

EC list of Coromandel International Limited, Vizag		
S. no	EC order no. and date	Subject
1	F No. J-11011/388/2006-IA II (I) dated 18.05.2007	Enhanced production capacity of Phosphoric acid plant from 500 MTPD to 700 MTPD
2	Ref: J11011/314/2007-IA II (I) dt. 31st August, 2007	Enhanced production capacity of complex fertilizer plant from 2700 MTPD to 3900 MTPD
3	Ref: F. No. J-11011/548/2008-IA-II(I) dated June 10, 2009	Manufacture of Customized Fertilizer plant of two streams of 300 MTPD each.
4	F.No.11-35/2015-IA-III dated 27 June 2017	Installation of proposed Sulphuric acid (2x12500 MT) and Phosphoric acid (2x10000 MT) storage tanks along with unloading facilities and pipelines at the existing fertilizer Wharf of Coromandel International Limited, Visakhapatnam (Andhra Pradesh) - CRZ Clearance
5	F.NO: 11/5/2022-IA.III DT: 24.03.2022	CRZ Clearance for construction of seawater plant (Desalination plant) with capacity of 15 MLD
6	F. No. J-11011/51/2016-IA-II (I) dt 14th July 2017	Enhancement of Phosphoric Acid production (from 700 MTPD to 1000 MTPD) P205 and other auxiliary facilities within the existing Fertilizer Complex, Sriharipuram, Vishakhapatnam District, Andhra Pradesh by M/s Coromandel International Limited (Formerly M/s. Coromandel Fertilizer Limited) - Environmental Clearance –reg.
7	F. NO. IA -J-11011/51/2016-IA II (I) Dated 07th Jan 2021	Enhancement of Phosphoric Acid production (from 700 MTPD to 1000 MTPD) P205 and other auxiliary facilities within the existing Fertilizer Complex, Sriharipuram, Vishakhapatnam District, Andhra Pradesh by M/s Coromandel International Limited (Formerly M/s. Coromandel Fertilizer Limited) - Environmental Clearance –Amendment reg.
8	F.No . IA-J-11011/51/2016-IA-III(I) 27th June, 2022	Amendment in Environmental Clearance for “Change in location of new 1500 MTPD Sulphuric Acid (100%) Plant within the existing fertilizer complex” and “to add Desalination Plant with Capacity of 15 MLD” at Sriharipuram, Vishakhapatnam District, Andhra Pradesh by M/s Coromandel International Limited (formerly M/s Coromandel Fertilizers Limited [Proposal No IA/AP/IND3/269654/2022]- Consideration of Amendments in Environmental Clearance.

EHS/MoEF/2025 - 069

31/05/2025

To
The Director,
Regional Office (South Eastern Zone),
Ministry of Environment, Forests and Climate Change,
1st and 2nd Floor, Handloom Export Promotion Council,
34, Cathedral Garden Road,
Nungambakkam, Chennai-600034.

Dear Sir,

Sub: Half Yearly EC (Environment Clearance) Compliance Report- regd.

Ref: F. No. J-11011/388/2006-IA II (I) dated 18.05.2007

Please find the attached half yearly compliance report of Environment Clearance issued by MOEFCC for enhanced production capacity of Phosphoric acid plant from 500 MTPD to 700 MTPD

Period of submission : **Oct'24 to Mar'25**

Unit : Coromandel International Limited, Visakhapatnam

Thanking You,

For Coromandel International Limited



M. Gnanasundaram

Vice Head Manufacturing


NAG/DNR

Encl : a/a

CC: The Member Secretary, Head Office-APPCB, Vijayawada
Joint Chief Environmental Engineer, APPCB, Zonal Office, Visakhapatnam
Environmental Engineer, APPCB, Regional Office, Visakhapatnam

EHS2-Vizag-Coromandel

From: Nagarjuna-P-Mgr-EHS-Vizag-Coromandel
Sent: 02 June 2025 15:35
To: 'ecompliance-ap@gov.in'; APPCB RO, VSP; zovspappcb
Cc: EHS2-Vizag-Coromandel; Nageswara Rao G-AsstMgr-EHS-Vizag-Coromandel;
Subhradip Mondal-Sr.Mgr-Environment-Fertiliser-Vizag-Coromandel; Nagaraju D-
AGM-EHS-Vizag-Coromandel; Vinod Kumar Mishra-Sr.GM-EHS-Vizag-Coromandel
Subject: Half Yearly EC (Environment Clearance) Compliance Report- regd.
Attachments: MoEF Complex PAP (Oct -2024 to March -2025).pdf

Dear Sir,

Ref: F. No. J-11011/388/2006-IA II (I) dated 18.05.2007

Please find the attached half yearly compliance report of Environment Clearance issued by MOEFCC for enhanced production capacity of Phosphoric acid plant from 500 MTPD to 700 MTPD

Period of submission : October- 2024 to March -2025
Unit : Coromandel International Limited, Visakhapatnam

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, Visakhapatnam

**MoEF-EC- COMPLIANCE STATUS OF Environmental Clearance (EC) issued by
MOEF for enhanced production capacity of Phosphoric acid plant from 500 MTPD
to 700 MTPD**

Reference : F No. J-11011/388/2006-IA II (I) dated 18.05.2007

(For the period from Oct-2024 to March-2025)

A. SPECIFIC CONDITIONS:

S.No.	Specific conditions	Compliance status
i.	The gaseous emissions (SO ₂ , NO _x , NH ₃ , Urea dust) particulate matter from various process units shall conform to the standards prescribed by the concerned authorities from time to time. Monitoring of HF shall be carried out along with other parameters. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.	<p>Complied</p> <p>All the applicable gaseous parameters including that of Fluorides are monitored vide online OCEMS and are connected to the APPCB & CPCB and are maintained within the limits. Necessary interlocking is in place to limit the emission within the limits.</p> <p>Regular 3rd party monitoring reports are submitted to the concerned authorities.</p> <p>A copy of the acknowledgment herewith is enclosed as Annexure – 01.</p>
ii.	Ambient air quality monitoring stations shall be set up in the downwind direction as well as where maximum ground level concentration is anticipated in consultation with the APPCB and data submitted to the Ministry's Regional Office at Bangalore six monthly and APPCB quarterly along with statistical analysis.	<p>Complied</p> <p>Installed three online monitoring AAQM stations and connected them to the APPCB server. Ambient air quality is also being monitored through MoEF approved laboratory and AAQMS data is submitted to MoEFCC & APPCB regularly. Quarterly reports are being submitted to APPCB. (Acknowledgment copy is attached)</p> <p>A copy of the submitted acknowledgment is enclosed Annexure - 02</p>
iii.	Total water requirement will be met from Municipal Water supply. No effluent will be generated from water-	<p>Complied</p> <p>Presently our water requirement is</p>

Coromandel International Limited, Visakhapatnam

S.No.	Specific conditions	Compliance status
	soluble fertilizer plant since entire quantity of water will be recycled in the process. Liquid effluent from cooling tower blow down will be recycled and reused in phosphoric acid / granulation plants and in case of no consumption, it will be sent to ETP. Treated effluent will be disposed off into the sea at a distance of 5.0 K through a channel.	met through the 6 MLD de-salination plant and 16600 KLD GVMC supply. - Effluent generated from Water Soluble Fertilizer plant and cooling Tower blow down water are recycled in the process. - Once through cooling is discharged into sea at a distance of more than 6 KM through a channel.
iv.	Prior clearance under the Coastal Regulation Zone (CRZ) shall be obtained from the State / Central Govt. for the disposal of treated effluent into the Sea.	Complied Coromandel does not discharge any treated effluent directly into the sea. Coromandel has been permitted to discharge its treated effluents from ETP and return Once through cooling water in a common channel provided by the Visak Port authorities since the plant was established in 1967 (prior to CRZ rules 1991) Coromandel discharge point is approx. 03 km away from the Meghadrigedda overflow channel. All other industries (HPCL, APCL, IOCL, and BPCL) are also discharging into a common channel.
v.	Regular monitoring of groundwater by installing Piezometric wells around the guard pond and sludge disposal site shall be periodically monitored and reports submitted to Ministry's Regional Office at Bangalore, CPCB and APPCB.	Complied Groundwater monitoring through 4 Piezo wells and 6 Bore wells located in and around the guard pond and reports furnishing to APPCB regularly. A copy of the submitted acknowledgment is enclosed in Annexure - 03

Coromandel International Limited, Visakhapatnam

S.No.	Specific conditions	Compliance status
vi.	Gypsum produced as a by-product from phosphoric acid plant shall be utilized in cement industries as a retarder as well as soil conditioner for agricultural use. Waste oil shall be sold to the authorized recyclers / preprocessors.	<p>Complied</p> <p>Gypsum is being disposed off to various nearby industries, predominantly Cement industries and also for agricultural purposes.</p> <p>Waste oil is being disposed to CPCB-approved recyclers.</p>
vii.	The company shall adopt rainwater-harvesting measures to reduce requirement of the fresh water.	<p>Rain water harvesting is not feasible as the plant is very close to the sea and water table is very high in the area. However, we have provided collection pit for the collection of the storm water and recycling it in the process to conserve the fresh water.</p>
viii.	Green belt shall be developed in 33 % area and properly maintained to mitigate the effects of fugitive emissions all around the plant as per the Central Pollution Control Board guidelines.	<p>Complied</p> <p>Out of the 428 acres, the revised land area is 313 (after demarking from VPT) and the green belt is developed in 120 acres area which is more than 33%. Hence Complied</p> <p>Photographs of the plantations are attached in Annexure -04</p>
ix.	The company shall implement all the recommendations made in the Charter on Corporate Responsibility for Environmental Protection (CREP) for fertilizer industries.	<p>Complied.</p> <p>A copy of the submitted half-yearly CSR report is enclosed in Annexure – 05</p>

Coromandel International Limited, Visakhapatnam

B. GENERAL CONDITIONS

S.No.	General conditions	Compliance status
i.	The project authorities must strictly adhere to the stipulations made by the A P. Pollution Control Board (APPCB) and the State Government	Agreed.
ii.	No further expansion/modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests	Prior approval will be taken from statutory body/ MOEF as and when any expansion is envisaged.
iii.	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Wastes (Management & Handling) Rules, 2003.	Maintaining FORM-3 and FORM-13 for storage and transfer of hazardous waste.
iv.	The project proponent shall also comply with all the safeguards recommended in the EIA /EMP Report.	Agreed.
v.	The project authorities will set up a separate environmental management cell for effective implementation of all the above stipulations under control of Senior Executive.	Complied A separate environment management cell at the corporate level headed by AVP, HSE & A separate environment cell plant level headed by Plant EHS level are in place. We have engaged NABL & MoEFCC accredited Lab to carry out the Environmental monitoring regularly
vi.	Adequate funds towards capital cost and recurring expenditure/annum shall be earmarked and judiciously utilized to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government and a time bound	Complied Funds are provided through internal fund allocation systems.

Coromandel International Limited, Visakhapatnam

S.No.	General conditions	Compliance status
	implementation schedule for all the conditions stipulated herein shall be submitted. The funds so provided shall not be diverted for any other purposes.	
vii.	The Regional Office of this Ministry at Bangalore / Central Pollution Control Board / APPCB will monitor the stipulated conditions. A six-monthly compliance status report and the monitored data along with statistical interpretation shall be submitted to monitoring agencies regularly.	Complied Compliance reports are sent regularly and the same are uploaded to the company website. The company website link is https://www.coromandel.biz/ A copy of the submitted Half yearly is enclosed in Annexure – 06
viii.	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the APPCB / Committee and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . This should be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office at Bangalore.	Complied Advertised in prominent newspapers dated – 27.05.2008 in local language and also English, and copies were forwarded to Regional Office, MoEF.
ix.	The Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work, if any.	Complied The Project was supported with Internal Fund Allocations. All the projects were completed by 2009-10.
x.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not	Noted

Coromandel International Limited, Visakhapatnam

S.No.	General conditions	Compliance status
	satisfactory.	
xi.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner will implement these conditions.	Agreed.
xii.	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	<p>Complied</p> <p>We have obtained Consent for Operation from APPCB CFO Valid up to 31.08.2027.</p> <p>A copy of the CFO herewith enclosed in Annexure – 07</p> <p>We have obtained a public liability Insurance Policy valid till 12-03-2026.</p> <p>A copy of the PLI herewith enclosed in Annexure – 08</p>

TEAM**ORIGINAL**

Form-No. TCL/UG/RF-138

Labs and Consultants**Registered Office :**

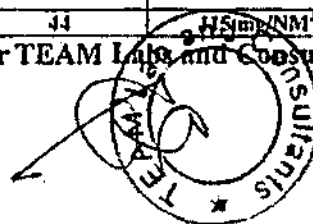
B-115, 116, 117 & 509, Annapoorna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.

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/Env/CIL/16/1024			dt.01.11.2024	
Description of Test	Source Emission Monitoring Inside the CIL				
Name of the client	Coromandel International Limited, Visakhapatnam				
Location of sampling	stacks attached to respective plants as per details given				
SOURCE/STACK EMISSION MONITORING FOR THE MONTH OF OCTOBER-2024					
S.No.	Stack attached to	Flow rate NM ³ /Hr	parameters	Conc. mg/NM ³	APPCB Standard Limit
1	Complex A	287637	Particulate matter	16	45 mg/NM ³
			Ammonia	58	165.0 mg/NM ³
			Fluoride	1.0	4.0 mg/NM ³
2	Complex B	267874	Particulate matter	17	45 mg/NM ³
			Ammonia	60	165.0 mg/NM ³
			Fluoride	1.2	4.0 mg/NM ³
3	Complex C	207978	Particulate matter	14	45 mg/NM ³
			Ammonia	44	165.0 mg/NM ³
			Fluoride	1.3	4.0 mg/NM ³
4	Sulphuric acid plant-I	99329	Sulphur dioxide	0.329Kg/MT (235mg/NM ³)	1 Kg/MT
			Sulphur trioxide	0.02Kg/MT (15mg/NM ³)	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
5	Sulphuric acid plant-II	29167	Sulphur dioxide	0.161Kg/MT (95mg/NM ³)	0.65 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
6	Phosphoric acid plant-1	133440	Particulate matter	30	50 mg/NM ³
			Fluoride	3.3	20 mg/NM ³
7	Rock grinding unit (N-1)PAAP1	7067	Particulate matter	40	50 mg/NM ³
			Total Fluoride	3.5	20 mg/NM ³
8	Rock grinding unit (N-3)PAAP2	7346	Particulate matter	38	50 mg/NM ³
			Total Fluoride	3.3	20 mg/NM ³
9	Wharf Boiler	10797	Particulate matter	47	115 mg/NM ³
10	Phosphoric acid plant-2	37268	Particulate matter	27	50 mg/NM ³
			Total Fluoride	3.7	20 mg/NM ³
11	Rock grinding unit (N-2)PAP1	6653	Particulate matter	44	50 mg/NM ³
			Total Fluoride	4.2	20 mg/NM ³
12	New SAP-3	50191	Sulphur dioxide	0.037Kg/MT (52mg/NM ³)	1 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
13	DG1	12077	Particulate matter	40	115 mg/NM ³
14	DG2	12030	Particulate matter	44	115 mg/NM ³

For TEAM Labs and Consultants



TEAM**ORIGINAL**

Form-No. TGL/JGF/RF-138

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

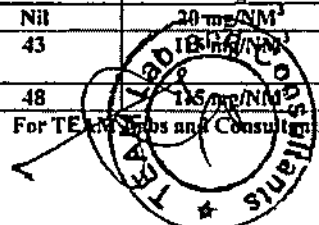
Laboratory Recognised by Ministry of Environment, Forests and Climate Change, Govt, New Delhi

NABL Accredited Laboratory

TEST REPORT

Test Report No		TLC/V/Env/CIL/16/1124		dt.02.12.2024	
Description of Test		Source Emission Monitoring inside the CIL			
Name of the client		Coromandel International Limited, Visakhapatnam			
Location of sampling		stacks attached to respective plants as per details given			
SOURCE/STACK EMISSION MONITORING FOR THE MONTH OF NOVEMBER-2024					
S.No.	Stack attached to	Flow rate NM ³ /Hr	parameters	Conc. mg/NM ³	APPCB Standard Limit
1	Complex A	282609	Particulate matter	18	45 mg/NM ³
			Ammonia	62	165.0 mg/NM ³
			Fluoride	0.9	4.0 mg/NM ³
2	Complex B	257666	Particulate matter	18	45 mg/NM ³
			Ammonia	68	165.0 mg/NM ³
			Fluoride	1.0	4.0 mg/NM ³
3	Complex C	215727	Particulate matter	20	45 mg/NM ³
			Ammonia	48	165.0 mg/NM ³
			Fluoride	1.1	4.0 mg/NM ³
4	Sulphuric acid plant-I	97903	Sulphur dioxide	0.304Kg/MT (220mg/NM ³)	1 Kg/MT
			Sulphur trioxide	0.028Kg/MT (20mg/NM ³)	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
5	Sulphuric acid plant-II	26619	Sulphur dioxide	0.167Kg/MT (105mg/NM ³)	0.65 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
6	Phosphoric acid plant-1	131104	Particulate matter	28	50 mg/NM ³
			Fluoride	4.3	20 mg/NM ³
7	Rock grinding unit (N-1)PAAP1	6653	Particulate matter	42	50 mg/NM ³
			Total Fluoride	3.8	20 mg/NM ³
8	Rock grinding unit (N-3)PAAP2	7067	Particulate matter	35	50 mg/NM ³
			Total Fluoride	3.1	20 mg/NM ³
9	Wharf Boiler	10769	Particulate matter	42	115 mg/NM ³
10	Phosphoric acid plant-2	37794	Particulate matter	30	50 mg/NM ³
			Total Fluoride	3.9	20 mg/NM ³
11	Rock grinding unit (N-2)PAP1	6237	Particulate matter	47	50 mg/NM ³
			Total Fluoride	4.0	20 mg/NM ³
12	New SAP-3	47948	Sulphur dioxide	0.041Kg/MT (60mg/NM ³)	1 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
13	DG1	11426	Particulate matter	43	115 mg/NM ³
14	DG2	1180	Particulate matter	48	115 mg/NM ³

For TEAM Labs and Consultants



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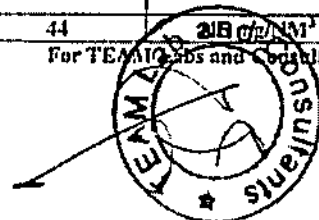
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TEST REPORT

Test Report No	TLC/V/Env/CIL/17/1224				dt.31.12.2024
Description of Test	Source Emission Monitoring inside the CIL				
Name of the client	Coramandel International Limited, Visakhapatnam				
Location of sampling	stacks attached to respective plants as per details given				
SOURCE/STACK EMISSION MONITORING FOR THE MONTH OF DECEMBER-2024					
S.No.	Stack attached to	Flow rate Nm ³ /Hr	parameters	Conc. mg/NM ³	APPCB Standard Limit
1	Complex A	263985	Particulate matter	19	45 mg/NM ³
			Ammonia	80	165.0 mg/NM ³
			Fluoride	1.2	4.0 mg/NM ³
2	Complex B	252704	Particulate matter	20	45 mg/NM ³
			Ammonia	75	165.0 mg/NM ³
			Fluoride	1.3	4.0 mg/NM ³
3	Complex C	216128	Particulate matter	22	45 mg/NM ³
			Ammonin	65	165.0 mg/NM ³
			Fluoride	1.2	4.0 mg/NM ³
4	Sulphuric acid plant- I	96160	Sulphur dioxide	0.312Kg/MT (230mg/NM ³)	1 Kg/MT
			Sulphur trioxide	0.027Kg/MT (20mg/NM ³)	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
5	Sulphuric acid plant- II	29076	Sulphur dioxide	0.174Kg/MT (100mg/NM ³)	0.65 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
6	Phosphoric acid plant-1	127993	Particulate matter	34	50 mg/NM ³
			Fluoride	4.4	20 mg/NM ³
7	Rock grinding unit (N-1)PAAP1	6736	Particulate matter	40	50 mg/NM ³
			Total Fluoride	3.2	20 mg/NM ³
8	Rock grinding unit (N-3)PAAP2	7346	Particulate matter	37	50 mg/NM ³
			Total Fluoride	2.9	20 mg/NM ³
9	Wharf Boiler	6564	Particulate matter	44	115 mg/NM ³
10	Phosphoric acid plant-2	39914	Particulate matter	32	50 mg/NM ³
			Total Fluoride	3.5	20 mg/NM ³
11	Rock grinding unit (N-2)PAP1	6098	Particulate matter	46	50 mg/NM ³
			Total Fluoride	3.8	20 mg/NM ³
12	New SAP-3	46154	Sulphur dioxide	0.052Kg/MT (80mg/NM ³)	1 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
13	DG1	11117	Particulate matter	40	115 mg/NM ³
14	DG2	10985	Particulate matter	44	20 mg/NM ³

For TEAM Labs and Consultants



TEAM**ORIGINAL**

Form-No. TCL/L/GF/RF-138

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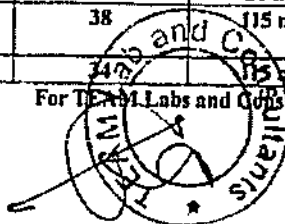
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TEST REPORT

Test Report No	TLCN/Env/CIL/17/0125			dt.01.02.2025	
Description of Test	Source Emission Monitoring inside the CIL				
Name of the client	Coromandel International Limited, Visakhapatnam				
Location of sampling	stacks attached to respective plants as per details given				
SOURCE/ STACK EMISSION MONITORING FOR THE MONTH OF JANUARY-2025					
S.No.	Stack attached to	Flow rate NM ³ /Hr	parameters	Conc. mg/NM ³	APPCB Standard Limit
1	Complex A	258757	Particulate matter	21	45 mg/NM ³
			Ammonia	65	165.0 mg/NM ³
			Fluoride	1.0	4.0 mg/NM ³
2	Complex B	242206	Particulate matter	19	45 mg/NM ³
			Ammonia	90	165.0 mg/NM ³
			Fluoride	1.2	4.0 mg/NM ³
3	Complex C	213639	Particulate matter	18	45 mg/NM ³
			Ammonia	70	165.0 mg/NM ³
			Fluoride	1.4	4.0 mg/NM ³
4	Sulphuric acid plant-I	93924	Sulphur dioxide	0.324Kg/MT (245mg/NM ³)	1 Kg/MT
			Sulphur trioxide	0.033Kg/MT (25mg/NM ³)	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
5	Sulphuric acid plant-II	26955	Sulphur dioxide	0.18Kg/MT (110mg/NM ³)	0.65 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
6	Phosphoric acid plant-I	128217	Particulate matter	32	50 mg/NM ³
			Fluoride	4.9	20 mg/NM ³
7	Rock grinding unit (N-1)PAAP1	6098	Particulate matter	44	50 mg/NM ³
			Total Fluoride	3.3	20 mg/NM ³
8	Rock grinding unit (N-3)PAAP2	6930	Particulate matter	36	50 mg/NM ³
			Total Fluoride	2.7	20 mg/NM ³
9	Wharf Boiler	9969	Particulate matter	42	115 mg/NM ³
10	Phosphoric acid plant-2	40898	Particulate matter	30	50 mg/NM ³
			Total Fluoride	3.0	20 mg/NM ³
11	Rock grinding unit (N-2)PAP1	5821	Particulate matter	45	50 mg/NM ³
			Total Fluoride	3.4	20 mg/NM ³
12	New SAP-3	43114	Sulphur dioxide	0.043Kg/MT (70mg/NM ³)	1 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
13	DG1	11296	Particulate matter	38	115 mg/NM ³
14	DG2	11079	Particulate matter	34	115 mg/NM ³

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

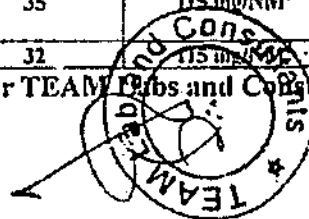
Recognised as Environmental Laboratory under Environmental (Protection) Act 1986

NABL Accredited Laboratory (Certificate No. TC-12956)

TEST REPORT

Test Report No		TLC/V/Env/CIL/16/0225		dt.02.03.2025	
Description of Test		Source Emission Monitoring Inside the CIL			
Name of the client		Coromandel International Limited, Visakhapatnam			
Location of sampling		stacks attached to respective plants as per details given			
SOURCE/STACK EMISSION MONITORING FOR THE MONTH OF FEBRUARY-2025					
S.No.	Stack attached to	Flow rate NM ³ /Hr	parameters	Conc. mg/NM ³	APPCB Standard Limit
1	Complex A	237370	Particulate matter	19	45 mg/NM ³
			Ammonia	95	165.0 mg/NM ³
			Fluoride	1.1	4.0 mg/NM ³
2	Complex B	240222	Particulate matter	20	45 mg/NM ³
			Ammonia	85	165.0 mg/NM ³
			Fluoride	1.0	4.0 mg/NM ³
3	Complex C	220097	Particulate matter	17	45 mg/NM ³
			Ammonia	40	165.0 mg/NM ³
			Fluoride	1.9	4.0 mg/NM ³
4	Sulphuric acid plant-I	95275	Sulphur dioxide	0.343Kg/MT (255mg/NM ³)	1 Kg/MT
			Sulphur trioxide	0.041Kg/MT (30mg/NM ³)	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
5	Sulphuric acid plant-II	25839	Sulphur dioxide	0.16Kg/MT (100mg/NM ³)	0.65 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
6	Phosphoric acid plant-I	134404	Particulate matter	41	50 mg/NM ³
			Fluoride	4.7	20 mg/NM ³
7	Rock grinding unit (N-1)PAAP1	5960	Particulate matter	42	50 mg/NM ³
			Total Fluoride	3.2	20 mg/NM ³
8	Rock grinding unit (N-3)PAAP2	6791	Particulate matter	46	50 mg/NM ³
			Total Fluoride	4.3	20 mg/NM ³
9	Wharf Boiler	9143	Particulate matter	42	115 mg/NM ³
10	Phosphoric acid plant-2	41772	Particulate matter	37	50 mg/NM ³
			Total Fluoride	3.4	20 mg/NM ³
11	Rock grinding unit (N-2)PA1	6098	Particulate matter	48	50 mg/NM ³
			Total Fluoride	3.9	20 mg/NM ³
12	New SAP-3	-----	Sulphur dioxide	-	1 Kg/MT
			Sulphur trioxide	-	0.35 Kg/MT
			Acid mist	-	20 mg/NM ³
13	DG1	11186	Particulate matter	35	115 mg/NM ³
14	DG2	11161	Particulate matter	32	115 mg/NM ³

For TEAM Labs and Consultants



TEAM**ORIGINAL**

Form No. COLAUSTRF-138

Labs and Consultants**Registered Office :**

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

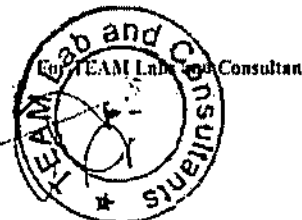
Ph. : (O) 040-23748555 / 23748616, Fax : 040-23748666, Email : teamlabs@gmail.com

Recognised as Environmental Laboratory under Environmental (Protection) Act 1986

NABL Accredited Laboratory (Certificate No. TC-12956)

TEST REPORT

Test Report No		TLCN/Env/CIL/17/0325			dt.31.03.2025	
Description of Test		Source Emission Monitoring inside the CIL				
Name of the client		Coromandel International Limited, Visakhapatnam				
Location of sampling		stacks attached to respective plants as per details given				
SOURCE/STACK EMISSION MONITORING FOR THE MONTH OF MARCH-2025						
S.No.	Stack attached to	Flow rate Nm ³ /hr	parameters	Conc. mg/Nm ³	APPCB Standard Limit	
1	Complex A	269152	Particulate matter	18	45 mg/Nm ³	
			Ammonia	78	165.0 mg/Nm ³	
			Fluoride	1.3	4.0 mg/Nm ³	
2	Complex B	247360	Particulate matter	16	45 mg/Nm ³	
			Ammonia	55	165.0 mg/Nm ³	
			Fluoride	1.1	4.0 mg/Nm ³	
3	Complex C	221396	Particulate matter	15	45 mg/Nm ³	
			Ammonia	45	165.0 mg/Nm ³	
			Fluoride	1.5	4.0 mg/Nm ³	
4	Sulphuric acid plant-1	99750	Sulphur dioxide	0.338Kg/MT (270mg/Nm ³)	1 Kg/MT	
			Sulphur trioxide	0.041Kg/MT (35mg/Nm ³)	0.35 Kg/MT	
			Acid mist	Nil	20 mg/Nm ³	
5	Sulphuric acid plant-II	25242	Sulphur dioxide	0.17Kg/MT (110mg/Nm ³)	0.65 Kg/MT	
			Sulphur trioxide	Nil	0.35 Kg/MT	
			Acid mist	Nil	20 mg/Nm ³	
6	Phosphoric acid plant-1	134965	Particulate matter	44	50 mg/Nm ³	
			Fluoride	4.9	20 mg/Nm ³	
7	Rock grinding unit (N-1)PAAP1	6376	Particulate matter	43	50 mg/Nm ³	
			Total Fluoride	3.3	20 mg/Nm ³	
8	Rock grinding unit (N-3)PAAP2	6653	Particulate matter	44	50 mg/Nm ³	
			Total Fluoride	4.1	20 mg/Nm ³	
9	Wharf Boiler	8906	Particulate matter	47	115 mg/Nm ³	
10	Phosphoric acid plant-2	41774	Particulate matter	39	50 mg/Nm ³	
			Total Fluoride	3.6	20 mg/Nm ³	
11	Rock grinding unit (N-2)PAAP1	6237	Particulate matter	40	50 mg/Nm ³	
			Total Fluoride	3.0	20 mg/Nm ³	
12	New SAP-3	44056	Sulphur dioxide	0.05Kg/MT (80mg/Nm ³)	1 Kg/MT	
			Sulphur trioxide	Nil	0.35 Kg/MT	
			Acid mist	Nil	20 mg/Nm ³	
13	DG1	11117	Particulate matter	39	115 mg/Nm ³	
14	DG2	10369	Particulate matter	40	115 mg/Nm ³	





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

EMS/APPCB/2025 - 050

25-04-2025

To,

The Inspector General of Forests,
 Ministry of Environment, Forest and Climate Change,
 Integrated Regional Office, Green House,
 Gopala Reddy Road, Vijayawada - 520010

Dear Sir,

Sub: Submission of AAQM online data for the last Six months, Coromandel International Limited.
 Visakhapatnam -Reg.

Ref - EC COMPLEX PAP (F.No. J-11011/388/2006-1A (II), Dated 18th May 2007

This is bringing to your kind information that in reference to the EC COMPLEX PAP (F. No. J-11011/388/2006-1A (II), dated 18th May 2007, we are pleased to submit the online data from the Ambient Air Quality Monitoring System (AAQMS) for the last Six months of the October - 2024 to March - 2025. The details are enclosed in the Annexure - I.

This is for your kind information & Records

Thanking you,

Yours faithfully,

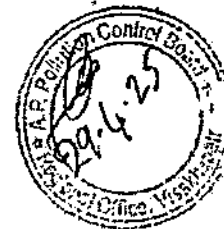
for Coromandel International Limited


Gnanasundaram M
 Vice President & Head Mfg.

RM895320924IN TUR:8278473520824
 RL MALKAPURAM S.O. (530011)
 Counter No:1.26/04/2025.11:48
 To:THE INSPECTOR,MOE F&CC
 PIN:520010, Venkateswarapuram S.O
 From:COROMANDEL, SRIHARIPURAM
 Wt:1400g,KEG=17.0
 Amt:25.56,Tax:3.56,Amt.Paid:26.00(Cash)

NAE/DNR

Enclosure: Annexure - I - AAQMS online data for the last six months.
 Copy to: RO, APPCB, Visakhapatnam



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



CAAQM Six Monthly Average (October - 2024 to March - 2025)																
Annexure - I																
APCB Limit	CAAQM - Maintenance Garage						CAAQM - Begging - Plant						CAAQM - Shared Service Center			
	Limit 100	Limit 60	Limit 80	Limit 80	Limit 400	Limit 100	Limit 60	Limit 80	Limit 80	Limit 400	Limit 100	Limit 60	Limit 80	Limit 80	Limit 400	Limit 400
	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³
Parameters	PM10	PM2.5	SO2	Nox	NH3	PM10	PM2.5	SO2	Nox	NH3	PM10	PM2.5	SO2	Nox	SO2	NH3
Oct'24	43.33	16.26	24.06	8.76	12.06	46.37	20.35	35.01	9.35	6.99	52.16	32.4	32.19	13.69	3.21	3.21
Nov'24	43.13	21.08	29.41	11.99	20.48	50.61	21.61	20.54	7.55	6.92	74.21	34.75	36.06	19.26	6.33	6.33
Dec'24	45.5	18.4	33.45	14.93	18.46	35.3	21.27	18.19	7.89	6.87	47.38	30.73	39.95	21.82	3.48	3.48
Jan'25	47.77	13.85	22.11	14.72	14.36	54.63	19.33	23.28	8.95	6.84	40.98	27.78	25	19.6	3.48	3.48
Feb'25	50.47	24.45	20.91	13.2	19.04	51.3	18	24.47	7.71	6.92	36.17	20.03	16.41	15.02	2.97	2.97
Mar'25	27.69	14.64	24.02	11.45	17.43	30.53	11.86	25.8	6.68	6.96	23.56	12.96	9.77	13.68	2.79	2.79
Ave	42.98	18.11	25.66	12.51	16.97	45.12	18.74	24.58	8.02	6.92	45.73	26.44	26.56	17.17	3.71	3.71

EHS/APPCB/2025 - 047

14-04-2025

To

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

SUB: Coromandel International Limited, Sriharipuram, Malkapuram (PO), Visakhapatnam Dist. -
Submission of piezo well water analyses report as per CFO order no: APPCB/VSP/65/CFO/HO/1967 -
- Dt. 04/08/2023

Ref: General condition no:16 in CFO order APPCB/VSP/65/CFO/HO/1967 - Dt. 04/08/2023

Dear Sir,

We have received APPCB/VSP/65/CFO/HO/1967 - Dt. 04/08/2023. As mentioned in the CFO order
general condition no:16 in general category, we are here with submitting the details of piezo well
water analyses for the month of, January, February & March -2025 in enclosed Annexure - 1.

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

Yours Truly
For Coromandel International Limited

Gnanasundaram M
Vice President & Head Mfg.

NAG/DNR

Enclosure: piezo well water analyses reports.



TEAMORIGINAL

Form-No. TCUL/GF/RF-138

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

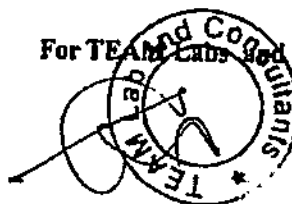
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NABL Accredited Laboratory (Certificate No. TC-12956)

TEST REPORT

Test Report No		TLC/V/Env/CFL/22A/0125	dt.01.02.2025
Description of Test		Peizo wells Water analysis	
Name of the client		Coromandel International Limited, Visakhapatnam	
Location of sampling		Stations as per details given	
Date of Sample collection		As per details given	
No	Date	Location of Peizo-well	F- mg/L
1	24.01.2025	CFL - colony	0.4
2	"	Near 4 OP Gate	0.45
3	"	Near 7 th gate	0.4
4	"	CRC	0.4
		ISI10500 Permissible limit	1.5
Protocol		SM 4500 F- D	

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

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TEST REPORT

Test Report No		TLC/V/Env/CFL/21A/0225	dt.02.03.2025
Description of Test		Peizo wells Water analysis	
Name of the client		Coromandel International Limited, Visakhapatnam	
Location of sampling		Stations as per details given	
Date of Sample collection		As per details given	
No	Date	Location of Peizo-well	F- mg/L
1	22.02.2025	CFL - colony	0.5
2	22.02.2025	Near 4 th OP Gate	0.6
3	22.02.2025	Near 7 th gate	0.5
4	22.02.2025	CRC	0.5
		IS10500 Permissible limit	1.5
Protocol		SM 4500 F- D	

For TEAM Labs and Consultants



TEAM**ORIGINAL**

Form No. TCL/UGF/RF-135

Labs and Consultants**Registered Office :**

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

Ph. : (O) 040-23748555 / 23748515, Fax : 040-23748666, Email : teamlabs@gmail.com

Recognised as Environmental Laboratory under Environmental (Protection) Act 1986

NABL Accredited Laboratory (Certificate No. TC-12956)

TEST REPORT

Test Report No		TLC/V/Env/CFL/22A/0325	dt.31.03.2025
Description of Test		Peizo wells Water analysis	
Name of the client		Coromandel International Limited, Visakhapatnam	
Location of sampling		Stations as per details given	
Date of Sample collection		As per details given	
No	Date	Location of Peizo-well	F- mg/L
1	21.03.2025	CFL - colony	0.4
2	21.03.2025	Near 4 OP Gate	0.5
3	21.03.2025	Near 7 th gate	0.6
4	21.03.2025	CRC	0.6
		IS10500 Permissible limit	1.5
Protocol			SM 4500 F- D

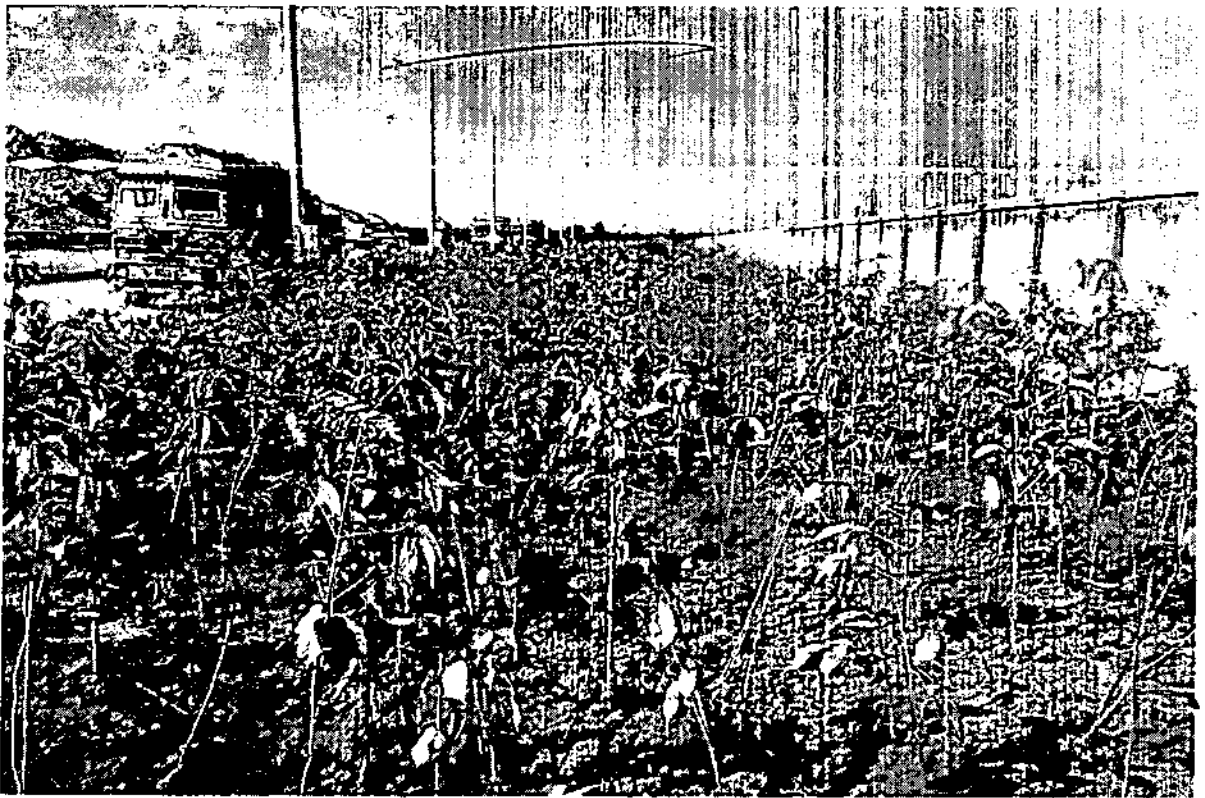
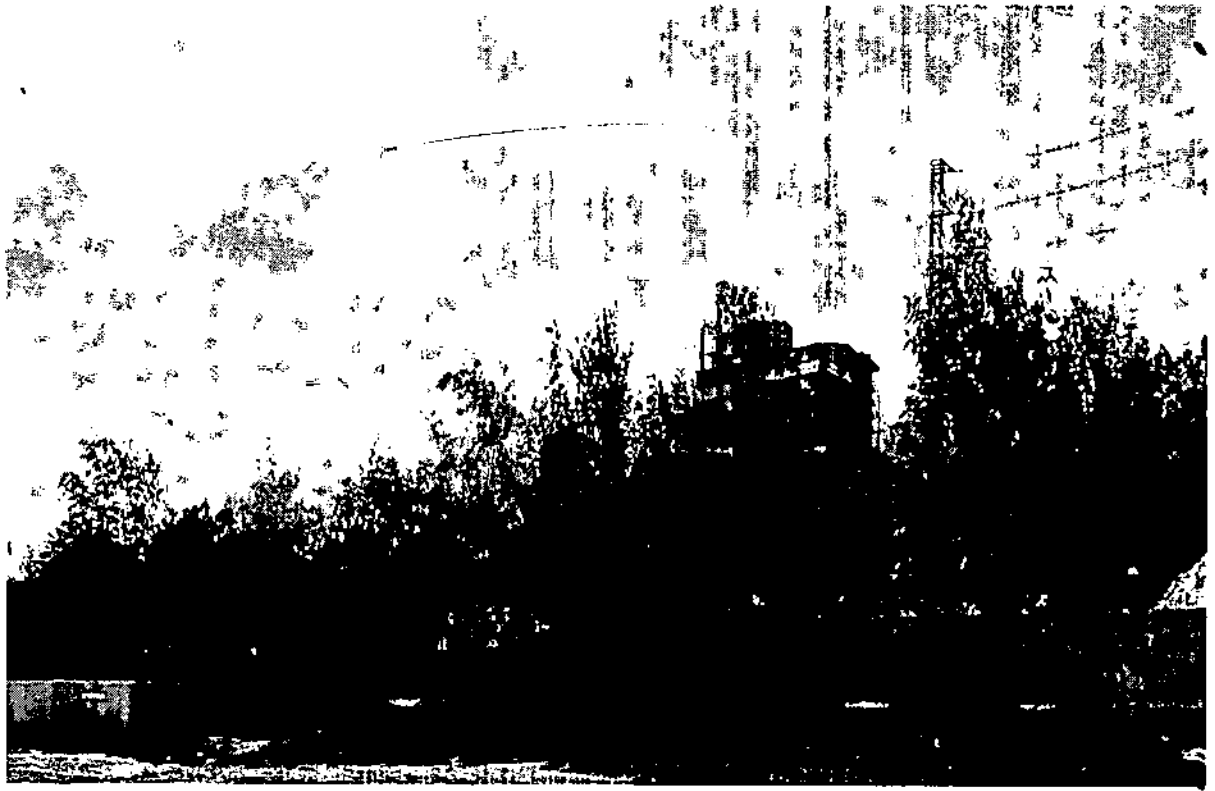
For TEAM Labs and Consultants

