0.05	0.15	1.72	0.17	0.1	0.38	0.04	0.1	0.14	0.11	0.07		
05-05-2024 00:00	1.5	1.05	0.19	0.09	0	6.34	1.98	0.37	0.09	0.36	0.4	0.5	1.53	0.53	0.01	0.04	0.1	0.1	0.14	0.11	0.01		
06-05-2024 00:00	6.15	2.41	0.11	3.3	0	5.97	0.34	0.24	0.12	0.44	2.02	0.47	4.32	1.4	0.08	0.02	0.39	0.1	0.13	0.1	0.06		
07-05-2024 00:00	5.14	2.37	0.08	0.72	0	2.36	0.31	0.08	0.13	0.28	1.61	0.55	2.99	1.43	0.08	0.02	0.17	0.1	0.09	0.01	0.03		
08-05-2024 00:00	11.5	4.41	0.05	2.66	0	2.2	0.29	0.07	0.17	0.26	1.23	0.41	3.92	3.43	0.07	0.02	0.29	0.1	0.08	0.81	0.07		
09-05-2024 00:00	11	5.99	0.02	4.73	0	3.37	0.87	0.02	0.35	0.18	1.18	0.25	5.5	6.66	0.08	0.02	0.49	0.1	0.08	3.2	0.04		
10-05-2024 00:00	13	6.4	0.73	4.31	0	0.39	0.63	0.06	0.41	0.17	1.52	0.36	5.02	4.63	0.05	0.21	0.73	0.1	0.07	5.6	0.07		
11-05-2024 00:00	20	3.77	0.54	3.68	0	0.02	0.51	0.07	0.37	0.17	0.23	0.33	4.53	1.75	0.05	0.02	1.43	0.1	0.07	0.86	0.07		
12-05-2024 00:00	30.05	4.62	0.28	5.39	0	0	0.27	0.07	0.6	0.11	0.35	0.56	6.34	1.45	0.09	0.33	0.93	0.1	0.06	0.48	0.06		
13-05-2024 00:00	12.36	6.1	0.05	5.2	0	0.06	0.09	0.05	0.14	0.12	0.32	0.47	8.33	1.65	0.09	0.41	1.21	0.1	0.05	0.43	0.01		
14-05-2024 00:00	14.55	8.05	0	7.31	0	0.07	0.53	0.03	0.26	0.14	1.35	0.39	16.33	2.43	0.09	0.5	2.54	0.1	0.05	0.13	0.05		
15-05-2024 00:00	15.51	5.81	0	6.88	0	0.05	1.17	0.06	0.86	0.19	0.62	0.45	22.9	1.73	0.09	1.84	5.39	0.1	0.04	0.04	0.08		
16-05-2024 00:00	15.58	7.02	0	9	0	0.02	1	0.04	0.54	0.18	3.05	0.38	14.14	2.66	0.09	0.86	3.96	0.1	0.03	5.2	0.06		
17-05-2024 00:00	42.63	5.86	0	5.95	0	0.28		0.06	0.48	0.27	0.45	0.5	9.53	2.08	0.08	0.54	2.46	0.1	0.03	0.07	0.03		
18-05-2024 00:00	24.62	4.43	0	6.71	0	0.08	0.14	0.06	0.55	0.24	0.45	0.48	8.72	1.52	0.08	0.01	1.24	0.1	0.02	0.08	0.05		
19-05-2024 00:00	30.35	3.34	0	3.67	0	0.07	0.14	0.07	0.51	0.15	0.2	0.25	5.75	1.7	0.09	0.01	0.8	0.1	0.02	0.08	0.08		
20-05-2024 00:00	32.87	3.1	0.03	6.31	0	0.07	0.14	0.08	0.68	0.6	0.01	0.06	7.3	0.43	0.08	0.01	1.42	0.1	0.01	0.28	0.02		
21-05-2024 00:00	6.58	3.76	0.2	7.51	0	0.07	0.14	0.06	0.52	2.96	0.25	0.21	6.82	0.1	0.07	0.01	1.13	0.1	0	8.05	0.03		
22-05-2024 00:00	4.29	1.89	0.12	0.87	0	0.07	0.14	0.05	0.59	0.97	0.37	0.29	7.39	0.22	0.06	0	0.89	0.1	0	8.00	0.02		
23-05-2024 00:00	3.01	1.89	0.12	0.94	0	0.08	0.14	0.05	0.52	0.41	0.3	0.3	7.88	0.54	0.03	0	1	0.1	0.01	0.12	0.05		
24-05-2024 00:00	2.15	1.55	0.12	0.97	0	0.08	0.14	0.04	0.36	0.28	0.1	0.3	6.01	0.16	0.03	0	0.68	0.1	0.01	0.63	0.07		
25-05-2024 00:00	6.74	4.25	0.12	5.42	0	0.08	0.14	0.04	0.09	0.33	0.49	0.26	6.89	1.74	0.05	0	1.39	0.1	0.02	6.1	0.04		
26-05-2024 00:00	5.31	1.93	0.12	0.81	0	0.43	0.14	0.04	0.41	0.26	0.54	0.24	6.93	0.18	0.02	0	1.59	0.1	0.02	0.59	0.06		
27-05-2024 00:00	7.56	2.77	0.12	4.16	0	0.08	0.14	0.05	0.48	0.21	0.34	0.28	4.38	1.46	0.03	0	0.62	0.1	0.02	0.06	0.04		
28-05-2024 00:00	3.18	1.87	0.12	2.36	0	0.07	0.14	0.04	0.45	0.19	3.12	0.31	2.24	0.59	0.05	0	0.04	0.1	0.02	6.59	0.06		
29-05-2024 00:00	3.99	1.97	0.12	2.49	0	0.41	0.14	0.04	0.42	0.18	6.35	0.34	2.94	1.23	0.03	0	0.58	0.1	0.02	6.59	0.07		
30-05-2024 00:00	13.2	4.33	0.12	4.93	0	0.13	0.14	0.04	0.28	0.16	6.59	0.35	6.11	1.79	6.59	0	1.14	0.1	0.02	0.13	0.06		
31-05-2024 00:00	6.58	3.76	0.2	7.51	0	0.07	0.14	0.06	0.52	2.96	0.25	0.21	6.82	0.1	0.07	0.01	1.13	0.1	0	8.05	0.07		