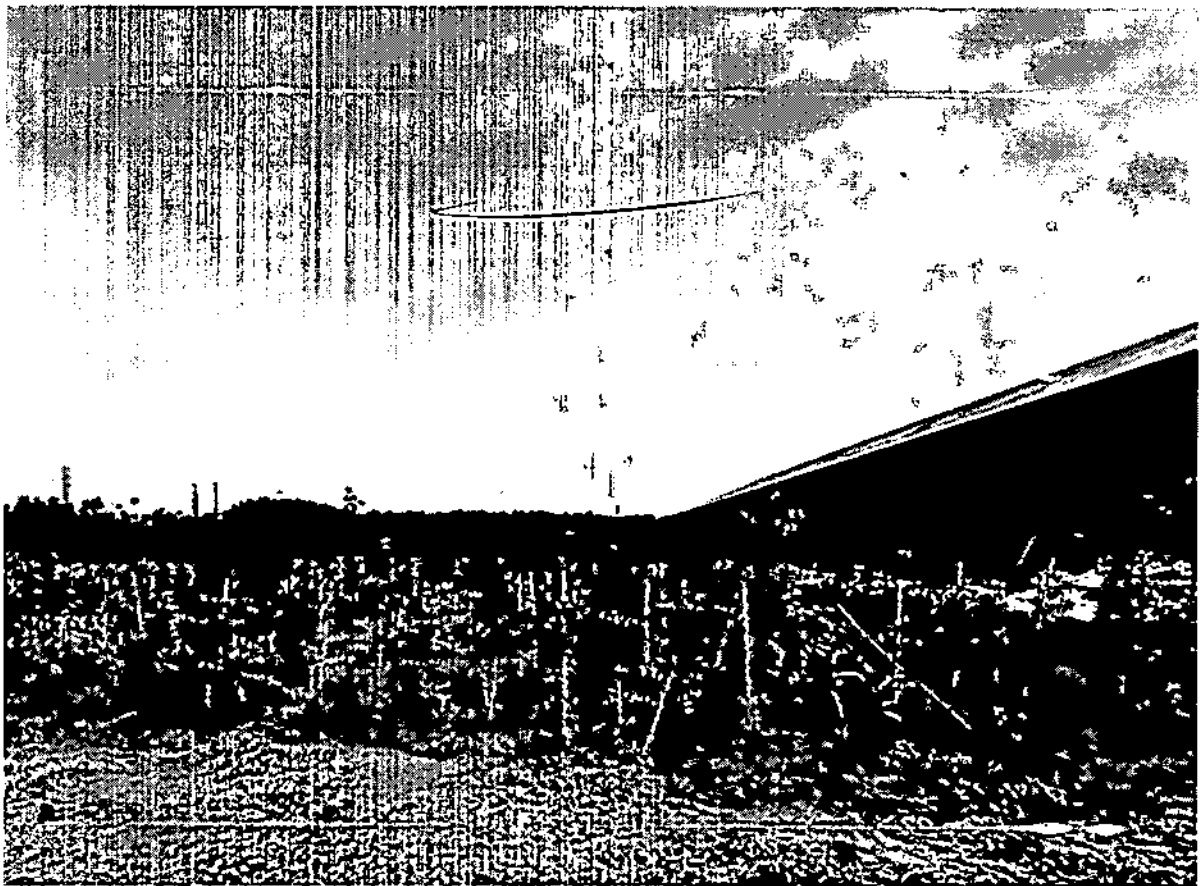


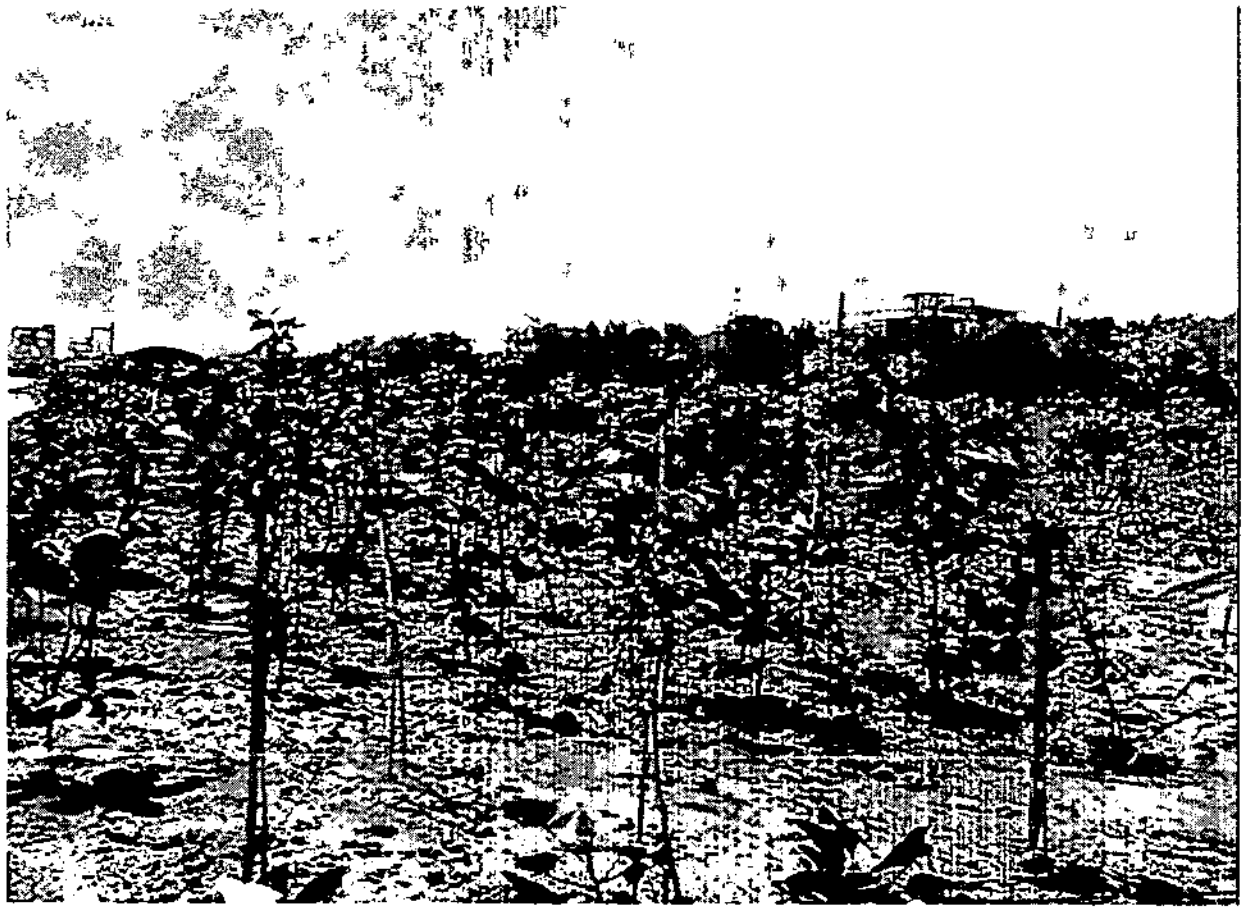
**COROMANDEL INTERNATIONAL LTD. VISAKHAPATNAM.
GREEN BELT PHOTOS**

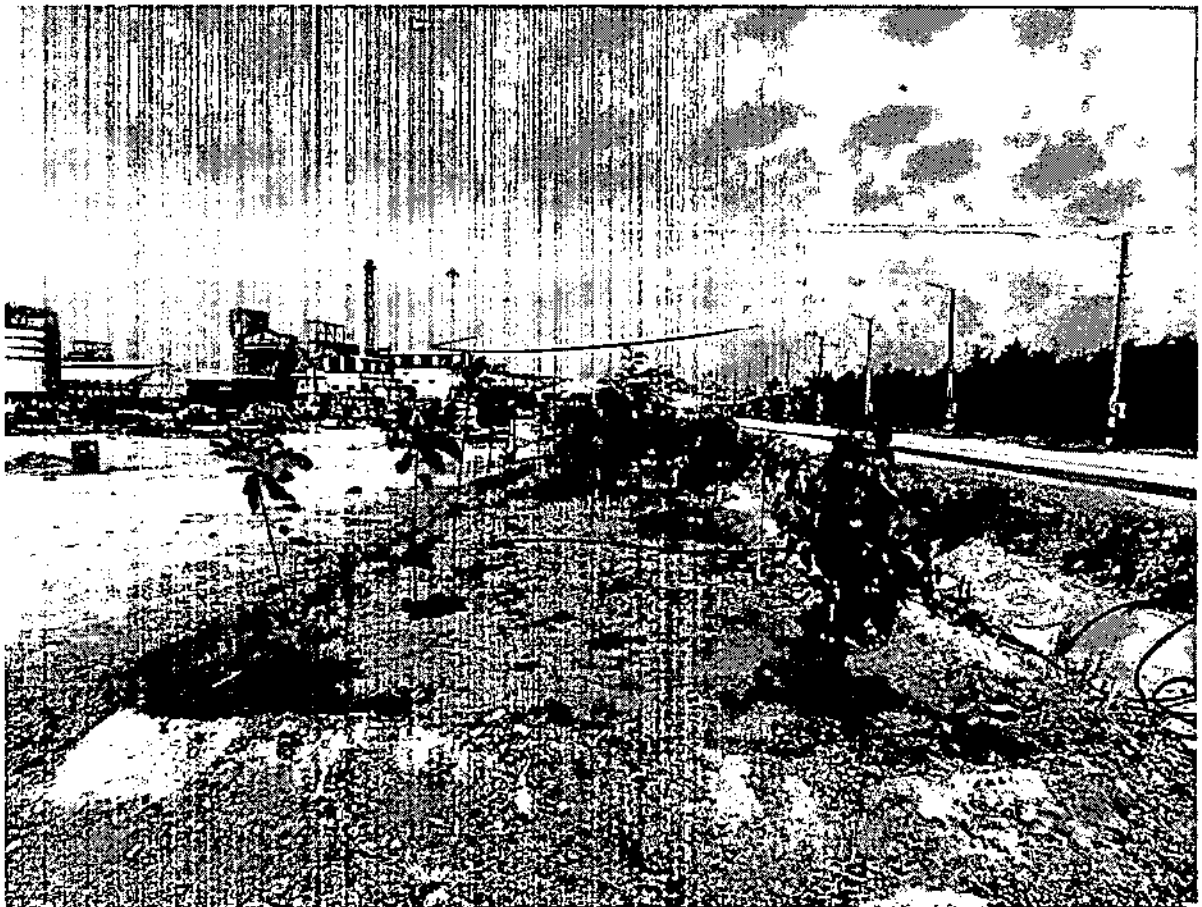
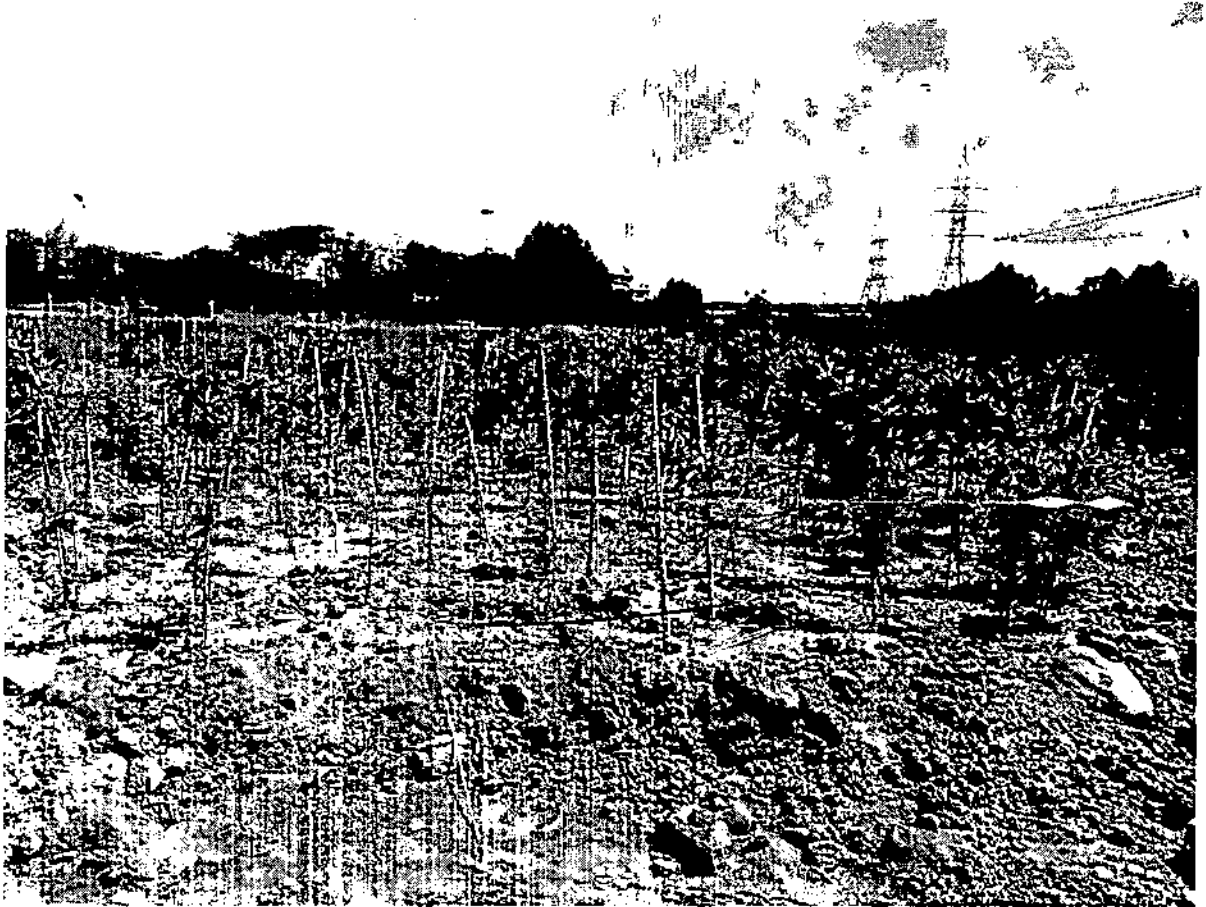










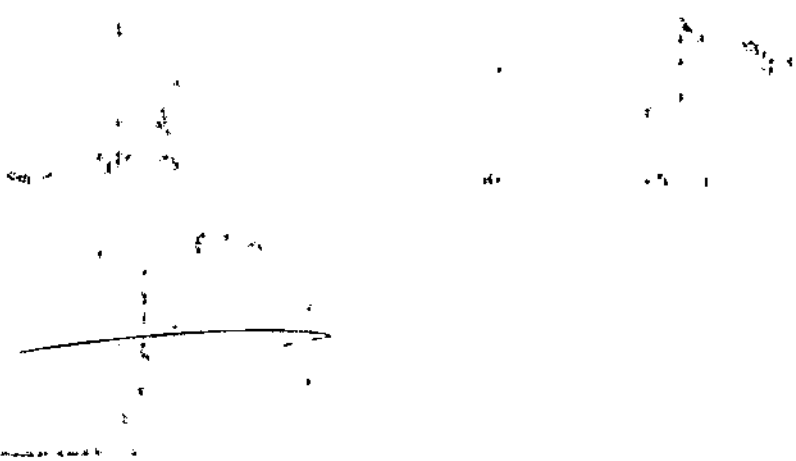




122

AT 1000 HOURS

ON 10 OCTOBER 1964



123

AT 1000 HOURS



MoEF Complex EC - PAP Date: 18.05.2007

EC-NO-F.NO-J-11011/388/2006-IA II (I) Date : 18-05-2027

MoEF Complex EC - PAP Date: 18.05.2007

EC-NO-F.NO-J-11011/388/2006-IA II (I) Date : 18-05-2027

HOME ABOUT US FOR INDUSTRY FOR PUBLIC CONTACT US LOGINS

Compliance of EC/CFE/ CFO/ Directions

For submission of compliance reports by the Industries

1. Compliance Report : *
EC

2. EC Order Number *
EC-NO-F.NO-J-11011/388/2006-IA II (I)

3. EC Order Issued On *
05/18/2007

4. EC Order Issued By *
MoEF&CC, Delhi

5. Name of the Industry *
Coromandel International Limited

6. Address *
Srinagarapuram, Makkapuram PO Visakhapatnam - 5301

7. District *
Visakhapatnam

8. Email *
nagarajud@coromandel.munugappa.com

9. Phone *
8790035522

10. Status of Compliance *
Complied

11. Upload the Compliance Report : *

Choose File MoEF Complex EC - PAP.pdf

Note : *

Environmental Clearance (EC) : Project proponent shall submit Half-yearly EC Compliance report certified by accredited consultant (self-certified compliance report in case of small projects)

MoEF Complex EC - PAP Date: 18.05.2007

EC-NO-F.NO-J-11011/388/2006-IA II (I) Date : 18-05-2027

HOME ABOUT US FOR INDUSTRY FOR PUBLIC CONTACT US LOGINS

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For submission of compliance reports by the Industries

1. Compliance Report : *
EC

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EC-NO-F.NO-J-11011/388/2006-IA II (I)

3. EC Order Issued On *
05/18/2007

4. EC Order Issued By *
MoEF&CC, Delhi

5. Name of the Industry *
Coromandel International Limited

6. Address *
Srinagarapuram, Makkapuram PO Visakhapatnam - 5301

7. District *
Visakhapatnam

8. Email *
nagarajud@coromandel.munugappa.com

9. Phone *
8790035522

10. Status of Compliance *
Complied

11. Upload the Compliance Report : *

Choose File MoEF Complex EC - PAP.pdf

Note : *

Environmental Clearance (EC) : Project proponent shall submit Half-yearly EC Compliance report certified by accredited consultant (self-certified compliance report in case of small projects)

Submit

EHS/APPCB/2024 - 146

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 for Environmental Clearance order for enhanced production capacity of Phosphoric acid plant from 500 MTPD to 700 MTPD as on 30.12.2024 - Reg

Ref: 1. EC Order No - F.No. J-11011/388/2006-IA II (I) - Date 18.05.2007
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 Environmental Clearance issued by MoEF, Newdelhi vide F.No. J-11011/388/2006-IA II (I) dated 18.05.2007 of M/s Coromandel International Limited, Sriharipuram Visakhapatnam for enhanced production capacity of Phosphoric acid plant from 500 MTPD to 700 MTPD duly Certified by M/s TEAM 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.

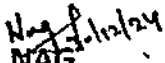
This is for information please.

Thanking you,

Yours faithfully

For Coromandel International Limited


Gnanasundaram M
Vice President & Head Mfg.


NAG

Enclosures: 1. EC 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.

@@@

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**

NABL

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**

TEAM**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

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

**MoEF-EC- COMPLIANCE STATUS OF Environmental Clearance (EC) issued by
MOEF for enhanced production capacity of Phosphoric acid plant from 500 MTPD
to 700 MTPD**

Reference : F No. J-11011/388/2006-IA II (I) dated 18.05.2007

(For the period from June -24 to November -24)

A. SPECIFIC CONDITIONS:

S.No.	Specific conditions	Compliance status
i.	The gaseous emissions (SO ₂ , NO _x , NH ₃ , Urea dust) particulate matter from various process units shall conform to the standards prescribed by the concerned authorities from time to time. Monitoring of HF shall be carried out along with other parameters. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.	<p>Complied</p> <p>All the applicable gaseous parameters including that of Fluorides are monitored vide online OCEMS and are connected to the APPCB & CPCB and are maintained within the limits. Necessary interlocking are in place to limit the emission within the limits.</p> <p>Regular 3rd party monitoring reports are submitted to the concerned authorities</p> <p>A copy of the acknowledgment herewith is enclosed as Annexure - 01.</p>



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Recognised as Environmental Laboratory under Environmental (Protection) Act 1986

NABL Accredited Laboratory (Certificate No. TC-12956)

EIA Consultancy Accredited by NABET, Quality Council of India.

TEAM

Labs and Consultants

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

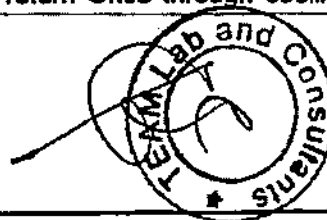
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S.No.	Specific conditions	Compliance status
ii.	Ambient air quality monitoring stations shall be set up in the downwind direction as well as where maximum ground level concentration is anticipated in consultation with the APPCB and data submitted to the Ministry's Regional Office at Bangalore six monthly and APPCB quarterly along with statistical analysis.	Complied Installed three online monitoring AAQM stations and connected them to the APPCB server. Ambient air quality is also being monitored through MoEF approved laboratory and AAQMS data is submitted to MoEFCC& APPCB regularly. Quarterly reports are being submitted to APPCB.(Acknowledgment copy is attached) A copy of the submitted acknowledgment is enclosed Annexure - 02
iii.	Total water requirement will be met from Municipal Water supply. No effluent will be generated from water-soluble fertilizer plant since entire quantity of water will be recycled in the process. Liquid effluent from cooling tower blow down will be recycled and reused in phosphoric acid / granulation plants and in case of no consumption, it will be sent to ETP. Treated effluent will be disposed off into the sea at a distance of 5.0 K through a channel.	Complied Presently the water requirement are met through the 6 MLD de-salination plant and 16600KLD GVMC supply. - Effluent generated from Water Soluble Fertilizer plant and cooling Tower blow down water are recycled in the process. - Once through cooling is discharged into sea at a distance of more than 6 KM through a channel.
iv.	Prior clearance under the Coastal Regulation Zone (CRZ) shall be obtained from the State / Central Govt. for the disposal of treated effluent into the Sea.	Complied Industry obtained permission to discharge its treated effluents from ETP and return Once through cooling water



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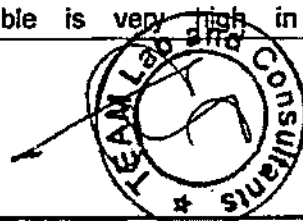
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Coromandel International Limited, Visakhapatnam

S.No.	Specific conditions	Compliance status
		<p>in a common channel provided by the Visak Port authorities since the plant was established in 1967 (prior to CRZ rules 1991)</p> <p>The discharge point is approx. 03 km away from the Meghadrigedda overflow channel. All other industries (HPCL, APCL, IOCL, and BPCL) are also discharging into a common channel.</p>
v.	Regular monitoring of groundwater by installing Piezometric wells around the guard pond and sludge disposal site shall be periodically monitored and reports submitted to Ministry's Regional Office at Bangalore, CPCB and APPCB.	<p>Complied</p> <p>Groundwater monitoring through 5 Piezo wells and 8 Bore wells located in and around the guard pond and reports furnishing to APPCB regularly.</p> <p>A copy of the submitted acknowledgment is enclosed in Annexure - 03</p>
vi.	Gypsum produced as a by-product from phosphoric acid plant shall be utilized in cement industries as a retarded as well as soil conditioner for agricultural use. Waste oil shall be sold to the authorized recyclers / preprocessors.	<p>Complied</p> <p>Gypsum is being disposed off to various nearby industries, predominantly Cement industries and also for agricultural purposes.</p> <p>Waste oil is being disposed to CPCB-approved recyclers.</p>
vii.	The company shall adopt rainwater-harvesting measures to reduce	Rain water harvesting is not feasible as the plant is very close to the sea and water table is very high in the



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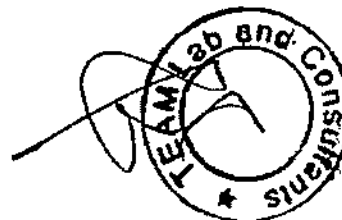
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S.No.	Specific conditions	Compliance status
	requirement of the fresh water.	area. However collection pit provided for the collection of the storm water and recycling it in the process to conserve the fresh water.
viii.	Green belt shall be developed in 33 % area and properly maintained to mitigate the effects of fugitive emissions all around the plant as per the Central Pollution Control Board guidelines.	Complied Out of the 428 acres, the revised land area is 313 (after demarking from VPT) and the green belt is developed in 120 acres area which is more than 33%. Photographs of the plantations are attached in Annexure -04
ix.	The company shall implement all the recommendations made in the Charter on Corporate Responsibility for Environmental Protection (CREP) for fertilizer industries.	Complied. A copy of the submitted half-yearly CSR report is enclosed in Annexure - 05



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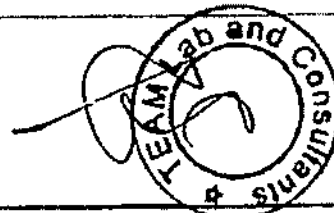
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Coromandel International Limited, Visakhapatnam

B. GENERAL CONDITIONS :-

S.No.	General conditions	Compliance status
i.	The project authorities must strictly adhere to the stipulations made by the A.P. Pollution Control Board (APPCB) and the State Government	Noted by Industry and shall be Complied
ii.	No further expansion/modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests	Being Complied Prior approval will be taken from statutory body/ MOEF as and when any expansion is envisaged.
iii.	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Wastes (Management & Handling) Rules, 2003.	Complied Industry Maintaining FORM-3 and FORM-13 for storage and transfer of hazardous waste.
iv.	The project proponent shall also comply with all the safeguards recommended in the EIA /EMP Report.	Noted by Industry and shall be Complied
v.	The project authorities will set up a separate environmental management cell for effective implementation of all the above stipulations under control of Senior Executive.	Complied A separate environment management cell at the corporate level headed by AVP, HSE & A separate environment cell plant level headed by Plant EHS level are in place. Industry appointed NABL & MoEFCC accredited Lab to carry out the Environmental monitoring regularly



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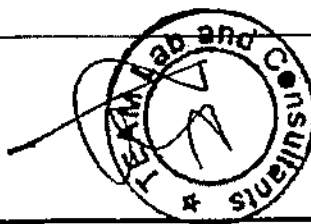
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Coromandel International Limited, Visakhapatnam

S.No.	General conditions	Compliance status
vi.	Adequate funds towards capital cost and recurring expenditure/annum shall be earmarked and judiciously utilized to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government and a time bound implementation schedule for all the conditions stipulated herein shall be submitted. The funds so provided shall not be diverted for any other purposes.	Complied Funds are provided through internal fund allocation systems.
vii.	The Regional Office of this Ministry at Bangalore / Central Pollution Control Board / APPCB will monitor the stipulated conditions. A six-monthly compliance status report and the monitored data along with statistical interpretation shall be submitted to monitoring agencies regularly.	Complied Compliance reports are sent regularly and the same are uploaded to the company website. The company website link is https://www.coromandel.biz A copy of the submitted Half yearly is enclosed in Annexure - 06
viii.	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the APPCB / Committee and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . This should be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which	Complied Advertised in prominent news papers dated - 27.05.2008 in local language and also English, and copies were forwarded to Regional Office, MoEF.



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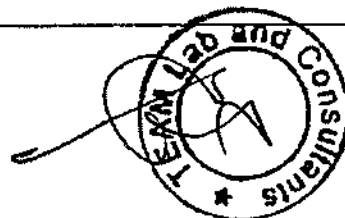
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Coromandel International Limited, Visakhapatnam

S.No.	General conditions	Compliance status
	one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office at Bangalore.	-
ix.	The Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work, if any.	Complied The Project was supported with Internal Fund Allocations. All the projects were completed by 2009-10.
x.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted by Industry
xi.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner will implement these conditions.	Noted by Industry
xii.	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Complied Industry obtained Consent for Operation from APPCB CFO Valid up to 31.08.2027. A copy of the CFO herewith enclosed in Annexure - 07 Industry taken up a public liability Insurance Policy valid till 31.03.2025. A copy of the PLI herewith enclosed in Annexure - 08



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

**RED CATEGORY****CONSENT TO OPERATE & AUTHORIZATION ORDER****Consent Order No : APPCB/VSP/65/CFO/HO/1967 -****Dt. 04/08/2023**

CONSENT is hereby granted to Operate under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21/22 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof and Authorisation under Rule 6 of the Hazardous & Other Wastes (Management and Transboundary, Movement) Rules, 2016 and the rules and orders made there under (hereinafter referred to as 'the Acts', 'the Rules') to:

M/s. Coromandel International Limited,
(After Expansion)

Sriharipuram, Malkapuram (PO)

Visakhapatnam - 530 011

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

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

i) Out lets for discharge of effluents:

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

ii) Emissions from chimneys:

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

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

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

● HAZARDOUS WASTE WITH DISPOSAL OPTION

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

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

● OTHER THAN HAZARDOUS WASTE WITH DISPOSAL OPTION

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

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

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

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

20	Kerosene	1 X 50 KL
21	LPG	870 Kg

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

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

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

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

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

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

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

Copy to:

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

SCHEDULE - A

1. Any up-set condition in any industrial plant / activity of the industry, which result in, increased effluent / emission discharge and/ or violation of standards stipulated in this order shall be informed to this Board, under intimation to the Collector and District Magistrate and take immediate action to bring down the discharge / emission below the limits.
2. The industry should carryout analysis of waste water discharges or emissions through chimneys for the parameters-mentioned in this order on quarterly basis and submit to the Board.
3. Notwithstanding anything contained in this consent order, the Board hereby reserves the right and powers to review / revoke any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board.
4. The industry shall ensure that there shall not be any change in the process technology, source & composition of raw materials and scope of working without prior approval from the Board.

5. The applicant shall submit Environment statement in Form V before 30th September every year as per Rule No.14 of E(P) Rules, 1986 & amendments thereof.
6. The applicant should make applications through Online for renewal of Consent (under Water and Air Acts) and Authorization under HWM Rules at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts and detailed compliance of CFO conditions for obtaining Consent & HW Authorization of the Board.
7. The industry should immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions. Any change in the management shall be informed to the Board. The person authorized should not let out the premises / lend / sell / transfer their industrial premises without obtaining prior permission of the State Pollution Control Board.
8. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules 1982, to Appellate authority constituted under Section 28 of the Water(Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air(Prevention and Control of Pollution) Act, 1981.
9. The industry shall be liable to pay Environmental Compensation / Other Environmental Taxes, if any environmental damage caused to the surroundings, as fixed by the Collector & District Magistrate or any other competent authority as per the Rules in vogue.
10. The industry may explore the possibility of tapping the solar energy for their energy requirements.
11. The industry should educate the workers and nearby public of possible accidents and remedial measures.

SCHEDULE - B

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

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

plants.

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

WATER POLLUTION:

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

Outlet	Parameter	Limiting Standards
1 & 2	pH	6.5 – 8.5
	Ammonical Nitrogen	50 mg/l
	Free Ammonical Nitrogen	4.0 mg/l
	Total Kjeldahl Nitrogen	75 mg/l
	Nitrate Nitrogen	20 mg/l
	Cyanide as CN	0.1 mg/l
	Vanadium as V	0.2 mg/l
	Arsenic as As	0.2 mg/l
	Phosphate as P	5 mg/l
	Suspended solids	100 mg/l
	Oil and Grease	10 mg/l
	Fluoride as F	10 mg/l
	Hexavalent Chromium as Cr	0.1 mg/l
	Total Chromium as Cr	2.0 mg/l
	BOD	30 mg/l
	COD	250 mg/l
	Temp :- Not more than 5 °C higher than intake water.	
3	pH	6.50 – 8.50
	Oil and Grease	10 mg/l
	Biochemical Oxygen Demand	30 mg/l
	Total Suspended Solids	<100 mg/l
	Fecal Coliform (FC) (Most Probable Number per 100 milliliter, MPN/100ml)	<1000 MPN/100 ml

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

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

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

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

8. The effluent discharged shall comply with the tolerance limits mentioned as per MoEF notification dated 29.12.2017 prescribed for Fertilizer industry.

9. The industry shall maintain the following:

- Electro Magnetic flow meters with totalisers for water used and effluent generation for different purposes as mentioned in this CTO order.
- Proper records for effluent generation, treated, reused and discharged into meghadrigedda.
- Water flow meter at Leachate Collection pit provided for Gypsum storage yard to quantify the effluents recycled and shall maintain registers.

10. The effluents shall be stored in above ground level collection tanks separately.

11. Effluents shall not be discharged onland or any water bodies or aquifers or outside under any circumstances. Floor washings shall be admitted into effluent collection system only and shall not be allowed to find their way into storm water drains or open areas. The industry shall maintain separate storm water drains and provide rain water harvesting structure.

12. Container, Container liners shall be detoxified at the specified covered platform with dyke walls and the wash wastewater shall be routed to low TDS collection tank.

13. The industry shall comply with the standard for fluoride (1.5 mg/l) in piezo well water samples and shall not exceed the standard

14. The industry shall submit details of maintaining temperature difference (DT) of 5°C before disposal to Sea via Megadri gedda every month.

15. The industry shall provide online effluent monitoring system for pH, BOD, COD, TSS, Phosphates, Fluorides, temperature with online connectivity to CPCB / APPCB as per CPCB directions dated 05.02.2014 and 02.03.2015.

16. The industry shall ensure that no Fluoride contamination in two piezo wells and monitor piezo wells on monthly basis. The industry shall submit trends every 3 months to RO, Visakhapatnam.

AIR POLLUTION:

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

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

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

18.The industry shall comply with emission limits for DG sets upto 800 KW as per the Notification G.S.R.520 (E), dated 01.07.2003 under the Environment (Protection) Amendment Rules, 2003 and G.S.R.448(E), dated 12.07.2004 under the Environment (Protection) Second Amendment Rules, 2004. In case of DG sets more than 800 KW shall comply with emission limits as per the Notification G.S.R.489 (E), dated 09.07.2002 at serial no.96, under the Environment (Protection) Act, 1986.

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

Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009 shall be complied. Following standards prescribed for noise shall be complied.

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

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

20.The industry shall provide a sampling port with removable dummy of not less than 15 cm diameter in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc. A platform with suitable ladder shall be provided below 1 meter of sampling port to accommodate three persons with instruments. A 15 AMP 250 V plug point shall be provided on the platform.

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

Acid including Fluorine recovery system as stipulated in the EC order dt.14.07.2017.

The industry shall recover fluorine from phosphoric acid process to maximum extent possible.

22.The industry shall operate bulk handling mechanism like telescopic chute system at all raw material storage ware houses and ensure that there shall not be fugitive emissions from the raw material handling warehouses. The industry shall cover all directions of the feeding area of rock phosphate and rectify the fugitive leakages, if any.

23.The industry shall maintain online stack analyzers for all the stacks of complex fertilizer plant for monitoring ammonia, PM and fluorine and one analyser for monitoring fluorine in Phosphoric Acid Plant with online connectivity to CPCB/APPCB as per CPCB directions dated 05.02.2014 and 02.03.2015. The industry shall maintain the online analyzer facility for monitoring of Fluoride in the Phosphoric Acid plant immediately. The data shall be connected to the CPCB / APPCB servers.

24.The industry shall maintain 3 online CAAQM Stations within the plant as per the specifications of CPCB for online monitoring of SPM, RSPM, SO₂, NO_x & Ammonia with networking facility to Head Office, APPCB.

25.The industry shall maintain automatic caustic lye solution dosage for the scrubbers provided in the Sulphuric acid plant so as to maintain pH below 8 in acidic scrubbers provided in the plant. The industry shall maintain online pH measuring facility with auto recording system to the alkali scrubbers provided to treat the sulfuric acid plant emissions.

GENERAL:

26.The industry shall not manufacture new products and not exceed the consented capacity without CTE/CTO of the Board.

27.The industry shall evaporate (concentrate) Phosphoric acid to reduce Fluorine so as to reduce fluorine input to complex fertilizer plant;

28.Housekeeping shall be improved through closed transportation systems. Road sweeping machine shall be deployed for control of dust near Gypsum yard.

29.The industry shall maintain Hazardous waste storage area with concrete platform and leachate collection pit for storage of ETP sludge.

30.The industry shall comply with the guidelines issued by the CPCB regarding storage & handling of gypsum.

31.The industry shall not start-up the Sulfuric acid plants during night time i.e. between 6.00 PM to 8:00 AM.

32.The industry shall operate bag filters at hopper i.e. rock phosphate unloading point at wharf to arrest the fugitive emissions.

33.The industry shall maintain the internal roads within the factory premises.

34.The industry shall update the Disaster Management Plan regularly.

- 35.The industry shall monitor work place online ammonia levels with online sensors in complex fertiliser plant and maintain records.
- 36.The industry shall store fresh gypsum on HDPE lining at the wagon loading area.
- 37.The industry shall submit concentration levels of Ammonia monitored by industry through sensors every month.
- 38.The industry shall ensure ~~that there are~~ no leaks in any unit operations and unit processes.
- 39.The industry shall take proper measures to ensure the trucks with proper leak proof bodies are used for transportation of gypsum from the industry.
- 40.The industry shall maintain the following records and the same shall be made available to the inspecting officers of the Board:
 - a. Daily production details.
 - b. Quantity of Effluents generated, treated, recycled.
 - c. Log Books for pollution control systems.
 - d. Characteristics of effluents and emissions.
 - e. Hazardous/non hazardous solid waste generated and disposed.
 - f. Inspection book.
 - g. Manifest copies of effluents / hazardous waste.
- 41.The industry shall comply with the conditions stipulated in the CTE order No.65/APPCB/CFE/RO-VSP/HO/2012, dated 08.02.2020, 24.08.2022, 27.07.2022 & 22.11.2022
- 42.The industry shall update the information in OCEMS - Industry Information Data Entry Software for Compliance Reporting Protocol in PART-II (Sections F & G) Every Quarter on 1st January, 1st April, 1st July and 1st October through this software system.
- 43.The industry shall maintain valid PLI policy which includes Environmental Relief Fund (ERF) and submit copy to RO, Visakhapatnam on yearly base.
- 44.The industry shall install digital display boards at publicly visible places at the main gate indicating the products manufactured Vs permitted quantities, Treated effluent concentrations Vs discharge standards, Stack emission & AAQ concentrations Vs standards, hazardous waste generation, disposed, stock Vs permitted quantities and validity of CTO; and exhibit the CTO order at a prominent place in the factory premises, as per Hon'ble Supreme Court order.
- 45.The industry shall submit Half yearly compliance reports to all the stipulated conditions in Environmental Clearance (EC), Consent to Establishment (CTE) and Consent to Operation (CTO) through website i.e., <https://pcb.ap.gov.in> by 1st of January and 1st July of every year. The first half yearly compliance reports shall be furnished by the industry and second half yearly compliance reports shall be the

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

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

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

Special conditions:

48.The industry shall submit a copy of the NOC issued by the Andhra Pradesh State Disaster Response and Fire Service Dept., (APSDRFSD) at concerned Regional Office, APPCB.

49.The industry shall prepare a safety report and carry out an independent safety audit report of the respective industrial activities including chemical storages / isolated storages by an expert not associated with such industrial activity as required under Rule 10 of MSIHC Rules, 1989 and get it approved by the Factories Dept., and submit the compliance along with copy of the safety report, safety audit report and safety certificate at concerned Regional Office, APPCB.

50.The industry shall identify major accident hazard chemicals & list out the hazardous chemicals endangered to human health &-environment, and the details shall be furnished to the Factories Department and the Regional Office, APPCB time to time duly certifying the same by the industry. Further, the industry shall extend training to the working personnel while handling hazardous chemicals for the prevention of accidents and necessary antidotes to ensure safety, as per the MSIHC Rules, 1989.

51.The industry shall carryout calibration of safety equipment and leak detection systems at regular intervals and shall certify the same with the Factories Department. That certified copy shall be submitted to the APPCB, Regional Office. The industry shall install fluorescent Wind Vane at the highest point in the industry premises.

52.The industry shall inventory the hazardous wastes and its quantities stored within the industry premises as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 (HOWM Rules, 2016) and shall furnish the details to Regional Office, APPCB on a monthly basis duly certifying the same by the industry.

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

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

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

SCHEDULE - C

[see rule 6(2)]

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

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty".
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. The industry shall enter an agreement with the Cement industries for disposal of incinerable waste or shall dispose to Alternative Fuel Raw material facility (AFRF) OR to TSDF for co-incineration.
9. The industry shall comply with the provisions of HWM Rules, 2016 in terms of interstate transport of Hazardous Waste and manifest document prescribed Under Rule 18 and 19 of the HWM Rules, 2016.
10. The industry shall not store hazardous waste for more than 90 days as per the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.
11. The industry shall store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal to the manufacturers / dealers on buyback basis.
12. The industry shall transport the hazardous waste to cement industries only through vehicle fitted with GPS tracking system.
13. The industry shall maintain 7 copy manifest system for transportation of waste

generated and a copy shall be submitted to concerned Regional Office of APPCB. The driver who transports Hazardous Waste should be well acquainted about the procedure to be followed in case of an emergency during transit. The transporter should carry a Transport Emergency (TREM) Card.

14.The industry shall maintain proper records for Hazardous and Other Wastes stated in Authorisation in Form-3 i.e., quantity of Incinerable waste, land disposal waste, recyclable waste etc., and file annual returns in Form-4 as per Rule 20 (2) of the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.

15.The industry shall route the all the hazardous wastes through M/s. APEMC.

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

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

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/2025 - 052

25-04-2025

To
The Environmental Engineer,
Behind RTA Office, Regional Office 3rd Floor,
A.P Pollution control Board,
M-4havadhara VUDA colony,
Visakhapatnam- 530018,

Dear Sir,

Sub: Submission of Public Liability Act copy (Policy No. 96000036243300000030)

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

With reference to above as per the general condition point No 43 specified in CFO Order No:
APPCBNSP/65/CFO/HO/1967 - 04/08/2023 and Schedule - An in condition no: 03 in CFO Order
No: 7055/APPCB/ZO-VSP/CFU/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: 13/03/2025


To Midnight of: 12/03/2026

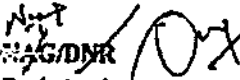
This is for your kind information & Records

Thanking you,

Yours faithfully,

For Coromandel International Limited


Gnanasundaram M
Vice President & Head Mfg.


AG/DNR
Encl. As above



दिन्यू इंडिया एश्योरन्स कंपनी लिमिटेड
बृहत्कोषांगी एडमिनिस्ट्रेशन कार्यालय - ९६०००
7th फ्लोर, मूर्या टावर्स, एमपी रोड, विक्रम नगर
५००००३, तेलंगाना
दूरभाष - ०४०-२७८१०३००, २७८१०३०२
फैक्स - ०४०-६६२६६६६३

हिन्दी हमारी पट्टमावाही, तारे देश की बाराही



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. 96000036243300000030

List of 19 Locations attached and forming part of Public Liability (Act only) Policy no:
96000036243300000030, Policy period : 13-03-2025 to 12-03-2026.

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



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	HYDRABAD LCBO 950000 (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	MitalA@coromandel.murugappa.com, /	E-mail/Fax	nia.960000@newindia.co.in /
TAN No.	AAACC7852K	S.Tax Regn. No	AAACN4165CST178
GSTIN/PM	36AAACC7852K2D / NA	GSTIN	36AAACN4165C320
		SAC	997139 (Other non-life insurance services excl RI)

Policy Details			
Policy Number	96000036243300000030	Business Source Code	
Period of Insurance	From: 13/03/2025 12:00:01 AM To: 12/03/2026 11:59:59 PM	Dev.Off. level/Broker/Corp. Agent/Web Agent/CPSC User	Marsh India Insurance Brokers Pvt. Ltd. - (2D10672900) Marsh_India_121400 - (2D10685525).
Date of Proposal	13-Mar-25	Agent/Bancassurance/Specified Person	
Prev. Policy no.		Phone No	7045922442, 8657561533 / NA
Client Type	Corporate	E-mail/Fax	Karnal.Phenwani@marsh.com, Pravin.chandvekar@marsh.com / /

Premium(₹)	ERF Premium(₹)	GST(₹)	Total (₹)	Total (₹ In words)	Receipt No. & Date
930000	930000	167,400	20,27,400	RUPEES TWENTY LAC TWENTY SEVEN THOUSAND FOUR HUNDRED ONLY	9600008124000000813 9 - 27/03/25

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	Deductibles	No of workmen	No of Other Employee
13/03/2025	>15 Crore <= 25 Crore	19	300000000	1:2	600000000	2235000000	2500000000	14000	5000	

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		19	50000000	1.3	150000000	1500000000	2235000000	14000	5000	
RETROACTIVE DATE 2	13/03/2025		19	300000000	1.2	600000000	2235000000	2500000000	14000	5000	

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



Policy No. : 96000036243300000030 Document generated by 38308 at 27/03/2025 16:53:37 Hours.
Regd. & Head Office: New India Assurance Bldg., 87 M.G. Road, Fort, Mumbai - 400 001. TOLL FREE No. 1 800 209 1415.

THE NEW INDIA ASSURANCE CO. LTD.
(Government of India Undertaking)



Extensions under the Policy

Name of the Extension	Sub Limit of the Extension	Deductibles of the Extension
Special Conditions	Deductible: 5% of claim amount eel. sub to a min of ₹10,000 No higher limits to be purchased without prior consent of NIA Any liability arising out of Pandemics/Epidemics as declared by WHO and/or by Govt of India - Excluded Communicable Disease exclusion Prior & Pending Litigation exclusion If there exists any other policy covering the same interest/risk, this policy will operate as an excess policy LMA 5399, LMA 5457, LMA 5458, LMA 5453, 5595A applicable	
Special Exclusions	NA	
Special Excess/Deductible	10000	
Retroactive Dates	Date	
Retroactive date	13/03/2025	

Coinsurance Details :

Sl.No.	Coinsurance Type	Company	Office Code	% Share	Premium Share
1	Outgoing	BAJAJ ALLIANZ GENERAL INSURANCE CO. LTD.	001501_001501	25	465000
2	Outgoing	SBI GENERAL INSURANCE COMPANY LIMITED	000010_000010	25	465000
3	Outgoing	NEW INDIA ASSURANCE CO. LTD.	HYDERABAD LCBO 960000	25	465000
4	Outgoing	HDFC ERGO GENERAL INSURANCE CO. LTD.	001000_001000	25	465000

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		₹ 18,60,000
SGST	9	83700
CGST	9	83700
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 27th day of March 2025.

Date of Issue: 27/03/2025

For and on behalf of
The New India Assurance Company Limited

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 : 96000024P0011854

IRDA Registration Number: 180
NIA PAN NUMBER: AAACN4165C

1. 465

4. 424

EHS/MoEF/2025 - 065

31/05/2025

To
The Director,
Regional Office (South Eastern Zone),
Ministry of Environment, Forests and Climate Change,
1st and 2nd Floor, Handloom Export Promotion Council,
34, Cathedral Garden Road,
Nungambakkam, Chennai-600034.

Dear Sir,

Sub: Half Yearly EC (Environment Clearance) Compliance Report- regd.

Ref: F. No. J-11011/314/2007-IA II(I) dated 31.08.2007.

Please find the attached half yearly compliance report of Environment Clearance issued by MOEFCC for enhanced production capacity of complex fertilizer plant from 2700 MTPD to 3900 MTPD.

Period of submission : **Oct'24 to Mar'25**

Unit : Coromandel International Limited, Visakhapatnam

Thanking You,

Yours Sincerely,

For Coromandel International Limited



M. Gnanasundaram
VP – Head Manufacturing


NAG /DNR

Encl : a/a

CC: The Member Secretary, Head Office-APPCB, Vijayawada
Joint Chief Environmental Engineer, APPCB, Zonal Office, Visakhapatnam
Environmental Engineer, APPCB, Regional Office, Visakhapatnam

EHS2-Vizag-Coromandel

From: Nagarjuna-P-Mgr-EHS-Vizag-Coromandel
Sent: 02 June 2025 16:40
To: ecompliance-ap@gov.in; APPCB RO, VSP; zovspappcb
Cc: EHS2-Vizag-Coromandel; Nageswara Rao G-AsstMgr-EHS-Vizag-Coromandel;
Subhradip Mondal-Sr.Mgr-Environment-Fertiliser-Vizag-Coromandel; Nagaraju D-
AGM-EHS-Vizag-Coromandel; Vinod Kumar Mishra-Sr.GM-EHS-Vizag-Coromandel
Subject: Half Yearly EC (Environment Clearance) Compliance Report- regd.
Attachments: MoEF Complex EC- Complex (Oct -2024 to March -2025).pdf

Dear Sir,

Ref: F. No. J-11011/314/2007-IA II(I) dated 31 08.2007

Please find the attached half yearly compliance report of Environment Clearance issued by MOEFCC for enhanced production capacity of complex fertilizer plant from 2700 MTPD to 3900 MTPD.

Period of submission : October -2024 to March-2025.
Unit : Coromandel International Limited, Visakhapatnam

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, Visakhapatnam

MoEF-EC- COMPLIANCE STATUS OF Environmental Clearance (EC) issued by
MoEF for enhanced production capacity of complex fertilizer plant from
2700 MTPD to 3900 MTPD

Reference : Ref: J11011/314/2007-IA II (I) dt. 31st August, 2007

Period : For the period from Oct-2024 to March-2025

A.) SPECIFIC CONDITIONS:

S. NO	CONDITION	COMPLIANCE STATUS
i)	<p>The expansion of the project shall be based on process improvement, technology innovation, improving on stream-hours maximization of equipment capacity and continuous supply of raw materials.</p> <p>No Sulphuric acid and phosphoric acid plant shall be installed for additional requirement of Sulphuric and phosphoric acid. Due to enhancement of production pollution load shall not increase from the existing load.</p>	<p>The Complex plant during its upgradation was done with below mentioned improvements and technology innovations.</p> <ul style="list-style-type: none">• Usage of higher capacity pipe-reactor with improved technology.• Upgrading drives for Dryer, bucket elevators, installation of new piping, pre-heaters and higher efficiency scrubber nozzles. Also enhanced infrastructure to handle the additional quantity of raw materials, bulk and finished products.• We have done the plant expansion after obtaining the necessary Environmental clearance from the MoEFCC and APPCB. <p>Reference EC: - F No. J-11011/388/2006-IA II (I) dated 18.05.2007 and F. No. J-11011/548/2008-IA-II(I) dated June 10, 2009.</p>
ii)	<p>The project authorities shall install efficient scrubbing system to control fluorine emission and bag filters for dust control in phosphoric acid plant.</p>	<p>Installed fume scrubber at phosphoric acid plant to reduce the fluorine emissions and Bag filters at Rock-grinding Section to meet the norms specified by the statutory authorities.</p>
iii)	<p>Multi stage scrubbing system shall be installed to control ammonia, fluorine and</p>	<p>Multi-stage (Four-stage) scrubbing system was incorporated for 'A' &</p>

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S. NO	CONDITION	COMPLIANCE STATUS
	suspended particulate matter in fertilizer plant.	<p>'B' Trains in the year 2001 and for C-Train, in the year 2000. Presently, the emissions of ammonia and fluorine from all the stacks are within the limits specified by the statutory authorities.</p> <p>Monitoring the fluoride emissions and meeting the standard of 4 mg/Nm³ from the stack of phosphoric acid plant and reports are being submitted to APPCB.</p> <p>The gaseous emissions are being monitored on a continuous basis with in house laboratory. Further, MoEF approved third party analysis is also being carried out on monthly basis and the reports are submitted regularly.</p> <p>Complex A, Complex-B & Complex C train were installed with online stack analyzer and the data is uploading to APPCB & CPCB websites through cloud server.</p> <p>SAP-I & SAP-II installed with online stack analyzer and connected to CPCB & APPCB websites.</p> <p>Phosphoric acid and rock grinding units were installed with PM Online stack analyzers. The HF analyzer is also installed at Phosphoric acid plant.</p> <p>All the analysis are connected to APPCB & CPCB websites.</p>
iv)	The project authority shall install dust collection system in fertilizer bagging plant.	<p>We implemented Pipe reactor technology for improving the granulation and reduce the dust level.</p> <p>We have additionally implemented</p>

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S. NO	CONDITION	COMPLIANCE STATUS
		<p>product dust prevention system by bringing modifications & improvements in the manufacturing process</p> <p>Additional product dust screens are arranged to remove the dust even before it reaches bagging plant.</p> <p>Product granulation aids (chemicals) are added to increase the granule strength as a result the product dust formation drastically reduced.</p> <p>We added de-dusting and scrubbing system for recovery of dust in the granulation plant.</p> <p>With the above actions, we avoided dust formation and avoided installation of bag filters in the bagging section as the product is hygroscopic in nature.</p>
v)	The Sulphuric Acid Plant shall be based on double conversion double absorption technology and anodically protected acid coolers shall be provided. Start-up scrubbers shall be installed in both Sulphuric acid plants to minimize SO ₂ emission during start-up.	The Sulphuric Acid Plant are based on double conversion double absorption technology and we have Installed alkali scrubbers in the Sulphuric acid plants and SO ₂ emissions are below the norms prescribed by APPCB.
vi)	The project authority shall install high efficiency scrubber nozzles, additional tail gas scrubber, improve the scrubber efficiency by optimizing the L/G ratio, install additional cyclones in scrubbing system, and install mist eliminators in scrubbers.	Installed higher-efficiency scrubber nozzles. Improved L/G ratio through installing higher capacity scrubber circulation pumps and standby cyclones kept in place to prevent the dust emissions.
vii)	Permission of the competent authority shall be obtained for drawl of additional quantity of 250m ³ /d existing Tatipudi and Meghadrigedda reservoirs.	No additional water is required from Municipal Corporation and existing quantities (De-desalination plant and GVMC) are adequate to meet additional requirements.

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S. NO	CONDITION	COMPLIANCE STATUS
viii)	The gaseous emissions (SO ₂ , SO ₃ , NO _x , NH ₃ , F, fertilizer dust) and particulate matter from various process units shall conform to the standards prescribed by the concerned authorities from time to time. Emission data shall be periodically monitored and reports submitted to Ministry's Regional Office, CPCB and SPCB.	<p>Complied</p> <p>All the applicable gaseous parameters including that of Fluorides are monitored vide online OCEMS and are connected to the APPCB & CPCB and are maintained within the limits. Necessary interlocking are in place to limit the emission within the limits.</p> <p>Regular 3rd party monitoring reports are submitted to the concerned authorities.</p> <p>A copy of the acknowledgment herewith is enclosed as Annexure – 01</p>
ix)	All the wastewaters generated from the various processes shall be recycled / reuse in the plant and zero discharge shall be maintained. The domestic wastewater shall be treated in septic tanks and treated waste shall be used for irrigation in the greenbelt.	Effluents from Sulfuric acid & Phosphoric acid are being treated in effluent treatment plant and recycled back in process. Zero effluent discharge from complex fertilizer plant. Sewage treatment plant has been provided for domestic wastewater treatment and the treated water is used for plantation.
x)	The proponent shall not withdraw groundwater for the plant and if it requires, the permission from the competent authority CGWA / SGWB shall be obtained.	Not applicable. No Ground water withdrawal.
xi)	The company shall develop the greenbelt in atleast 25% land area to mitigate the effect of fugitive emissions and noise as per the guidelines CPCB.	<p>Out of the 428 acres, the revised land area is 313 (after demarking from VPT) and the green belt is developed in 120 acres area which is more than 33%. Hence Complied.</p> <p>Photographs of the plantations are attached in Annexure-02</p>
xii)	The company shall implement all the recommendations made in the Charter on Corporate Responsibility for Environmental Protection (CREP) for fertilizer industries	<p>Complied.</p> <p>A copy of the submitted half-yearly CSR report is enclosed in Annexure – 03</p>

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B) GENERAL CONDITIONS:

	CONDITION	COMPLIANCE STATUS
i)	The project authorities shall strictly adhere to the stipulations of the SPCB/state government or any statutory body.	Agreed.
ii)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	No further expansion would be taken up without prior environment clearance.
iii)	At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	In case of any upset in the process resulting in increase of emissions, the plant is stopped immediately for taking necessary actions.
iv)	The locations of ambient air quality monitoring stations shall be reviewed in consultation with the State Pollution Control Board (SPCB) and additional stations shall be installed, if required, in the downwind direction as well as where maximum ground level concentrations are anticipated.	Complied We have installed 03 numbers of online ambient air monitoring stations and we have also monitored the ambient air through a third party at 05 Locations. The reports are submitted regularly.
v)	Dedicated scrubbers and stacks of appropriate height as per the Central Pollution Control Board guidelines shall be provided to control the emissions from various vents. The scrubbed water shall be sent to ETP for further treatment.	Installed stacks to the scrubbers as per the CPCB guidelines. Scrubbing liquid generated in the complex plant is reused in the process. ETP provided to treat the effluent. In Phosphoric acid plant, the fluorine recovery is done converting it to Hydro-flouro sillicic acid.
vi)	All the storage tanks will be under negative pressure to avoid any leakages. Breather valves, N ₂ blanketing and secondary condensers with brine chilling system shall be provided for all the storage tanks to minimize vapor losses. All liquid raw material shall be stored in storage Tanks	Installed atmospheric ammonia storage tanks to store ammonia. Ammonia sensors are located at various locations within the factory premises.

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	CONDITION	COMPLIANCE STATUS
	and Drums.	All liquid raw material is stored in storage Tanks and Drums only.
vii)	<p>The company shall undertake following Waste Minimization measures.</p> <ul style="list-style-type: none"> ➤ Metering and control of quantities of active ingredients to minimize waste. ➤ Reuse of by-products from the process as raw materials or as raw material substitutes in other processes ➤ Use of automated filling to minimize spillage. 	<p>Installed grinding unit to recycle filter cake into granulation plant</p> <p>Constructed acid recovery pits to reuse in the process</p> <p>Identified dedusting points and connected to cyclones</p> <p>Water meters and energy meters provided to water lines and pollution control equipment.</p> <p>Installed pipe conveyors to transfer rock phosphate.</p>
	<ul style="list-style-type: none"> ➤ Use of "Close Feed" system into batch reactors. ➤ Venting equipment through vapor recovery system. ➤ Use of high-pressure hoses for equipment cleaning to reduce wastewater generation. 	These conditions are not applicable to our industry.
viii)	Fugitive emissions in the work zone environment, product, and raw materials storage area shall be regularly monitored. The emissions shall conform to the limits imposed by the State Pollution Control Boards/Central Pollution Control Board.	<p>Complied</p> <p>copy of the third-party fugitive emission monitoring reports herewith is enclosed as Annexure - 04</p>
ix)	The project authorities shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended in October, 1994 and January, 2000 and Hazardous Waste (Management and Handling) Rules, 1989, as amended from time to time. Authorization from the SPCB shall be obtained for collection, treatment, storage, and disposal of hazardous wastes.	<p>Complied</p> <p>We are complaining with the MSIHC Rule 1989 as amended in 2000 and also we are complaining with the Hazardous waste management rules 1988.</p> <p>We have obtained CCA (Combined Consent Authorization) from APPCB is valid up to 31.08.2027</p> <p>A copy of the CFO is enclosed in Annexure - 05</p>

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	CONDITION	COMPLIANCE STATUS
x)	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Complied Noise monitoring is being carried out and the noise levels are within the prescribed norms. A copy of third-party noise monitoring reports is herewith is enclosed as Annexure – 06
xi)	The company shall develop rainwater-harvesting structures to harvest the run off water for recharge of ground water.	Rain water harvesting is not feasible as the plant is very close to the sea and water table is very high in the area. However, we have provided collection pit for the collection of the storm water and recycling it in the process to conserve the fresh water.
xii)	Occupational health surveillance of the workers shall be carried out on a regular basis and records shall be maintained as per the Factories Act.	Complied Dedicated OHC is available within the factory premises with full time doctor availability. Regularly conducting Annual medical check-up for employees and contract workmen according to Factories act
xiii)	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment. The eco-development plan should be submitted to the SPCB within three months of receipt of this letter for approval.	Complied. A copy of the submitted half-yearly CSR report is enclosed in Annexure – 03
xiv)	The project proponent shall also comply with all the environmental protection measures and safeguards proposed in the EIA / EMP report.	Agreed.
xv)	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Complied A separate environment management cell at the corporate level headed by AVP, HSE & A separate environment cell, plant

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	CONDITION	COMPLIANCE STATUS
		level headed by Plant EHS level are in place. We have engaged NABL & MoEFCC accredited Lab to carry out the Environmental monitoring regularly
xvi)	The project authorities shall earmark adequate funds to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Complied
xvii)	The implementation of the project vis-à-vis environmental action plans shall be monitored by the concerned Regional Office of the Ministry/SPCB / CPCB. A six-monthly compliance status report shall be submitted to monitoring agencies and shall be posted on the website of the Company.	Complied Compliance reports are sent regularly and the same are uploaded to the company website. The company website link is https://www.coromandel.biz/A copy of the submitted Half yearly is enclosed in Annexure – 07
xviii)	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Advertised in prominent newspapers in local language and also English, and copies were forwarded to Regional Office, MoEF, Bangalore and SPCB.
xix)	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	All the projects were completed by 2009-10 with internal accruals.

TEAM**ORIGINAL**

Form-No. TCLA/GF/RF-138

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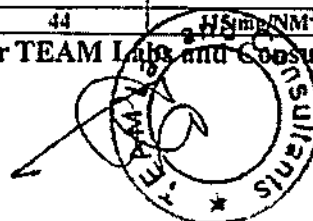
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Ph. : (O) 040-23748555 / 23748616, Fax : 040-23748666, Email : teamlabs@gmail.com

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

Test Report No	TLC/V/Env/CIL/16/1024			dt.01.11.2024	
Description of Test	Source Emission Monitoring inside the CIL				
Name of the client	Coromandel International Limited, Visakhapatnam				
Location of sampling	stacks attached to respective plants as per details given				
SOURCE/STACK EMISSION MONITORING FOR THE MONTH OF OCTOBER-2024					
S.No.	Stack attached to	Flow rate NM ³ /Hr	parameters	Conc. mg/NM ³	APPCB Standard Limit
1	Complex A	287637	Particulate matter	16	45 mg/NM ³
			Ammonia	58	165.0 mg/NM ³
			Fluoride	1.0	4.0 mg/NM ³
2	Complex B	267874	Particulate matter	17	45 mg/NM ³
			Ammonia	60	165.0 mg/NM ³
			Fluoride	1.2	4.0 mg/NM ³
3	Complex C	207978	Particulate matter	14	45 mg/NM ³
			Ammonia	44	165.0 mg/NM ³
			Fluoride	1.3	4.0 mg/NM ³
4	Sulphuric acid plant-I	99329	Sulphur dioxide	0.329Kg/MT (235mg/NM ³)	1 Kg/MT
			Sulphur trioxide	0.02Kg/MT (15mg/NM ³)	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
5	Sulphuric acid plant-II	29167	Sulphur dioxide	0.161Kg/MT (95mg/NM ³)	0.65 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
6	Phosphoric acid plant-I	133440	Particulate matter	30	50 mg/NM ³
			Fluoride	3.3	20 mg/NM ³
7	Rock grinding unit (N-1)PAAP1	7067	Particulate matter	40	50 mg/NM ³
			Total Fluoride	3.5	20 mg/NM ³
8	Rock grinding unit (N-3)PAAP2	7346	Particulate matter	38	50 mg/NM ³
			Total Fluoride	3.3	20 mg/NM ³
9	Wharf Boiler	10797	Particulate matter	47	115 mg/NM ³
10	Phosphoric acid plant-2	37268	Particulate matter	27	50 mg/NM ³
			Total Fluoride	3.7	20 mg/NM ³
11	Rock grinding unit (N-2)PAP1	6653	Particulate matter	44	50 mg/NM ³
			Total Fluoride	4.2	20 mg/NM ³
12	New SAP-3	50191	Sulphur dioxide	0.037Kg/MT (52mg/NM ³)	1 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
13	DG1	12077	Particulate matter	40	115 mg/NM ³
14	DG2	12030	Particulate matter	44	115 mg/NM ³

For TEAM Labs and Consultants



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Labs and Consultants**Registered Office :**

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

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

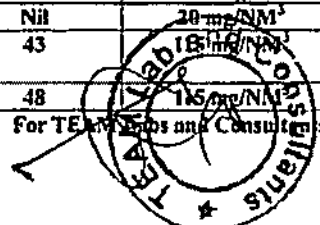
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TEST REPORT

Test Report No	TLCN/Env/CIL/16/1124				dt.02.12.2024
Description of Test	Source Emission Monitoring inside the CIL				
Name of the client	Coromandel International Limited, Visakhapatnam				
Location of sampling	stacks attached to respective plants as per details given				
SOURCE/STACK EMISSION MONITORING FOR THE MONTH OF NOVEMBER-2024					
S.No.	Stack attached to	Flow rate NM ³ /Hr	parameters	Conc. mg/NM ³	APPCB Standard Limit
1	Complex A	282609	Particulate matter	18	45 mg/NM ³
			Ammonia	62	165.0 mg/NM ³
			Fluoride	0.9	4.0 mg/NM ³
2	Complex B	257666	Particulate matter	18	45 mg/NM ³
			Ammonia	68	165.0 mg/NM ³
			Fluoride	1.0	4.0 mg/NM ³
3	Complex C	215727	Particulate matter	20	45 mg/NM ³
			Ammonia	48	165.0 mg/NM ³
			Fluoride	1.1	4.0 mg/NM ³
4	Sulphuric acid plant-I	97903	Sulphur dioxide	0.304Kg/MT (220mg/NM ³)	1 Kg/MT
			Sulphur trioxide	0.028Kg/MT (20mg/NM ³)	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
5	Sulphuric acid plant-II	26619	Sulphur dioxide	0.167Kg/MT (105mg/NM ³)	0.65 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
6	Phosphoric acid plant-1	131104	Particulate matter	28	50 mg/NM ³
			Fluoride	4.3	20 mg/NM ³
7	Rock grinding unit (N-1)PAAP1	6653	Particulate matter	42	50 mg/NM ³
			Total Fluoride	3.8	20 mg/NM ³
8	Rock grinding unit (N-3)PAAP2	7067	Particulate matter	35	50 mg/NM ³
			Total Fluoride	3.1	20 mg/NM ³
9	Wharf Boiler	10769	Particulate matter	42	115 mg/NM ³
10	Phosphoric acid plant-2	37794	Particulate matter	30	50 mg/NM ³
			Total Fluoride	3.9	20 mg/NM ³
11	Rock grinding unit (N-2)PAP1	6237	Particulate matter	47	50 mg/NM ³
			Total Fluoride	4.0	20 mg/NM ³
12	New SAP-3	47948	Sulphur dioxide	0.041Kg/MT (60mg/NM ³)	1 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
13	DG1	11426	Particulate matter	43	115 mg/NM ³
14	DG2	1180	Particulate matter	48	115 mg/NM ³

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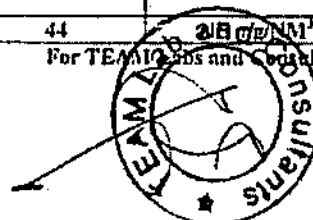
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Recognised as Environmental Laboratory under Environmental (Protection) Act 1986
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TEST REPORT

Test Report No	TLC/Env/CIL/17/1224			dt.31.12.2024	
Description of Test	Source Emission Monitoring Inside the CIL				
Name of the client	Coromandel International Limited, Visakhapatnam				
Location of sampling	stacks attached to respective plants as per details given				
SOURCE/STACK EMISSION MONITORING FOR THE MONTH OF DECEMBER-2024					
S.No.	Stack attached to	Flow rate NM ³ /Hr	parameters	Conc. mg/NM ³	APPCB Standard Limit
1	Complex A	263985	Particulate matter	19	45 mg/NM ³
			Ammonia	80	165.0 mg/NM ³
			Fluoride	1.2	4.0 mg/NM ³
2	Complex B	252704	Particulate matter	20	45 mg/NM ³
			Ammonia	75	165.0 mg/NM ³
			Fluoride	1.3	4.0 mg/NM ³
3	Complex C	216128	Particulate matter	22	45 mg/NM ³
			Ammonia	65	165.0 mg/NM ³
			Fluoride	1.2	4.0 mg/NM ³
4	Sulphuric acid plant-I	96160	Sulphur dioxide	0.312 Kg/MT (230mg/NM ³)	1 Kg/MT
			Sulphur trioxide	0.027 Kg/MT (20mg/NM ³)	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
5	Sulphuric acid plant-II	29076	Sulphur dioxide	0.174 Kg/MT (100mg/NM ³)	0.65 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
6	Phosphoric acid plant-1	127993	Particulate matter	34	50 mg/NM ³
			Fluoride	4.4	20 mg/NM ³
7	Rock grinding unit (N-1)PAAP1	6736	Particulate matter	40	50 mg/NM ³
			Total Fluoride	3.2	20 mg/NM ³
8	Rock grinding unit (N-3)PAAP2	7346	Particulate matter	37	50 mg/NM ³
			Total Fluoride	2.9	20 mg/NM ³
9	Wharf Boiler	6564	Particulate matter	44	115 mg/NM ³
10	Phosphoric acid plant-2	39914	Particulate matter	32	50 mg/NM ³
			Total Fluoride	3.5	20 mg/NM ³
11	Rock grinding unit (N-2)PAP1	6098	Particulate matter	46	50 mg/NM ³
			Total Fluoride	3.8	20 mg/NM ³
12	New SAP-3	46154	Sulphur dioxide	0.052 Kg/MT (80mg/NM ³)	1 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
13	DG1	11117	Particulate matter	40	115 mg/NM ³
14	DG2	10985	Particulate matter	44	20 mg/NM ³

For TEAM Labs and Consultants



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Form-No. TCLUGF/RF-138

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

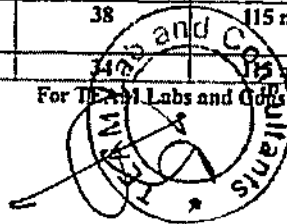
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TEST REPORT

Test Report No		TLC/V/Env/CIL/17/0125		dt.01.02.2025	
Description of Test		Source Emission Monitoring inside the CIL			
Name of the client		Coromandel International Limited, Visakhapatnam			
Location of sampling		stacks attached to respective plants as per details given			
SOURCE/ STACK EMISSION MONITORING FOR THE MONTH OF JANUARY-2025					
S.No.	Stack attached to	Flow rate NM ³ /Hr	parameters	Conc. mg/NM ³	APPCB Standard Limit
1	Complex A	258757	Particulate matter	21	45 mg/NM ³
			Ammonia	65	165.0 mg/NM ³
			Fluoride	1.0	4.0 mg/NM ³
2	Complex B	242206	Particulate matter	19	45 mg/NM ³
			Ammonia	90	165.0 mg/NM ³
			Fluoride	1.2	4.0 mg/NM ³
3	Complex C	213639	Particulate matter	18	45 mg/NM ³
			Ammonia	70	165.0 mg/NM ³
			Fluoride	1.4	4.0 mg/NM ³
4	Sulphuric acid plant-I	93924	Sulphur dioxide	0.324Kg/MT (245mg/NM ³)	1 Kg/MT
			Sulphur trioxide	0.033Kg/MT (25mg/NM ³)	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
5	Sulphuric acid plant-II	26955	Sulphur dioxide	0.18Kg/MT (110mg/NM ³)	0.65 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
6	Phosphoric acid plant-1	128217	Particulate matter	32	50 mg/NM ³
			Fluoride	4.9	20 mg/NM ³
7	Rock grinding unit (N-1)PAAP1	6098	Particulate matter	44	50 mg/NM ³
			Total Fluoride	3.3	20 mg/NM ³
8	Rock grinding unit (N-3)PAAP2	6930	Particulate matter	36	50 mg/NM ³
			Total Fluoride	2.7	20 mg/NM ³
9	Wharf Boiler	9969	Particulate matter	42	115 mg/NM ³
10	Phosphoric acid plant-2	40898	Particulate matter	30	50 mg/NM ³
			Total Fluoride	3.0	20 mg/NM ³
11	Rock grinding unit (N-2)PAP1	5821	Particulate matter	45	50 mg/NM ³
			Total Fluoride	3.4	20 mg/NM ³
12	New SAP-3	43114	Sulphur dioxide	0.043Kg/MT (70mg/NM ³)	1 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
13	DG1	11296	Particulate matter	38	115 mg/NM ³
14	DG2	11079	Particulate matter		115 mg/NM ³

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

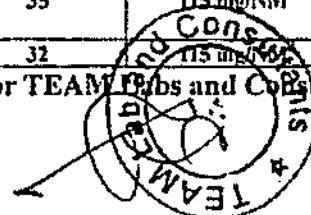
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NABL Accredited Laboratory (Certificate No. TC-12956)

TEST REPORT

Test Report No		TLC/V/Env/CIL/16/0225		dt.02.03.2025	
Description of Test		Source Emission Monitoring inside the CIL			
Name of the client		Coromandel International Limited, Visakhapatnam			
Location of sampling		stacks attached to respective plants as per details given			
SOURCE/ STACK EMISSION MONITORING FOR THE MONTH OF FEBRUARY-2025					
S.No.	Stack attached to	Flow rate NM ³ /hr	parameters	Conc. mg/NM ³	APPCB Standard Limit
1	Complex A	237370	Particulate matter	19	45 mg/NM ³
			Ammonia	95	165.0 mg/NM ³
			Fluoride	1.1	4.0 mg/NM ³
2	Complex B	240222	Particulate matter	20	45 mg/NM ³
			Ammonia	85	165.0 mg/NM ³
			Fluoride	1.0	4.0 mg/NM ³
3	Complex C	220097	Particulate matter	17	45 mg/NM ³
			Ammonia	40	165.0 mg/NM ³
			Fluoride	1.9	4.0 mg/NM ³
4	Sulphuric acid plant-I	95275	Sulphur dioxide	0.343Kg/MT (255mg/NM ³)	1 Kg/MT
			Sulphur trioxide	0.041Kg/MT (30mg/NM ³)	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
5	Sulphuric acid plant-II	25839	Sulphur dioxide	0.16Kg/MT (100mg/NM ³)	0.65 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
6	Phosphoric acid plant-1	134404	Particulate matter	41	50 mg/NM ³
			Fluoride	4.7	20 mg/NM ³
7	Rock grinding unit (N-1)PAAP1	5960	Particulate matter	42	50 mg/NM ³
			Total Fluoride	3.2	20 mg/NM ³
8	Rock grinding unit (N-3)PAAP2	6791	Particulate matter	46	50 mg/NM ³
			Total Fluoride	4.3	20 mg/NM ³
9	Wharf Boiler	9143	Particulate matter	42	115 mg/NM ³
10	Phosphoric acid plant-2	41772	Particulate matter	37	50 mg/NM ³
			Total Fluoride	3.4	20 mg/NM ³
11	Rock grinding unit (N-2)PAPI	6098	Particulate matter	48	50 mg/NM ³
			Total Fluoride	3.9	20 mg/NM ³
12	New SAP-3	-----	Sulphur dioxide	-	1 Kg/MT
			Sulphur trioxide	-	0.35 Kg/MT
			Acid mist	-	20 mg/NM ³
13	DG1	11186	Particulate matter	35	115 mg/NM ³
14	DG2	11161	Particulate matter	32	115 mg/NM ³

For TEAM Labs and Consultants



TEAM**ORIGINAL**

Form-No. TCL/JGF/RF-138

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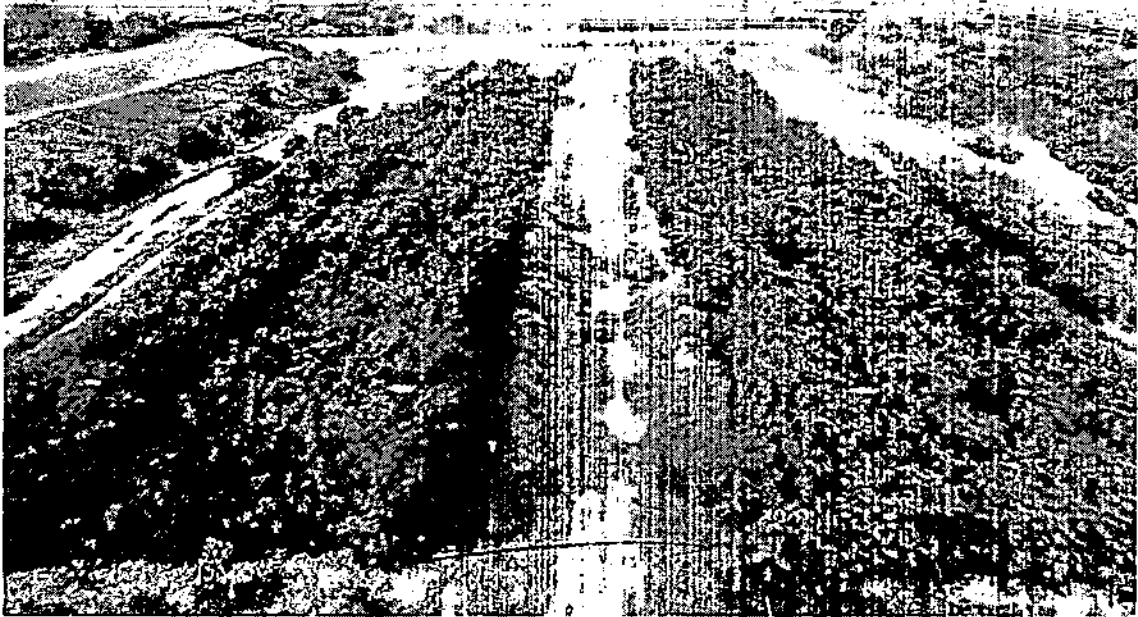
NABL Accredited Laboratory (Certificate No. TC-12956)

TEST REPORT

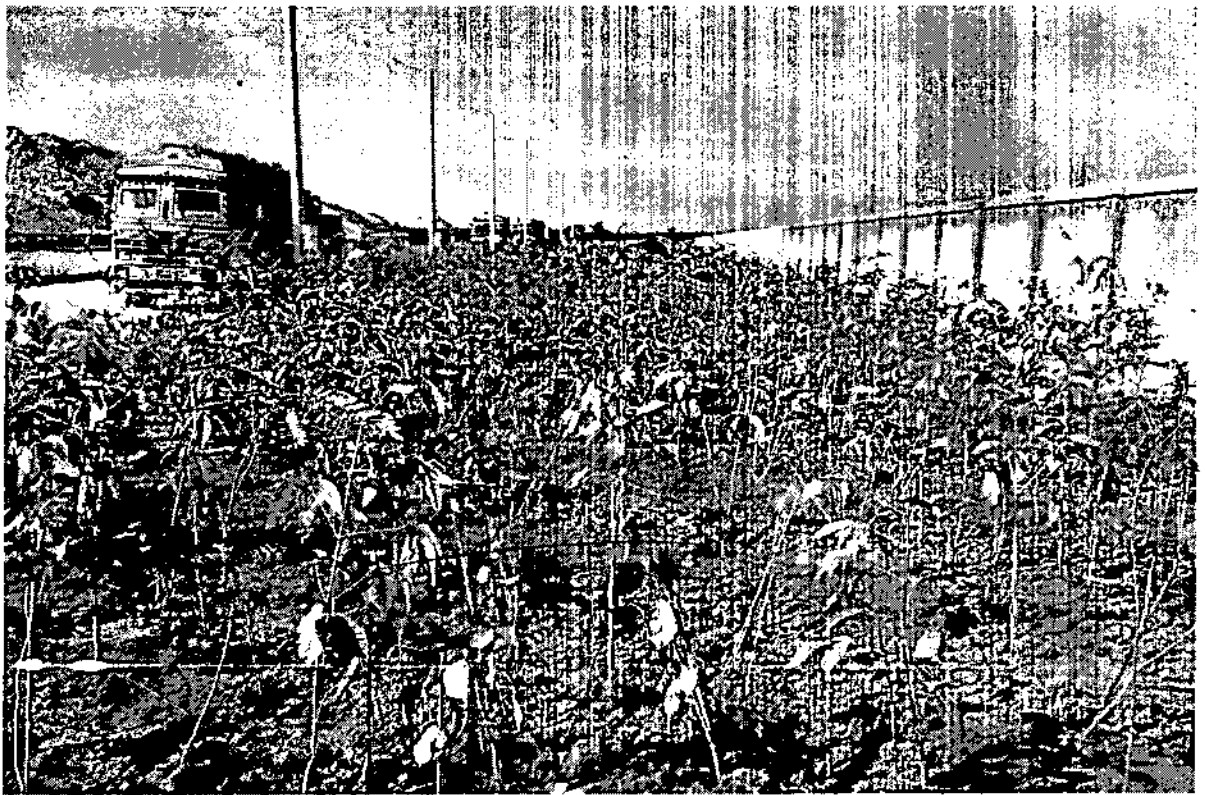
Test Report No	TLCV/Env/CIL/17/0325		dt.31.03.2025		
Description of Test	Source Emission Monitoring inside the CIL				
Name of the client	Coromandel International Limited, Visakhapatnam				
Location of sampling	stacks attached to respective plants as per details given				
SOURCE/STACK EMISSION MONITORING FOR THE MONTH OF MARCH-2025					
S.No.	Stack attached to	Flow rate NM ³ /Hr	parameters	Conc. mg/NM ³	APPCB Standard Limit
1	Complex A	269152	Particulate matter	18	45 mg/NM ³
			Ammonia	78	165.0 mg/NM ³
			Fluoride	1.3	4.0 mg/NM ³
2	Complex B	247360	Particulate matter	16	45 mg/NM ³
			Ammonia	55	165.0 mg/NM ³
			Fluoride	1.1	4.0 mg/NM ³
3	Complex C	221396	Particulate matter	15	45 mg/NM ³
			Ammonia	45	165.0 mg/NM ³
			Fluoride	1.5	4.0 mg/NM ³
4	Sulphuric acid plant-I	99750	Sulphur dioxide	0.338Kg/MT (270mg/NM ³)	1 Kg/MT
			Sulphur trioxide	0.041Kg/MT (35mg/NM ³)	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
5	Sulphuric acid plant-II	25242	Sulphur dioxide	0.17Kg/MT (110mg/NM ³)	0.65 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
6	Phosphoric acid plant-I	134965	Particulate matter	44	50 mg/NM ³
			Fluoride	4.9	20 mg/NM ³
7	Rock grinding unit (N-1)/AAP1	6376	Particulate matter	43	50 mg/NM ³
			Total Fluoride	3.3	20 mg/NM ³
8	Rock grinding unit (N-3)/AAP2	6653	Particulate matter	44	50 mg/NM ³
			Total Fluoride	4.1	20 mg/NM ³
9	Wharf Boiler	8906	Particulate matter	47	115 mg/NM ³
10	Phosphoric acid plant-2	41774	Particulate matter	39	50 mg/NM ³
			Total Fluoride	3.6	20 mg/NM ³
11	Rock grinding unit (N-2)/PAP1	6237	Particulate matter	40	50 mg/NM ³
			Total Fluoride	3.0	20 mg/NM ³
12	New SAP-3	44056	Sulphur dioxide	0.051Kg/MT (80mg/NM ³)	1 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
13	DG1	11117	Particulate matter	39	115 mg/NM ³
14	DG2	10369	Particulate matter	40	115 mg/NM ³

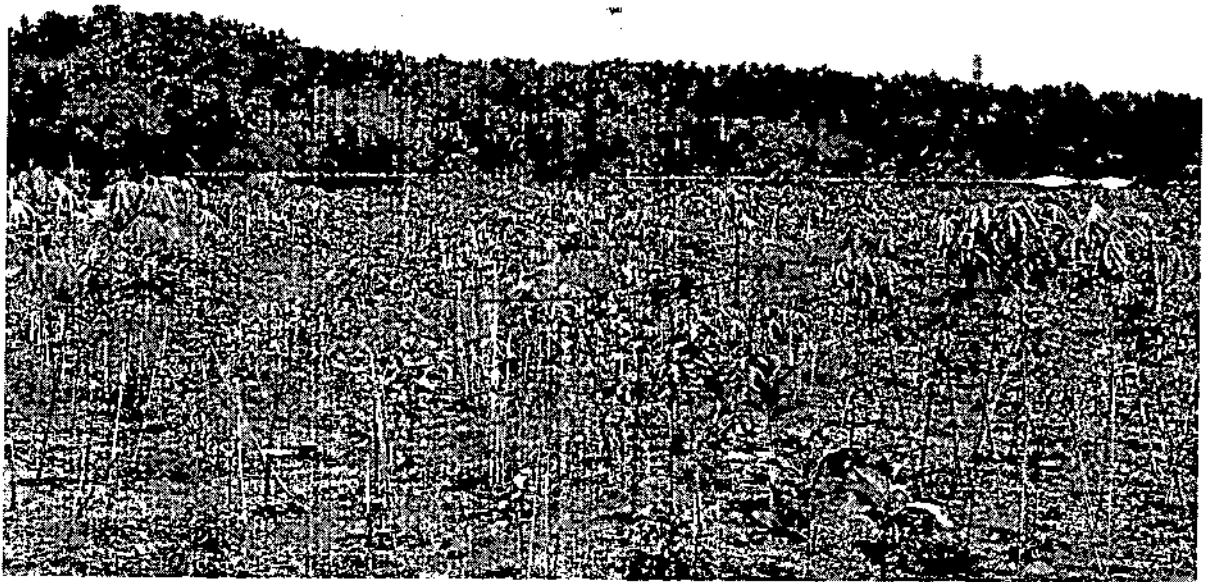


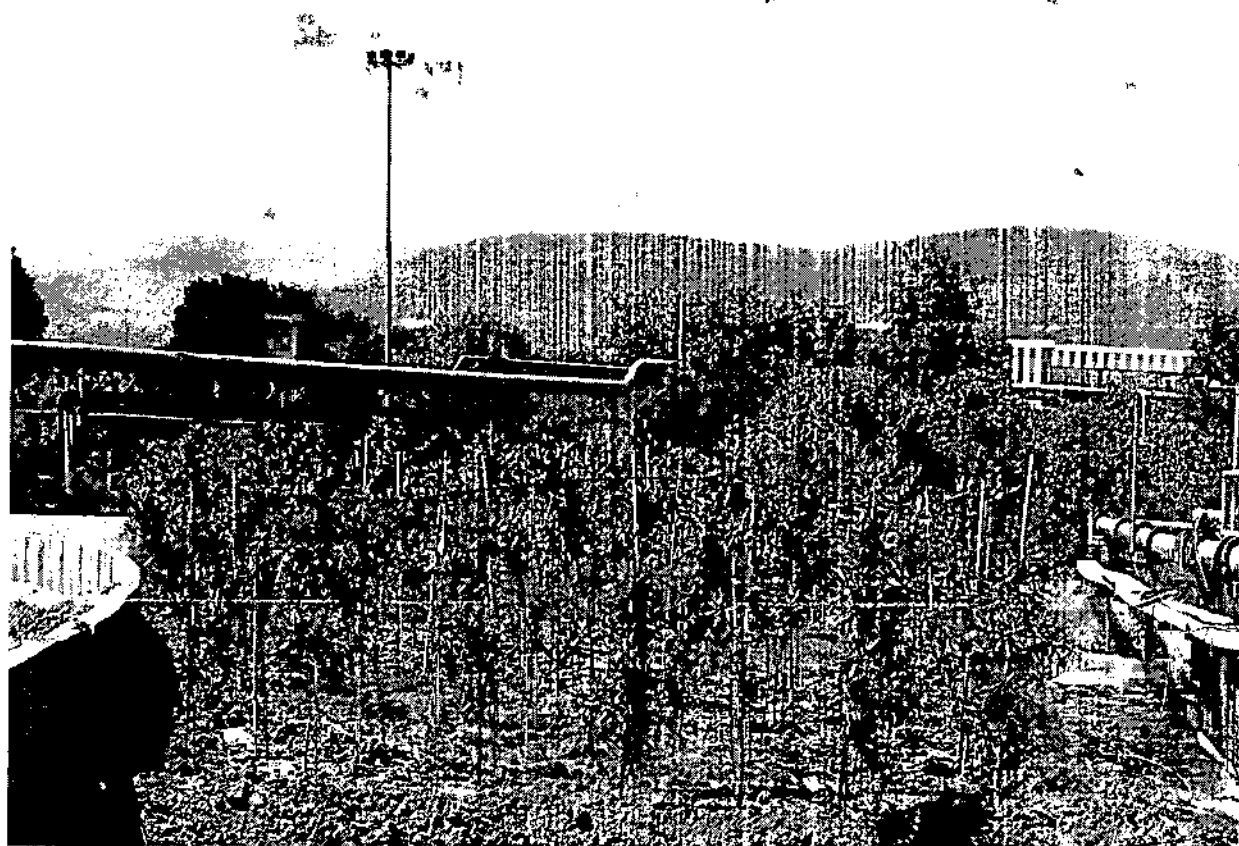
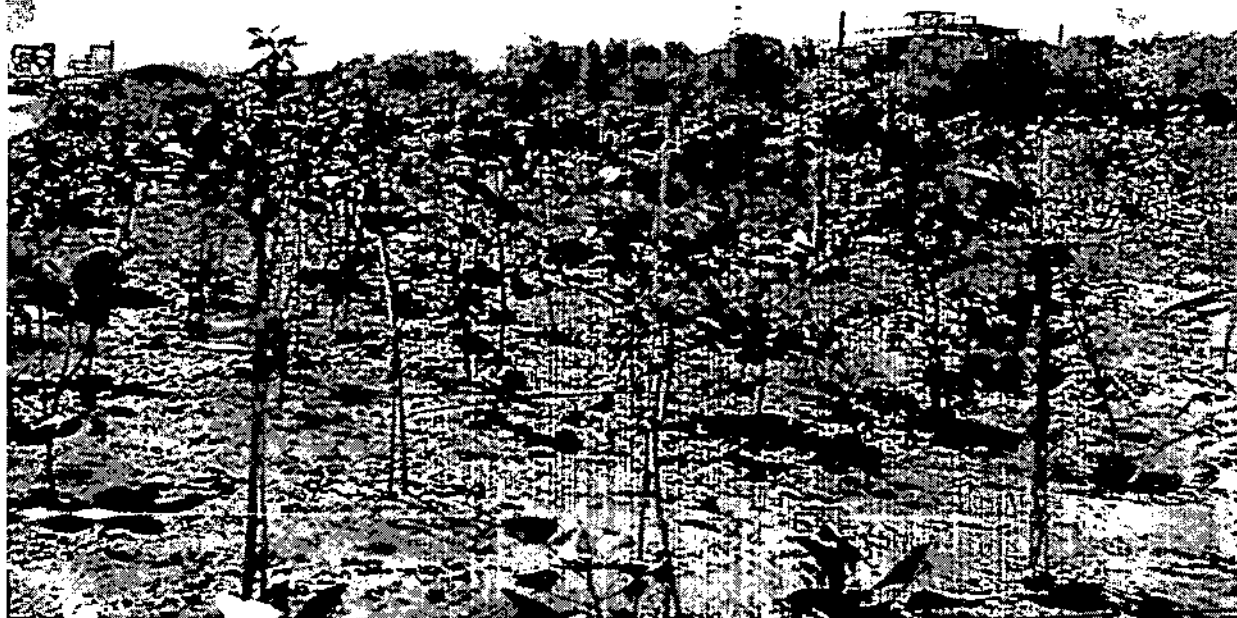
**COROMANDEL INTERNATIONAL LTD. VISAKHAPATNAM.
GREEN BELT PHOTOS**

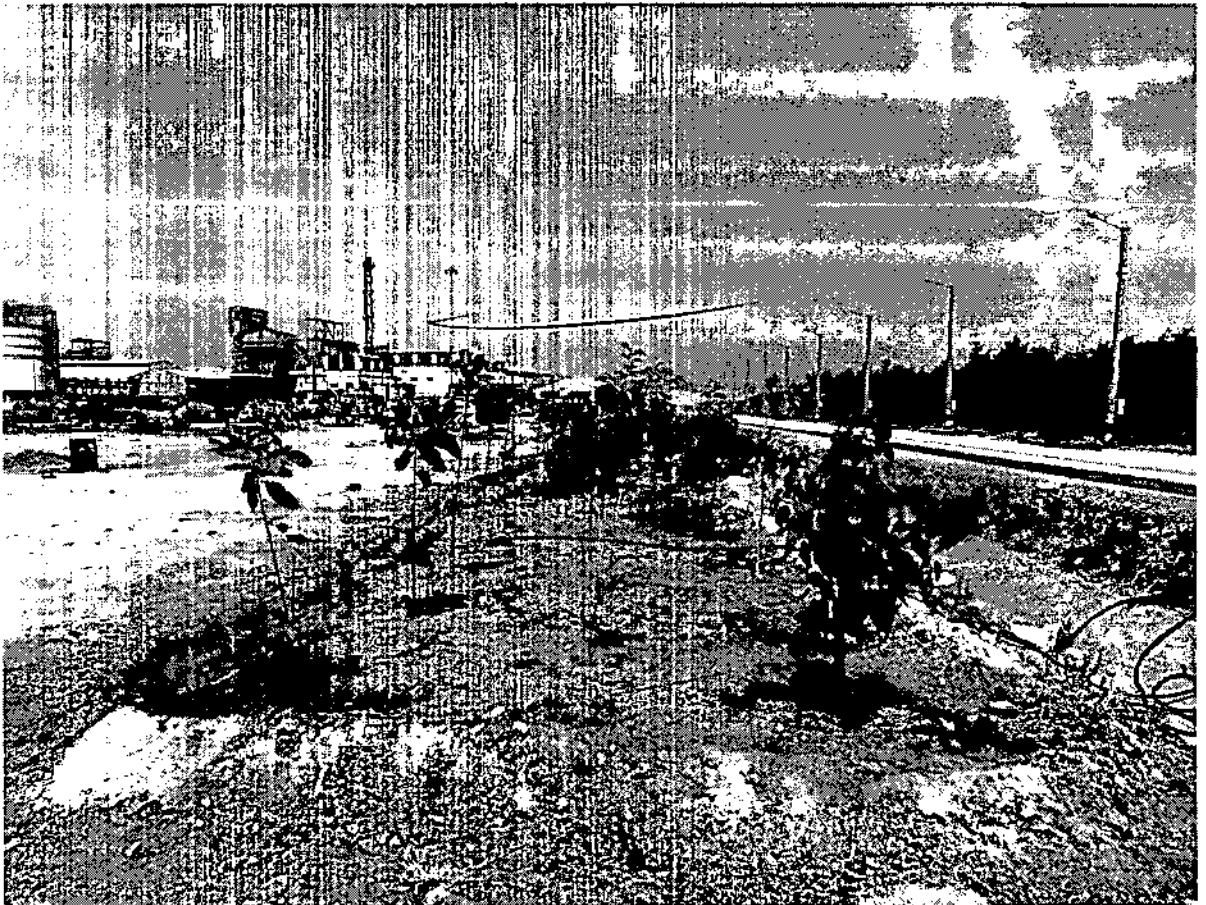


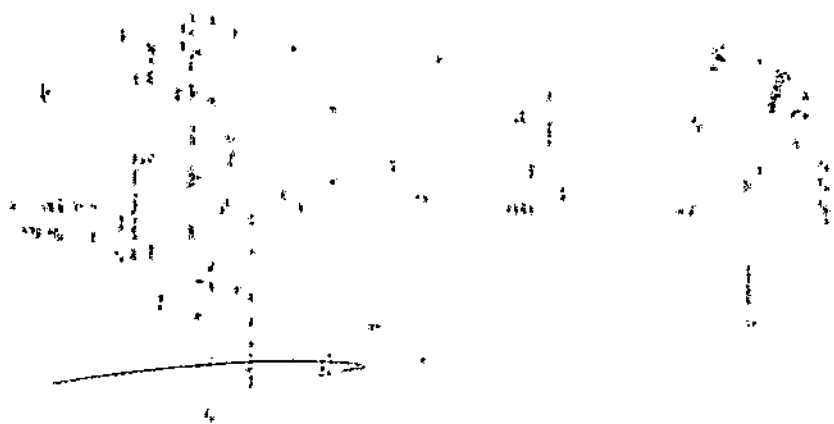












Coromandel

FUTURE POSITIVE

Annexure -3

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 : 37AAACC7952K1ZC

EHS/APPCB/2025 - 54

30-04-2025

To

The Member Secretary,
APPCB Head Office,
Dr. YSR Paryavaran Bhavan,
APIIC Colony Road,
Gurunanak Colony, Autonagar,
Vijayawada- 520010

SUB: Submission of the CER/CSR Report for the period of October 2025 to March 2025

Ref: EC number F. No. 11-35/2015-IA-III, Dated 27 June 2017

Dear Sir,

This has reference to above mentioned subject, we are submitting the detailed report of CSR/CER activities carried out by Coromandel International Limited, Vizag during the period from October 2025 to March 2025.