EHS2-Vizag-Coromandel

From: Nageswara Rao G-AsstMgr-EHS-Vizag-Coromandel
Sent: 15 June 2024 09:37
To: rovspappcb@gmail.com
Cc: Nagarajuna-P-Mgr-EHS-Vizag-Coromandel; EHS2-Vizag-Coromandel; Nagaraju D-AGM-EHS-Vizag-Coromandel; Subhradip Mondal-Mgr-Environment-Vizag-Coromandel; Vinod Kumar Mishra-Sr GM-EHS-Vizag-Coromandel
Subject: CIL-Vizag submission of monthly reports for the month of May-2024.
Attachments: AAST Ammonia sensor report May -24.pdf; Hazardous chemical Inventory May - 24.pdf; Hazardous Waste Inventory May -24.pdf; Sea water temperature report May -24.pdf; Monitoring Monthly Report May-24.pdf

Dear Sir,

Here we are submitting the following monthly reports for the month of May -2024.

1. Environmental Monitoring reports for the month May -2024.
2. Sea water temperature monthly Report May-2024.
3. AAST Ammonia sensor report May -2024.
4. Hazardous Waste Inventory May -2024.
5. Hazardous chemical Inventory May -2024.

Same original copy along with backup documents we have submitted on 14.06.2024 to your regional office.
Again, we have submitted the same copy through mail as per your instruction.

Regards,
Nageswara Rao G
Asst. Manager-Environment

SAVE ENVIRONMENT SAVE LIFE



FUTURE POSITIVE

Coromandel International Limited

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A MURUGAPPA GROUP COMPANY

To,
The Environmental Engineer,
Andhra Pradesh Pollution Control Board,
Regional Office, Behind RTA Office,
Madhavadhara VUDA Colony,
Visakhapatnam - 530 018

Date : 30.12.2023

Sub : Submission of Six monthly compliance report as on 30.12.2023 for Consent For
operation order Issued For Storage and Handling of Phosphoric Acid as- Reg

Ref : 1. CFO No - 7055-VSP/APP/PCB/ZOVSP/CFO/2021- 01/11/2021

2. APP/PCB paper notification Dated: 07.09.2019

With reference to the above subject, herewith we are submitting the Six monthly condition wise
compliance report as on 30.12.2023 of stipulated conditions in Consent For Operation issued
vide Order No. 7055-VSP/APP/PCB/ZOVSP/CFO/2021- 01/11 /2021 of M/s Coromandel
International Limited, Sriharipuram Visakhapatnam For Storage and Handling of Phosphoric
Acid duly Certified by M/s TEAM Labs and Consultants NABL accredited Laboratory after
carrying out site visit during the period 11.12.2023 to 19.12.2023 is enclosed for records.
Yours sincerely,


Authorized Signatory

Enclosures: 1. CFO compliance report
2. NABL accreditation Certificate

For submission of compliance reports by the Industries

11. Upload the Compliance Report :^

Date : 30.12.2023

To,
The Environmental Engineer,
Andhra Pradesh Pollution Control Board,
Regional Office, Behind RTA Office,
Madhavadhara VUDA Colony,
Visakhapatnam - 530 018

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