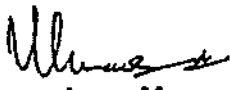
We recognize the importance of sustainable business practices and are committed to making a positive impact on society and the environment.

The above submission is in line with EC compliance & Record please.

Thanking you,

Yours faithfully,

For Coromandel International Limited


Gnanasundaram M
Vice President & Head Mfg.

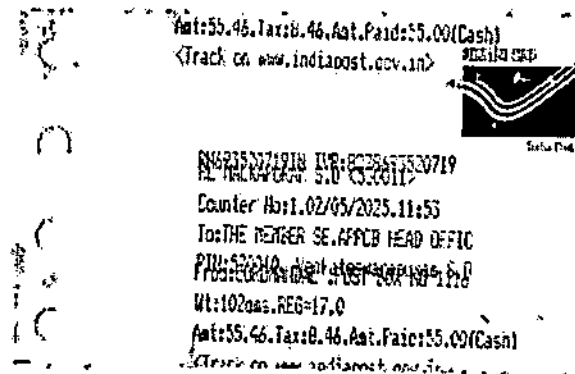

NAG/DMR

Enclosure: CSR/CER Report
Copy: RO, APPCB, Visakhapatnam

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@coromandelmurugappa.com


murugappa



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Form-No TCL/UGF/RF-138

Labs and Consultants**Registered Office :**

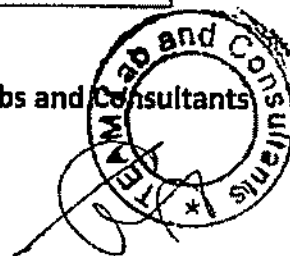
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Ph. : (O) 040-23748555 / 23748616, Fax : 040-23748666, Email : teamlabs@gmail.com

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/33/1024		dt.01.11.2024
Description of Test	Fugitive Emissions at workplace-SPM			
Name of the client	Coromandel International Limited, Visakhapatnam			
Location of sampling	As provided below			
Period of Collection	OCTOBER-2024			
Duration of sampling	8 hr.			
Protocol	IS5182 Part 23			
S No.	Plant/Department	Location/area	Result SPM mg/m3	Time weighted average concentration 8 hr. allowed per OSHA For total dust
1	A-TRAIN	Near granulator	1.6	15.0 mg/m3
		Bins area	1.7	
		Screen Section	1.9	
		Recycle Conveyor	1.6	
2	B-TRAIN	Near granulator	1.8	
		Bins area	1.4	
		Screen Section	1.5	
		Recycle Conveyor	1.9	
3	C-TRAIN	Near granulator	2.2	
		Bins area	2.0	
		Screen Section	2.1	
		Recycle Conveyor	2.0	
4	PAP - 1	Reactor area (PAP-I)	1.5	
		Dust Bins area (PAP-I)	1.6	
		Head drum area (PAP-I)	1.7	
		RG-I (OBM)	1.9	

For TEAM Labs and Consultants



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Form-No. TCL/LG/IRF-138

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NABL Accredited Laboratory

TEST REPORT

Test Report No		TLC/V/Env/CIL/33A/1024		dt.01.11.2024
Description of Test		Fugitive Emissions at workplace-SPM		
Name of the client		Coromandel International Limited, Visakhapatnam		
Location of sampling		As provided below		
Period of Collection		OCTOBER-2024		
Duration of sampling		8 hr.		
Protocol		ISS182 Part 23		
S No.	Plant/Department	Location/area	Result SPM mg/m3	Time weighted average concentration 8 hr allowed per OSHA For total dust
5	PAP - 2	Reactor area (PAP-2)	1.3	15.0 mg/m3
		Dust Bins area (PAP-1)	1.6	
		Head drum area (PAP-1)	1.9	
		RG-2 (OBM)	1.4	
6	SAP- 1,2,3	Melter Area (SAP-1)	2.1	
		Rock Feeding Area (SAP-1)	2.1	
		RMH Area (SAP-1)	1.9	
		Melter Area (SAP-1)	1.7	
		Rock Feeding Area (SAP-2)	2.0	
		RMH Area (SAP-2)	2.1	
		Melter Area (SAP3)	2.2	
		Rock Feeding Area (SAP-3)	1.8	
		RMH Area (SAP-3)	1.4	

For TEAM Labs and Consultants



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TEST REPORT

Test Report No		TLC/V/Env/CIL/33B/1024		dt.01.11.2024	
Description of Test		Fugitive Emissions at workplace-SPM			
Name of the client		Coromandel International Limited, Visakhapatnam			
Location of sampling		As provided below			
Period of collection		OCTOBER-2024			
Duration of sampling		8 hr.			
Protocol		ISS182 Part 23			
S No.	Plant/Dep artment	Location/area	Result SPM mg/m3	Time weighted average concentration 8 hr allowed per OSHA For total dust	
7	Bagging Plant	PH Maintain Godown	1.8	15.0 mg/m3	
		BP-2 Godown Area	1.7		
		Auto bagging (BP-1)	2.0		
		Auto bagging (BP-2)	1.9		
8	Treatment Plants	ETP Entrance	1.6		
		STP Entrance	1.4		
9	Raw Material Storage area	Rock Godown Near 4OP	1.8		
		Sulphur Godown Near Garage	2.1		
		Urea Godown at Bagging Plant	2.2		

For TEAM Labs and Consultants



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Form-No. TCL/UGF/RF-138

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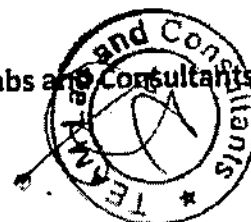
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TEST REPORT

Test Report No		TLC/V/Env/CIL/34/1024		dt.01.11.2024	
Description of Test		Fugitive Emissions at workplace-NH3			
Name of the client		Coromandel International Limited, Visakhapatnam			
Location of sampling		As provided below			
Period of Collection		OCTOBER-2024			
Duration of sampling		8 hr.			
Protocol		ISS182 Part 23			
S No.	Plant/Department	Location/area	Result NH3 mg/m3	Time weighted average concentration 8 hr. allowed per OSHA For total dust	
1	A-TRAIN	Reactor Top Area	1.8	17.41 mg/m3	
		Granulator	0.9		
		Surrounding Area	1.1		
		Pre-Scrubber Area	1.0		
2	B-TRAIN	Reactor Top Area	1.8		
		Granulator	1.4		
		Surrounding Area	1.6		
		Pre-Scrubber Area	2.0		
3	C-TRAIN	Dryer Area	2.2		
		Reactor Top Area	2.5		
		Granulator	0.9		
		Surrounding Area	0.8		
4	AAST	Pre-Scrubber Area	1.6		
		Dryer Area	1.0		

For TEAM Labs and Consultants



Labs and Consultants**Registered Office :**

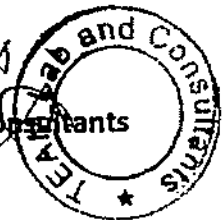
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NABL Accredited Laboratory

TEST REPORT

Test Report No		TLC/V/Env/CIL/35/1024		dt.01.11.2024	
Description of Test		Fugitive Emissions at workplace-SO2			
Name of the client		Coromandel International Limited, Visakhapatnam			
Location of sampling		As provided below			
Period of Collection		OCTOBER-2024			
Duration of sampling		8 hr.			
Protocol		IS5182 Part 23			
S No.	Plant/Dep artment	Location/area	Result SO2 mg/m3	Time weighted average concentration 8 hr. allowed per OSHA For total dust	
1	SAP-1	IAT Area	1.6	5.24 mg/m3	
		Furnace Area	2.0		
		Hot Gas Filter Area	2.1		
		Scrubber Area	1.9		
2	SAP-2	IAT Area	2.0		
		Furnace Area	1.6		
		Hot Gas Filter Area	1.4		
		Scrubber Area	1.3		
3	SAP-3	IAT Area	2.1		
		Furnace Area	2.3		
		Hot Gas Filter Area	1.6		
		Scrubber Area	1.4		
4	Wharf Area	Molten Sulphur Storage Area	0.9		
		Sulphuric Acid Storage Area	0.8		

For TEAM Labs and Consultants



**ANDHRA PRADESH POLLUTION CONTROL BOARD**

Dr. YSR Paryavaran Bhavan, APIIC Colony Road,

Gurunanak Colony, Autonagar, Vijayawada- 520007

Phone. No.0866-2463200, Website : <https://pcb.ap.gov.in/>**RED CATEGORY****CONSENT TO OPERATE & AUTHORIZATION ORDER****Consent Order No : APPCB/VSP/65/CFO/HO/1967 -****Dt. 04/08/2023**

CONSENT is hereby granted to Operate under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21/22 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof and Authorisation under Rule 6 of the Hazardous & Other Wastes (Management and Transboundary, Movement) Rules, 2016 and the rules and orders made there under (hereinafter referred to as 'the Acts', 'the Rules') to:

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

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

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

i) Out lets for discharge of effluents:

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

ii) Emissions from chimneys:

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

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

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

● HAZARDOUS WASTE WITH DISPOSAL OPTION

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

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

● **OTHER THAN HAZARDOUS WASTE WITH DISPOSAL OPTION**

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

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

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

	Urea Phosphate (or)	
	Micronized / Nano Sulphur	
4	H ₂ SO ₄	4100 TPD (SAP1 – 1700 TPD & SAP2-400 TPD, SAP3- 2000 TPD)
5	Bentonite Sulfur /Bentonite Sulphur with micronutrients	200 TPD
6	Phosphoric Acid	1600 TPD
7	Fertilizer Technology Centre (Granulation) – Straight or Complex or Fortified or Organic or Bio stimulants or Soil conditioner or Mixture of fertilizers	19 TPD
8	Fertilizer technology centre - Phosphoric acid	0.83 TPD
9	Sulpho Zinc & Sulpho Boron	50 TPD
10	Liquid Fertilizer plant – Liquid Suspension or Liquid solution of primary nutrients (N,P,K)/Micronutrients/Secondary nutrients / Organics/Bio Stimulants/Nano fertilizers	6.0 TPD
11	Desalination Plant	6 MLD
By-Products:		
12	Gypsum	8000 TPD
13	Hydrofluorosilicic Acid	40TPD
Bulk storage facilities at site		
14	Ammonia (1x5000 MT + 1x7500 MT)	12500 MT
15	Sulphuric acid (1X4000 MT + 3X 2500MT) + 4 x5000MT + 2 X 12500 MT	56500 MT
16	Phosphoric acid (P ₂ O ₅)	32890 m3 (2 X 310 m3 + 7 X 610 m3 + 7 X 1000 m3 + 3 X 3000 m3 + Wharf - 2 X 6000 m3 = 12000 m3)
17	Molten sulphur **	18000 MT (2 X 7500 MT these two storage tanks located at wharf area + 2 X 1500 MT)
18	LSHS	1193 KL (2 X 500 KL + 1 X 160 KL + 33 KL)
19	Diesel	96 KL (2 X 10 KL + 1 X 16 KL + 60 KL)

20	Kerosene	1 X 50 KL
21	LPG	870 Kg

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

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

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

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

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

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

To

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

Copy to:

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

SCHEDULE - A

1. Any up-set condition in any industrial plant / activity of the industry, which result in, increased effluent / emission discharge and/ or violation of standards stipulated in this order shall be informed to this Board, under intimation to the Collector and District Magistrate and take immediate action to bring down the discharge / emission below the limits.
2. The industry should carryout analysis of waste water discharges or emissions through chimneys for the parameters mentioned in this order on quarterly basis and submit to the Board.
3. Notwithstanding anything contained in this consent order, the Board hereby reserves the right and powers to review / revoke any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board.
4. The industry shall ensure that there shall not be any change in the process technology, source & composition of raw materials and scope of working without prior approval from the Board.

5. The applicant shall submit Environment statement in Form V before 30th September every year as per Rule No.14 of E(P) Rules, 1986 & amendments thereof.
6. The applicant should make applications through Online for renewal of Consent (under Water and Air Acts) and Authorization under HWM Rules at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts and detailed compliance of CFO conditions for obtaining Consent & HW Authorization of the Board.
7. The industry should immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions. Any change in the management shall be informed to the Board. The person authorized should not let out the premises / lend / sell / transfer their industrial premises without obtaining prior permission of the State Pollution Control Board.
8. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules 1982, to Appellate authority constituted under Section 28 of the Water(Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air(Prevention and Control of Pollution) Act, 1981.
9. The industry shall be liable to pay Environmental Compensation / Other Environmental Taxes, if any environmental damage caused to the surroundings, as fixed by the Collector & District Magistrate or any other competent authority as per the Rules in vogue.
10. The industry may explore the possibility of tapping the solar energy for their energy requirements.
11. The industry should educate the workers and nearby public of possible accidents and remedial measures.

SCHEDULE - B

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

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

plants.

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

WATER POLLUTION:

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

Outlet	Parameter	Limiting Standards
1 & 2	pH	6.5 – 8.5
	Ammonical Nitrogen	50 mg/l
	Free Ammonical Nitrogen	4.0 mg/l
	Total Kjeldahl Nitrogen	75 mg/l
	Nitrate Nitrogen	20 mg/l
	Cyanide as CN	0.1 mg/l
	Vanadium as V	0.2 mg/l
	Arsenic as As	0.2 mg/l
	Phosphate as P	5 mg/l
	Suspended solids	100 mg/l
	Oil and Grease	10 mg/l
	Fluoride as F	10 mg/l
	Hexavalent Chromium as Cr	0.1 mg/l
	Total Chromium as Cr	2.0 mg/l
	BOD	30 mg/l
	COD	250 mg/l
	Temp :- Not more than 5 °C higher than intake water.	
3	pH	6.50 – 8.50
	Oil and Grease	10 mg/l
	Biochemical Oxygen Demand	30 mg/l
	Total Suspended Solids	<100 mg/l
	Fecal Coliform (FC) (Most Probable Number per 100 milliliter, MPN/100ml)	<1000 MPN/100 ml

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

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

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

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

8. The effluent discharged shall comply with the tolerance limits mentioned as per MoEF notification dated 29.12.2017 prescribed for Fertilizer industry.

9. The industry shall maintain the following:

- Electro Magnetic flow meters with totalisers for water used and effluent generation for different purposes as mentioned in this CTO order.
- Proper records for effluent generation, treated, reused and discharged into meghadrigedda.
- Water flow meter at Leachate Collection pit provided for Gypsum storage yard to quantify the effluents recycled and shall maintain registers.

10. The effluents shall be stored in above ground level collection tanks separately.

11. Effluents shall not be discharged onland or any water bodies or aquifers or outside under any circumstances. Floor washings shall be admitted into effluent collection system only and shall not be allowed to find their way into storm water drains or open areas. The industry shall maintain separate storm water drains and provide rain water harvesting structure.

12. Container, Container liners shall be detoxified at the specified covered platform with dyke walls and the wash wastewater shall be routed to low TDS collection tank.

13. The industry shall comply with the standard for fluoride (1.5 mg/l) in piezo well water samples and shall not exceed the standard

14. The industry shall submit details of maintaining temperature difference (DT) of 5°C before disposal to Sea via Megadri gedda every month.

15. The industry shall provide online effluent monitoring system for pH, BOD, COD, TSS, Phosphates, Fluorides, temperature with online connectivity to CPCB / APPCB as per CPCB directions dated 05.02.2014 and 02.03.2015.

16. The industry shall ensure that no Fluoride contamination in two piezo wells and monitor piezo wells on monthly basis. The industry shall submit trends every 3 months to RO, Visakhapatnam.

AIR POLLUTION:

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

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

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

18.The industry shall comply with emission limits for DG sets upto 800 KW as per the Notification G.S.R.520 (E), dated 01.07.2003 under the Environment (Protection) Amendment Rules, 2003 and G.S.R.448(E), dated 12.07.2004 under the Environment (Protection) Second Amendment Rules, 2004. In case of DG sets more than 800 KW shall comply with emission limits as per the Notification G.S.R.489 (E), dated 09.07.2002 at serial no.96, under the Environment (Protection) Act, 1986.

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

Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009 shall be complied. Following standards prescribed for noise shall be complied.

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

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

20.The industry shall provide a sampling port with removable dummy of not less than 15 cm diameter in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc. A platform with suitable ladder shall be provided below 1 meter of sampling port to accommodate three persons with instruments. A 15 AMP 250 V plug point shall be provided on the platform.

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

Acid including Fluorine recovery system as stipulated in the EC order dt.14.07.2017.

The industry shall recover fluorine from phosphoric acid process to maximum extent possible.

22.The industry shall operate bulk handling mechanism like telescopic chute system at all raw material storage ware houses and ensure that there shall not be fugitive emissions from the raw material handling warehouses. The industry shall cover all directions of the feeding area of rock phosphate and rectify the fugitive leakages, if any.

23.The industry shall maintain online stack analyzers for all the stacks of complex fertilizer plant for monitoring ammonia, PM and fluorine and one analyser for monitoring fluorine in Phosphoric Acid Plant with online connectivity to CPCB/APPCB as per CPCB directions dated 05.02.2014 and 02.03.2015. The industry shall maintain the online analyzer facility for monitoring of Fluoride in the Phosphoric Acid plant immediately. The data shall be connected to the CPCB / APPCB servers.

24.The industry shall maintain 3 online CAAQM Stations within the plant as per the specifications of CPCB for online monitoring of SPM, RSPM, SO₂, NO_x & Ammonia with networking facility to Head Office, APPCB.

25.The industry shall maintain automatic caustic lye solution dosage for the scrubbers provided in the Sulphuric acid plant so as to maintain pH below 8 in acidic scrubbers provided in the plant. The industry shall maintain online pH measuring facility with auto recording system to the alkali scrubbers provided to treat the sulfuric acid plant emissions.

GENERAL:

26.The industry shall not manufacture new products and not exceed the consented capacity without CTE/CTO of the Board.

27.The industry shall evaporate (concentrate) Phosphoric acid to reduce Fluorine so as to reduce fluorine input to complex fertilizer plant;

28.Housekeeping shall be improved through closed transportation systems. Road sweeping machine shall be deployed for control of dust near Gypsum yard.

29.The industry shall maintain Hazardous waste storage area with concrete platform and leachate collection pit for storage of ETP sludge.

30.The industry shall comply with the guidelines issued by the CPCB regarding storage & handling of gypsum.

31.The industry shall not start-up the Sulfuric acid plants during night time i.e. between 6.00 PM to 8: 00 AM.

32.The industry shall operate bag filters at hopper i.e. rock phosphate unloading point at wharf to arrest the fugitive emissions.

33.The industry shall maintain the internal roads within the factory premises.

34.The industry shall update the Disaster Management Plan regularly.

- 35.The industry shall monitor work place online ammonia levels with online sensors in complex fertiliser plant and maintain records.
- 36.The industry shall store fresh gypsum on HDPE lining at the wagon loading area.
- 37.The industry shall submit concentration levels of Ammonia monitored by industry through sensors every month.
- 38.The industry shall ensure that there are no leaks in any unit operations and unit processes.
- 39.The industry shall take proper measures to ensure the trucks with proper leak proof bodies are used for transportation of gypsum from the industry.
- 40.The industry shall maintain the following records and the same shall be made available to the inspecting officers of the Board:
 - a. Daily production details.
 - b. Quantity of Effluents generated, treated, recycled.
 - c. Log Books for pollution control systems.
 - d. Characteristics of effluents and emissions.
 - e. Hazardous/non hazardous solid waste generated and disposed.
 - f. Inspection book.
 - g. Manifest copies of effluents / hazardous waste.
- 41.The industry shall comply with the conditions stipulated in the CTE order No.65/APPCB/CFE/RO-VSP/HO/2012, dated 08.02.2020, 24.08.2022, 27.07.2022 & 22.11.2022
- 42.The industry shall update the information in OCEMS - Industry Information Data Entry Software for Compliance Reporting Protocol in PART-II (Sections F & G) Every Quarter on 1st January, 1st April, 1st July and 1st October through this software system.
- 43.The industry shall maintain valid PLI policy which includes Environmental Relief Fund (ERF) and submit copy to RO, Visakhapatnam on yearly base.
- 44.The industry shall install digital display boards at publicly visible places at the main gate indicating the products manufactured Vs permitted quantities, Treated effluent concentrations Vs discharge standards, Stack emission & AAQ concentrations Vs standards, hazardous waste generation, disposed, stock Vs permitted quantities and validity of CTO; and exhibit the CTO order at a prominent place in the factory premises, as per Hon'ble Supreme Court order.
- 45.The industry shall submit Half yearly compliance reports to all the stipulated conditions in Environmental Clearance (EC), Consent to Establishment (CTE) and Consent to Operation (CTO) through website i.e., <https://pcb.ap.gov.in> by 1st of January and 1st July of every year. The first half yearly compliance reports shall be furnished by the industry and second half yearly compliance reports shall be the

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

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

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

Special conditions:

48.The industry shall submit a copy of the NOC issued by the Andhra Pradesh State Disaster Response and Fire Service Dept., (APSDRFSD) at concerned Regional Office, APPCB.

49.The industry shall prepare a safety report and carry out an independent safety audit report of the respective industrial activities including chemical storages / isolated storages by an expert not associated with such industrial activity as required under Rule 10 of MSIHC Rules, 1989 and get it approved by the Factories Dept., and submit the compliance along with copy of the safety report, safety audit report and safety certificate at concerned Regional Office, APPCB.

50.The industry shall identify major accident hazard chemicals & list out the hazardous chemicals endangered to human health & environment, and the details shall be furnished to the Factories Department and the Regional Office, APPCB time to time duly certifying the same by the industry. Further, the industry shall extend training to the working personnel while handling hazardous chemicals for the prevention of accidents and necessary antidotes to ensure safety, as per the MSIHC Rules, 1989.

51.The industry shall carryout calibration of safety equipment and leak detection systems at regular intervals and shall certify the same with the Factories Department. That certified copy shall be submitted to the APPCB, Regional Office. The industry shall install fluorescent Wind Vane at the highest point in the industry premises.

52.The industry shall inventory the hazardous wastes and its quantities stored within the industry premises as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 (HOWM Rules, 2016) and shall furnish the details to Regional Office, APPCB on a monthly basis duly certifying the same by the industry.

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

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

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

SCHEDULE - C

[see rule 6(2)]

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

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty".
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. The industry shall enter an agreement with the Cement industries for disposal of incinerable waste or shall dispose to Alternative Fuel Raw material facility (AFRF) OR to TSDF for co-incineration.
9. The industry shall comply with the provisions of HWM Rules, 2016 in terms of interstate transport of Hazardous Waste and manifest document prescribed Under Rule 18 and 19 of the HWM Rules, 2016.
10. The industry shall not store hazardous waste for more than 90 days as per the Hazardous and Other Wastes-(Management & Transboundary Movement) Rules, 2016.
11. The industry shall store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal to the manufacturers / dealers on buyback basis.
12. The industry shall transport the hazardous waste to cement industries only through vehicle fitted with GPS tracking system.
13. The industry shall maintain 7 copy manifest system for transportation of waste

generated and a copy shall be submitted to concerned Regional Office of APPCB. The driver who transports Hazardous Waste should be well acquainted about the procedure to be followed in case of an emergency during transit. The transporter should carry a Transport Emergency (TREM) Card.

14.The industry shall maintain proper records for Hazardous and Other Wastes stated in Authorisation in Form-3 i.e., quantity of Incinerable waste, land disposal waste, recyclable waste etc., and file annual returns in Form-4 as per Rule 20 (2) of the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.

15.The industry shall route the all the hazardous wastes through M/s. APEMC.

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

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

TEAM**ORIGINAL**

Form-No. TCL/L/GF/RF-138

Labs and Consultants**Registered Office :**

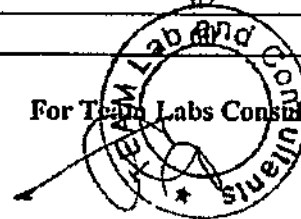
B-115, 116, 117 & 509, Annapoorna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.
 Ph. : (O) 040-23748555 / 23748616, Fax : 040-23748666, Email : teamlabs@gmail.com

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/32C/0924	DATE 01-11-2024
Description of Test	Noise Level Monitoring	
Name of the client	Coromandel International Limited, Visakhapatnam	
Location of sampling	As per details provided	
Date of collection	OCTOBER -2024	
	LOCATION / AREA	NOISE LEVEL LIMITI (70 dB)
Night	1St Gate	50
	2nd Gate	52
	3rd Gate (Plant)	53
	4th Gate	51
	5th Gate	49
	6th Gate	52
	7th Gate	53
	8th Gate	58
	9th Gate	56
	Contractor gate	52
	LOCATION / AREA	NOISE LEVEL LIMITI (75 dB)
Day	1St Gate	66
	2nd Gate	62
	3rd Gate (Plant)	68
	4th Gate	61
	5th Gate	65
	6th Gate	67
	7th Gate	62
	8th Gate	66
	9th Gate	69
	Contractor gate	

For Team Labs Consultants



TEAM**ORIGINAL**

Form-No. TSLC/CFR-138

Labs and Consultants**Registered Office :**

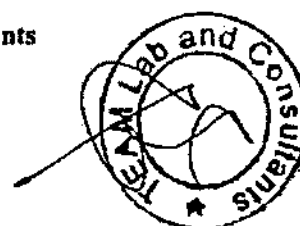
B-115, 116, 117 & 509, Annapoorna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.

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/30C/1124	DATE 02-12-2024
Description of Test	Noise Level Monitoring	
Name of the client	Coromandel International Limited, Visakhapatnam	
Location of sampling	As per details provided	
Date of collection	NOVEMBER - 2024	
	LOCATION / AREA	NOISE LEVEL LIMIT (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
		NOISE LEVEL LIMIT (75 dB)
Day	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

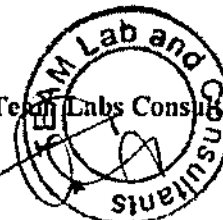
Recognised as Environmental Laboratory under Environmental (Protection) Act 1986

NABL Accredited Laboratory (Certificate No. TC-12956)

TEST REPORT

Test Report No	TLC/V/Env/CIL/32C/1224	DATE 31-12-2024
Description of Test	Noise Level Monitoring	
Name of the client	Coromandel International Limited, Visakhapatnam	
Location of sampling	As per details provided	
Date of collection	DECEMBER-2024	
	LOCATION / AREA	NOISE LEVEL LIMITI (70 dB)
Night	1St Gate	52
	2nd Gate	50
	3rd Gate (Plant)	55
	4th Gate	50
	5th Gate	48
	6th Gate	50
	7th Gate	52
	8th Gate	56
	9th Gate	55
	Contractor gate	50
	LOCATION / AREA	NOISE LEVEL LIMITI (75 dB)
Day	1St Gate	68
	2nd Gate	60
	3rd Gate (Plant)	67
	4th Gate	63
	5th Gate	67
	6th Gate	65
	7th Gate	64
	8th Gate	68
	9th Gate	67
	Contractor gate	63

For Team Labs Consultants



TEAM**ORIGINAL**

Form-No. TCL/LGF/RF-13B

Labs and Consultants**Registered Office :**

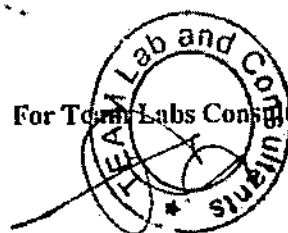
B-115, 116, 117 & 509, Annapurna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.
Ph. : (O) 040-23748555 / 23748616, Fax : 040-23748666, Email : teamlabs@gmail.com

Recognised as Environmental Laboratory under Environmental (Protection) Act 1986
NABL Accredited Laboratory (Certificate No. TC-12956)

TEST REPORT

Test Report No	TLC/V/Env/CIL/32C/125	DATE 1-02-2025
Description of Test	Noise Level Monitoring	
Name of the client	Coromandel International Limited, Visakhapatnam	
Location of sampling	Asper details provided	
Date of collection	JANUVARY-2025	
	LOCATION / AREA	NOISE LEVEL LIMITI (70 dB)
Night	1St Gate	51
	2nd Gate	52
	3rd Gate (Plant)	53
	4th Gate	51
	5th Gate	50
	6th Gate	52
	7th Gate	56
	8th Gate	54
	9th Gate	53
	Contractor gate	51
	LOCATION / AREA	NOISE LEVEL LIMITI (75 dB)
Day	1St Gate	69
	2nd Gate	63
	3rd Gate (Plant)	65
	4th Gate	66
	5th Gate	68
	6th Gate	67
	7th Gate	63
	8th Gate	66
	9th Gate	65
	Contractor gate	64

For Team Labs Consultants



Labs and Consultants**Registered Office :**

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TEST REPORT

Test Report No	TLC/V/Env/CIL/31C/0225	DATE 02-02-2025
Description of Test	Noise Level Monitoring	
Name of the client	Coromandel International Limited, Visakhapatnam	
Location of sampling	As per details provided	
Date of collection	FEBRUARY-2025	
	LOCATION / AREA	NOISE LEVEL LIMITI (70 dB)
Night	1St Gate	50
	2nd Gate	52
	3rd Gate (Plant)	53
	4th Gate	51
	5th Gate	49
	6th Gate	52
	7th Gate	50
	8th Gate	54
	9th Gate	53
	Contractor gate	52
	LOCATION / AREA	NOISE LEVEL LIMITI (75 dB)
Day	1St Gate	66
	2nd Gate	64
	3rd Gate (Plant)	69
	4th Gate	64
	5th Gate	65
	6th Gate	66
	7th Gate	63
	8th Gate	69
	9th Gate	68
	Contractor gate	65

For Team Labs Consultants



TEAM**ORIGINAL**

Form-No. TCL/LGF/RF-138

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TEST REPORT

Test Report No	TLC/V/Env/CIL/36C/0225	DATE 31-03-2025
Description of Test	Noise Level Monitoring	
Name of the client	Coromandel International Limited, Visakhapatnam	
Location of sampling	Asper details provided	
Date of collection	MARCH-2025	
	LOCATION / AREA	NOISE LEVEL LIMITI (70 dB)
Night	1St Gate	52
	2nd Gate	54
	3rd Gate (Plant)	55
	4th Gate	50
	5th Gate	52
	6th Gate	51
	7th Gate	53
	8th Gate	55
	9th Gate	51
	Contractor gate	50
	LOCATION / AREA	NOISE LEVEL LIMITI (75 dB)
Day	1St Gate	65
	2nd Gate	63
	3rd Gate (Plant)	67
	4th Gate	62
	5th Gate	64
	6th Gate	68
	7th Gate	62
	8th Gate	67
	9th Gate	66
	Contractor gate	63



MoEF Complex EC- Complex Date: 31st August, 2007

EC-NO-F.NO.J11011/314/2007-IA II (I) Date: 31st August, 2007

ANDHRA PRADESH POLLUTION CONTROL BOARD
ఆంధ్ర ప్రదేశ్ కాలుష్య నియంత్రణ మండలి

HOME ABOUT US FOR INDUSTRY FOR PUBLIC CONTACT US LOGINS

Compliance of EC/CFE/ CFO/ Directions
For submission of compliance reports by the Industries

1. Compliance Report : *	2. EC Order Number *
EC	EC-NO-F.NO.J11011/314/2007-IA II (I)
3. EC Order Issued On *	4. EC Order Issued By *
08/31/2007	MoEF&CC, Delhi
5. Name of the Industry : *	6. Address *
Coromandel International Limited	Sriharipuram, Malkapuram PO Visakhapatnam - 5300
7. District : *	8. Email *
Visakhapatnam	nagarajud@coromandelmurugappa.com
9. Phone : *	10. Status of Compliance *
8790035522	Complied

11. Upload the Compliance Report : *

Choose File: MoEF Complex EC.pdf

Note : *

Environmental Clearance (EC) : Project proponent shall submit Half-yearly EC Compliance report certified by accredited consultant (self-certified compliance report in case of small projects)

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EC	EC-NO-F.NO.J11011/314/2007-IA II (I)
3. EC Order Issued On *	4. EC Order Issued By *
08/31/2007	MoEF&CC, Delhi
5. Name of the Industry : *	6. Address *
Coromandel International Limited	Sriharipuram, Malkapuram PO Visakhapatnam - 5300
7. District : *	8. Email *
Visakhapatnam	nagarajud@coromandelmurugappa.com
9. Phone : *	10. Status of Compliance *
8790035522	Complied

11. Upload the Compliance Report : *

Choose File: MoEF Complex EC.pdf

Note : *

Environmental Clearance (EC) : Project proponent shall submit Half-yearly EC Compliance report certified by accredited consultant (self-certified compliance report in case of small projects)

uJl4n6 uJ4n6

Submit

EHS/APPCB/2024 - 145

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 for Environmental Clearance order for enhanced production capacity of complex fertilizer plant from 2700 MTPD to 3900 MTPD as on 30.12.2024 - Reg

Ref: 1. EC Order No - F.No. J11011/314/2007-IA II (I) - Date 31st August, 2007
2. APPCB Notice No - PCB/RO-VSP/6 months compliance/2018 - Date 05. 07.2018

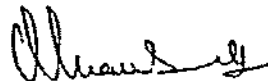
With reference to the above subject, herewith we are submitting the Six monthly condition wise compliance report as on 30.12.2024 of stipulated conditions in Environmental Clearance issued by MoEF, Newdelhi vide F.No. J11011/314/2007-IA II (I) dt.31st August, 2007 of M/s Coromandel International Limited, Sriharipuram Visakhapatnam for enhanced production capacity of complex fertilizer plant from 2700 MTPD to 3900 MTPD 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.

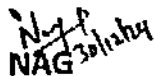
This is for information please.

Thanking you,

Yours faithfully

For Coromandel International Limited


Gnanasundaram M
Vice President & Head Mfg.


NAG

Enclosures: 1. EC 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.

@@@

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

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

ENVIRONMENTAL ENGINEER



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

TEAM

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

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Ph. : (O) 0891-2748699, Cell : 9849033397, E-mail : teamlabsvizag@gmail.com

Coromandel International Limited, Visakhapatnam

MoEF-EC- COMPLIANCE STATUS OF Environmental Clearance (EC) issued by MoEF for enhanced production capacity of complex fertilizer plant from 2700 MTPD to 3900 MTPD

Reference : Ref: J11011/314/2007-IA II (I) dt. 31st August, 2007
Period : For the period from June -24 to November -24

A.) SPECIFIC CONDITIONS:

S. NO	CONDITION	COMPLIANCE STATUS
1)	<p>The expansion of the project shall be based on process improvement, technology innovation, improving on stream-hours, maximization of equipment capacity and continuous supply of raw materials.</p> <p>No Sulphuric acid and phosphoric acid plant shall be installed for additional requirement of Sulphuric and phosphoric acid. Due to enhancement of production pollution load shall not increase from the existing load.</p>	<p>Compiled</p> <p>The Complex plant during its upgradation was done with below mentioned improvements and technology innovations: -</p> <ul style="list-style-type: none">• Usage of higher capacity pipe-reactor with improved technology.• Upgrading drives for Dryer, bucket elevators, installation of new piping, pre-heaters and higher efficiency scrubber nozzles. Also enhanced infrastructure to handle the additional quantity of raw materials, bulk and finished products.• We have done the plant expansion after obtaining the necessary Environmental clearance from the MoEFCC and APPCB. <p>Reference EC: - 11011/388/2006-IA 18.05.2007 and 11011/548/2008-IA-I</p>



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Coromandel International Limited, Visakhapatnam

S. NO	CONDITION	COMPLIANCE STATUS
		June 10, 2009.
ii)	The project authorities shall install efficient scrubbing system to control fluorine emission and bag filters for dust control in phosphoric acid plant.	Complied Installed fume scrubber at phosphoric acid plant to reduce the fluorine emissions and Bag filters at Rock-grinding Section to meet the norms specified by the statutory authorities.
iii)	Multi stage scrubbing system shall be installed to control ammonia, fluorine and suspended particulate matter in fertilizer plant.	Complied Multi-stage (Four-stage) scrubbing system was incorporated for 'A' & 'B' Trains in the year 2001 and for C-Train, in the year 2000. Presently, the emissions of ammonia and fluoride from all the stacks are within the limits specified by the statutory authorities. Monitored values of the fluoride emissions found to be below 4 mg/Nm ³ from the stack of phosphoric acid plant are being submitted to APPCB. The gaseous emissions are being monitored on a continuous basis with in house laboratory. Further, MoEF approved third party analysis is also being carried out on monthly basis and the reports are submitted regularly. Complex A, Complex-B & Complex C train were installed with online stack analyzer and the data is

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S. NO	CONDITION	COMPLIANCE STATUS
		<p>uploading to APPCB & CPCB websites through cloud server.</p> <p>SAP-I & SAP-II installed with online stack analyzer and connected to CPCB & APPCB websites.</p> <p>Phosphoric acid and rock grinding units were installed with PM Online stack analyzers. The HF analyzer is also installed at Phosphoric acid plant.</p> <p>All the analysers are connected to APPCB & CPCB websites.</p>
iv)	The project authority shall install dust collection system in fertilizer bagging plant.	<p>Complied</p> <p>Industry implemented Pipe reactor technology for improving the granulation and reduce the dust level.</p> <p>Following additional Measures adopted to reduce dust emissions</p> <p>Additional product dust screens are arranged to remove the dust even before it reaches bagging plant.</p> <p>Product granulation aids (chemicals) are added to increase the granule strength as a result the product dust formation drastically reduced.</p> <p>Added de-dusting and scrubbing system for recovery of dust in the</p>

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Coromandel International Limited, Visakhapatnam

S. NO	CONDITION	COMPLIANCE STATUS
		granulation plant. installation of bag filters avoided in the bagging section as the product is hygroscopic in nature.
v)	The Sulphuric Acid Plant shall be based on double conversion double absorption technology and anodically protected acid coolers shall be provided. Start-up scrubbers shall be installed in both Sulphuric acid plants to minimize SO ₂ emission during start-up.	Complied The Sulphuric Acid Plant are based on double conversion double absorption technology and alkali scrubbers installed in the Sulphuric acid plants and emission values of SO ₂ are below the norms prescribed by APPCB.
vi)	The project authority shall install high efficiency scrubber nozzles, additional tail gas scrubber, improve the scrubber efficiency by optimizing the L/G ratio, install additional cyclones in scrubbing system, and install mist eliminators in scrubbers.	Complied Installed higher-efficiency scrubber nozzles. Improved L/G ratio through installing higher capacity scrubber circulation pumps and standby cyclones kept in place to prevent the dust emissions.
vii)	Permission of the competent authority shall be obtained for drawl of additional quantity of 250m ³ /d existing Tatipudi and Meghadrigedda reservoirs.	Complied No additional water is required from Municipal Corporation and existing quantities (De-desalination plant and GVMC) are adequate to meet additional requirements.
viii)	The gaseous emissions (SO ₂ , SO ₃ , NO _x , NH ₃ , F, fertilizer dust) and particulate matter from various process units shall conform to the standards prescribed by the concerned	Complied All the applicable gaseous parameters including that of

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Coromandel International Limited, Visakhapatnam

S. NO	CONDITION	COMPLIANCE STATUS
	authorities from time to time. Emission data shall be periodically monitored and reports submitted to Ministry's Regional Office, CPCB and SPCB.	Fluorides are monitored vide online OCEMS and are connected to the APPCB & CPCB and found to be within the limits. Necessary interlocking are in place to limit the emission within the limits. Regular 3 rd party monitoring reports are submitted to the concerned authorities. A copy of the acknowledgment herewith is enclosed as Annexure - 01
ix)	All the wastewaters generated from the various processes shall be recycled / reuse in the plant and zero discharge shall be maintained. The domestic wastewater shall be treated in septic tanks and treated waste shall be used for irrigation in the greenbelt.	Complied Effluents from Sulfuric acid & Phosphoric acid are being treated in effluent treatment plant and recycled back in process. To achieve Zero effluent discharge from complex fertilizer plant. Sewage treatment plant was installed for domestic wastewater treatment and the treated water is used for plantation.
x)	The proponent shall not withdraw groundwater for the plant and if it requires, the permission from the competent authority CGWA / SGWB shall be obtained.	Complied
xi)	The company shall develop the greenbelt in atleast 25% land area to mitigate the effect of fugitive emissions and noise as per the guidelines CPCB.	Complied Out of the 428 acres, the revised land area is 313(after demarking from VPT) and the green belt is developed in 120 acres area which is more than 33%..

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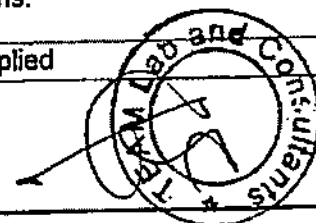
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Coromandel International Limited, Visakhapatnam

S. NO	CONDITION	COMPLIANCE STATUS
		Photographs of the plantations are attached in Annexure-02
xii)	The company shall implement all the recommendations made in the Charter on Corporate Responsibility for Environmental Protection (CREP) for fertilizer Industries	Complied. A copy of the submitted half-yearly CSR report is enclosed in Annexure - 03

B) GENERAL CONDITIONS:

	CONDITION	COMPLIANCE STATUS
i)	The project authorities shall strictly adhere to the stipulations of the SPCB/state government or any statutory body.	Noted and Complied by Industry
ii)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Being Complied No further expansion would be taken up without prior environment clearance.
iii)	At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	Noted and shall be Complied by Industry In case of any upset in the process resulting in increase of emissions, the plant shall be stopped immediately for taking necessary actions.
iv)	The locations of ambient air quality	Complied



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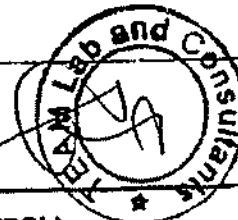
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Coromandel International Limited, Visakhapatnam

	CONDITION	COMPLIANCE STATUS
	monitoring stations shall be reviewed in consultation with the State Pollution Control Board (SPCB) and additional stations shall be installed, if required, in the downwind direction as well as where maximum ground level concentrations are anticipated.	Industry installed 03 numbers of online ambient air monitoring stations and also appointed NABL accredited and CPCB recognized Third party Laboratory for monitoring the ambient air quality at 05 Locations. The reports are being submitted regularly.
v)	Dedicated scrubbers and stacks of appropriate height as per the Central Pollution Control Board guidelines shall be provided to control the emissions from various vents. The scrubbed water shall be sent to ETP for further treatment.	Complied Installed stacks to the scrubbers as per the CPCB guidelines. Scrubbing liquid generated in the complex plant is reused in the process. ETP provided to treat the effluent. In Phosphoric acid plant, the fluoride recovery is done converting it to Hydro-fluoro silicic acid.
vi)	All the storage tanks will be under negative pressure to avoid any leakages. Breather valves, N ₂ blanketing and secondary condensers with brine chilling system shall be provided for all the storage tanks to minimize vapor losses. All liquid raw material shall be stored in storage Tanks and Drums.	Complied Installed atmospheric ammonia storage tanks to store ammonia. Ammonia sensors are located at various locations within the factory premises. All liquid raw material are stored in storage Tanks and Drums only.
vii)	The company shall undertake following Waste Minimization measures. <ul style="list-style-type: none">> Metering and control of quantities of active ingredients to minimize waste.> Reuse of by-products from the process as raw materials or as raw material	Complied Following measures taken for wasteminimization



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Coromandel International Limited, Visakhapatnam

	CONDITION	COMPLIANCE STATUS
	substitutes in other processes	Installed grinding unit to recycle filter cake into granulation plant
	> Use of automated filling to minimize spillage.	Constructed acid recovery pits to reuse in the process
		Identified dedusting points and connected to cyclones
		Water meters and energy meters provided to water lines and pollution control equipment.
		Installed pipe conveyors to transfer rock phosphate.
	> Use of "Close Feed" system into batch reactors.	These conditions are not applicable to the industry.
	> Venting equipment through vapor recovery system.	
	> Use of high-pressure hoses for equipment cleaning to reduce wastewater generation.	
viii)	Fugitive emissions in the work zone environment, product, and raw materials storage area shall be regularly monitored. The emissions shall conform to the limits imposed by the State Pollution Control Boards/Central Pollution Control Board.	Complied copy of the third-party fugitive emission monitoring reports herewith is enclosed as Annexure - 04
ix)	The project authorities shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended in October, 1994 and January, 2000 and Hazardous Waste (Management and Handling) Rules, 1989, as amended from time to time. Authorization from the SPCB shall be obtained for collection, treatment, storage, and disposal of	Complied Industry complying with the MSIHC Rule 1989 as amended in 2000 and also the Hazardous waste management rules 1988. Industry obtained CCA (Combined Consent Authorization) from SPCB

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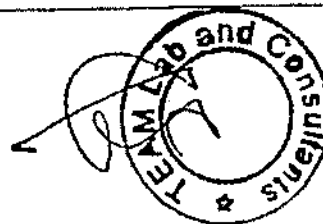
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Ph. : (O) 0891-2748599, Cell : 9849033397, E-mail : teamlabsvizag@gmail.com

Coromandel International Limited, Visakhapatnam

	CONDITION	COMPLIANCE STATUS
	hazardous wastes.	is valid up to 31.08.2027 A copy of the CFO is enclosed in Annexure - 05
x)	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Complied Noise monitoring is being carried out and the noise levels are within the prescribed norms. A copy of third-party noise monitoring reports are herewith is enclosed as Annexure - 06
xi)	The company shall develop rainwater-harvesting structures to harvest the run off water for recharge of ground water.	Rain water harvesting is not feasible as the plant is very close to the sea and water table is very high in the area. However collection pit provided for the collection of the storm water and recycling it in the process to conserve the fresh water.
xii)	Occupational health surveillance of the workers shall be carried out on a regular basis and records shall be maintained as per the Factories Act.	Complied Dedicated OHC is available within the factory premises with full time doctor availability. Regularly Industry conducting Annual medical check-up for employees and contract workmen according to Factories act



(ENGINEERS & CONSULTANTS IN POLLUTION CONTROL)

NABL Accredited Laboratory

Laboratory Recognised by Ministry Environment, Forests and Climate Change, Govt, New Delhi
EIA Consultancy Accredited by NABET, Quality Council of India.

TEAM

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

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Ph. : (O) 0891-2748699, Cell : 9849033397, E-mail : teamlabsvizag@gmail.com

Coromandel International Limited, Visakhapatnam

	CONDITION	COMPLIANCE STATUS
xiii)	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment. The eco-development plan should be submitted to the SPCB within three months of receipt of this letter for approval.	Complied. A copy of the submitted half-yearly CSR report is enclosed in Annexure - 03
xiv)	The project proponent shall also comply with all the environmental protection measures and safeguards proposed in the EIA / EMP report.	Noted and being complied
xv)	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Complied A separate environment management cell at the corporate level headed by AVP, HSE & A separate environment cell plant level headed by Plant EHS level are in place. Industry appointed NABL & MoEFCC accredited Lab to carry out the Environmental monitoring regularly
xvi)	The project authorities shall earmark adequate funds to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Complied
xvii)	The implementation of the project vis-à-vis environmental action plans shall be monitored by the concerned Regional Office of the Ministry/SPCB / CPCB. A six monthly compliance status report shall be	Complied Compliance reports are sent regularly and the same are uploaded to the company website.

(ENGINEERS & CONSULTANTS IN POLLUTION CONTROL)

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EIA Consultancy Accredited by NABET, Quality Council of India.

TEAM

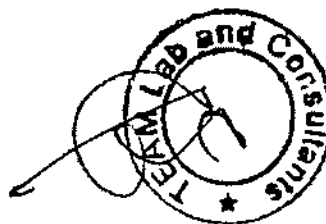
Labs and Consultants

Registered Office : B-115, 116, 117 & 509, Annapoorna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038
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Coromandel International Limited, Visakhapatnam

	CONDITION	COMPLIANCE STATUS
	submitted to monitoring agencies and shall be posted on the website of the Company.	The company website link is https://www.coromandel.biz/A copy of the submitted Half yearly is enclosed in Annexure - 07
xviii)	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Complied Advertised in prominent news papers in local language and also English, and copies were forwarded to Regional Office, MoEF, Bangalore and SPCB.
xix)	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Complied All the projects were completed by 2009-10 with internal accruals.



(ENGINEERS & CONSULTANTS IN POLLUTION CONTROL)

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EIA Consultancy Accredited by NABET, Quality Council of India.

EHS/MoEF/2025 - 067

31/05/2025

To
The Director,
Regional Office (South Eastern Zone),
Ministry of Environment, Forests and Climate Change,
1st and 2nd Floor, Handloom Export Promotion Council,
34, Cathedral Garden Road,
Nungambakkam, Chennai-600034.

Dear Sir,

Sub: Half Yearly EC (Environment Clearance) Compliance Report- regd.

Ref: F. No. J-11011/548/2008-IA-II(I) dated 10.06.2009

Please find the attached half yearly compliance report of Environment Clearance issued by MOEFCC for manufacturing of Customized Fertilizer Plant of two streams of 300 MTPD each.

Period of submission : **Oct 24 to Mar'25**

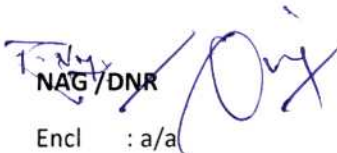
Unit : Coromandel International Limited, Visakhapatnam

Thanking You,

For Coromandel International Limited



M. Gnanasundaram
VP – Head Manufacturing


NAG/DNR

Encl : a/a

CC: The Member Secretary, Head Office-APPCB, Vijayawada
Joint Chief Environmental Engineer, APPCB, Zonal Office, Visakhapatnam
Environmental Engineer, APPCB, Regional Office, Visakhapatnam

EHS2-Vizag-Coromandel

From: Nagarjuna-P-Mgr-EHS-Vizag-Coromandel
Sent: 02 June 2025 15:17
To: 'eccompliance-ap@gov.in'; APPCB RO, VSP; zovspappcb
Cc: Nageswara Rao G-AsstMgr-EHS-Vizag-Coromandel; EHS2-Vizag-Coromandel; Subhradip Mondal-Sr.Mgr-Environment-Fertiliser-Vizag-Coromandel; Nagaraju D-AGM-EHS-Vizag-Coromandel; Vinod Kumar Mishra-Sr.GM-EHS-Vizag-Coromandel
Subject: Half Yearly EC (Environment Clearance) Compliance Report- regd.
Attachments: MoEF Comtomized fertilizer plants (Oct - 2024 to March -2025).pdf

Dear Sir,

Ref: F. No. J-11011/548/2008-IA-II(I) dated 10.06.2009

Please find the attached half yearly compliance report of Environment Clearance issued by MOEFCC for manufacturing of Customized Fertilizer Plant of two streams of 300 MTPD each.

Period of submission : October -2024 to March -2025
Unit : Coromandel International Limited, Visakhapatnam

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, Visakhapatnam

**MoEF-EC- COMPLIANCE STATUS OF Environmental Clearance (EC) issued by MoEF
for Manufacture of Customized Fertilizer plant of two streams of 300 MTPD each**

Ref: F. No. J-11011/548/2008-IA-II(I) dated June 10, 2009

For the period from Oct-2024 to March-2025

A.) SPECIFIC CONDITIONS:

S.NO.	CONDITION	COMPLIANCE STATUS
i)	The company shall comply with all the conditions mentioned in the environmental clearance issued to the existing plant vide Ministry's letter F.No.J-11011/314/2007-IA.II(I) dated 31st August, 2007 for expansion of the fertiliser plant from 2700 to 3900 TPD	Complied The all the conditions stimulated vide E C No: F.No. J-11011/314/2007-IA.II(I) dated 31st August 2007 are being complied and separate complied reports are submitted regularly to the ministry.
ii)	The projects authorities shall ensure zero discharge from the proposed plant. The wastewater generated for the existing plant shall be treated and disposed as per the standards prescribed by the Andhra Pradesh Pollution Control Board. No utilities shall be developed for this project.	Noted & complied
iii)	The project authorities shall not manufacture the raw materials as this plant will be based on mixing process only.	Noted
iv)	The project authority shall install dust collection such as cyclone system in fertilizer mixing and bagging plant to control particulate emissions.	Complied Installed cyclones in series for each circuit to eliminate dust emissions
v)	The company shall carry out air quality monitoring at vents/stacks and regular monitor the gaseous emissions along with particulate matter. The reports shall be submitted to the Ministry's Regional Office at Bangalore, CPCB, and SPCB	Presently customized Plant is not in operation however monitoring will be carried out, and reports will be submitted once the operation resumes. The ambient air monitoring data Half yearly submitted to the concerned authorities

Coromandel International Limited, Visakhapatnam

S.NO.	CONDITION	COMPLIANCE STATUS
vi)	The gaseous emissions (SO ₂ , NO _x , NH ₃ , Urea dust) and particulate matter from various process units shall conform to the standards prescribed by the concerned authorities from time to time. Emission data shall be periodically monitored and reports submitted to Ministry's Regional Office at Bangalore, CPCB and SPCB.	Presently customized Plant is not in operation however monitoring will be carried out, and reports will be submitted once the operation resumes. The ambient air monitoring data Half yearly submitted to the concerned authorities
vii)	Data on ambient air quality, stack emissions and fugitive emissions shall be regularly uploaded on the website of the company and submitted on-line to the Ministry's Regional Office at Bangalore, Andhra Pradesh Pollution Control Board (APPCB) and Central Pollution Control Board (CPCB) as well as hard copy once in six months. Data on SPM, SO ₂ and NO _x shall also be displayed outside the premises at the appropriate place for the general public.	Complied We are uploading the half-yearly compliance report of the company website which also includes data on ambient air quality stack monitoring etc. The reports are forwarded to the concerned regional office of the MoEF & SPCB, and CPCB on a half-yearly basis. We have Installed a display board at our main gate where the monitoring data are displayed for the public.
viii)	the company shall develop the green belt in 33% area, out of total area to mitigate the effect of fugitive emissions and noise as per the guidelines of CPCB	Complied Out of the 428 acres, the revised land area is 313 (after demarking from VPT) and the green belt is developed in 120 acres area which is more than 33%. The plantation photographs are attached in Annexure - 01
ix)	The company shall implement all the recommendations made in the Charter on Corporate Responsibility for Environmental Protection (CREP) for fertilizer industries for existing and proposed plant	Complied. A copy of the submitted half-yearly CSR report is enclosed in Annexure - 02

Coromandel International Limited, Visakhapatnam

S.NO.	CONDITION	COMPLIANCE STATUS
x)	Occupational health surveillance of the workers shall be carried out on a regular basis and records shall be maintained as per the Factories Act.	Complied Annual health checkups being conducted for employees and contract workmen according to the Factories act and Records are maintained.
xi)	The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.	Complied The plant has full full-fledged firefighting system and also has an agreement for mutual aid with neighboring industries. Periodic mock drills are carried out to ensure preparedness
xii)	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Complied Presently post completion of the project no temporary structures are envisaged inside plant however the necessary amenities like toilets, safe drinking water, medical treatment etc..are available inside the plant premises for all the Employees and Workmen
B) GENERAL CONDITIONS		
i)	The project authorities shall strictly adhere to the stipulations of the SPCB / State Government or any statutory body.	Agreed
ii)	The gaseous emissions (SO ₂ , HCL, NO _x , NH ₃ , Fertiliser dust) and particulate matter from various process units shall conform to the standards prescribed by the concerned authorities from time to time. Emission data shall be periodically monitored and reports submitted to Ministry's Regional Office, CPCB and SPCB.	Presently customized Plant is not in operation however monitoring will be carried out, and reports will be submitted once the operation resumes. The ambient air monitoring data Half yearly submitted to the concerned authorities

Coromandel International Limited, Visakhapatnam

S.NO.	CONDITION	COMPLIANCE STATUS
iii)	All the waste waters generated from the various processes shall be recycled/reused in the plant and zero discharge shall be maintained. The domestic waste water shall be treated in septic tanks and treated waste shall be used for irrigation in the green-belt.	Complied Zero effluent discharge from customized plant and developed & implemented schemes to make minimize effluent from phosphoric acid & Sulfuric acid plants
iv)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Noted
v)	At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	Noted
vi)	The locations of ambient air quality monitoring stations shall be reviewed in consultation with the State Pollution Control Board (SPCB) and additional stations shall be installed, if required, in the downwind direction as well as where maximum ground level concentrations are anticipated.	Complied We have installed 03 numbers of online ambient air monitoring stations and we have also monitored the ambient air through a third party at 05 Locations. The reports are submitted regularly.
vii)	Dedicated scrubbers and stacks of appropriate height as per the Central Pollution Control Board guidelines shall be provided to control the emissions from various vents. The scrubber water shall be sent to ETP for further treatment.	Complied Stacks & scrubbers have been installed according to CPCB guidelines. Scrubbing liquid recycling into the process

Coromandel International Limited, Visakhapatnam

S.NO.	CONDITION	COMPLIANCE STATUS
viii)	Fugitive emissions in the work zone environment, product, and raw materials storage area shall be regularly monitored. The emissions shall conform to the limits imposed by the State Pollution Control Boards/Central Pollution Control Board.	Complied A copy of the third-party fugitive emission periodically conducted report is enclosed in Annexure - 03
ix)	The project authorities shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals rules, 1989 as amended in the October, 1994 and January 2000 and Hazardous Waste (Management and Handling) Rules, 1989 as amended from time to time. Authorization from the SPCB shall be obtained for collection, treatment, storage and disposal of hazardous wastes.	Complied We are complying with the MSIHC Rule 1989 as amended in 2000 and also we are complying with the Hazardous waste management rules 1988. We have obtained CCA (Combined Consent Authorization) from APPCB is valid up to 31.08.2027 A copy of the CFO is enclosed in Annexure - 04
x)	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers,	Complied Though overall noise levels are kept within the limit always. Noise monitoring is being carried out and the noise levels are within the prescribed noise standards. A copy of the third-party noise analysis reports is enclosed in Annexure - 05
xi)	The company shall develop rainwater harvesting structures to harvest the run-off water for recharge of groundwater.	The ground water table is very high at the plant location is very near to the sea. Construction of rainwater harvesting is difficult. However, we have developed a collection pit for surface runoff water the collected water is recycled back to conserve the water

Coromandel International Limited, Visakhapatnam

S.NO.	CONDITION	COMPLIANCE STATUS
ii)	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment. The eco-development plan should be submitted to the SPCB within three months of receipt of this letter for approval.	The details of CSR & Eco-development are given as an Enclosed in Annexure - 02
xiii)	The project proponent shall also comply with all the environmental protection measures and safeguards proposed in the EIA/EMP report.	Noted and complying. All the Environmental protection measures are in place to prevent emissions
xiv)	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental management and Monitoring functions	Complied A separate environment management cell at the corporate level headed by AVP, HSE & A separate environment cell plant level headed by Plant EHS level are in place. We have engaged NABL & MoEFCC accredited Lab to carry out the Environmental monitoring regularly
xv)	The project authorities shall earmark adequate funds to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Complied Funds are provided through Revenue/Capital budget.
xvi)	The implementation of the project vis-à-vis environmental action plans shall be monitored by the concerned Regional Office of the Ministry/SPCB/CPCB. A six-monthly compliance status report shall be submitted to monitoring agencies and shall be posted on the website of the Company.	Complied Compliance reports are sent regularly and the same are uploaded to the company website. The company website link is https://www.coromandel.biz/sustainability/environment A copy of the submitted Half yearly is enclosed in Annexure - 06

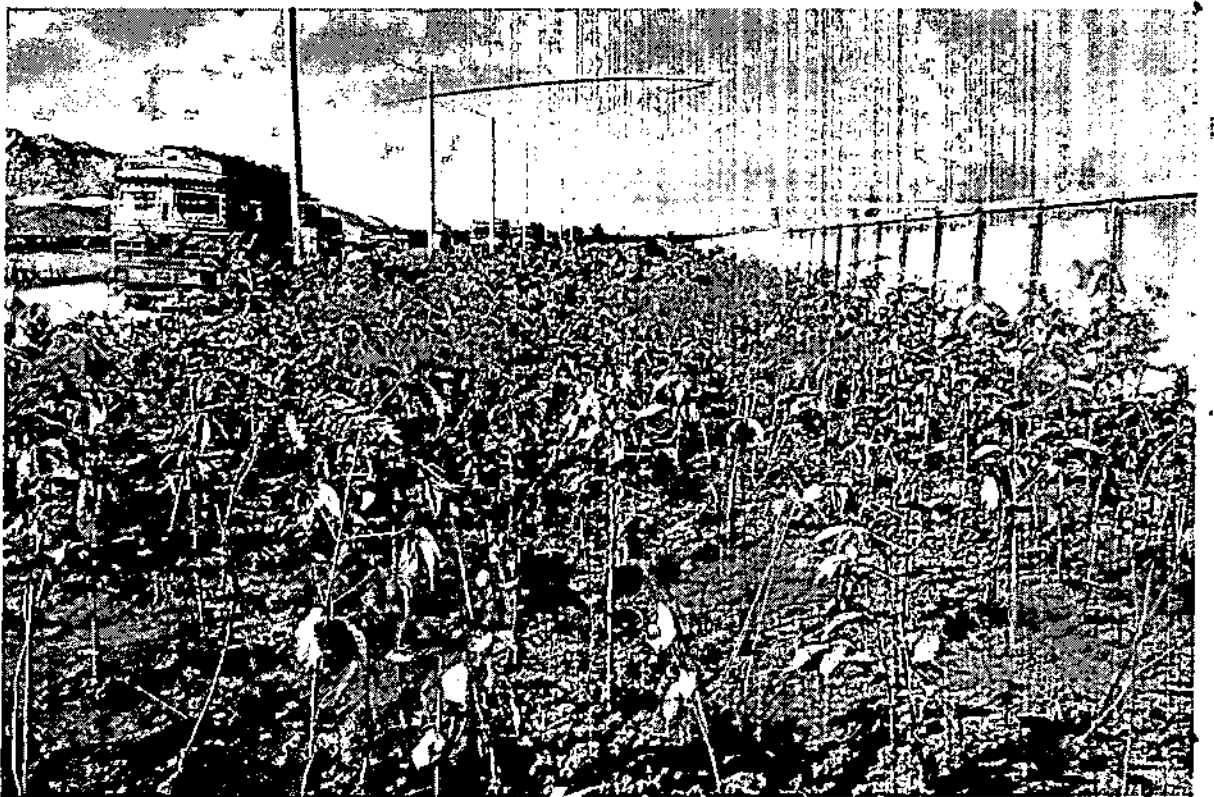
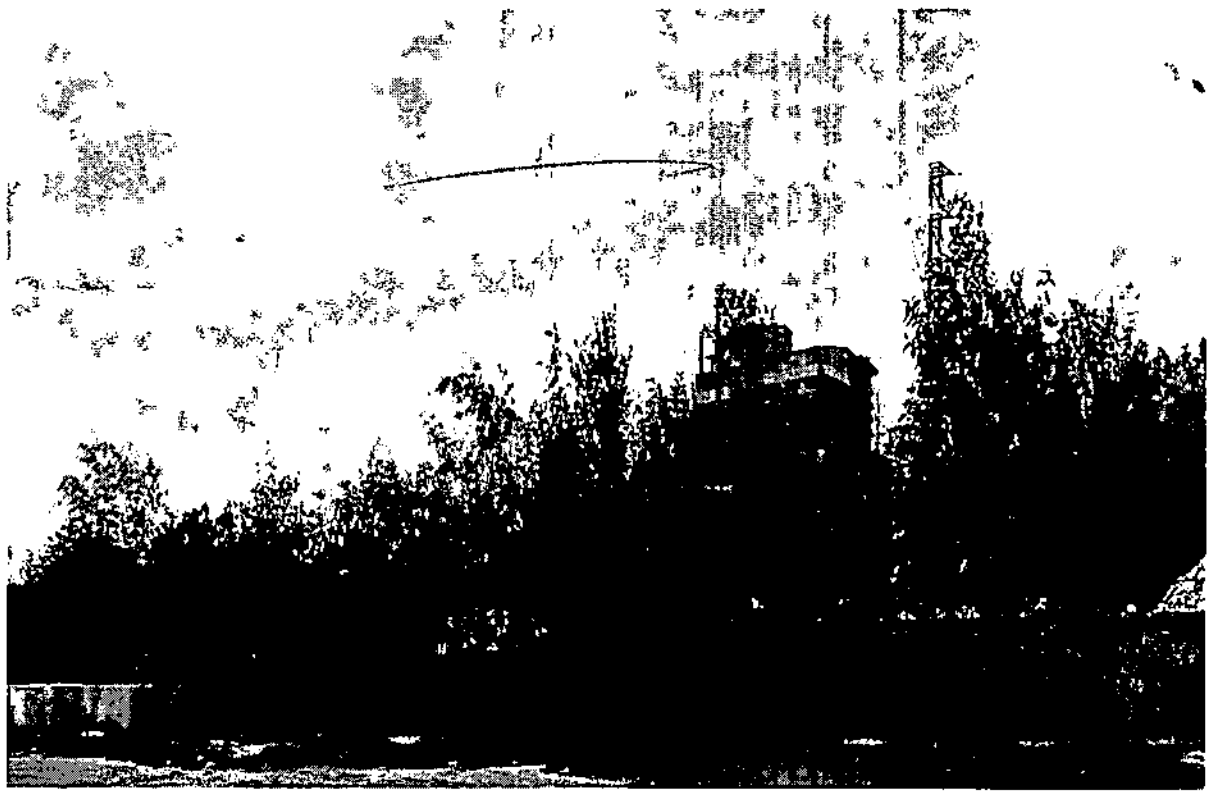
Coromandel International Limited, Visakhapatnam

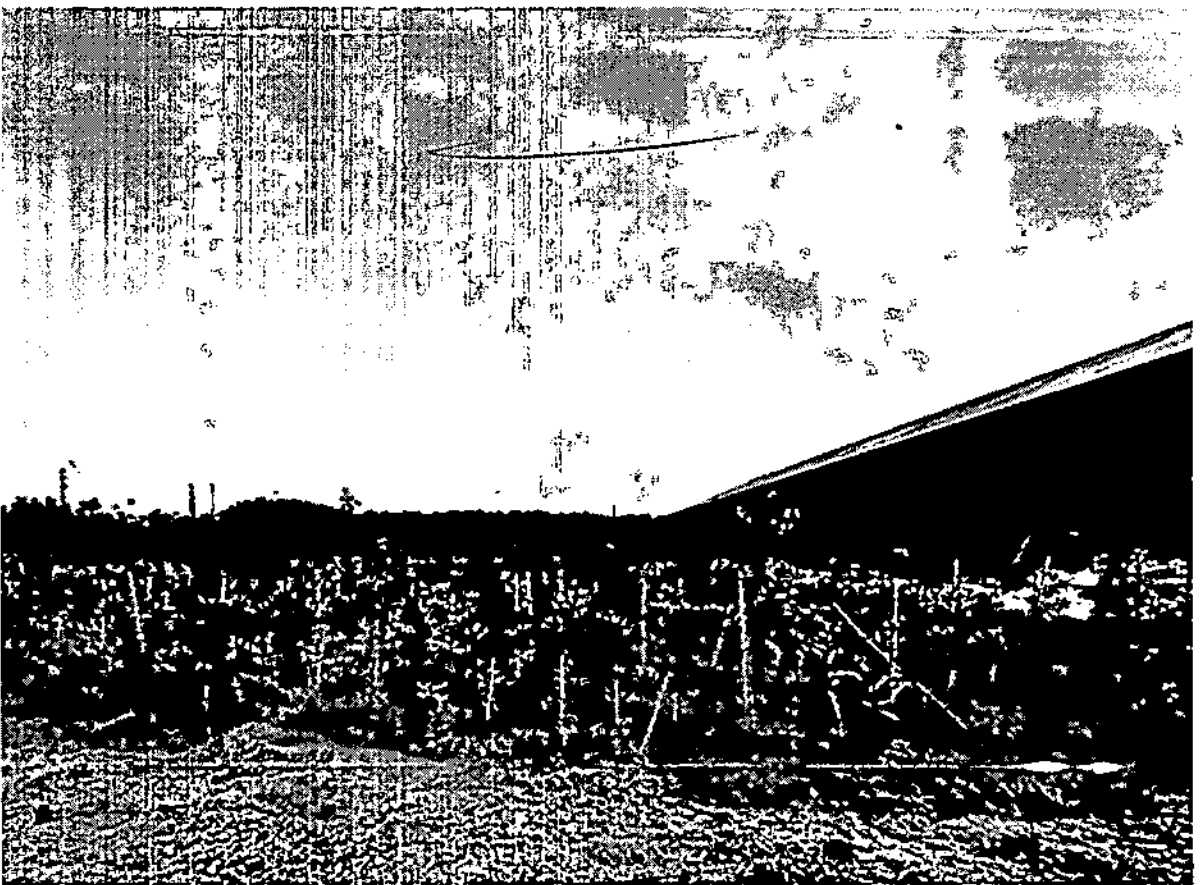
S.NO.	CONDITION	COMPLIANCE STATUS
xvii)	State Pollution Control Board should display a copy of the clearance letter at the Regional office, Gram Panchayat, District Industry Centre and Collector's office/Tehsildar's Office for 30 days.	Complied
xviii)	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with SPCB and may also be seen at Website of the Ministry at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Complied Advertised in prominent newspapers in the local language and also English and copies were forwarded to Regional Office, MoEF, Chennai and SPCB.
xix)	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Noted

**COROMANDEL INTERNATIONAL LTD. VISAKHAPATNAM.
GREEN BELT PHOTOS**

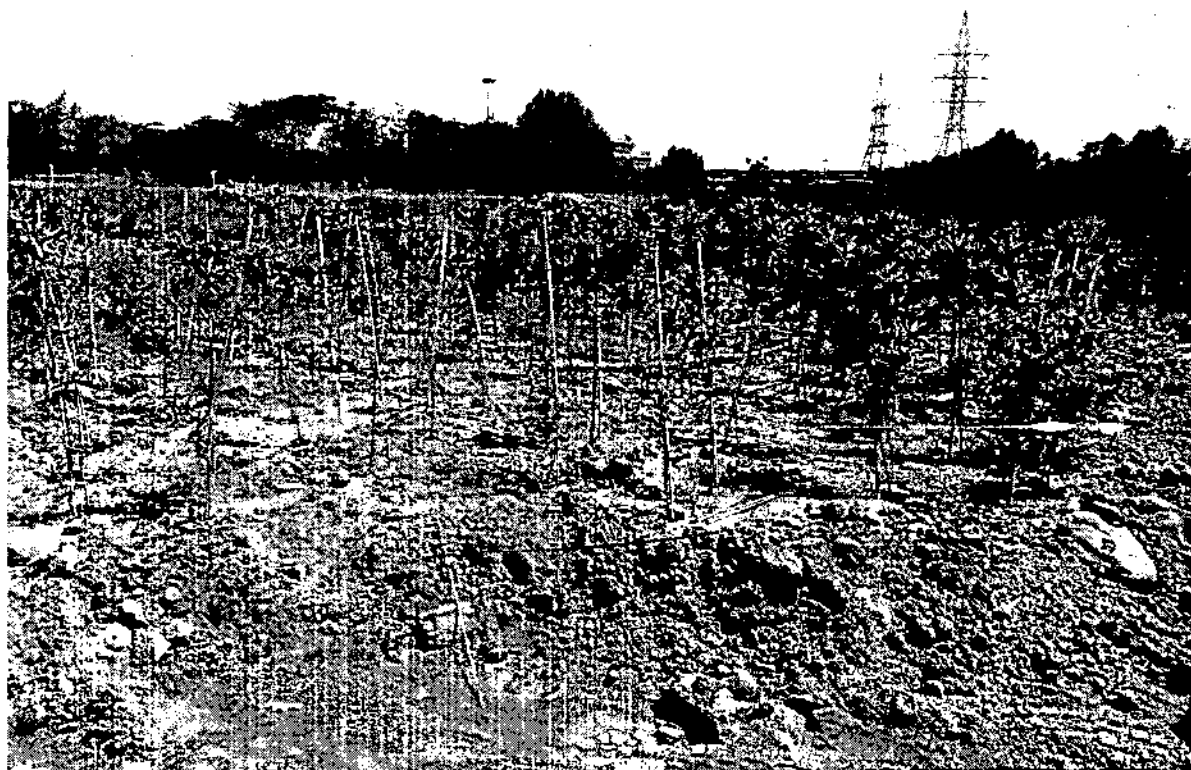














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Post Box No. 1116, Sriharipuram, Malkapuram Post
Visakhapatnam - 530 011, Andhra Pradesh, India
Tel : 91-891-2578400
DID : 91-891-2893+Extn No
Website : www.coromandel.biz
CIN : L24120AP1961PLC000892
GSTIN : 37AAACC7852K1ZC

30-04-2025

**The Member Secretary,
APPCB Head Office,
Dr. YSR Paryavaran Bhavan,
APIIC Colony Road,
Gurunanak Colony, Autonagar,
Vijayawada- 520010**

Ref: EC number F. No. 11-35/2015-IA-III, Dated 27 June 2017

This has reference to above mentioned subject, we are submitting the detailed report of CSR/CER activities carried out by Coromandel International Limited, Vizag during the period from October 2025 to March 2025.

The above submission is in line with EC compliance & Record please.

Ant:55.46.Tax:8.46.Ant.Paid:55.00(Cash)
 (Track on www.indiapost.gov.in)

INDIA POST

INR 35507191112-8225-95520719
 M 12/04/2025 5:00 PM

Counter No:1.02/05/2025.11:53
 To:THE MEMBER SE,APPCO HEAD OFFICE
 PIN:520014,Dist:Khammam,State:TS
 Product:PAID MAIL BOX NO:1128
 Wt:102gms,REG-17.0

Ant:55.46.Tax:8.46.Ant.Paid:55.00(Cash)

For Coromandel International Limited

Gnanasundaram M
Vice President & Head Mfg.

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/2025 - 54

30-04-2025

To

The Member Secretary,
APPCB Head Office,
Dr. YSR Paryavaran Bhavan,
APIIC Colony Road,
Gurunanak Colony, Autonagar,
Vijayawada- 520010

SUB: Submission of the CER/CSR Report for the period of October 2025 to March 2025

Ref: EC number F. No. 11-35/2015-IA-III, Dated 27 June 2017

Dear Sir,

This has reference to above mentioned subject, we are submitting the detailed report of CSR/CER activities carried out by Coromandel International Limited, Vizag during the period from October 2025 to March 2025.

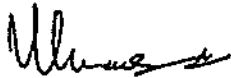
We recognize the importance of sustainable business practices and are committed to making a positive impact on society and the environment.

The above submission is in line with EC compliance & Record please.

Thanking you,

Yours faithfully,

For Coromandel International Limited


Gnanasundaram M
Vice President & Head Mfg.

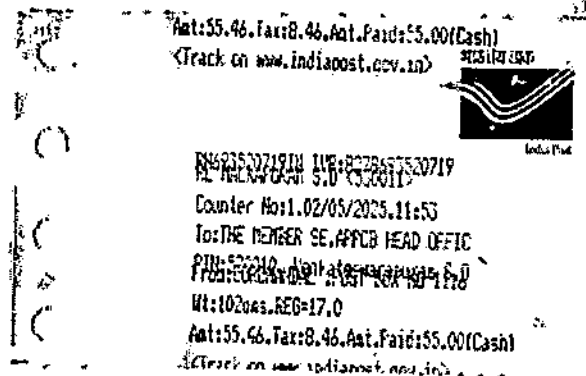

NAG/DNR

Enclosure: CSR/CER Report
Copy: RO, APPCB, Visakhapatnam

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@coromandelmurugappa.com


murugappa



TEAM**ORIGINAL**

Form-No TCL/UGF/RF-138

Labs and Consultants**Registered Office :**

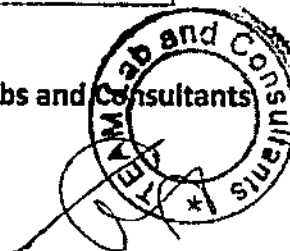
B-115, 116, 117 & 509, Annapoorna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.

Ph. : (O) 040-23748555 / 23748516, 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/33/1024		dt.01.11.2024	
Description of Test		Fugitive Emissions at workplace-SPM			
Name of the client		Coromandel International Limited, Visakhapatnam			
Location of sampling		As provided below			
Period of Collection		OCTOBER-2024			
Duration of sampling		8 hr.			
Protocol		IS5182 Part 23			
S No.	Plant/Department	Location/area	Result SPM mg/m3	Time weighted average concentration 8 hr. allowed per OSHA For total dust	
1	A-TRAIN	Near granulator	1.6	15.0 mg/m3	
		Bins area	1.7		
		Screen Section	1.9		
		Recycle Conveyor	1.6		
2	B-TRAIN	Near granulator	1.8		
		Bins area	1.4		
		Screen Section	1.5		
		Recycle Conveyor	1.9		
3	C-TRAIN	Near granulator	2.2		
		Bins area	2.0		
		Screen Section	2.1		
		Recycle Conveyor	2.0		
4	PAP - I	Reactor area (PAP-I)	1.5		
		Dust Bins area (PAP-I)	1.6		
		Head drum area (PAP-I)	1.7		
		RG-1 (OBM)	1.9		

For TEAM Labs and Consultants



TEAM**ORIGINAL**

Form-No. TCLL/GF/RF-138

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/33A/1024		dt.01.11.2024
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Name of the client		Coromandel International Limited, Visakhapatnam		
Location of sampling		As provided below		
Period of Collection		OCTOBER-2024		
Duration of sampling		8 hr.		
Protocol		IS5182 Part 23		
S No.	Plant/Department	Location/area	Result SPM mg/m3	Time weighted average concentration 8 hr allowed per OSHA For total dust
5	PAP - 2	Reactor area (PAP-2)	1.3	15.0 mg/m3
		Dust Bins area (PAP-1)	1.6	
		Head drum area (PAP-1)	1.9	
		RG-2 (OBM)	1.4	
6	SAP- 1,2,3	Melter Area (SAP-1)	2.1	
		Rock Feeding Area (SAP-1)	2.1	
		RMH Area (SAP-1)	1.9	
		Melter Area (SAP-1)	1.7	
		Rock Feeding Area (SAP-2)	2.0	
		RMH Area (SAP-2)	2.1	
		Melter Area (SAP3)	2.2	
		Rock Feeding Area (SAP-3)	1.8	
		RMH Area (SAP-3)	1.4	

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, New Delhi

NABL Accredited Laboratory

TEST REPORT

Test Report No		TLC/V/Env/CIL/33B/1024		dt.01.11.2024
Description of Test		Fugitive Emissions at workplace-SPM		
Name of the client		Coromandel International Limited, Visakhapatnam		
Location of sampling		As provided below		
Period of collection		OCTOBER-2024		
Duration of sampling		8 hr.		
Protocol		ISS182 Part 23		
S No.	Plant/Department	Location/area	Result SPM mg/m ³	Time weighted average concentration 8 hr allowed per OSHA For total dust
7	Bagging Plant	PH Maintain Godown	1.8	15.0 mg/m ³
		BP-2 Godown Area	1.7	
		Auto bagging (BP-1)	2.0	
		Auto bagging (BP-2)	1.9	
8	Treatment Plants	ETP Entrance	1.6	
		STP Entrance	1.4	
9	Raw Material Storage area	Rock Godown Near 4OP	1.8	
		Sulphur Godown Near Garage	2.1	
		Urea Godown at Bagging Plant	2.2	

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TEAM**ORIGINAL**

Form-No. TCLL/GF/RF-138

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TEST REPORT

Test Report No		TLC/V/Env/CIL/34/1024		dt.01.11.2024	
Description of Test		Fugitive Emissions at workplace-NH3			
Name of the client		Coromandel International Limited, Visakhapatnam			
Location of sampling		As provided below			
Period of Collection		OCTOBER-2024			
Duration of sampling		8 hr.			
Protocol		IS5182 Part 23			
S No.	Plant/Department	Location/area	Result NH3 mg/m3	Time weighted average concentration 8 hr. allowed per OSHA For total dust	
1	A-TRAIN	Reactor Top Area	1.8	17.41 mg/m3	
		Granulator	0.9		
		Surrounding Area	1.1		
		Pre-Scrubber Area	1.0		
		Dryer Area	1.8		
2	B-TRAIN	Reactor Top Area	1.8		
		Granulator	1.4		
		Surrounding Area	1.6		
		Pre-Scrubber Area	2.0		
		Dryer Area	2.2		
3	C-TRAIN	Reactor Top Area	2.2		
		Granulator	2.5		
		Surrounding Area	0.9		
		Pre-Scrubber Area	0.8		
		Dryer Area	1.6		
4	AAST	Storage Tank Area	1.6		
		Ammonia Storage Facility Area	1.0		

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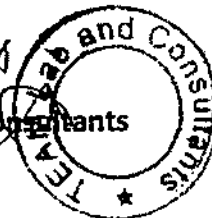
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TEST REPORT

Test Report No		TLC/V/Env/CIL/35/1024		dt.01.11.2024
Description of Test		Fugitive Emissions at workplace-SO2		
Name of the client		Coromandel International Limited, Visakhapatnam		
Location of sampling		As provided below		
Period of Collection		OCTOBER-2024		
Duration of sampling		8 hr.		
Protocol		IS5182 Part 23		
S No.	Plant/Dep artment	Location/area	Result SO2 mg/m3	Time weighted average concentration 8 hr. allowed per OSHA For total dust
1	SAP-1	IAT Area	1.6	5.24 mg/m3
		Furnace Area	2.0	
		Hot Gas Filter Area	2.1	
		Scrubber Area	1.9	
2	SAP-2	IAT Area	2.0	
		Furnace Area	1.6	
		Hot Gas Filter Area	1.4	
		Scrubber Area	1.3	
3	SAP-3	IAT Area	2.1	
		Furnace Area	2.3	
		Hot Gas Filter Area	1.6	
		Scrubber Area	1.4	
4	Wharf Area	Molten Sulphur Storage Area	0.9	
		Sulphuric Acid Storage Area	0.8	

For TEAM Labs and Consultants



**ANDHRA PRADESH POLLUTION CONTROL BOARD**

Dr. YSR Paryavaran Bhavan, APIIC Colony Road,
Gurunanak Colony, Autonagar, Vijayawada- 520007
Phone. No.0866-2463200, Website : <https://pcb.ap.gov.in/>

**RED CATEGORY****CONSENT TO OPERATE & AUTHORIZATION ORDER****Consent Order No : APPCB/VSP/65/CFO/HO/1967 -****Dt. 04/08/2023**

CONSENT is hereby granted to Operate under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21/22 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof and Authorisation under Rule 6 of the Hazardous & Other Wastes (Management and Transboundary, Movement) Rules, 2016 and the rules and orders made there under (hereinafter referred to as 'the Acts', 'the Rules') to:

M/s. Coromandel International Limited,
(After Expansion)

Sriharipuram, Malkapuram (PO)

Visakhapatnam - 530 011

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

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

i) Out lets for discharge of effluents:

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

ii) Emissions from chimneys:

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

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

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

● HAZARDOUS WASTE WITH DISPOSAL OPTION

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

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

● OTHER THAN HAZARDOUS WASTE WITH DISPOSAL OPTION

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

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

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

	Urea Phosphate (or)	
	Micronized / Nano Sulphur	
4	H ₂ SO ₄	4100 TPD (SAP1 – 1700 TPD & SAP2-400 TPD, SAP3- 2000 TPD)
5	Bentonite Sulfur /Bentonite Sulphur with micronutrients	200 TPD
6	Phosphoric Acid	1600 TPD
7	Fertilizer Technology Centre (Granulation) – Straight or Complex or Fortified or Organic or Bio stimulants or Soil conditioner or Mixture of fertilizers	19 TPD
8	Fertilizer technology centre - Phosphoric acid	0.83 TPD
9	Sulpho Zinc & Sulpho Boron	50 TPD
10	Liquid Fertilizer plant – Liquid Suspension or Liquid solution of primary nutrients (N,P,K)/Micronutrients/Secondary nutrients / Organics/Bio Stimulants/Nano fertilizers	6.0 TPD
11	Desalination Plant	6 MLD
By-Products:		
12	Gypsum	8000 TPD
13	Hydrofluorosilicic Acid	40TPD
Bulk storage facilities at site		
14	Ammonia (1x5000 MT + 1x7500 MT)	12500 MT
15	Sulphuric acid (1X4000 MT + 3X 2500MT) + 4 x5000MT + 2 X 12500 MT	56500 MT
16	Phosphoric acid (P ₂ O ₅)	32890 m3 (2 X 310 m3 + 7 X 610 m3 + 7 X 1000 m3 + 3 X 3000 m3 + Wharf - 2 X 6000 m3 = 12000 m3)
17	Molten sulphur **	18000 MT (2 X 7500 MT these two storage tanks located at wharf area + 2 X 1500 MT)
18	LSHS	1193 KL (2 X 500 KL + 1 X 160 KL + 33 KL)
19	Diesel	96 KL (2 X 10 KL + 1 X 16 KL + 60 KL)

20	Kerosene	1 X 50 KL
21	LPG	870 Kg

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

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

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

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

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

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

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

Copy to:

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

SCHEDULE - A

1. Any up-set condition in any industrial plant/ activity of the industry, which result in, increased effluent / emission discharge and/ or violation of standards stipulated in this order shall be informed to this Board, under intimation to the Collector and District Magistrate and take immediate action to bring down the discharge / emission below the limits.
2. The industry should carryout analysis of waste water discharges or emissions through chimneys for the parameters mentioned in this order on quarterly basis and submit to the Board.
3. Notwithstanding anything contained in this consent order, the Board hereby reserves the right and powers to review / revoke any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board.
4. The industry shall ensure that there shall not be any change in the process technology, source & composition of raw materials and scope of working without prior approval from the Board.

5. The applicant shall submit Environment statement in Form V before 30th September every year as per Rule No.14 of E(P) Rules, 1986 & amendments thereof.
6. The applicant should make applications through Online for renewal of Consent (under Water and Air Acts) and Authorization under HWM Rules at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts and detailed compliance of CFO conditions for obtaining Consent & HW Authorization of the Board.
7. The industry should immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions. Any change in the management shall be informed to the Board. The person authorized should not let out the premises / lend / sell / transfer their industrial premises without obtaining prior permission of the State Pollution Control Board.
8. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules 1982, to Appellate authority constituted under Section 28 of the Water(Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air(Prevention and Control of Pollution) Act, 1981.
9. The industry shall be liable to pay Environmental Compensation / Other Environmental Taxes, if any environmental damage caused to the surroundings, as fixed by the Collector & District Magistrate or any other competent authority as per the Rules in vogue.
10. The industry may explore the possibility of tapping the solar energy for their energy requirements.
11. The industry should educate the workers and nearby public of possible accidents and remedial measures.

SCHEDULE - B

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

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

plants.

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

WATER POLLUTION:

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

Outlet	Parameter	Limiting Standards
1 & 2	pH	6.5 – 8.5
	Ammonical Nitrogen	50 mg/l
	Free Ammonical Nitrogen	4.0 mg/l
	Total Kjeldahl Nitrogen	75 mg/l
	Nitrate Nitrogen	20 mg/l
	Cyanide as CN	0.1 mg/l
	Vanadium as V	0.2 mg/l
	Arsenic as As	0.2 mg/l
	Phosphate as P	5 mg/l
	Suspended solids	100 mg/l
	Oil and Grease	10 mg/l
	Fluoride as F	10 mg/l
	Hexavalent Chromium as Cr	0.1 mg/l
	Total Chromium as Cr	2.0 mg/l
	BOD	30 mg/l
	COD	250 mg/l
	Temp :- Not more than 5 °C higher than intake water.	
3	pH	6.50 – 8.50
	Oil and Grease	10 mg/l
	Biochemical Oxygen Demand	30 mg/l
	Total Suspended Solids	<100 mg/l
	Fecal Coliform (FC) (Most Probable Number per 100 milliliter, MPN/100ml)	<1000 MPN/100 ml

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

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

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

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

8. The effluent discharged shall comply with the tolerance limits mentioned as per MoEF notification dated 29.12.2017 prescribed for Fertilizer industry.

9. The industry shall maintain the following:

- Electro Magnetic flow meters with totalisers for water used and effluent generation for different purposes as mentioned in this CTO order.
- Proper records for effluent generation, treated, reused and discharged into meghadrigedda.
- Water flow meter at Leachate Collection pit provided for Gypsum storage yard to quantify the effluents recycled and shall maintain registers.

10. The effluents shall be stored in above ground level collection tanks separately.

11. Effluents shall not be discharged onland or any water bodies or aquifers or outside under any circumstances. Floor washings shall be admitted into effluent collection system only and shall not be allowed to find their way into storm water drains or open areas. The industry shall maintain separate storm water drains and provide rain water harvesting structure.

12. Container, Container liners shall be detoxified at the specified covered platform with dyke walls and the wash wastewater shall be routed to low TDS collection tank.

13. The industry shall comply with the standard for fluoride (1.5 mg/l) in piezo well water samples and shall not exceed the standard

14. The industry shall submit details of maintaining temperature difference (DT) of 5°C before disposal to Sea via Megadri gedda every month.

15. The industry shall provide online effluent monitoring system for pH, BOD, COD, TSS, Phosphates, Fluorides, temperature with online connectivity to CPCB / APPCB as per CPCB directions dated 05.02.2014 and 02.03.2015.

16. The industry shall ensure that no Fluoride contamination in two piezo wells and monitor piezo wells on monthly basis. The industry shall submit trends every 3 months to RO, Visakhapatnam.

AIR POLLUTION:

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

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

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

18.The industry shall comply with emission limits for DG sets upto 800 KW as per the Notification G.S.R.520 (E), dated 01.07.2003 under the Environment (Protection) Amendment Rules, 2003 and G.S.R.448(E), dated 12.07.2004 under the Environment (Protection) Second Amendment Rules, 2004. In case of DG sets more than 800 KW shall comply with emission limits as per the Notification G.S.R.489 (E), dated 09.07.2002 at serial no.96, under the Environment (Protection) Act, 1986.

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

Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009 shall be complied. Following standards prescribed for noise shall be complied.

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

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

20.The industry shall provide a sampling port with removable dummy of not less than 15 cm diameter in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc. A platform with suitable ladder shall be provided below 1 meter of sampling port to accommodate three persons with instruments. A 15 AMP 250 V plug point shall be provided on the platform.

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

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

22. The industry shall operate bulk handling mechanism like telescopic chute system at all raw material storage ware houses and ensure that there shall not be fugitive emissions from the raw material handling warehouses. The industry shall cover all directions of the feeding area of rock phosphate and rectify the fugitive leakages, if any.

23. The industry shall maintain online stack analyzers for all the stacks of complex fertilizer plant for monitoring ammonia, PM and fluorine and one analyser for monitoring fluorine in Phosphoric Acid Plant with online connectivity to CPCB/APPCB as per CPCB directions dated 05.02.2014 and 02.03.2015. The industry shall maintain the online analyzer facility for monitoring of Fluoride in the Phosphoric Acid plant immediately. The data shall be connected to the CPCB / APPCB servers.

24. The industry shall maintain 3 online CAAQM Stations within the plant as per the specifications of CPCB for online monitoring of SPM, RSPM, SO₂, NO_x & Ammonia with networking facility to Head Office, APPCB.

25. The industry shall maintain automatic caustic lye solution dosage for the scrubbers provided in the Sulphuric acid plant so as to maintain pH below 8 in acidic scrubbers provided in the plant. The industry shall maintain online pH measuring facility with auto recording system to the alkali scrubbers provided to treat the sulfuric acid plant emissions.

GENERAL:

26. The industry shall not manufacture new products and not exceed the consented capacity without CTE/CTO of the Board.

27. The industry shall evaporate (concentrate) Phosphoric acid to reduce Fluorine so as to reduce fluorine input to complex fertilizer plant;

28. Housekeeping shall be improved through closed transportation systems. Road sweeping machine shall be deployed for control of dust near Gypsum yard.

29. The industry shall maintain Hazardous waste storage area with concrete platform and leachate collection pit for storage of ETP sludge.

30. The industry shall comply with the guidelines issued by the CPCB regarding storage & handling of gypsum.

31. The industry shall not start-up the Sulfuric acid plants during night time i.e. between 6.00 PM to 8:00 AM.

32. The industry shall operate bag filters at hopper i.e. rock phosphate unloading point at wharf to arrest the fugitive emissions.

33. The industry shall maintain the internal roads within the factory premises.

34. The industry shall update the Disaster Management Plan regularly.

- 35.The industry shall monitor work place online ammonia levels with online sensors in complex fertiliser plant and maintain records.
- 36.The industry shall store fresh gypsum on HDPE lining at the wagon loading area.
- 37.The industry shall submit concentration levels of Ammonia monitored by industry through sensors every month.
- 38.The industry shall ensure that there are no leaks in any unit operations and unit processes.
- 39.The industry shall take proper measures to ensure the trucks with proper leak proof bodies are used for transportation of gypsum from the industry.
- 40.The industry shall maintain the following records and the same shall be made available to the inspecting officers of the Board:
 - a. Daily production details.
 - b. Quantity of Effluents generated, treated, recycled.
 - c. Log Books for pollution control systems.
 - d. Characteristics of effluents and emissions.
 - e. Hazardous/non hazardous solid waste generated and disposed.
 - f. Inspection book.
 - g. Manifest copies of effluents / hazardous waste.
- 41.The industry shall comply with the conditions stipulated in the CTE order No.65/APPCB/CFE/RO-VSP/HO/2012, dated 08.02.2020, 24.08.2022, 27.07.2022 & 22.11.2022
- 42.The industry shall update the information in OCEMS - Industry Information Data Entry Software for Compliance Reporting Protocol in PART-II (Sections F & G) Every Quarter on 1st January, 1st April, 1st July and 1st October through this software system.
- 43.The industry shall maintain valid PLI policy which includes Environmental Relief Fund (ERF) and submit copy to RO, Visakhapatnam on yearly base.
- 44.The industry shall install digital display boards at publicly visible places at the main gate indicating the products manufactured Vs permitted quantities, Treated effluent concentrations Vs discharge standards, Stack emission & AAQ concentrations Vs standards, hazardous waste generation, disposed, stock Vs permitted quantities and validity of CTO; and exhibit the CTO order at a prominent place in the factory premises, as per Hon'ble Supreme Court order.
- 45.The industry shall submit Half yearly compliance reports to all the stipulated conditions in Environmental Clearance (EC), Consent to Establishment (CTE) and Consent to Operation (CTO) through website i.e., <https://pcb.ap.gov.in> by 1st of January and 1st July of every year. The first half yearly compliance reports shall be furnished by the industry and second half yearly compliance reports shall be the

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

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

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

Special conditions:

48. The industry shall submit a copy of the NOC issued by the Andhra Pradesh State Disaster Response and Fire Service Dept., (APSDRFSD) at concerned Regional Office, APPCB.

49. The industry shall prepare a safety report and carry out an independent safety audit report of the respective industrial activities including chemical storages / isolated storages by an expert not associated with such industrial activity as required under Rule 10 of MSIHC Rules, 1989 and get it approved by the Factories Dept., and submit the compliance along with copy of the safety report, safety audit report and safety certificate at concerned Regional Office, APPCB.

50. The industry shall identify major accident hazard chemicals & list out the hazardous chemicals endangered to human health & environment, and the details shall be furnished to the Factories Department and the Regional Office, APPCB time to time duly certifying the same by the industry. Further, the industry shall extend training to the working personnel while handling hazardous chemicals for the prevention of accidents and necessary antidotes to ensure safety, as per the MSIHC Rules, 1989.

51. The industry shall carry out calibration of safety equipment and leak detection systems at regular intervals and shall certify the same with the Factories Department. That certified copy shall be submitted to the APPCB, Regional Office. The industry shall install fluorescent Wind Vane at the highest point in the industry premises.

52. The industry shall inventory the hazardous wastes and its quantities stored within the industry premises as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 (HOWM Rules, 2016) and shall furnish the details to Regional Office, APPCB on a monthly basis duly certifying the same by the industry.

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

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

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

SCHEDULE - C

[see rule 6(2)]

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

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty".
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. The industry shall enter an agreement with the Cement industries for disposal of incinerable waste or shall dispose to Alternative Fuel Raw material facility (AFRF) OR to TSDF for co-incineration.
9. The industry shall comply with the provisions of HWM Rules, 2016 in terms of interstate transport of Hazardous Waste and manifest document prescribed Under Rule 18 and 19 of the HWM Rules, 2016.
10. The industry shall not store hazardous waste for more than 90 days as per the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.
11. The industry shall store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal to the manufacturers / dealers on buyback basis.
12. The industry shall transport the hazardous waste to cement industries only through vehicle fitted with GPS tracking system.
13. The industry shall maintain 7 copy manifest system for transportation of waste

generated and a copy shall be submitted to concerned Regional Office of APPCB. The driver who transports Hazardous Waste should be well acquainted about the procedure to be followed in case of an emergency during transit. The transporter should carry a Transport Emergency (TREM) Card.

14.The industry shall maintain proper records for Hazardous and Other Wastes stated in Authorisation in Form-3 i.e., quantity of Incinerable waste, land disposal waste, recyclable waste etc., and file annual returns in Form-4 as per Rule 20 (2) of the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.

15.The industry shall route the all the hazardous wastes through M/s. APEMC.

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

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

TEAMORIGINAL

Form-No. TCL/LGF/RF-138

Labs and Consultants**Registered Office :**

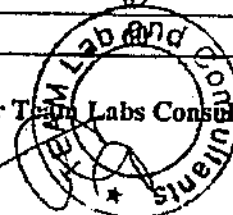
B-115, 116, 117 & 509, Annapoorna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.

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/32C/0924	DATE 01-11-2024
Description of Test	Noise Level Monitoring	
Name of the client	Coromandel International Limited, Visakhapatnam	
Location of sampling	Asper details provided	
Date of collection	OCTOBER -2024	
	LOCATION / AREA	NOISE LEVEL LIMITI (70 dB)
Night	1St Gate	50
	2nd Gate	52
	3rd Gate (Plant)	53
	4th Gate	51
	5th Gate	49
	6th Gate	52
	7th Gate	53
	8th Gate	58
	9th Gate	56
	Contractor gate	52
	LOCATION / AREA	NOISE LEVEL LIMITI (75 dB)
Day	1St Gate	66
	2nd Gate	62
	3rd Gate (Plant)	68
	4th Gate	61
	5th Gate	65
	6th Gate	67
	7th Gate	62
	8th Gate	66
	9th Gate	69
	Contractor gate	

For Team Labs Consultants



TEAM**ORIGINAL**

Form-No. TCL/L/GF/RF-138

Labs and Consultants**Registered Office :**

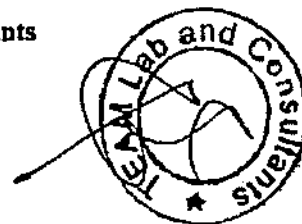
B-115, 116, 117 & 509, Annapurna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.

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/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

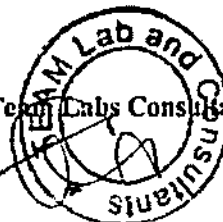
Recognised as Environmental Laboratory under Environmental (Protection) Act 1986

NABL Accredited Laboratory (Certificate No. TC-12956)

TEST REPORT

Test Report No	TLC/V/Env/CIL/32C/1224	DATE 31-12-2024
Description of Test	Noise Level Monitoring	
Name of the client	Coromandel International Limited, Visakhapatnam	
Location of sampling	As per details provided	
Date of collection	DECEMBER-2024	
	LOCATION / AREA	NOISE LEVEL LIMITI (70 dB)
Night	1St Gate	52
	2nd Gate	50
	3rd Gate (Plant)	55
	4th Gate	50
	5th Gate	48
	6th Gate	50
	7th Gate	52
	8th Gate	56
	9th Gate	55
	Contractor gate	50
	LOCATION / AREA	NOISE LEVEL LIMITI (75 dB)
Day	1St Gate	68
	2nd Gate	60
	3rd Gate (Plant)	67
	4th Gate	63
	5th Gate	67
	6th Gate	65
	7th Gate	64
	8th Gate	68
	9th Gate	67
	Contractor gate	63

For Team Labs Consultants



TEAMORIGINAL

Form-No. TCL/LGF/RF-138

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

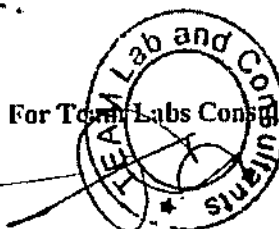
Recognised as Environmental Laboratory under Environmental (Protection) Act 1986

NABL Accredited Laboratory (Certificate No. TC-12956)

TEST REPORT

Test Report No	TLC/V/Env/CIL/32C/125	DATE 1-02-2025
Description of Test	Noise Level Monitoring	
Name of the client	Coromandel International Limited, Visakhapatnam	
Location of sampling	Asper details provided	
Date of collection	JANUARY-2025	
	LOCATION / AREA	NOISE LEVEL LIMITI (70 dB)
Night	1St Gate	51
	2nd Gate	52
	3rd Gate (Plant)	53
	4th Gate	51
	5th Gate	50
	6th Gate	52
	7th Gate	56
	8th Gate	54
	9th Gate	53
	Contractor gate	51
	LOCATION / AREA	NOISE LEVEL LIMITI (75 dB)
Day	1St Gate	69
	2nd Gate	63
	3rd Gate (Plant)	65
	4th Gate	66
	5th Gate	68
	6th Gate	67
	7th Gate	63
	8th Gate	66
	9th Gate	65
	Contractor gate	64

For Team Labs Consultants



Labs and Consultants**Registered Office :**

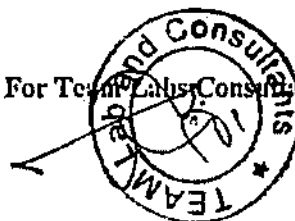
B-115, 116, 117 & 509, Annapoorna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.
Ph. : (O) 040-23748555 / 23748616, Fax : 040-23748666, Email : teamlabs@gmail.com

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NABL Accredited Laboratory (Certificate No. TC-12956)

TEST REPORT

Test Report No	TLC/V/Env/CIL/31C/0225	DATE 02-02-2025
Description of Test	Noise Level Monitoring	
Name of the client	Coromandel International Limited, Visakhapatnam	
Location of sampling	As per details provided	
Date of collection	FEBRUARY-2025	
	LOCATION / AREA	NOISE LEVEL LIMITS (70 dB)
Night	1st Gate	50
	2nd Gate	52
	3rd Gate (Plant)	53
	4th Gate	51
	5th Gate	49
	6th Gate	52
	7th Gate	50
	8th Gate	54
	9th Gate	53
	Contractor gate	52
	LOCATION / AREA	NOISE LEVEL LIMITS (75 dB)
Day	1st Gate	66
	2nd Gate	64
	3rd Gate (Plant)	69
	4th Gate	64
	5th Gate	65
	6th Gate	66
	7th Gate	63
	8th Gate	69
	9th Gate	68
	Contractor gate	65

For Team Labs Consultants



TEAM**ORIGINAL**

Form-No. TCL/UGF/RF-138

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

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NABL Accredited Laboratory (Certificate No. TC-12956)

TEST REPORT

Test Report No	TLC/V/Env/CIL/36C/0225	DATE 31-03-2025
Description of Test	Noise Level Monitoring	
Name of the client	Coromandel International Limited, Visakhapatnam	
Location of sampling	Asper details provided	
Date of collection	MARCH-2025	
	LOCATION / AREA	NOISE LEVEL LIMITI (70 dB)
Night	1St Gate	52
	2nd Gate	54
	3rd Gate (Plant)	55
	4th Gate	50
	5th Gate	52
	6th Gate	51
	7th Gate	53
	8th Gate	55
	9th Gate	51
	Contractor gate	50
	LOCATION / AREA	NOISE LEVEL LIMITI (75 dB)
Day	1St Gate	65
	2nd Gate	63
	3rd Gate (Plant)	67
	4th Gate	62
	5th Gate	64
	6th Gate	68
	7th Gate	62
	8th Gate	67
	9th Gate	66
	Contractor gate	63



MoEF Customized fertilizer plants Date: June 10, 2009

EC-NO-F.NO-J-11011/548/2008-IA II (I) Date: June 10, 2009

ANDHRA PRADESH POLLUTION CONTROL BOARD
ఆంధ్ర ప్రదేశ్ కాలుష్య నియంత్రణ మండలం

HOME ABOUT US FOR INDUSTRY FOR PUBLIC CONTACTS LOGINS

Compliance of EC/OFE/ CFO/ Directions
For submission of compliance reports by the Industries

1. Compliance Report : *	2. EC Order Number *
EC	EC-NO-F.NO-J-11011/548/2008-IA II (I)
3. EC Order Issued On *	4. EC Order Issued By *
08/10/2009	MoEF&CC, Delhi
5. Name of the Industry *	6. Address *
Coromandel International Limited	Sriharipuram, Malkapuram PO Visakhapatnam - 5301
7. District *	8. Email *
Visakhapatnam	nageswaraj@coromandel.murugappa.com
9. Phone : *	10. Status of Compliance *
8790035522	Complied
11. Upload the Compliance Report : *	
Choose File No file chosen	

ANDHRA PRADESH POLLUTION CONTROL BOARD
ఆంధ్ర ప్రదేశ్ కాలుష్య నియంత్రణ మండలం

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1. Compliance Report : *	2. EC Order Number *
EC	EC-NO-F.NO-J-11011/548/2008-IA II (I)
3. EC Order Issued On *	4. EC Order Issued By *
08/10/2009	MoEF&CC, Delhi
5. Name of the Industry *	6. Address *
Coromandel International Limited	Sriharipuram, Malkapuram PO Visakhapatnam - 5301
7. District *	8. Email *
Visakhapatnam	nageswaraj@coromandel.murugappa.com
9. Phone : *	10. Status of Compliance *
8790035522	Complied
11. Upload the Compliance Report : *	
Choose File MoEF Customized fertilizer plants.pdf	

Note :
Environmental Clearance (EC) : Project proponent shall submit Half-yearly EC Compliance report certified by accredited consultant (self-certified compliance report in case of small projects)

Submit

EHS/APPCB/2024 - 149

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 for Environmental Clearance order for Manufacture of Customized Fertilizer plant of two streams of 300 MTPD each Clearance as on 30.12.2024- Reg

Ref: 1. EC Order No - F. No. J-11011/548/2008-IA-II(I) - Date June 10, 2009

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

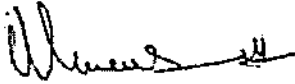
With reference to the above subject, herewith we are submitting the Six monthly condition wise compliance report as on 30.12.2024 of stipulated conditions in Environmental Clearance issued by MoEF, Newdelhi vide F.No. J-11011/548/2008-IA-II(I) dated June 10, 2009 of M/s Coromandel International Limited, Sriharipuram Visakhapatnam for Manufacture of Customized Fertilizer plant of two streams of 300 MTPD each duly Certified by M/s TEAM 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.

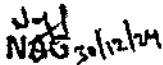
Thanking you,

Yours faithfully

For Coromandel International Limited



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


NAG 30/12/24

Enclosures: 1. EC 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.

@@@

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



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

TEAM

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

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

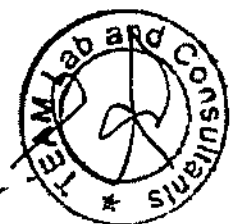
**MoEF-EC- COMPLIANCE STATUS OF Environmental Clearance (EC) issued by MoEF
for Manufacture of Customized Fertilizer plant of two streams of 300 MTPD each**

Ref: F. No. J-11011/548/2008-IA-II(I) dated June 10, 2009

For the period from June -24 to November -24

A.) SPECIFIC CONDITIONS:

S.NO.	CONDITION	COMPLIANCE STATUS
i)	The company shall comply with all the conditions mentioned in the environmental clearance issued to the existing plant vide Ministry's letter F.No.J-11011/314/2007-IA.II(I) dated 31st August, 2007 for expansion of the fertiliser plant from 2700 to 3900 TPD	Complied
ii)	The projects authorities shall ensure zero discharge from the proposed plant. The wastewater generated for the existing plant shall be treated and disposed as per the standards prescribed by the Andhra Pradesh Pollution Control Board. No utilities shall be developed for this project.	Noted & complied
iii)	The project authorities shall not manufacture the raw materials as this plant will be based on mixing process only.	Noted & complied
iv)	The project authority shall install dust collection such as cyclone system in fertilizer mixing and bagging plant to control particulate emissions.	Complied Installed cyclones in series for each circuit to eliminate dust emissions



(ENGINEERS & CONSULTANTS IN POLLUTION CONTROL)

Recognised as Environmental Laboratory under Environmental (Protection) Act 1986

NABL Accredited Laboratory (Certificate No. TC-12956)

EIA Consultancy Accredited by NABET, Quality Council of India.

TEAM

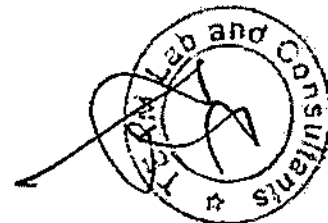
Labs and Consultants

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

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

S.NO.	CONDITION	COMPLIANCE STATUS
v)	The company shall carry out air quality monitoring at vents/stacks and regular monitor the gaseous emissions along with particulate matter. The reports shall be submitted to the Ministry's Regional Office at Bangalore, CPCB, and SPCB	Presently customized Plant is not in operation however monitoring will be carried out, and reports will be submitted once the operation resumes. The ambient air monitoring data Half yearly submitted by Industry to the concerned authorities
vi)	The gaseous emissions (SO ₂ , NO _x , NH ₃ , Urea dust) and particulate matter from various process units shall conform to the standards prescribed by the concerned authorities from time to time. Emission data shall be periodically monitored and reports submitted to Ministry's Regional Office at Bangalore, CPCB and SPCB.	Presently customized Plant is not in operation however monitoring will be carried out, and reports will be submitted by Industry once the operation resumes. The ambient air monitoring data Half yearly submitted to the concerned authorities
vii)	Data on ambient air quality, stack emissions and fugitive emissions shall be regularly uploaded on the website of the company and submitted on-line to the Ministry's Regional Office at Bangalore, Andhra Pradesh Pollution Control Board (APPCB) and Central Pollution Control Board (CPCB) as well as hard copy once in six months. Data on SPM, SO ₂ and NO _x shall also be displayed outside the premises at the appropriate place for the general public.	Complied Industry uploading the half-yearly compliance report of the company website which also includes data on ambient air quality stack monitoring etc. The reports are forwarded to the concerned regional office of the MoEF&SPCB, and CPCB on a half-yearly basis. Industry Installed a display board at factory main gate where the monitoring data are displayed for the public.



(ENGINEERS & CONSULTANTS IN POLLUTION CONTROL)

NABL Accredited Laboratory

Laboratory Recognised by Ministry Environment, Forests and Climate Change, GoI, New Delhi
EIA Consultancy Accredited by NABET, Quality Council of India.

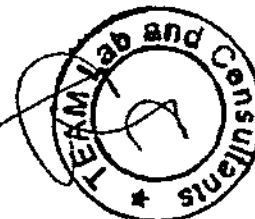
TEAM**Labs and Consultants**

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

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

S.NO.	CONDITION	COMPLIANCE STATUS
viii)	the company shall develop the green belt in 33% area, out of total area to mitigate the effect of fugitive emissions and noise as per the guidelines of CPCB	Complied Out of the 428 acres, the revised land area is 313 (after demarking from VPT) and the green belt is developed in 120 acres area which is more than 33%. The plantation photographs are attached in Annexure - 01
ix)	The company shall implement all the recommendations made in the Charter on Corporate Responsibility for Environmental Protection (CREP) for fertilizer industries for existing and proposed plant	Complied. A copy of the submitted half-yearly CSR report is enclosed in Annexure - 02
x)	Occupational health surveillance of the workers shall be carried out on a regular basis and records shall be maintained as per the Factories Act.	Complied Annual health checkups being conducted for employees and contract workmen according to the Factories act and Records are maintained by Industry
xi)	The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.	Complied The plant has full full-fledged fire fighting system and also Industry made an agreement for mutual aid with neighboring industries. Periodic mock drills are carried out to ensure preparedness

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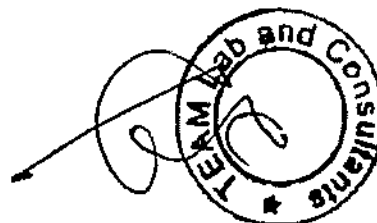
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S.NO.	CONDITION	COMPLIANCE STATUS
xii)	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Complied The necessary amenities like toilets, safe drinking water, medical treatment etc..are available inside the plant premises for all the Employees and Workmen
B) GENERAL CONDITIONS		
i)	The project authorities shall strictly adhere to the stipulations of the SPCB / State Government or any statutory body.	Noted & Complied
ii)	The gaseous emissions (SO ₂ , HCL, NO _x , NH ₃ , Fertiliser dust) and particulate matter from various process units shall conform to the standards prescribed by the concerned authorities from time to time. Emission data shall be periodically monitored and reports submitted to Ministry's Regional Office, CPCB and SPCB.	Presently customized Plant is not in operation however monitoring will be carried out, and reports will be submitted once the operation resumes. The ambient air monitoring data Half yearly submitted to the concerned authorities
iii)	All the waste waters generated from the various processes shall be recycled/reused in the plant and zero discharge shall be maintained. The domestic waste water shall be treated in septic tanks and treated waste shall be used for irrigation in the green-belt.	Complied Zero effluent discharge from customized plant and developed & implemented schemes to make minimize effluent from phosphoric acid & Sulfuric acid plants



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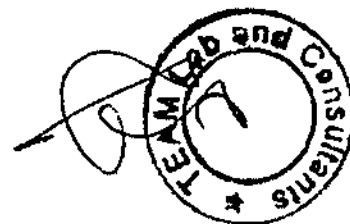
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S.NO.	CONDITION	COMPLIANCE STATUS
iv)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Noted & being Complied
v)	At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	Noted & being Complied
vi)	The locations of ambient air quality monitoring stations shall be reviewed in consultation with the State Pollution Control Board (SPCB) and additional stations shall be installed, if required, in the downwind direction as well as where maximum ground level concentrations are anticipated.	Complied Industry installed 03 numbers of online ambient air monitoring stations and appointed third party for monitoring regularly the ambient air at 05 Locations. The reports are being submitted regularly.
vii)	Dedicated scrubbers and stacks of appropriate height as per the Central Pollution Control Board guidelines shall be provided to control the emissions from various vents. The scrubber water shall be sent to ETP for further treatment.	Complied Stacks & scrubbers have been installed according to CPCB guidelines. Scrubbing liquid recycling into the process



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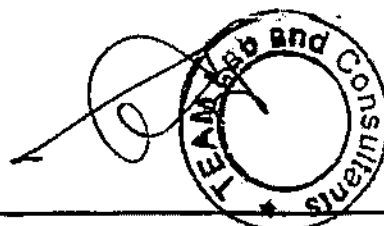
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S.NO.	CONDITION	COMPLIANCE STATUS
viii)	Fugitive emissions in the work zone environment, product, and raw materials storage area shall be regularly monitored. The emissions shall conform to the limits imposed by the State Pollution Control Boards/Central Pollution Control Board.	Complied A copy of the third-party fugitive emission periodically conducted report is enclosed in Annexure - 03
ix)	The project authorities shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals rules, 1989 as amended in the October, 1994 and January 2000 and Hazardous Waste (Management and Handling) Rules, 1989 as amended from time to time. Authorization from the SPCB shall be obtained for collection, treatment, storage and disposal of hazardous wastes.	Complied Industry complying with the MSIHC Rule 1989 as amended in 2000 and also with the Hazardous waste management rules 1988. Industry obtained CCA (Combined Consent Authorization) from APPCB is valid up to 31.08.2027 A copy of the CFO is enclosed in Annexure - 04
x)	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers,	Complied Though overall noise levels are kept within the limit always. Noise monitoring is being carried out and the noise levels are within the prescribed noise standards. A copy of the third-party noise analysis reports is enclosed in Annexure - 05
xi)	The company shall develop rainwater harvesting structures to harvest the run-off water for recharge of groundwater.	The ground water table is very high at the plant location is very near to the sea. Construction of rainwater harvesting is difficult. However, a collection pit installed for surface runoff water the collected water is recycled back to conserve the water



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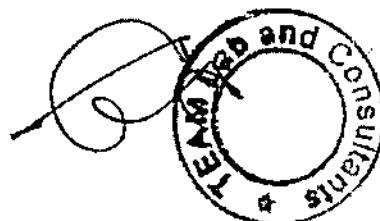
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Coromandel International Limited, Visakhapatnam

S.NO.	CONDITION	COMPLIANCE STATUS
ii)	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment. The eco-development plan should be submitted to the SPCB within three months of receipt of this letter for approval.	The details of CSR & Eco-development are given as an Enclosed in Annexure - 02
xiii)	The project proponent shall also comply with all the environmental protection measures and safeguards proposed in the EIA/EMP report.	Noted and being Complied . All the Environmental protection measures are adopted to prevent emissions
xiv)	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental management and Monitoring functions.	Complied A separate environment management cell at the corporate level headed by AVP, HSE & A separate environment cell plant level headed by Plant EHS level are in place. Industry appointed NABL & MoEFCC accredited Lab to carry out the Environmental monitoring regularly
xv)	The project authorities shall earmark adequate funds to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Complied Funds are provided through Revenue/Capital budget.



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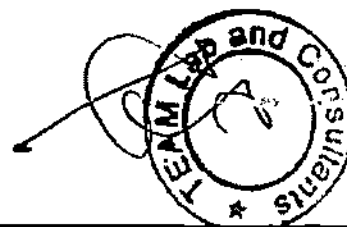
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S.NO.	CONDITION	COMPLIANCE STATUS
xvi)	The implementation of the project vis-à-vis environmental action plans shall be monitored by the concerned Regional Office of the Ministry/SPCB/CPCB. A six-monthly compliance status report shall be submitted to monitoring agencies and shall be posted on the website of the Company.	Complied Compliance reports are sent regularly and the same are uploaded to the company website. The company website link is https://www.coromandel.biz/sustainability/environment A copy of the submitted Half yearly is enclosed in Annexure - 06
xvii)	State Pollution Control Board should display a copy of the clearance letter at the Regional office, Gram Panchayat, District Industry Centre and Collector's office/Tehsildar's Office for 30 days.	Complied
xviii)	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with SPCB and may also be seen at Website of the Ministry at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Complied Advertised in prominent newspapers in the local language and also English and copies were forwarded to Regional Office, MoEF, Chennai and SPCB.
xix)	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Complied



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EHS/MoEF/2025-066

31/05/2025

To
The Director,
Regional Office (South Eastern Zone),
Ministry of Environment, Forests and Climate Change,
1st and 2nd Floor, Handloom Export Promotion Council,
34, Cathedral Garden Road,
Nungambakkam, Chennai-600034.

Dear Sir,

Sub: Half Yearly EC (Environment Clearance) Compliance Report- regd.

Ref: F. No. 11-35/2015-IA-III dated 27.06.2017

Please find the attached half yearly compliance report of Environment Clearance issued by MOEFCC for installation of proposed Sulphuric acid (2X12500 MT) and Phosphoric acid (2X10000 MT) storage tanks along with unloading facilities and pipelines at the existing fertilizer Wharf – CRZ Clearance.

Period of submission : **Oct'24 to Mar'25**
Unit : Coromandel International Limited, Visakhapatnam

Thanking You,

For Coromandel International Limited



M. Gnanasundaram
VP – Head Manufacturing


Encl : a/a

CC: The Member Secretary, Head Office-APPCB, Vijayawada
Joint Chief Environmental Engineer, APPCB, Zonal Office, Visakhapatnam
Environmental Engineer, APPCB, Regional Office, Visakhapatnam

EHS2-Vizag-Coromandel

From: Nagarjuna-P-Mgr-EHS-Vizag-Coromandel
Sent: 02 June 2025 15:11
To: 'ecompliance-ap@gov.in'; 'rovspappcb@gmail.com'; 'zovspappcb'
Cc: Nageswara Rao G-AsstMgr-EHS-Vizag-Coromandel; EHS2-Vizag-Coromandel; Subhradip Mondal-Sr.Mgr-Environment-Fertiliser-Vizag-Coromandel; Nagaraju D-AGM-EHS-Vizag-Coromandel; Vinod Kumar Mishra-Sr.GM-EHS-Vizag-Coromandel
Subject: Half Yearly EC (Environment Clearance) Compliance Report- regd.
Attachments: EC Compliance SA PA TANKS WHARF (Oct -2024 to March -2025).pdf

Dear Sir,

Ref: F. No. 11-35/2015-IA-III dated 27.06.2017

Please find the attached half yearly compliance report of Environment Clearance issued by MOEFCC for installation of proposed Sulphuric acid (2X12500 MT) and Phosphoric acid (2X10000 MT) storage tanks along with unloading facilities and pipelines at the existing fertilizer Wharf – CRZ Clearance.

Period of submission : October -2024 to March -2025.

Unit : Coromandel International Limited, Visakhapatnam

Regards,
Nagarjuna P
Manager-Environment
9100443439

SAVE ENVIRONMENT SAVE LIFE



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, Visakhapatnam

Compliance status of Environment clearance

F.No.11-35/2015-IA-III dated 27 June 2017

(For the period from Oct-2024 to March-2025)

Installation of proposed Sulphuric acid (2x12500 MT) and Phosphoric acid (2x10000 MT) storage tanks along with unloading facilities and pipelines at the existing fertilizer Wharf of Coromandel International Limited, Visakhapatnam (Andhra Pradesh) - CRZ Clearance

S.No.	Description	Compliance
PART - A — SPECIFIC CONDITIONS:		
I.	Construction Phase:	
(i)	The project proponent shall ensure that the guidelines for building and construction projects issued vide this Ministry's OM No.19-2/2013-IA.III dated 9th June, 2015, are followed to ensure sustainable environmental management.	Noted
(ii)	All conditions/recommendations stipulated by the Andhra Pradesh Coastal Zone Management Authority (APCZMA) shall strictly be complied with.	Noted and the project proponent confirms that all conditions and recommendations stipulated by the Andhra Pradesh Coastal Zone Management Authority (APCZMA) will be strictly complied.
(iii)	Provisions of Manufacture, Storage and Import of Hazardous Chemical Rules, 1989 shall be strictly implemented and compliance therefore submitted to the regional office of the Ministry and the concerned agency in the State Government.	Noted and Complied Along with the half-yearly CFO compliance report, we are submitting all the related compliances under MSIHC rules 1989.
iv)	The project proponent shall obtain all necessary clearances/ permission from the concerned authorities as applicable.	All the necessary clearances and permissions (CFE & CFO) have been obtained. Reference APPCB/VSP/65/CFE/HO/2015, Dt. 30.10.2015& CFO No: APPCB/VSP/VSP/65/HO/CFO/2020-23/12/2020 and latest CFO no: APPCB/VSP/65/CFO/HO/1967 - Dt. 04/08/2023
(v)	'Consent to Establish' shall be obtained from State Pollution Control Board under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.	Complied and the point no: iv of specific condition of this compliance report & verified.
(vi)	The construction in CRZ areas shall strictly in accordance with the provisions of CRZ Notification, 2011 and as amended from time to time. There shall be no dressing or alteration of	Noted and complied

Coromandel International Limited, Visakhapatnam

S.No.	Description	Compliance
	the sand dunes, natural features including landscape changes for beautification, recreation and other such purpose.	
(viii)	All waste (liquid and solid) arising from the proposed development will be disposed of as per the norms prescribed by State Pollution Control Board. There shall not be any disposal of untreated effluent into the sea/coastal water bodies.	No effluent generation from the storage tanks. Hence, no disposal to the sea or coastal water bodies.
(ix)	No permanent labour camp, machinery and material storage is allowed in CRZ area.	Noted and complied
(x)	The project proponent shall ensure that no untreated wastewater is discharged outside the project premises. It will be ensured that the wastewater generated is treated in STP and is reused for landscaping, flushing and HVAC cooling purposes within the development. The project proponent should also make alternate arrangement for situation arising due to malfunctioning of STP. There shall be regular monitoring of the results of standard parameters of the effluent discharged from STP under intimation to the SPCB.	No process effluent generation from the wharf area and domestic waste generation in the area is very negligible which is routed & treated into the septic tank.
(xi)	There shall no ground water drawl within CRZ without prior approval of the Central Ground Water Authority.	The project proponent confirms that we are not drawing any groundwater & we are using the water source from GVMC only.
(xii)	Temporary toilets will be provided for all construction labour. Suitable toilet fixtures for water conservation shall be provided. Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor-based control.	The project got completed and they are no temporary toilets. Regular water conservation is part of our sustainability practices.
(xiii)	The project proponent shall implement all mitigation measures recommended under the Environmental Management Plan for the project.	Complied
(xiv)	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	Noted and complied.
(xv)	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.	Soil and groundwater samples are regularly tested to ensure that there is no threat to groundwater quality from the leaching of heavy metals and other toxic contaminants. Reports are attached as annexure - 01

Coromandel International Limited, Visakhapatnam

S.No.	Description	Compliance
(xvi)	Any hazardous waste generated during construction phase, should be disposed of as per applicable rules and norms with necessary approvals of the State Pollution Control Board.	Noted and Compline
(xvii)	Ambient noise levels should conform to residential standards both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.	The noise levels for the Day & Night are being complied. Monthly submitted PCB copy along with analysis reports for the month of March -25 herewith enclosed as Annexure - 02 for your reference and the values are well within the limits as per the consent.
II	Operation Phase	
(i)	A 2% of the cost of the project shall be apportioned for environment protection and conservation measures, to be spent by the project proponent towards fulfilling its Corporate Environmental Responsibility (CER) during the currency of the project. Proper record and account of measures taken should be maintained and should also be submitted to the CZMA every six months.	Complied. Half-yearly CSR Activities and Expenditure details submission to APCZMA and MoEF Annexure - 03
(ii)	The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance. The record shall be submitted to the Regional Office, of the Ministry along with six monthly monitoring reports.	Rainwater harvesting is not feasible as the sea level is high in the area. We are taking water conservative initiative under our sustainability program. The monthly water consumption record is attached as an Annexure - 04
(iii)	The treated wastewater shall be recycled and reused to reduce the demand of fresh water as committed.	No process effluent generation from the wharf area and domestic waste generation in the area is very negligible which is routed & treated into the septic tank.
(iv)	Solid waste management shall be collected, treated disposed in accordance with the Solid Waste Management Rules, 2016.	Noted and complied.
(v)	Installation of the Sewage Treatment Plant (STP), as may be applicable, should be certified by an independent expert and a report in this regard should be submitted to the Ministry before the project is commissioned for operation. Treated effluent emanating from STP shall be recycled/reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Discharge of unused treated affluent shall conform to the norms and	As the wharf area has storage tanks etc. not much and a number of employees are very less & the domestic effluent generation is very less. Enhance domestic wastewater is routed & treated in the septic tank and STP is not envisaged.

Coromandel International Limited, Visakhapatnam

S.No.	Description	Compliance
	standards of the State Pollution Control Board. Necessary measures should be made to mitigate the odour problem from STP.	
(vi)	Diesel power generating sets proposed as source of back-up power for elevators and common area illumination during operation phase should conform to rules made under the Environment (Protection) Act, 1986 for diesel generator sets.	Noted for Compliance.
(vii)	Green belt of local species with adequate width and density shall be developed along the periphery of the plot except in areas not possible such as gates.	The combined Complex and wharf area Plant fertilizer area is having green belt of 120 acres.
(viii)	Rain water harvesting system from roof run- off and surface run- off, shall be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease. The borewell for rainwater recharging should be kept at least 5 m above the highest ground water table.	The ground water table is very high the plant location is very near to the sea. Construction of rainwater harvesting is difficult. However, we have developed a collection pit for surface runoff water at a complex plant and the collected water is recycled back to conserve the water.
(ix)	Energy conservation measures like installation of CFLs/TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible.	Noted and complied
PART — B: GENERAL CONDITIONS		
(i)	A copy of the clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The Clearance letter shall also be displayed at the Regional Office, District Industries center and Collector's Office/ Tehsildar's office for 30 days.	Complied.
(ii)	The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to this Ministry and its concerned Regional Office.	Noted and Complied Yearly expenditure reports are submitted along with Environmental statements to the concerned authorities. Annexure – 05
3	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment	Noted

Coromandel International Limited, Visakhapatnam

S.No.	Description	Compliance
	(Protection) Act, 1986.	
4	The above stipulations would be enforced among others under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991, the EIA Notification, 2006 and the CRZ Notification, 2011.	Noted
5	Officials from the Regional Office of MoEF&CC, Nagpur who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF&CC shall be forwarded to the APCCF, Regional Office of MoEF&CC, Nagpur.	Complied The full cooperation shall be extended to the officials from the Regional Office of MoEF&CC during their monitoring of the implementation of environmental safeguards. All requested documents and data shall be promptly made available to the monitoring team.
6	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.	Noted
7	The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Noted
8	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.	Noted Storage of Diesel from Chief Controller of Explosives valid up to 31/12/2029. Fire Department Fire NOC Valid Up to 14/11/2025. A copy of the PESO & Fire NOC enclosed in Annexure - 06
9	The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded CRZ Clearance and copies of clearance letters are available with the State Pollution Control Board (SPCB) and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at	Complied

Coromandel International Limited, Visakhapatnam

S.No.	Description	Compliance
	http://www.envfor.nic.in . The advertisement should be made within Seven days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the regional office of this Ministry at Nagpur.	
10	This Clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Foundation Vs Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this inject.	Noted
11	Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted
12	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad / Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	Complied
13	The proponent shall upload the status of compliance of the stipulated conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely SPM, RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at convenient location near the main gate of the company in the public domain.	Complied We are ensuring that the status of compliance with the stipulated conditions, including the results of monitored data, is uploaded on our website and updated periodically and also, we are sending reports to concerned authorities along with the all-monitoring data is stack and ambient. We also provided a display board at main gate for the public.
14	The environmental statement for each financial year ending 31' March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Office of the Ministry by e-mail.	Complied. The environmental statement for the year FY:2023-24 has been submitted on EHS/APP/2024 - 099 27.09.2024 Copy of the acknowledgment herewith is enclosed as Annexure-07.

TEAM**ORIGINAL**

Form-No. TCLL/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

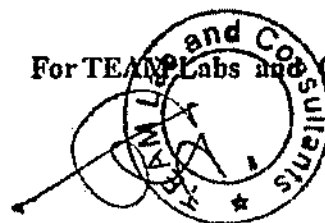
Laboratory Recognised by Ministry of Environment, Forests and Climate Change, GoI, New Delhi

NABL Accredited Laboratory

TEST REPORT

Test Report No		TLC/V/Env/CIL/21/1024		dt.01.11.2024	
Description of Test		CIL Surrounding village wells-Ground water analysis			
Name of the client		Coromandel International Limited, Visakhapatnam			
Location of sampling		Stations as per details given			
Date of Sample collection		27.10.2024			
NO	Location of well	pH	PO4 mgpl	F- mgpl	Ammonical Nitrogen mgpl
1	Kamaladevi colony-1	7.8	Nil	0.2	Nil
2	Kamaladevi colony-2	7.6	Nil	0.2	Nil
3	Yeduruvanipalem-1	7.7	Nil	0.2	Nil
4	Yeduruvanipalem-2	7.6	Nil	0.3	Nil
5	Mulagada-1	7.7	Nil	0.2	Nil
6	Mulagada No.2	7.5	Nil	0.3	Nil
	Proocol	IS:3025 Part 11-1983	APHA4500D	SM 4500 F- D	APHA4500C

For TEAM Labs and Consultants



TEAMORIGINAL

Form-No. TCLA/GF/RF-138

Labs and Consultants**Registered Office :**

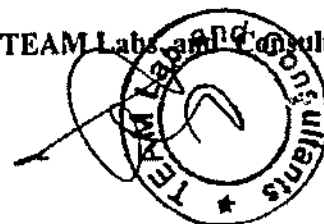
B-115, 116, 117 & 509, Annapoorna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.

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/21/1124		dt.02.12.2024	
Description of Test		CIL Surrounding village wells-Ground water analysis			
Name of the client		Coromandel International Limited, Visakhapatnam.			
Location of sampling		Stations as per details given			
Date of Sample collection		20.11.2024			
NO	Location of well	pH	PO4 mgpl	F- mgpl	Ammonical Nitrogen mgpl
1	Kamaladevi colony-1	7.7	Nil	0.3	Nil
2	Kamaladevi colony-2	7.5	Nil	0.2	Nil
3	Yeduruvanipalem-1	7.5	Nil	0.3	Nil
4	Yeduruvanipalem-2	7.6	Nil	0.3	Nil
5	Mulagada-1	7.5	Nil	0.2	Nil
6	Mulagada No.2	7.5	Nil	0.3	Nil
Proocol		IS:3025 Part 11-1983	APHA4500D	SM 4500 F- D	APHA4500C

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

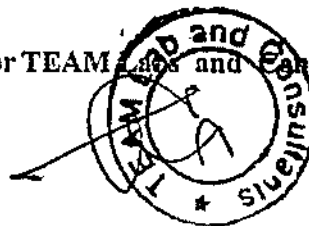
Recognised as Environmental Laboratory under Environmental (Protection) Act 1986

NABL Accredited Laboratory (Certificate No. TC-12956)

TEST REPORT

Test Report No		TLC/V/Env/CIL/22/1224		dt.31.12.2024	
Description of Test		CIL Surrounding village wells-Ground water analysis			
Name of the client		Coromandel International Limited, Visakhapatnam			
Location of sampling		Stations as per details given			
Date of Sample collection		26.12.2024			
NO	Location of well	pH	PO4 mgpl	F- mgpl	Ammonical Nitrogen mgpl
1	Kamaladevi colony-1	7.5	Nil	0.2	Nil
2	Kamaladevi colony-2	7.5	Nil	0.2	Nil
3	Yeduruvanipalem-1	7.6	Nil	0.2	Nil
4	Yeduruvanipalem-2	7.6	Nil	0.3	Nil
5	Mulagada-1	7.5	Nil	0.2	Nil
6	Mulagada No.2	7.5	Nil	0.3	Nil
Proocol		IS:3025 Part 11-1983	APHA4500D	SM 4500 F- D	APHA4500C

For TEAM Labs and Consultants



TEAM**ORIGINAL**

Form-No. TCL/LGF/RF-138

Labs and Consultants**Registered Office :**

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

Ph. : (O) 040-23748555 / 23748616, Fax : 040-23748686, Email : teamlabs@gmail.com

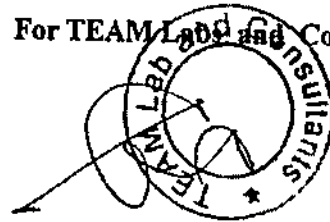
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NABL Accredited Laboratory (Certificate No. TC-12956)

TEST REPORT

Test Report No		TLC/V/Env/CIL/22/0125		dt.01.02.2025	
Description of Test		CIL Surrounding village wells-Ground water analysis			
Name of the client		Coromandel International Limited, Visakhapatnam			
Location of sampling		Stations as per details given			
Date of Sample collection		27.01.2025			
NO	Location of well	pH	PO4 mgpl	F- mgpl	Ammonical Nitrogen mgpl
1	Kamaladevi colony-1	7.6	Nil	0.2	Nil
2	Kamaladevi colony-2	7.5	Nil	0.3	Nil
3	Yeduruvanipalem-1	7.4	Nil	0.2	Nil
4	Yeduruvanipalem-2	7.5	Nil	0.3	Nil
5	Mulagada-1	7.3	Nil	0.3	Nil
6	Mulagada No.2	7.4	Nil	0.3	Nil
	Proocol	IS:3025 Part 11-1983	APHA4500D	SM 4500 F- D	APHA4500C

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 : teamiabs@gmail.com

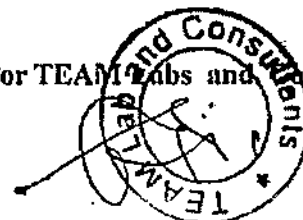
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NABL Accredited Laboratory (Certificate No. TC-12956)

TEST REPORT

Test Report No		TLC/V/Env/CIL/21/0225		dt.02.03.2025	
Description of Test		CIL Surrounding village wells-Ground water analysis			
Name of the client		Coromandel International Limited, Visakhapatnam			
Location of sampling		Stations as per details given			
Date of Sample collection		21.02.2025			
NO	Location of well	pH	PO4 mgpl	F- mgpl	Ammonical Nitrogen mgpl
1	Kamaladevi colony-1	7.5	Nil	0.3	Nil
2	Kamaladevi colony-2	7.5	Nil	0.3	Nil
3	Yeduruvanipalem-1	7.4	Nil	0.3	Nil
4	Yeduruvanipalem-2	7.3	Nil	0.3	Nil
5	Mulagada-1	7.3	Nil	0.3	Nil
6	Mulagada No.2	7.3	Nil	0.2	Nil
	Protocol	IS:3025 Part 11-1983	APHA4500D	SM 4500 F- D	APHA4500C

For TEAM Labs and Consultants



TEAMORIGINAL

Form-No. TCL/IGF/RF-138

Labs and Consultants**Registered Office :**

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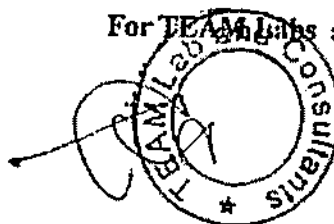
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NABL Accredited Laboratory (Certificate No. TC-12956)

TEST REPORT

Test Report No		TLC/V/Env/CIL/22/0325		dt.31.03.2025	
Description of Test		CIL Surrounding village wells-Ground water analysis			
Name of the client		Coromandel International Limited, Visakhapatnam			
Location of sampling		Stations as per details given			
Date of Sample collection		21.03.2025			
NO	Location of well	pH	PO4 Mgpl	F- mgpl	Ammonical Nitrogen mgpl
1	Kamaladevi colony-1	7.3	Nil	0.2	Nil
2	Kamaladevi colony-.2	7.5	Nil	0.3	Nil
3	Yeduruvanipalem-1	7.4	Nil	0.3	Nil
4	Yeduruvanipalem-2	7.5	Nil	0.2	Nil
5	Mulagada-1	7.3	Nil	0.3	Nil
6	Mulagada No.2	7.3	Nil	0.2	Nil
	Proocol	IS:3025 Part 11-1983	APHA4500D	SM 4500 F- D	APHA4500C

For TEAM Labs and Consultants



TEAMORIGINAL

Form-No TCLL/GF/RF-138

Labs and Consultants**Registered Office :**

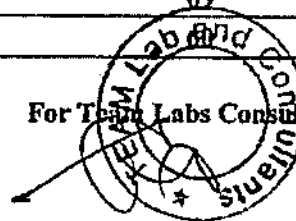
B-115, 116, 117 & 509, Annapoorna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.

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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/32C/0924	DATE 01-11-2024
Description of Test	Noise Level Monitoring	
Name of the client	Coromandel International Limited, Visakhapatnam	
Location of sampling	Asper details provided	
Date of collection	OCTOBER -2024	
	LOCATION / AREA	NOISE LEVEL LIMITI (70 dB)
Night	1St Gate	50
	2nd Gate	52
	3rd Gate (Plant)	53
	4th Gate	51
	5th Gate	49
	6th Gate	52
	7th Gate	53
	8th Gate	58
	9th Gate	56
	Contractor gate	52
	LOCATION / AREA	NOISE LEVEL LIMITI (75 dB)
Day	1St Gate	66
	2nd Gate	62
	3rd Gate (Plant)	68
	4th Gate	61
	5th Gate	65
	6th Gate	67
	7th Gate	62
	8th Gate	66
	9th Gate	69
	Contractor gate	

For Team Labs Consultants



TEAM**ORIGINAL**

Form-No. TCL/UG/RP-138

Labs and Consultants**Registered Office :**

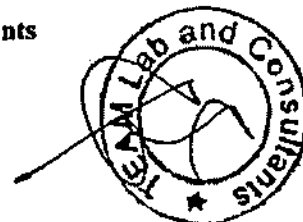
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Ph. : (O) 040-23748555 / 23748616, Fax : 040-23748666, Email : teamlabs@gmail.com

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/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

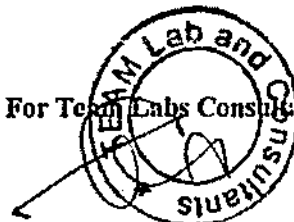
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NABL Accredited Laboratory (Certificate No. TC-12956)

TEST REPORT

Test Report No	TLC/V/Env/CIL/32C/1224	DATE 31-12-2024
Description of Test	Noise Level Monitoring	
Name of the client	Coromandel International Limited, Visakhapatnam	
Location of sampling	Asper details provided	
Date of collection	DECEMBER-2024	
	LOCATION / AREA	NOISE LEVEL LIMIT (70 dB)
Night	1St Gate	52
	2nd Gate	50
	3rd Gate (Plant)	55
	4th Gate	50
	5th Gate	48
	6th Gate	50
	7th Gate	52
	8th Gate	56
	9th Gate	55
	Contractor gate	50
	LOCATION / AREA	NOISE LEVEL LIMIT (75 dB)
Day	1St Gate	68
	2nd Gate	60
	3rd Gate (Plant)	67
	4th Gate	63
	5th Gate	67
	6th Gate	65
	7th Gate	64
	8th Gate	68
	9th Gate	67
	Contractor gate	63

For Team Labs Consultants



TEAM**ORIGINAL**

Form-No. TCL/LGF/RF-138

Labs and Consultants**Registered Office :**

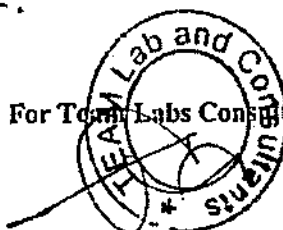
B-115, 116, 117 & 509, Annapoorna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.

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

Recognised as Environmental Laboratory under Environmental (Protection) Act 1986
NABL Accredited Laboratory (Certificate No. TC-12956)**TEST REPORT**

Test Report No	TLC/V/Env/CIL/32C/125	DATE 1-02-2025
Description of Test	Noise Level Monitoring	
Name of the client	Coromandel International Limited, Visakhapatnam	
Location of sampling	As per details provided	
Date of collection	JANUVARY-2025	
	LOCATION / AREA	NOISE LEVEL LIMITI (70 dB)
Night	1St Gate	51
	2nd Gate	52
	3rd Gate (Plant)	53
	4th Gate	51
	5th Gate	50
	6th Gate	52
	7th Gate	56
	8th Gate	54
	9th Gate	53
	Contractor gate	51
	LOCATION / AREA	NOISE LEVEL LIMITI (75 dB)
Day	1St Gate	69
	2nd Gate	63
	3rd Gate (Plant)	65
	4th Gate	66
	5th Gate	68
	6th Gate	67
	7th Gate	63
	8th Gate	66
	9th Gate	65
	Contractor gate	64

For Team Labs Consultants



Labs and Consultants**Registered Office :**

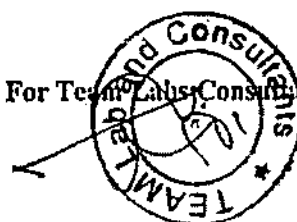
B-115, 116, 117 & 509, Annapoorna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.
Ph. : (O) 040-23748555 / 23748616, Fax : 040-23748666, Email : teamlabs@gmail.com

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NABL Accredited Laboratory (Certificate No. TC-12956)

TEST REPORT

Test Report No	TLC/V/Env/CIL/31C/0225	DATE 02-02-2025
Description of Test	Noise Level Monitoring	
Name of the client	Coromandel International Limited, Visakhapatnam	
Location of sampling	As per details provided	
Date of collection	FEBRUARY-2025	
	LOCATION / AREA	NOISE LEVEL LIMITS (70 dB)
Night	1st Gate	50
	2nd Gate	52
	3rd Gate (Plant)	53
	4th Gate	51
	5th Gate	49
	6th Gate	52
	7th Gate	50
	8th Gate	54
	9th Gate	53
	Contractor gate	52
	LOCATION / AREA	NOISE LEVEL LIMITS (75 dB)
Day	1st Gate	66
	2nd Gate	64
	3rd Gate (Plant)	69
	4th Gate	64
	5th Gate	65
	6th Gate	66
	7th Gate	63
	8th Gate	69
	9th Gate	68
	Contractor gate	65

For Team Labs Consultants



TEAM**ORIGINAL**

Form-No. TCL/UGF/RF-138

Labs and Consultants**Registered Office :**

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

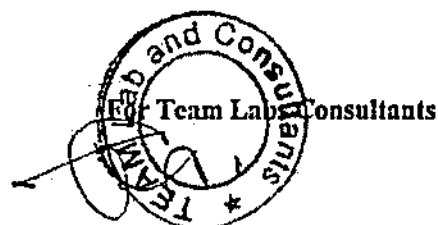
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Recognised as Environmental Laboratory under Environmental (Protection) Act 1986

NABL Accredited Laboratory (Certificate No. TC-12956)

TEST REPORT

Test Report No	TLC/V/Env/CIL/36C/0225	DATE 31-03-2025
Description of Test	Noise Level Monitoring	
Name of the client	Coromandel International Limited, Visakhapatnam	
Location of sampling	Asper details provided	
Date of collection	MARCH-2025	
	LOCATION / AREA	NOISE LEVEL LIMITI (70 dB)
Night	1St Gate	52
	2nd Gate	54
	3rd Gate (Plant)	55
	4th Gate	50
	5th Gate	52
	6th Gate	51
	7th Gate	53
	8th Gate	55
	9th Gate	51
	Contractor gate	50
	LOCATION / AREA	NOISE LEVEL LIMITI (75 dB)
Day	1St Gate	65
	2nd Gate	63
	3rd Gate (Plant)	67
	4th Gate	62
	5th Gate	64
	6th Gate	68
	7th Gate	62
	8th Gate	67
	9th Gate	66
	Contractor gate	63



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/2025 - 54

30-04-2025

To

The Member Secretary,
APPCB Head Office,
Dr. YSR Paryavaran Bhavan,
APIIC Colony Road,
Gurunanak Colony, Autonagar,
Vijayawada- 520010

SUB: Submission of the CER/CSR Report for the period of October 2025 to March 2025

Ref: EC number F. No. 11-35/2015-IA-III, Dated 27 June 2017

Dear Sir,

This has reference to above mentioned subject, we are submitting the detailed report of CSR/CER activities carried out by Coromandel International Limited, Vizag during the period from October 2025 to March 2025.

We recognize the importance of sustainable business practices and are committed to making a positive impact on society and the environment.

The above submission is in line with EC compliance & Record please.

Thanking you,

Yours faithfully,

For Coromandel International Limited


Gnanasundaram M
Vice President & Head Mfg.


NAG/DNR

Enclosure: CSR/CER Report
Copy: RO, APPCB, Visakhapatnam

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@coromandelmurugappa.com


murugappa

Ant:55.46, Tax:8.46, Amt.Paid:55.00(Cash)
<Track on www.indiapost.gov.in>
INR 55.00/191N INR 55.00/191N
Counter No:1.02/05/2025.11:53
To:THE MEMBER SEC. APPCB HEAD OFFICE
From:COROMANDEL INTERNATIONAL LIMITED
Wt:102gms, REG=17.0
Ant:55.46, Tax:8.46, Amt.Paid:55.00(Cash)
<Track on www.indiapost.gov.in>



EHS/APPCB/2025 - 54

30-04-2025

To

The Member Secretary,
APPCB Head Office,
Dr. YSR Paryavaran Bhavan,
APIIC Colony Road,
Gurunanak Colony, Autonagar,
Vijayawada- 520010

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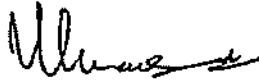
We recognize the importance of sustainable business practices and are committed to making a positive impact on society and the environment.

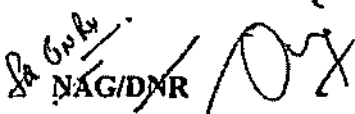
The above submission is in line with EC compliance & Record please.

Thanking you,

Yours faithfully,

For Coromandel International Limited

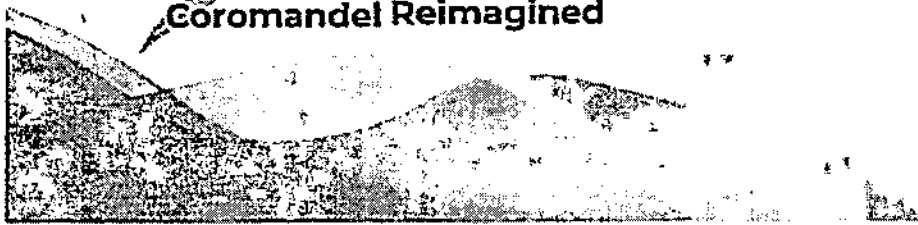

Gnanasundaram M
Vice President & Head Mfg.


NAG/DNR
Enclosure: CSR/CER Report
Copy: RO, APPCB, Visakhapatnam

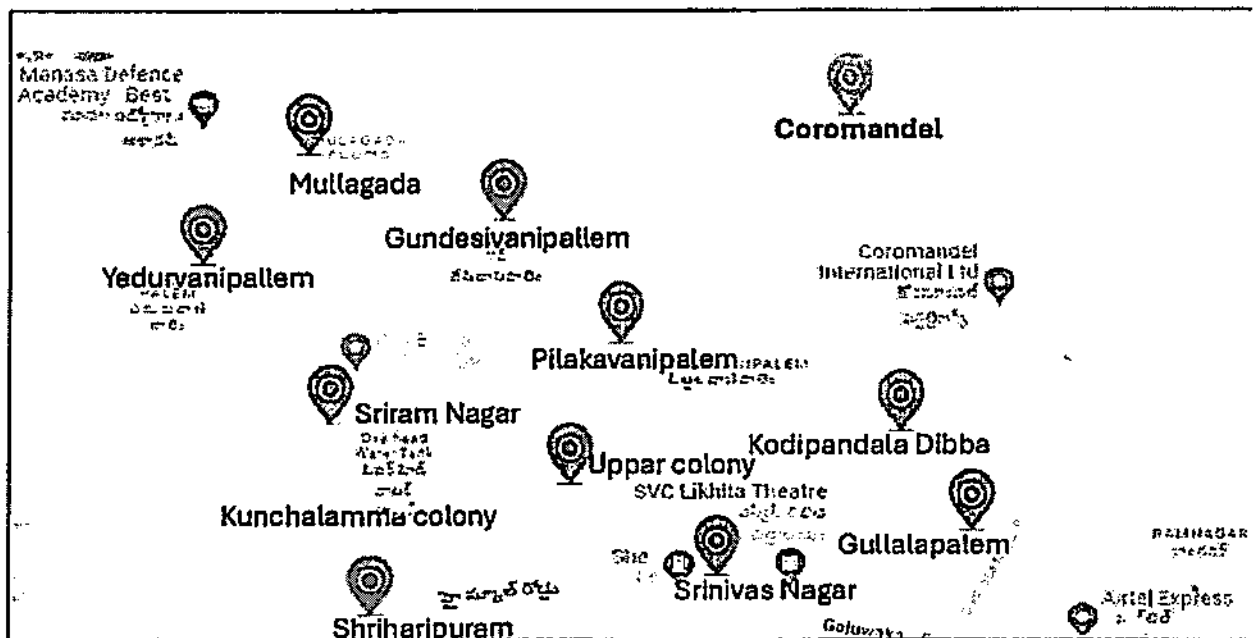


Corporate Social Responsibility (CSR) 2024-25 Vizag

Coromandel Reimagined

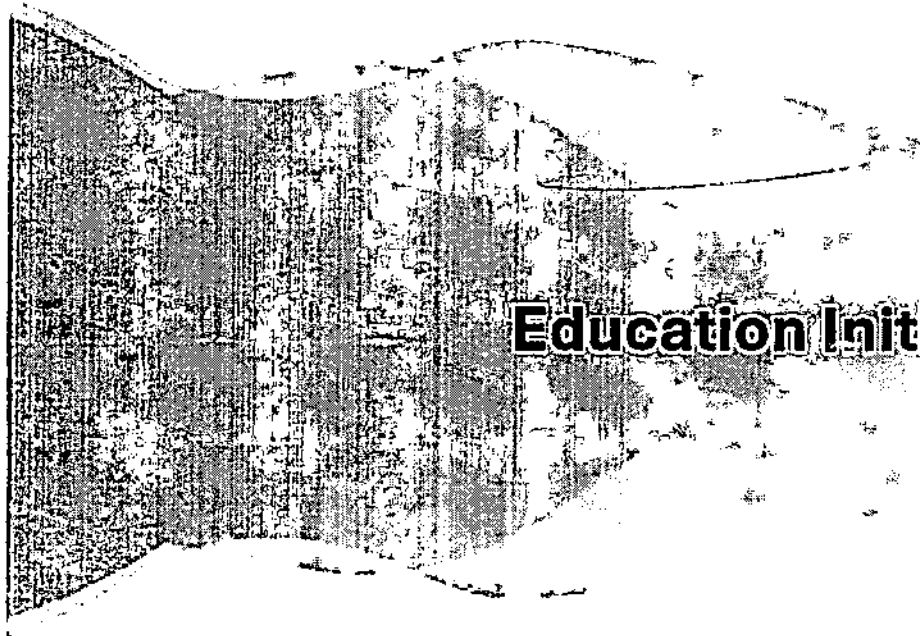


Coromandel's - CSR Beneficiary Zones



Total Number of Villages benefitting - 18

Total Number of Schools benefitting - 9



Education Initiatives

CSR Initiatives - Education

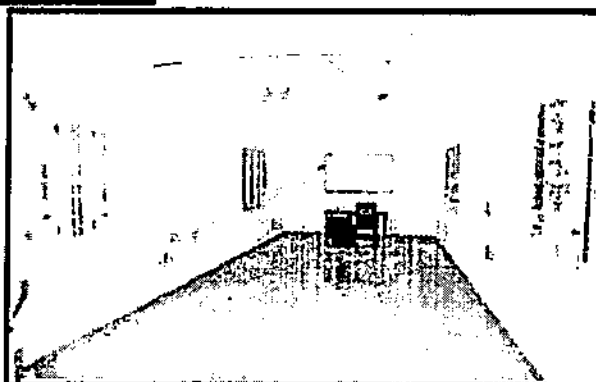
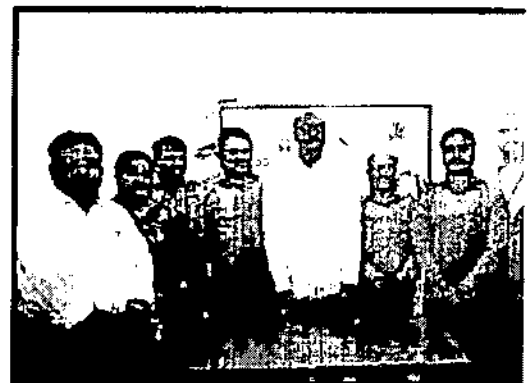
- ❖ School Infrastructure – Classrooms construction, Washrooms, etc.,
- ❖ Coromandel Girlchild scholarship
- ❖ Chemistry its Fundamental – Establishing Science Labs, Science Fairs, etc.,
- ❖ School Libraries at ZP high Schools in Mindi & Gajuwaka.
- ❖ Life Skills for Children.
- ❖ Education Improvement Programs.
- ❖ School Libraries at Govt High schools Gajuwaka and Mindi.

Additional classrooms Inaugurated By MLA Garu

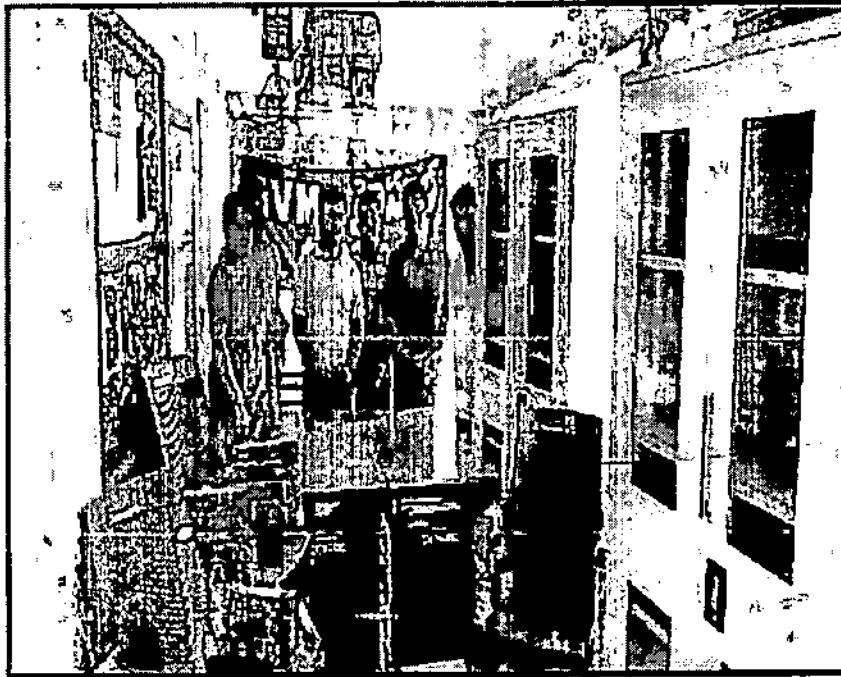
- ❖ Two additional classrooms were constructed was developed by Coromandel at GVMC High school @Sriharipuram.
- ❖ On 15th October 2024 on the Dr. Kalam's Birth Anniversary, Shri P.G.V.R Naidu (Gana Babu) – MLA – Visakha West Constituency has inaugurated the additional classrooms in GVMC High School, Sriharipuram.
- ❖ Shri P.G.V.R Naidu (Gana Babu) – MLA – Visakha West Constituency in his address has appreciated Coromandel team for the commitment towards enhancing educational infrastructure and providing better learning environment for students in the area.
- ❖ Project cost Rs. 28 Lakhs
678 students have been benefited out of this project.



Additional classrooms Inaugurated By MLA Garu



School Infra Supporting



**Provided Tables, Chairs & Almirahs to Government School
(4 High schools & 5 Primary schools and Anganwadi centers) -2024-2025**

Girlchild Scholarship Program



**Coromandel Girl child scholarship program
on 27th April 2024 was presided by
Executive Chairman, Coromandel**

- Organize Coromandel Girlchild Scholarship Program since 2015
- Every year we reached out to 100 children in Govt. Schools and provide support of 8 Lakhs per year



We Organized Mega science Fair 18th March 2025 at CRC total 28 schools & 500 children participated

Science lab Inaugurated By Visakha West Constituency

- ❖ Shri P.G.V.R Naidu (Gana Babu) – MLA – Visakha West Constituency has inaugurated along with Mr. Ravindra Babu – Deputy Educational Officer, Mr.Trinadha & Mr. Venkataramana – Mandal Educational Officers has inaugurated the Science Lab at GVMC High School, Sriharipuram on 15th Oct 2024
- ❖ In memory of Dr. A.P.J. Abdul Kalam's birthday, his books were distributed to the school children which not only honors his legacy but also promotes learning and intellectual growth among students, reflecting his belief in the power of knowledge to transform lives
- ❖ Project cost Rs.8 Lakhs



Benefitted 678 school children (6th Class to 10th Class)

Science lab Inaugurated By Visakha West Constituency



Science lab Inaugurated By TDP State President

- Shri Palla Srinivasa Rao – TDP State President & MLA Gajuwaka Constituency along with Mrs. L Chandrakala – District Educational Officer, Mr. P Srinivasa Rao – 65th Ward Corporator has inaugurated the Science Lab at ZP High School on 26th Sep 2024
- Mr. Gnanasundaram – VP & unit head along with Mr. JayaGopal Chatur- Head CSR & Mr. Srinivasa Rao – DGM – HR participated
- Shri Palla Srinivasa Rao in his address has thanked the Coromandel management for recognizing the need of the students and appreciated Vizag Unit for its passion towards executing projects in the field of Education and Community development

Benefitted 1600 school children

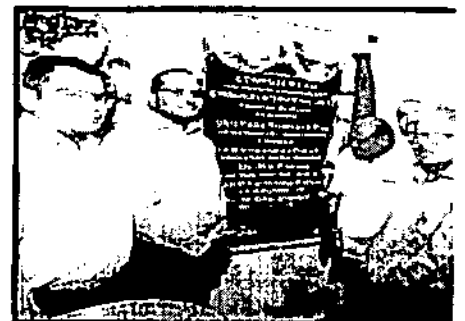


Science lab Inaugurated By TDP State President



Computer Lab Inaugurated By District Collector

- On 26th Sept 2024, inaugurated Computer lab as part of CSR Project towards enhancing education and digital literacy of the nearby Community students.
- Shri M. N. Harendhira Prasad, IAS – Collector & District Magistrate – Visakhapatnam in presence of Shri R. V Ramana – Regional Deputy Director - Zone 1 – Visakhapatnam, Shri B. Narasimha Patrudu – 65th Ward Corporator – GVMC & Mr. Srinivasa Rao-Principal, ITI-Gajuwaka has inaugurated the Computer Lab at Pedagantyada, Gajuwaka Govt Model ITI. Vice President & Unit Head, Head CSR and DGM HR
- 80 Nos of Blankets distributed to ITI Hostel Students our District Collector.
- Project cost Rs. 34 Lakhs
- 900 ITI Students benefited from this project

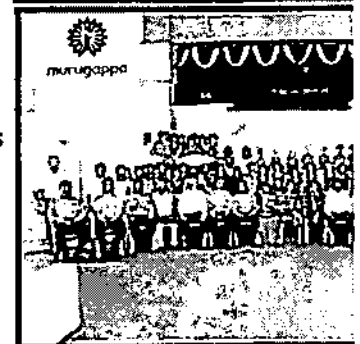


Computer Lab Inaugurated By District Collector

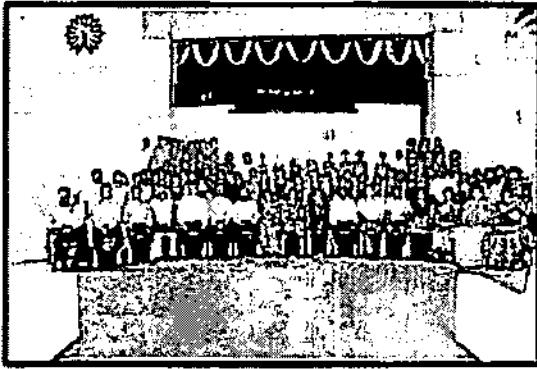


International Girl child Program at CRC

- On 15th October 2024, on the occasion of International Girl Child Day, in line with the theme "Girls Vision for the future" Coromandel Ladies Association (CLA) has met and greeted all our Girl Child Scholarship students from nearby Govt Schools.
- CLA Members have organised a Quiz Competition on the eve of Dr. Abdul Kalam Birthday. All the students were issued with a Dr. APJ. Abdul Kalam's book.
- Dr. Srilekha – Revenue Divisional Officer(RDO) – Visakhapatnam along with Mr. Bhujanga Rao – Mandal Revenue Officer(MRO) – Mulagada, Mr. Gnanasundaram – VP & Head Mfg., Mr. Jayagopal – Corporate CSR Head and Mr. Srinivasa Rao – DGM – HR participated in the event.
- Towards preparation for National Level Skating competitions, Rs.1.5 Lakhs Cheque was awarded to the Sports Academy of Ms. P Chaithra Deepika, the young Skirting girl of AP, who won many prizes from various competitions.
- Children and Teachers felt very happy and thanked Coromandel Management for the continuous efforts in supporting Government School Girl Children.



International Girl child Program at CRC



Life Skills - Happy Exams

- Happy Exams is a program through which Coromandel is aiming at providing guidance to the 10th students excel in the upcoming 10th class public examinations
- Emphasis on 5 Govt High Schools
- The stakeholders provided excellent feedback about the program and thanked Coromandel for its initiative in developing the children
- Boosted confidence among children and enhanced their self esteem and to think positively about the exam---



Teachers' day celebrations

- Encourage teachers by organizing a mega teachers day program at Coromandel.
- Every year more than 100 teachers took part in the event.
- Felicitated teachers on this occasion.
- Involve District officials and School Head Masters in recognizing the efforts of best teacher
- MEO, teachers and the MRO were very pleased to attend the event and expressed their appreciation to Coromandel Management.
- Our COO sir Participated in this event blessed to school teachers on 5th Sep 2024 at CRC



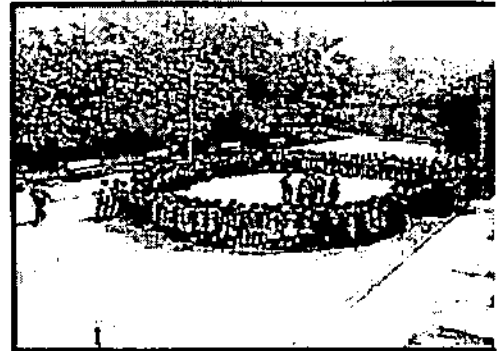
KARADIPATH Teachers Refresher Training

- We Organised Teachers refresher training on 26th June 2024,
- this training aims of empowering educators to use innovative techniques to reinforce language learning in the classrooms.
- Particularly focusing on helping students learn English in an easy enjoyable and effective manner.
- Participated Mandal two MEOs (Mandal educational officers) 9 Govt school teachers

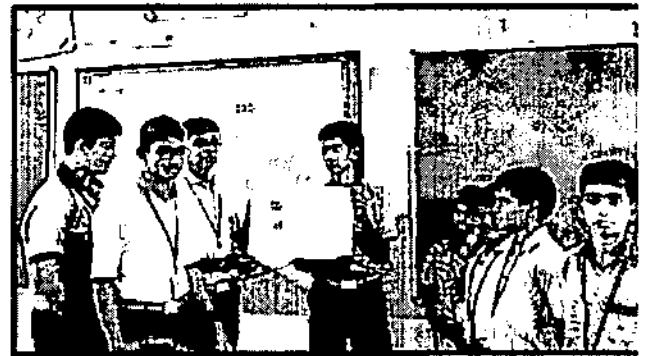
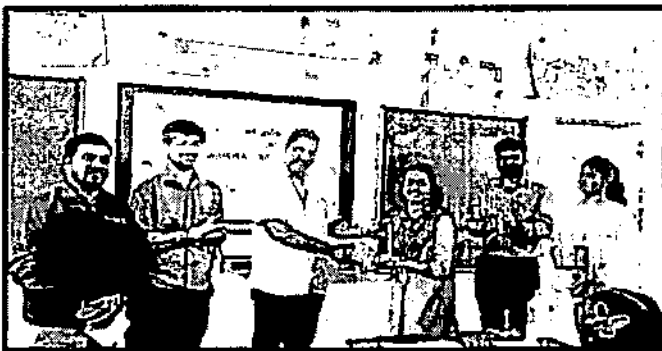


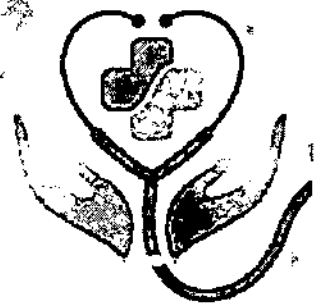
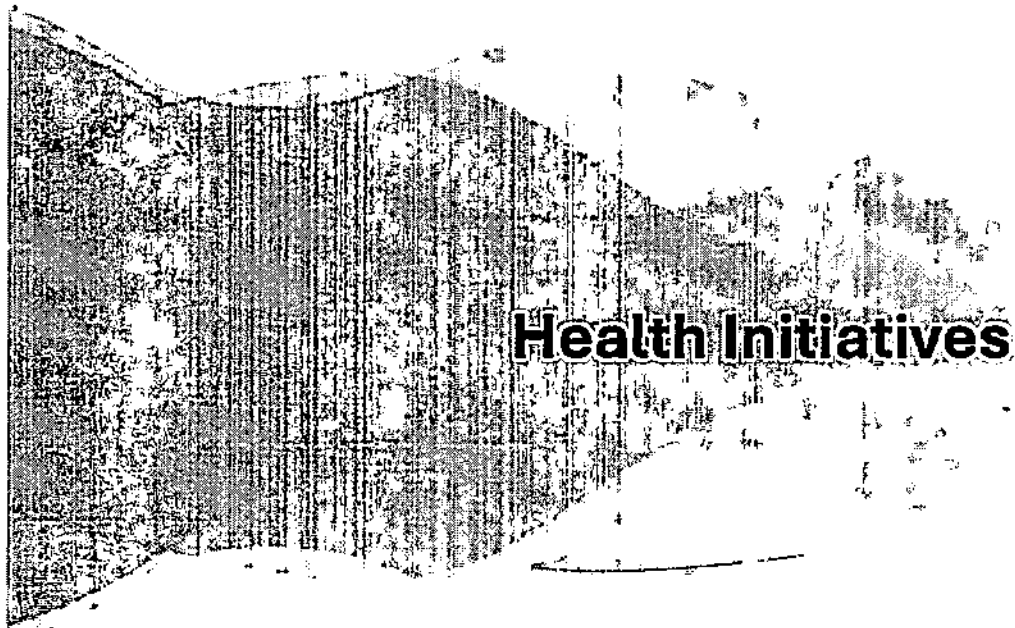
Fire Safety awareness to school children

- We Organized Fire safety & Prevention training for Children at ZP High school Mindi.
- Successfully conducted a fire fighting and prevent training session for school children. The training aimed to raise awareness about fire safety and Prevention among young minds. The program essence was to instil in the children a strong understanding of fire safety, empowering them to recognize potential hazards, take preventive measures and react calmly and effectively in case of a fire emergency and participated EHS dept.
- School children and Teachers felt very happy with this type of awareness.



Awareness Session on 5S @ Govt High schools





CSR Initiatives - Health

- Coromandel Medical centre (CMC)
- Health & Nutrition program
- Mega Medical Camps-schools/community
- Integrated behaviour change communication
- Women & Children Medical Camp
- Intervention on Seasonal Diseases - Anti-Larval & Fogging

CMC OP 2024-2025		
1	Apr-24	2394
2	May-24	2551
3	Jun-24	2568
4	Jul-24	3351
5	Aug-24	3331
6	Sep-24	3442
7	Oct-24	3158
8	Nov-24	3024
9	Dec-24	2857
10	Jan-25	2833
11	Feb-25	3397
12	Mar-25	3585
	Total	36491

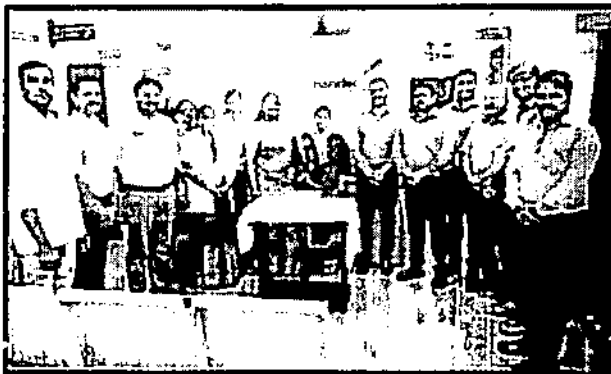


Dental screening service inauguration @CMC

- Dental Screening Services at our CMC was inaugurated by our President & CHRO, Shri Arun Leslie George. Mr. Gnanasundaram, Vice President & Head - Mfg; Mr. GSV Raja, AVP & Head of HR; the Unit HR Head; and the Senior Leadership Team participated along with local community at CMC.
- During the event, they provided a comprehensive briefing on the CMC services, engaged with community members, and distributed tailoring kits to women to support and enhance their livelihoods. Additionally, we presented furniture to the community halls to benefit local residents. The community members were deeply moved by these contributions, and the CHRO expressed his appreciation for the CSR initiatives led by the Vizag Unit
- Initiative on 22nd Aug 2024



CMC Anniversary Celebration - 2024



We celebrated the 9th Anniversary of our Coromandel Medical Centre. The event was attended by VP & Unit Head Gnanasundaram, Head HR SrinivasaRao, GM Finance Mahesh, EHS Head Nagaraju and Dr Uday.

Women & children Medical camp



- Conducted women & Children medical camp at Pilakavanipalem & Gullalapalem villages
- Total two villages' services utilized and benefitted 567





Low-Cost Nutrition food competition Pregnant & Lactating women on 8th Mar



Nutrition Kits Distributed to Pregnant & Lactating women on 25th March

Health & Nutrition

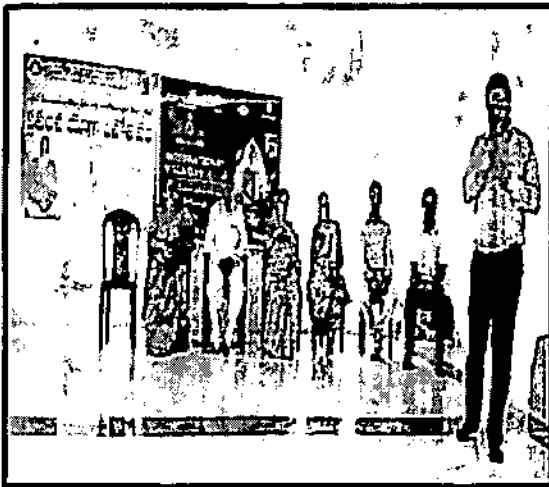


World Breastfeeding week-Aug-2024

Integrated Behavior Change Communication (IBCC)

- Conducted Baseline study & Mid-line, End line
- studies to monitor the effectiveness of the IBCC program
- Two community Health Workers were continuously in the field visiting 11 villages households.



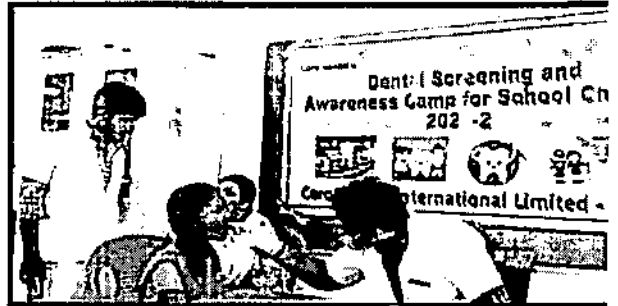


International Yoga Day Celebrations 21st June 2024

Door to door-Anti Larval & Fogging operations

- Anti-larvae treatment done in 11 villages and emphasized on identifying larvae locations in the communities.
- Health worker along with Anti-larva team (Pest control of India) visited door to door and done anti-larva operations leading to the reduction or permanent elimination of mosquito breeding places
- Identified places where Larvae are developed
- Insisted not to forget that the monsoon is the breeding season for mosquitoes and many other disease
- Suggested to take necessary steps to control diseases like dengue, chikungunya and malaria in view of the monsoon season.





Eye & Dental screening camp to 9 Govt school children totally 2880 benefitted
(2024-2025)

Community Development Initiatives



CSR Initiatives - Community development

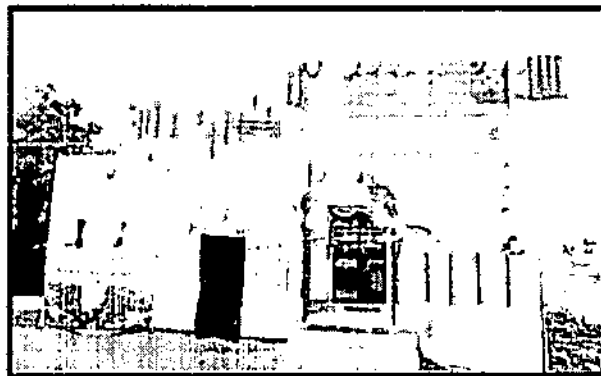
- Community infra
- Women livelihood & skill development
- Inter village sports for youth
- Community bore wells
- skill development training for youth
- world environment day celebrations
- Eco Vizag cloth bags encouraging
- Renovation of Fire station
- File Optimizer inauguration
- Supported Safety barricades to Police dept

Community hall Inaugurated by Shri Gana Babu Garu, MLA

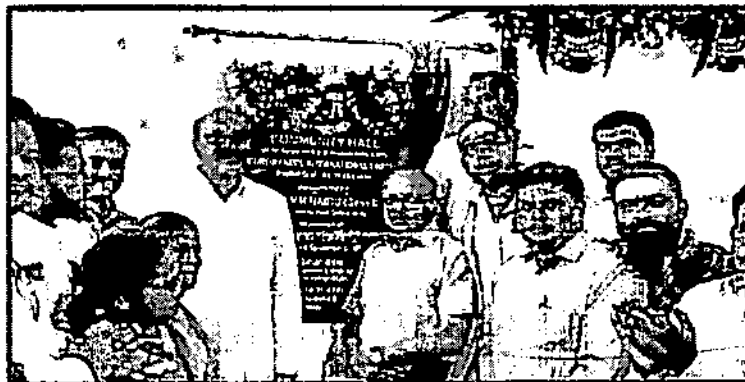
- On 16th Oct 2024, Coromandel Vizag has inaugurated the Community hall at Yeduruvanipalem as part of CSR Project.
- Shri P.G.V.R Naidu (Gana Babu) – MLA – Visakha West Constituency has inaugurated the Community hall. The objective of this multipurpose community hall is to serve local community members to conduct various programmes, which will benefit the community.
- Shri P.G.V.R Naidu (Gana Babu) – MLA – Visakha West Constituency appreciated Coromandel's CSR initiatives in the areas of education/Health/ community development Projects.
- Project cost Rs. 25 Lakhs

400 families will be benefiting out of this project.



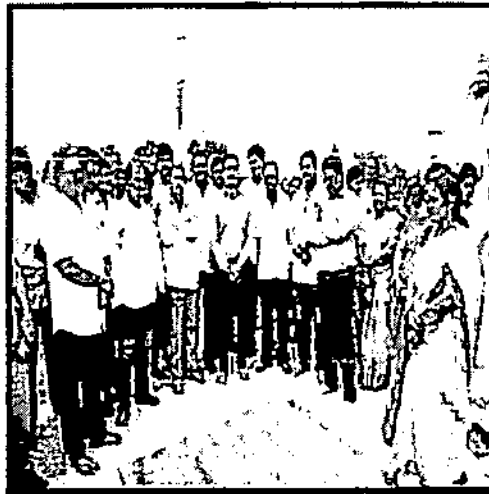


Community Hall Inaugurated by MLA Garu @ Kunchalamma Colony



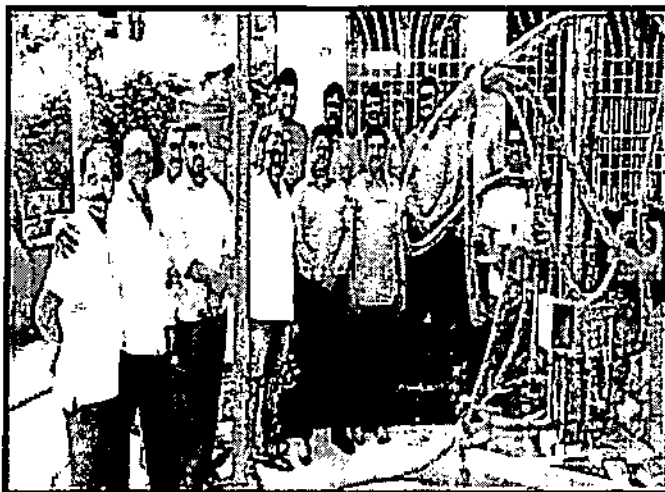
- On 10th Nov 2024, Coromandel Vizag has inaugurated the Community hall at Kunchalamma colony as part of C&S Project.
- Shri P.G.V.R Naidu (Gana Babu) – MLA – Visakha West Constituency has inaugurated the Community hall. The objective of this multipurpose community hall is to serve local community members to conduct various programmes, which benefit the community.
- Our Organization Blankets handed over to Physical challenges peoples and poor peoples. Community people very happy
- Benefitted 150 Families

3 Community Halls Bhoomi pooja



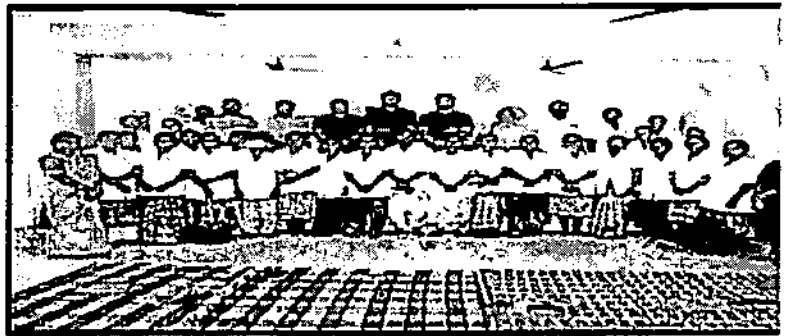
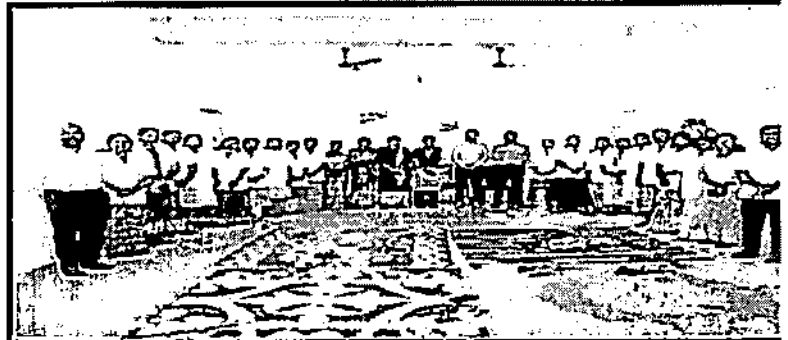
Mulagada/Pilakavanipalem/Gullalapalem

4 Community Borewells installed

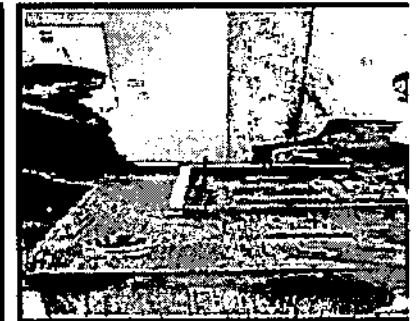


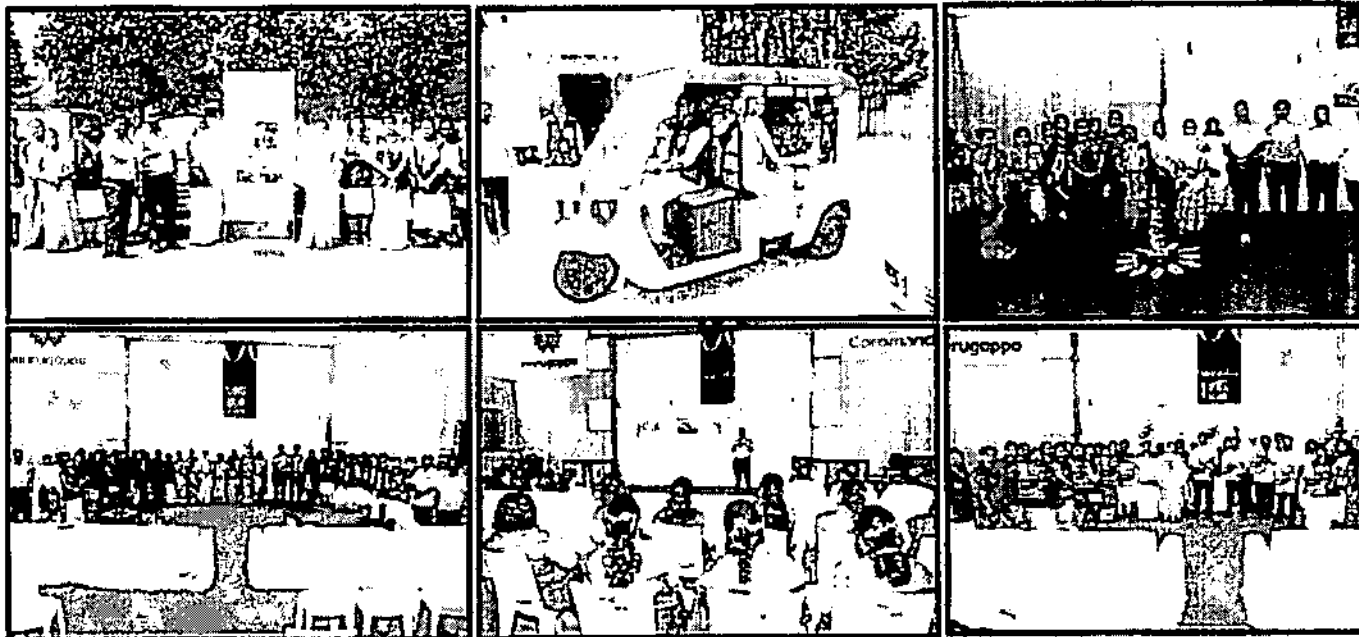
Livelihood & Entrepreneurship development program for community women

- Partnered with Ikka Learning Foundation, launched Beautician/Jute bag/Maggam and Jewellery making training program for women in 4 locations
- This initiative aims to build technical skills and empower women with the tools to achieve economic self-reliance. The program is being kickstarted in 4 locations with training for 120 women in Beautician course.



Livelihood & Entrepreneurship development program for community women





Driving training for women inauguration on 15th Feb 2025

Women Livelihood stalls

- MD sir Visited & Observed the Community women stall like jute bags/jewellery making/Margam design and Beauty parlour, and MD sir appreciated women livelihood project.
- Every function we planned jute bag stall selling the making materials every time selling 3000 above money



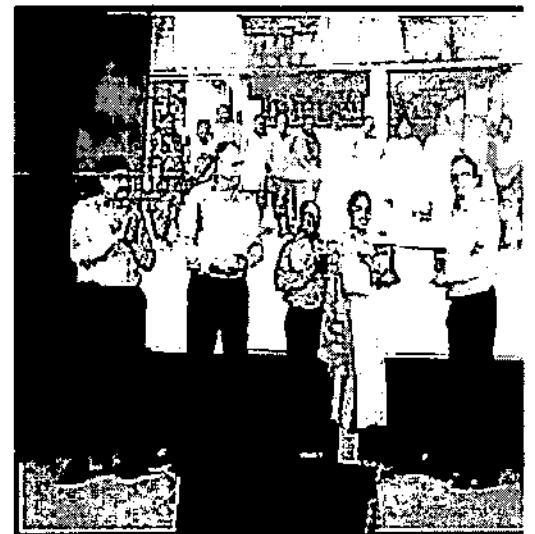
Jute bag unit Establishment

- We are Happy to announce that today Ms. Usharani at yeduruvanipalem has established the Usha Handmade jute bag Product unit. the opening ceremony was graced by Mr. Nagaraju EHS Head and Ms Vineela HR department.
- The event was attended by community women and village leaders.
- Initiative On 25th Jan 2025



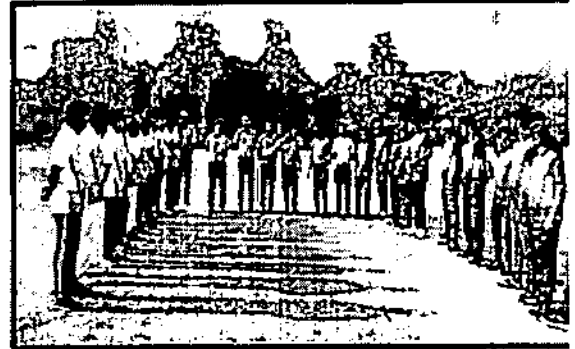
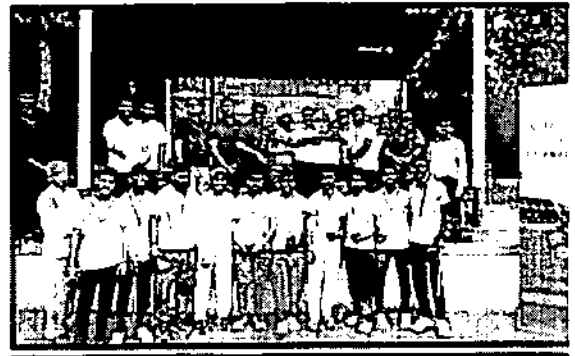
Life Skills Development Computer Training for youth

- Impart training to 23 local youth by involving and enhancing them with computer skills.
- MS Office, Telugu Typing, Windows Operating Systems ,Python, PGDC and Internet tools are few of the courses that students are offered training by the Computer Institute supported by Coromandel



Coromandel Inter-village Cricket Tournament 2024-

- Coromandel encouraging youth and conducted Sports and games every year to create a healthy youngsters.
- Organized Inter-village cricket tournament at Coromandel Cricket Ground
- 18 Teams participated in this event.
- Winners are Pilakavanipalem and Runners are Gondesivanipalem

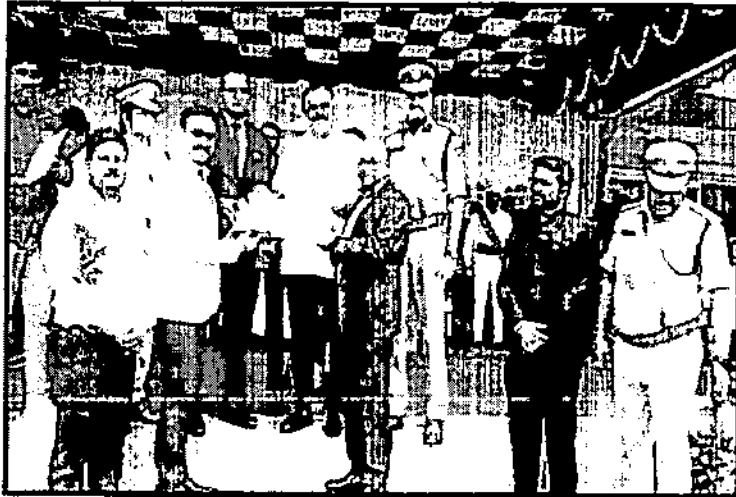


World Environment day

- Every year we are organizing World Environment day celebrations and distributing cloth bag to the community members.
- MAK Hospital Mulagada premises tree plantation carried out on 5th June 2024, and we organ drawing competition to community children



78th Independence Day- District Collector Award to Coromandel



- In recognition of the generous contribution through Corporate Social responsibility Scheme to the Vizag District Administration undertaking various welfare & Development activities in the District, Coromandel International limited-Vizag was bestowed Award during the Independence day ceremony @ Vizag Police parade ground on 15 August.
- The award was received by M. Gnana Srinivasa Rao, GM-HR from the District Collector and Revenue Minister of Andhra Pradesh.

Wheelchairs Support



- Supported 100 wheelchairs for the differently abled people to participate in the elections, Visakhapatnam.
- Mr. Amir Alvi, President of Manufacturing, Coromandel International Limited, presented the wheelchairs to Mrs. R. Assistant Director of In-charge and Ms. Sunita, I Promotion Officer on 2024.

CSR Award received from Governor AP state

- The award has been received by VP & Unit Head Manufacturing M Gnana Sundaram, Head CSR Jayagopal and Srinivasarao DGM-HR



Eco Vizag cloth bags launched by GVMC Commiss

- Coromandel's social responsibility initiatives are inspiring," said GVMC Commissioner Sampath Kumar. "
- The use of cloth bags for saving the environment is very important, avoiding Plastic Bags.
- 30,000 bags under the 'Swach Sarveshan 2024 ECO Vizag' was handed over by Coroman





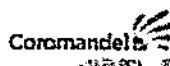
Employee Volunteering Cloth bags distributed to Rythu bazar



Total 1000 bags distributed

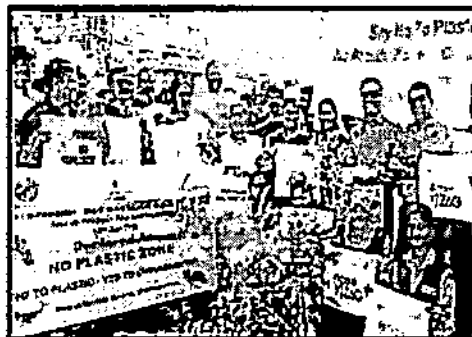
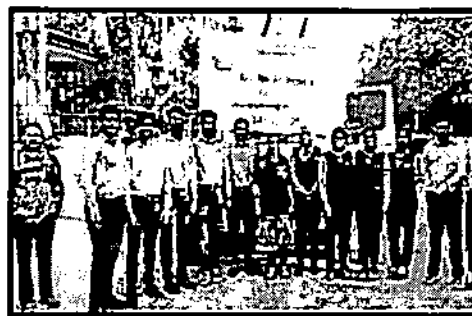


Total women employees partici



No Plastic Awareness Program

- No plastic zone awareness programme at Blue flag beach Rushi Konda and conducted by GVMC and APPCB
- Participated
 - Fishery survey of India
 - District tourism
 - Pollution control board
 - GVMC
 - Divis lab
 - NGOs
 - Coromandel international limited
- Our employees participated : 20
- Initiative on 18th Jan 2025
- 300 cloth bags distributed to local peoples



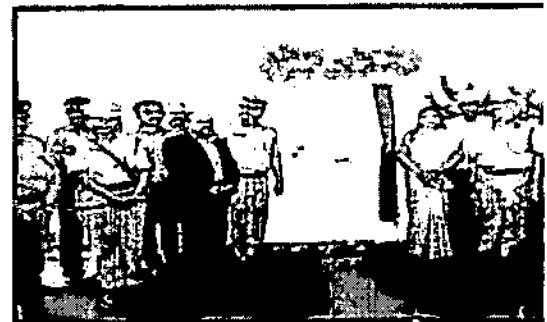
Fire Mist water shed inauguration

- Fire Mist Water Shed Inauguration at Pedagantayada*
- The Mist Water Tender Shed, and other civil projects inaugurated by Pedagantayada Fire Station.
- District Fire Officer Sri RENUKAIAH, ADFO Mr. Gopi Krishna and station officials from Visakhapatnam, along with Coromandel officials, including EHS Head Mr. Nagaraju, Sr. Manager HR Mr Srikanth CSR Manager, Sr Manager Safety Mr. Lokesh, Fire Manager Mr. Santhosh along with me
- DFO appreciated Coromandel.



File Optimizer Inauguration

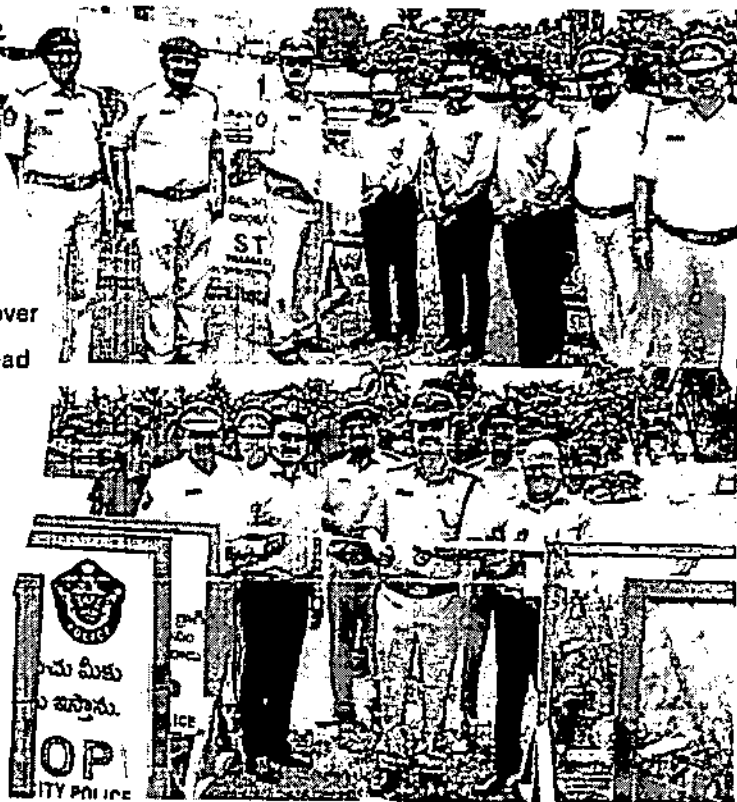
- The facility was inaugurated by Mrs. Vangalapudi Anitha, Honourable Minister of Home Affairs & Disaster Management, Andhra Pradesh, who graced the event as the chief guest. The occasion was honoured by the presence of Shri.Ch. Dwaraka Tirumala Rao, IPS, Director General of Police, Andhra Pradesh, and Dr. Sankarbrata Bagchi, IPS, Visakhapatnam City Police. Underscores Coromandel's dedication to supporting community-benefiting projects.
- Our Unit Head Mr. Gnanasundaram, DGM HR Mr. Srinivasarao, CSO Mr. Narayanapatrudu, Sr Manager Mr. Srikanth, Mr. Manmadha Participated this event.



Road Safety barricades Handed over to Commissioner of Police Visakhapatnam

- 50 road safety barricades have been handed over by Mr. M Gnanasundaram Vice president & Head Mfg. Coromandel International limited to Shri Shanka brata Bagchi, Commissioner of police Visakhapatnam
- Commissioner of Police appreciated our Coromandel management for extending the support to the society.
- Initiative on 12th Aug 2024

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Coromandel Ladies Association GBS Activities



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 on June 2024



Handmade Products

- The Coromandel Ladies Association ordered jute bags and handmade jewellery products from community women, valued at Rs. 34,000 (thirty-four thousand rupees) on 2nd August 2024
-
- The products were delivered on time, and our project benefited from the work of seven women.
-
- They were very happy, and I would like to thank Coromandel Ladies Association for their support.



Support to the Anganwadi's by Coromandel Ladies Association

- Our Coromandel Ladies Association visited the Anganwadi centre at Mulagada Village
- Handed over essential materials to enhance their facilities on June 2024
- Additionally, we established a Nutrition garden to support their needs
- Teachers, Parents and ICDS Supervisor Ms. Varalakshmi felt very happy, Total benefitted children is 20.



Uniform supporting by CLA

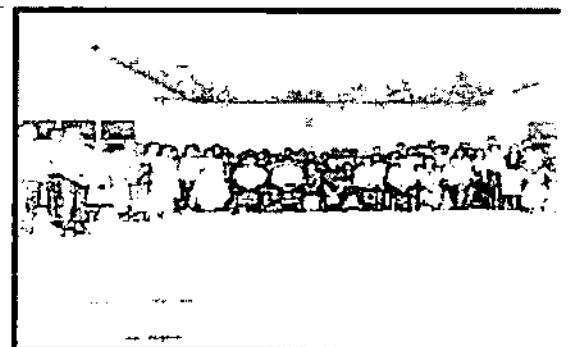
- our Coromandel Ladies Association (CLA) organized a "Giving Back to Society" (GBS) activity. Uniforms were handed over to the children of the Speech & Hearing School, Gaju Waka by our President & CHRO, Shri Arun Leslie George, along with Mr. M Gnana sundaram, Vice President & Head - Mfg. The event was attended by Mr. GSV Raja, AVP & Head of HR, the Unit HR Head, and the Senior Leadership Team.

CLA President explained what about CLA & Operates. The children and teachers were very happy, and the CHRO appreciated the initiatives of the CLA.

Every Month

Benefitted 24 children

22nd August 2024



Library for children supported by CLA

- Coromandel Ladies Association donated to Library Cupboards & Books to ZP High school Mindi
- Library set up handed over by MD sir & COO sir and Children and teachers felt very happy
- Total children benefitted : 684

Initiative on Sep 2024



CLA supported Library reading table



- As per the requested from social welfare hostel warden with Hostel students regarding Lib reading table.
- Coromandel Ladies Association Handed over the Library Reading table to social welfare P Girls at Pedagantyada on 27th Dec 2024
- Established Nutrition Garden and Hostel warden & students felt very happy

Sports kits Support to Govt Schools & Library to Malkapuram School



- Mr. Amir Alvi - Chief Operating Officer – Coromandel Fertilizers, the event with a heartfelt welcome address expressing gratitude to our esteemed dignitaries for their valuable time and unwavering vision.
- Shri Alagappan along with Mr. Amir Alvi – COO, Mr. Jayagopal – Head CSR Corporate, Mr. Arun Leslie George CHRO, Mr. GSV Raja- AVP HR and Mr. Gnanasundaram – VP & Head Mfg – Vizag Unit distributed Sports kits to Community schools.
- Total 9 Govt schools covered 3300 children.
- Our CLA team Library books distributed to GVMC High school children Malkapuram

CLA initiatives

- Our Coromandel Ladies Association Handed over the SSC exam model papers along with Additional materials to GVMC high school Sriharipuram and GVMC high school Gandigram, A total of 165 SSC students benefitted model Paper designed by SCERT & DCED, Our CLA encouraged Govt school education, Particularly SSC students, with the goal of increasing their mark percentage. Our CLA support and distribution of the model papers and each book cost Rs.250/-
- Students and Teachers are very Happy
- Initiated on 28th Feb 2025





CLA team Handed over the School bags and Hearing machine to Hearing speech school children

ధన్యవాదములు



THANK YOU

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/2025 - 049

25-04-2025

To,

The Inspector General of Forests,
Ministry of Environment, Forest and Climate Change,
Integrated Regional Office, Green House,
Gopala Reddy Road, Vijayawada - 520010.

Dear Sir,

Sub: Submission of water consumption data for the last six months - Reg.

Ref: i) EC - SA PA TANKS WHARF (F. No. 11-35/2015-IA-III, Dated 27 June 2017.

Regarding the above as per point Operation Phase (ii) specified in EC- SA PA Wharf tanks, we are here to provide the details of water consumption details from the month of October -2024 to March - 2025. The details are enclosed in Annexure - 01

This is for your kind information & Records

Thanking you,

Yours faithfully,

for Coromandel International Limited


Gnanasundaram M
Vice President & Head Mfg.


NAG/DNR

Enclosure: Annexure - 01 (Wharf Water consumption details)

BN693520915IN INR:6278693520915
EL MALGUPURAM S.O (530011)
Counter No:1.26/04/2025.11:40
To:THE INSPECTOR, M.E. F&C
PIN:520010, Venkateswarapuram S.O
From:COROMANDEL, SRINIPURAM
Wt:1400g, REG=17.0
Amt:25.96, Tax:3.96, Amt.Paid:26.00(Cash)
Track on www.indiapost.gov.in
Dial 18002666663 Near ask - 01-04-2025

Annexure - 01

Wharf Water Consumption data from October 2024 to March 2025

S. No	Month	Monthly water Consumption in KL
01	October 2024	720
02	November 2024	320
03	December 2024	340
04	January 2025	320
05	February 2025	460
06	March 2025	540

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 : 37AAACC7852K12C

Date: 27.09.2024

EH5/APPCB/2024-099

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

RN541R000701H TUR:R27854180007
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 HOD COR.FORM 5 MVRP
Dt: 25/09/24, REG-17.0
Amt: 96.76, Tax: 14.76, Amt. Paid: 97.00 (Cash)
(Track on www.indiapost.gov.in)
(Dial 18002666888) (Wear Masks, Stay Safe)

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: APPCB/VSP/VSP/65/HO/CFO/2020 - 23/12/2020

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. Narasimha
Encl: As above

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

Government of Andhra Pradesh
A.P. State Disaster Response and Fire Services Department

No Objection Certificate for Occupancy

To
The District Industrial Center,
Visakhapatnam
Sir/Madam,

File No: 20042/VSP/MSB/2023

Date: 15/11/2023

Sub: Andhra Pradesh State Disaster Response and Fire Services Department - No Objection Certificate for Occupancy to the existing / newly constructed Multi Storeyed Building (Coromandel International Limited, Visakhapatnam) NAGARAJU D, Coromandel International Limited Sriharipuram - Regarding.

- Ref: 1. Online Application Dt. 04-11-2023 , NAGARAJU D, Coromandel International Limited Sriharipuram
2. Online Inspection Report submitted by Officers of this Department on 18-10-2023,

-- X --

It is to inform that NAGARAJU D applied for No Objection Certificate on 04-11-2023 for Occupancy to the existing / newly constructed Multi Storeyed Building for Coromandel International Limited, Visakhapatnam at Coromandel International Limited Sriharipuram. The officers of the department have scrutinized the information, documents and plans submitted by the applicant along with the undertaking provided by the applicant, and have submitted the following report.

Fire Station

2. The builder has constructed a Multi Storeyed Building with Ground Floor with a height of 4.5 Mtrs for Industrial Occupancy (Category - G1) in a total plot area of 1214100.00 sq. meters.
3. The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

4. The builder has constructed following means of escape:

SI	Details of Staircases	Provided Nos / Meters
1	Internal Staircases	0 No. - 0.00 Meters
2	External Staircases	0 No. - 0.00 Meters
Total		0 Meters

5. The builder has proposed to provide Occupant Load :

SI	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided(Meters)
1	Ground Floor	113.5	Industrial	11	11	0.11	0.00
	Total	113.5		11			

6. The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per PNOC	Provided
1	Fire Extinguishers	1 Nos.	1 Nos.
2	Hose Reel Systems	1 Nos.	0 Nos.
3	Terrace Tank	20000 Ltrs	20000 Ltrs
4	Booster Pump		
5	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

Sl	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl.
1	Ground Floor	1/1	1/0				-/-	-/-	-/-					
	Total	1/1	1/0	-/-	-/-	-/-	0/0	0/0	0/0	-/-	20000 Ltrs /20000 Ltrs	450 LPM /450 LPM	-/-	-/-

- Provide ABC 5 kg/6 kg fire extinguishers

Sulphuric Acid Tank

2. The builder has constructed a Multi Storeyed Building with Ground Floor with a height of 13.25 Mtrs for Industrial Occupancy (Category - G3) in a total plot area of 1214100.00 sq. meters.

3. The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

4. The builder has constructed following means of escape:

Sl	Details of Staircases	Provided Nos / Meters
2	Internal Staircases	0 No. - 0.00 Meters
3	External Staircases	0 No. - 0.00 Meters
	Total	0 Meters

5. The builder has proposed to provide Occupant Load :

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided(Meters)
1	Ground Floor	3354.4	Industrial	335	335	3.35	0.00
	Total	3354.4		335			

6. The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per PNOC	Provided
1	Fire Extinguishers	34 Nos.	34 Nos.
2	Hose Reel Systems	7 Nos.	0 Nos.
3	Wet Riser	7 Nos (For Each Floor)	7 Nos (For Each Floor)
4	Yard Hydrants	YH_30_YH	YH_30_YH
5	Automatic Sprinkler System	373 Nos.	0 Nos.
6	Automatic Detection & Alarm System	60 Nos.	0 Nos.
7	Underground Tank	150000 Ltrs	150000 Ltrs
8	Terrace Tank	20000 Ltrs	20000 Ltrs
9	Fire Pump	Note-11	Note-11
10	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl
1	Ground Floor	34 /34	7 /0				373 /0	4 /0	60 /0					
	Total	34 /34	7 /0	7 Nos (For Each Floor) /7 Nos (For Each Floor)	- /-	YH_30_YH /YH_30_YH	373 /0	4 /0	60 /0	150000 Ltrs /150000 Ltrs	20000 Ltrs /20000 Ltrs	Note-11 /Note-11	- /-	- /-

- WetRiser / DownComer - 100mm with single outlet landing valves.
- In addition to above ABC 5 kg/6 kg fire extinguisher, provide 50 litre water CO2 /25 kg ABC fire extinguisher for every 100 m2 of floor area.
- Provide 1 Yard Hydrant for every 30 mts of Travel Distance along the Perimeter.
- Note 11: Provide required number of sets of pumps each consisting of 2 Electric and 1 Diesel Pump (standby) of capacity 2280 Litres/min and two Electric Pump of Capacity 180 Litres/min.

Technical Building

2. The builder has constructed a Multi Storeyed Building with Ground Floor + One Upper Floor with a height of 9 Mtrs for Industrial Occupancy (Category - G2) in a total plot area of 1214100.00 sq. meters.

3. The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

4. The builder has constructed following means of escape:

Sl	Details of Staircases	Provided Nos / Meters
3	Internal Staircases	1 No. - 1.50 Meters
4	External Staircases	1 No. - 1.50 Meters
Total		3 Meters

5. The builder has proposed to provide Occupant Load :

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided(Meters)
1	Ground Floor	415	Industrial	41	41	0.41	3.00
2	First Floor	415	Industrial	41	41	0.41	3.00
Total		830		82			

6. The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per PNOC	Provided
1	Fire Extinguishers	10 Nos.	10 Nos.
2	Hose Reel Systems	2 Nos.	2 Nos.
3	Automatic Sprinkler System	71 Nos.	71 Nos.
4	Terrace Tank	20000 Ltrs	20000 Ltrs
5	Booster Pump	900	900
6	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

Sl	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Additional
1	Ground Floor	5/5	1/1				36/36	--/--	--/--	-				
2	First Floor	5/5	1/1				35/35	--/--	--/--					
Total		10/10	2/2	--/--	--/--	--/--	71/71	0/0	0/0	--/--	20000 Ltrs /20000 Ltrs	--/--	900 /900	--/--

- Provide ABC 5 kg/6 kg fire extinguishers

Center of Excellence Building (COE)

2. The builder has constructed a Multi Storeyed Building with Ground floor + One Upper Floor with a Height of 9 Mtrs for Industrial Occupancy (Category - G2) in a total plot area of 1214100.00 sq. meters.

3. The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

4. The builder has constructed following means of escape:

Sl	Details of Staircases	Provided Nos / Meters
4	Internal Staircases	1 No. - 1.50 Meters
5	External Staircases	1 No. - 1.50 Meters
Total		3 Meters

5. The builder has proposed to provide Occupant Load :

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided (Meters)
1	Ground Floor	462	Industrial	46	46	0.46	3.00
2	First Floor	462	Industrial	46	46	0.46	3.00
Total		924		92			

6. The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per PNOC	Provided
1	Fire Extinguishers	10 Nos.	10 Nos.
2	Hose Reel Systems	2 Nos.	2 Nos.
3	Automatic Sprinkler System	78 Nos.	78 Nos.
4	Terrace Tank	20000 Ltrs	20000 Ltrs
5	Booster Pump	900	900
6	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Additional
1	Ground Floor	5/5	1/1				39/39	-/-	-/-					
2	First Floor	5/5	1/1				39/39	-/-	-/-					
Total		10/10	2/2	-/-	-/-	-/-	78/78	0/0	0/0	-/-	20000 Ltrs / 20000 Ltrs	-/-	900 / 900	-/-

• Provide ABC 5 kg/6 kg fire extinguishers

Desalination Plant,

11/15/23, 4:30 PM

A.P. State Disaster Response and Fire Services Department

2. The builder has constructed a Multi Storeyed Building with Ground Floor with a height of 9 Mtrs for Industrial Occupancy (Category - G2) in a total plot area of 1214100.00 sq. meters.

3. The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

4. The builder has constructed following means of escape:

Sl	Details of Staircases	Provided Nos / Meters
5	Internal Staircases	0 No. - 0.00 Meters
6	External Staircases	0 No. - 0.00 Meters
Total		0 Meters

5. The builder has proposed to provide Occupant Load :

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided(Meters)
1	Ground floor	5400	Industrial	540	540	5.40	0.00
Total		5400		540			

6. The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per PNOC	Provided
1	Fire Extinguishers	54 Nos.	54 Nos.
2	Hose Reel Systems	11 Nos.	0 Nos.
3	Wet Riser	11 Nos (For Each Floor)	11 Nos (For Each Floor)
4	Yard Hydrants	YH_45_YH	YH_45_YH
5	Automatic Sprinkler System	450 Nos.	0 Nos.
6	Automatic Detection & Alarm System	96 Nos.	0 Nos.
7	Underground Tank	150000 Ltrs	150000 Ltrs
8	Terrace Tank	20000 Ltrs	20000 Ltrs
9	Fire Pump	Note-11	Note-11
10	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

Sl	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl
1	Ground floor	54 /54	11 /0				450 /0	6 /0	96 /0					

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Add
	Total	54 /54	11 /0	11 Nos (For Each Floor) /11 Nos (For Each Floor)	- /-	YH_45 _YH /YH_45 _YH	450 /0	6 /0	96 /0	150000 Ltrs /150000 Ltrs	20000 Ltrs /20000 Ltrs	Note- 11 /Note- 11	- /-	- /-

Wet Riser / Down Comer - 100mm with single outlet landing valves.

- Provide ABC 5 kg/6 kg fire extinguishers
- Provide 1 Yard Hydrant for every 45 mts of Travel Distance along the Perimeter.
- Note 11: Provide required number of sets of pumps each consisting of 2 Electric and 1 Diesel Pump (standby) of capacity 2280 Litres/min and two Electric Pump of Capacity 180 Litres/min.

HSD Area & Air Compressor Shed

2. The builder has constructed a Multi Storeyed Building with Ground Floor with a height of 5.4 Mtrs for Industrial Occupancy (Category - G3) in a total plot area of 1214100.00 sq. meters.

3. The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

4. The builder has constructed following means of escape:

Sl	Details of Staircases	Provided Nos / Meters
6	Internal Staircases	0 No. - 0.00 Meters
7	External Staircases	0 No. - 0.00 Meters
Total		0 Meters

5. The builder has proposed to provide Occupant Load :

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided(Meters)
1	Ground Floor	554.34	Industrial	55	55	0.55	0.00
	Total	554.34		55			

6. The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per PNOC	Provided
1	Fire Extinguishers	8 Nos.	8 Nos.

Sl	Fire Safety System	Proposed as per PNOC	Provided
2	Hose Reel Systems	2 Nos.	0 Nos.
3	Wet Riser	2 Nos (For Each Floor)	2 Nos (For Each Floor)
4	Yard Hydrants	YH_30_YH	YH_30_YH
5	Automatic Sprinkler System	62 Nos.	0 Nos.
6	Automatic Detection & Alarm System	10 Nos.	0 Nos.
7	Underground Tank	150000 Ltrs	150000 Ltrs
8	Terrace Tank	20000 Ltrs	20000 Ltrs
9	Fire Pump	Note-11	Note-11
10	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl
1	Ground Floor	8 / 8	2 / 0				62 / 0	1 / 0	10 / 0					
	Total	8 / 8	2 / 0	2 Nos (For Each Floor) / 2 Nos (For Each Floor)	-- / --	YH_30_YH / YH_30_YH	62 / 0	1 / 0	10 / 0	150000 Ltrs / 150000 Ltrs	20000 Ltrs / 20000 Ltrs	Note-11 / Note-11	-- / --	-- / --

- Wet Riser / Down Comer - 100mm with single outlet landing valves.
- In addition to above ABC 5 kg/6 kg fire extinguisher, provide 50 litre water CO2 / 25 kg ABC fire extinguisher for every 100 m2 of floor area.
- Provide 1 Yard Hydrant for every 30 mts of Travel Distance along the Perimeter.
- Note 11: Provide required number of sets of pumps each consisting of 2 Electric and 1 Diesel Pump (standby) of capacity 2280 Litres/min and two Electric Pump of Capacity 180 Litres/min.

TG 3 & TG 3 Cooling Tower

- The builder has constructed a Multi Storeyed Building with Ground Floor + One Upper Floor with a height of 8.75 Mtrs for Industrial Occupancy (Category - G2) in a total plot area of 1214100.00 sq. meters.
- The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

- The builder has constructed following means of escape:

Sl	Details of Staircases	Provided Nos / Meters
7	Internal Staircases	1 No. - 1.50 Meters
8	External Staircases	1 No. - 1.50 Meters
	Total	3 Meters

5. The builder has proposed to provide Occupant Load :

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided (Meters)
1	Ground floor	1632	Industrial	163	163	1.63	3.00
2	First Floor	805.7	Industrial	80	80	0.80	3.00
	Total	2437.7		243			

6. The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per PNOC	Provided
1	Fire Extinguishers	26 Nos.	26 Nos.
2	Hose Reel Systems	6 Nos.	6 Nos.
3	Wet Riser	4 Nos (For Each Floor)	4 Nos (For Each Floor)
4	Yard Hydrants	YH_45_YH	YH_45_YH
5	Automatic Sprinkler System	204 Nos.	204 Nos.
6	Manually Operated Electric Fire Alarm System	3 Nos.	3 Nos.
7	Automatic Detection & Alarm System	45 Nos.	45 Nos.
8	Underground Tank	150000 Ltrs	150000 Ltrs
9	Terrace Tank	20000 Ltrs	20000 Ltrs
10	Fire Pump	Note-11	Note-11
11	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

Sl	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl
1	Ground floor	17 / 17	4 / 4				136 / 136	2 / 2	30 / 30					
2	First Floor	9 / 9	2 / 2				68 / 68	1 / 1	15 / 15					

11/15/23, 4:30 PM

A.P. State Disaster Response and Fire Services Department

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl.
				4 Nos (For Each Floor)		YH_45 _YH /YH_45 _YH	204 /204	3 /3	45 /45	150000 Ltrs /150000 Ltrs	20000 Ltrs /20000 Ltrs	Note- 11 /Note- 11	-- /--	-- /--
	Total	26 /26	6 /6	4 Nos (For Each Floor)	-- /--									

- WetRiser / DownComer - 100mm with single outlet landing valves.
- Provide ABC 5 kg/6 kg fire extinguishers
- Provide 1 Yard Hydrant for every 45 mts of Travel Distance along the Perimeter.
- Note 11: Provide required number of sets of pumps each consisting of 2 Electric and 1 Diesel Pump (standby) of capacity 2280 Litres/min and two Electric Pump of Capacity 180 Litres/min.

Cooling Tower

- The builder has constructed a Multi Storeyed Building with Ground Floor with a height of 10.9 Mtrs for Industrial Occupancy (Category - GI) in a total plot area of 1214100.00 sq. meters.
- The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Bullder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

- The builder has constructed following means of escape:

Sl	Details of Staircases	Provided Nos / Meters
8	Internal Staircases	0 No. - 0.00 Meters
9	External Staircases	0 No. - 0.00 Meters
	Total	0 Meters

- The builder has proposed to provide Occupant Load :

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided(Meters)
1	Ground Floor	1595.8	Industrial	159	159	1.59	0.00
	Total	1595.8		159			

- The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per PNOC	Provided
1	Fire Extinguishers	8 Nos.	8 Nos.
2	Hose Reel Systems	4 Nos.	0 Nos.

Sl	Fire Safety System	Proposed as per PNOC	Provided
3	Down Comer	4 Nos (For Each Floor)	4 Nos (For Each Floor)
4	Terrace Tank	25000 Ltrs	25000 Ltrs
5	Booster Pump	450 LPM	450 LPM
6	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl
1	Ground Floor	8/8	4/0				-/-	-/-	-/-					
	Total	8/8	4/0	-/-	4 Nos (For Each Floor) /4 Nos (For Each Floor)	-/-	0/0	0/0	0/0	-/-	25000 Ltrs /25000 Ltrs	-/-	450 LPM /450 LPM	-/-

- Provide ABC 5 kg/6 kg fire extinguishers
- Wet Riser / Down Comer - 100mm with single outlet landing valves.

Acid Section

- The builder has constructed a Multi Storeyed Building with Ground Floor + 3 Upper Floors with a height of 7 Mtrs for Industrial Occupancy (Category - G3) in a total plot area of 1214100.00 sq. meters.
- The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

4. The builder has constructed following means of escape:

Sl	Details of Staircases	Provided Nos / Meters
9	Internal Staircases	1 No. - 1.50 Meters
10	External Staircases	1 No. - 1.50 Meters
	Total	3 Meters

5. The builder has proposed to provide Occupant Load :

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided (Meters)
1	Ground Floor	1885.93	Industrial	188	188	1.88	3.00
2	First Floor	463.54	Industrial	46	46	0.46	3.00
3	Second Floor	463.54	Industrial	46	46	0.46	3.00
4	Third Floor	163.11	Industrial	16	16	0.16	3.00
	Total	2976.12		296			

6. The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per PNOC	Provided
1	Fire Extinguishers	31 Nos.	31 Nos.
2	Hose Reel Systems	7 Nos.	0 Nos.
3	Wet Riser	4 Nos (For Each Floor)	4 Nos (For Each Floor)
4	Yard Hydrants	YH_30_YH	YH_30_YH
5	Automatic Sprinkler System	333 Nos.	0 Nos.
6	Manually Operated Electric Fire Alarm System	5 Nos.	0 Nos.
7	Automatic Detection & Alarm System	55 Nos.	0 Nos.
8	Underground Tank	150000 Ltrs	150000 Ltrs
9	Terrace Tank	20000 Ltrs	20000 Ltrs
10	Fire Pump	Note-11	Note-11
11	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

SL	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl
1	Ground Floor	19 /19	4 /0				210 /0	2 /0	34 /0					
2	First Floor	5 /5	1 /0				52 /0	1 /0	9 /0					
3	Second Floor	5 /5	1 /0				52 /0	1 /0	9 /0					
4	Third Floor	2 /2	1 /0				19 /0	1 /0	3 /0					

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl
	Total	31 /31	7 /0	4 Nos (For Each Floor) /4 Nos (For Each Floor)	-- /--	YH_30 _YH /YH_30 _YH	333 /0	5 /0	55 /0	150000 Ltrs /150000 Ltrs	20000 Ltrs /20000 Ltrs	Note- 11 /Note- 11	-- /--	-- /--

- WetRiser / DownComer - 100mm with single outlet landing valves.
- In addition to above ABC 5 kg/6 kg fire extinguisher, provide 50 litre water CO2 /25 kg ABC fire extinguisher for every 100 m2 of floor area.
- Provide 1 Yard Hydrant for every 30 mts of Travel Distance along the Perimeter.
- Note 11: Provide required number of sets of pumps each consisting of 2 Electric and 1 Diesel Pump (standby) of capacity 2280 Litres/min and two Electric Pump of Capacity 180 Litres/min.

Molten Sulphur Tanks

2. The builder has constructed a Multi Storeyed Building with Ground Floor with a height of 11.4 Mtrs for Industrial Occupancy (Category - G3) in a total plot area of 1214100.00 sq. meters.

3. The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

4. The builder has constructed following means of escape:

Sl	Details of Staircases	Provided Nos / Meters
10	Internal Staircases	0 No. - 0.00 Meters
11	External Staircases	0 No. - 0.00 Meters
	Total	0 Meters

5. The builder has proposed to provide Occupant Load :

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided(Meters)
1	Ground Floor	1144.8	Industrial	114	114	1.14	0.00
	Total	1144.8		114			

6. The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per PNOC	Provided
1	Fire Extinguishers	12 Nos.	12 Nos.

Sl	Fire Safety System	Proposed as per PNOC	Provided
2	Hose Reel Systems	3 Nos.	0 Nos.
3	Wet Riser	3 Nos (For Each Floor)	3 Nos (For Each Floor)
4	Yard Hydrants	YH_30_YH	YH_30_YH
5	Automatic Sprinkler System	128 Nos.	128 Nos.
6	Automatic Detection & Alarm System	21 Nos.	21 Nos.
7	Underground Tank	150000 Ltrs	150000 Ltrs
8	Terrace Tank	20000 Ltrs	20000 Ltrs
9	Fire Pump	Note-11	Note-11
10	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

SL	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl
1	Ground Floor	12 /12	3 /0				128 /128	3 /3	21 /21					
	Total	12 /12	3 /0	3 Nos (For Each Floor) /3 Nos (For Each Floor)	-- /--	YH_30_YH /YH_30_YH	128 /128	3 /3	21 /21	150000 Ltrs /150000 Ltrs	20000 Ltrs /20000 Ltrs	Note-11 /Note-11	-- /--	-- /--

- WetRiser / DownComer - 100mm with single outlet landing valves.
- In addition to above ABC 5 kg/6 kg fire extinguisher; provide 50 litre water CO2 /25 kg ABC fire extinguisher for every 100 m2 of floor area.
- Provide 1 Yard Hydrant for every 30 mts of Travel Distance along the Perimeter.
- Note 11: Provide required number of sets of pumps each consisting of 2 Electric and 1 Diesel Pump (standby) of capacity 2780 Litres/min and two Electric Pump of Capacity 180 Litres/min.

Control Room

- The builder has constructed a Multi Storeyed Building with Ground Floor + One Upper Floor with a height of 12 Mtrs for Industrial Occupancy (Category - G2) in a total plot area of 1214100.00 sq. meters.
- The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

- The builder has constructed following means of escape:

Sl	Details of Staircases	Provided Nos / Meters
11	Internal Staircases	1 No. - 1.50 Meters
12	External Staircases	1 No. - 1.50 Meters
Total		3 Meters

5. The builder has proposed to provide Occupant Load :

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided(Meters)
1	Ground Floor	676.8	Industrial	67	67	0.67	3.00
2	First Floor	676.8	Industrial	67	67	0.67	3.00
	Total	1353.6		134			

6. The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per FNO	Provided
1	Fire Extinguishers	14 Nos.	14 Nos.
2	Hose Reel Systems	4 Nos.	4 Nos.
3	Down Comer	2 Nos (For Each Floor)	2 Nos (For Each Floor)
4	Automatic Sprinkler System	114 Nos.	114 Nos.
5	Manually Operated Electric Fire Alarm System	2 Nos.	2 Nos.
6	Automatic Detection & Alarm System	26 Nos.	26 Nos.
7	Terrace Tank	50000 Ltrs	50000 Ltrs
8	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Add.
1	Ground Floor	7 / 7	2 / 2				57 / 57	1 / 1	13 / 13					
2	First Floor	7 / 7	2 / 2				57 / 57	1 / 1	13 / 13					
	Total	14 / 14	4 / 4	- / -	2 Nos (For Each Floor) / 2 Nos (For Each Floor)	- / -	114 / 114	2 / 2	26 / 26	- / -	50000 Ltrs / 50000 Ltrs	- / -	Note-11 / Note-11	- / -

- Provide ABC 5 kg/6 kg fire extinguishers
- Wet Riser / Down Comer - 100mm with single outlet landing valves.

Gas Section

2. The builder has constructed a Multi Storeyed Building with Ground Floor + 2 Upper Floors with a height of 11 Mtrs for Industrial Occupancy (Category - G3) in a total plot area of 1214100.00 sq. meters.

3. The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

4. The builder has constructed following means of escape:

Sl	Details of Staircases	Provided Nos / Meters
12	Internal Staircases	0 No. - 0.00 Meters
13	External Staircases	1 No. - 1.50 Meters
	Total	1.5 Meters

5. The builder has proposed to provide Occupant Load :

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided(Meters)
1	Ground Floor	1629.7	Industrial	162	162	1.62	1.50
2	First Floor	124.5	Industrial	12	12	0.12	1.50
3	Second Floor	124.5	Industrial	12	12	0.12	1.50
	Total	1878.7		186			

6. The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per PNOC	Provided
1	Fire Extinguishers	25 Nos.	25 Nos.
2	Hose Reel Systems	6 Nos.	0 Nos.
3	Wet Riser	4 Nos (For Each Floor)	4 Nos (For Each Floor)
4	Yard Hydrants	YH_30_YH	YH_30_YH
5	Automatic Sprinkler System	209 Nos.	0 Nos.
6	Manually Operated Electric Fire Alarm System	3 Nos.	0 Nos.
7	Automatic Detection & Alarm System	35 Nos.	0 Nos.
8	Underground Tank	150000 Ltrs	150000 Ltrs
9	Terrace Tank	20000 Ltrs	20000 Ltrs
10	Fire Pump	Note-11	Note-11
11	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC

of India 2016.

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl
1	Ground Floor	17 /17	4 /0				181 /0	1 /0	29 /0					
2	First Floor	4 /4	1 /0				14 /0	1 /0	3 /0					
3	Second Floor	4 /4	1 /0				14 /0	1 /0	3 /0					
	Total	25 /25	6 /0	4 Nos (For Each Floor) /4 Nos (For Each Floor)	--/--	YH_30 _YH /YH_30 _YH	209 /0	3 /0	35 /0	150000 Ltrs /150000 Ltrs	20000 Ltrs /20000 Ltrs	Note- 11 /Note- 11	--/--	--/--

- WetRiser / DownComer - 100mm with single outlet landing valves.
- In addition to above ABC 5 kg/6 kg fire extinguisher, provide 50 litre water CO2 /25 kg ABC fire extinguisher for every 100 m2 of floor area.
- Provide 1 Yard Hydrant for every 30 mts of Travel Distance along the Perimeter.
- Note 11: Provide required number of sets of pumps each consisting of 2 Electric and 1 Diesel Pump (standby) of capacity 2280 Litres/min and two Electric Pump of Capacity 180 Litres/min.

Sulphur Godown

2. The builder has constructed a Multi Storeyed Building with Ground Floor with a height of 12 Mtrs for Industrial Occupancy (Category - G3) in a total plot area of 1214100.00 sq. meters.

3. The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

4. The builder has constructed following means of escape:

Sl	Details of Staircases	Provided Nos / Meters
13	Internal Staircases	0 No. - 0.00 Meters
14	External Staircases	0 No. - 0.00 Meters
	Total	0 Meters

5. The builder has proposed to provide Occupant Load :

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided(Meters)
1	Ground Floor	1431.3	Industrial	143	143	1.43	0.00

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided(Meters)
	Total	1431.3		143			

6. The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per PNOC	Provided
1	Fire Extinguishers	15 Nos.	15 Nos.
2	Hose Reel Systems	3 Nos.	0 Nos.
3	Wet Riser	3 Nos (For Each Floor)	3 Nos (For Each Floor)
4	Yard Hydrants	YH_30_YH	YH_30_YH
5	Automatic Sprinkler System	160 Nos.	160 Nos.
6	Automatic Detection & Alarm System	26 Nos.	0 Nos.
7	Underground Tank	150000 Ltrs	150000 Ltrs
8	Terrace Tank	20000 Ltrs	20000 Ltrs
9	Fire Pump	Note-11	Note-11
10	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Additional
1	Ground Floor	15 /15	3 /0				160 /160	3 /3	26 /0					
	Total	15 /15	3 /0	3 Nos (For Each Floor) /3 Nos (For Each Floor)	-- /--	YH_30_YH /YH_30_YH	160 /160	3 /3	26 /0	150000 Ltrs /150000 Ltrs	20000 Ltrs /20000 Ltrs	Note-11 /Note-11	-- /--	-- /--

- Wet Riser / Down Comer - 100mm with single outlet landing valves.
- In addition to above ABC 5 kg/6 kg fire extinguisher, provide 50 litre water CO2 /25 kg ABC fire extinguisher for every 100 m2 of floor area.
- Provide 1 Yard Hydrant for every 30 mts of Travel Distance along the Perimeter.
- Note 11: Provide required number of sets of pumps each consisting of 2 Electric and 1 Diesel Pump (standby) of capacity 2280 Litres/min and two Electric Pump of Capacity 180 Litres/min.

8. The Officers of the department have recommended to issue The No Objection Certificate for Occupancy of MSB Industrial Building (G1) belonging to NAGARAJU D Coromandel International Limited Sriharipuram, subject to the following conditions.

The No Objection Certificate for Occupancy is issued subject to the following conditions:

1. This NOC is issued only in the Fire Safety Point of View and this doesnot give the Applicant a right to claim ownership of the property.
2. All fire safety systems provided shall be maintained in trim working condition at all times.
3. All Security/ Maintenance personnel shall be trained on the usage of fire equipment provided.
4. Fire Drills shall be conducted once in every 3 months.
5. As per report of MSB Inspection committee; the NOC Committee has scrutinized the Inspection Committee Report along with Proposals and recommended for issuance of No Objection Certificate for Occupancy subject to the following Conditions.

Sl	As Builder	As Occupant	As Security Personnel
1	All the fire protection arrangements shall be maintained in good condition as seen during inspection.	All the escape/exit routes shall not be kept locked/blocked or encroached	All the occupants must know the correct method of operation of the fire fighting system installed.
2	Any loss of life or property due to non-functioning of fire safety measures and other installations shall be the responsibility of the management.	All occupants shall be trained to operate the fire safety equipments during emergency.	Mock drills should be conducted once in 3 months for initial two years. Thereafter, once in every 6 months.
3	Addition / alteration, if any in the building may be verified by building authority.	Mock drills should be conducted once in 3 months for initial two years. Thereafter, once in every 6 months.	All security personnel shall be trained to operate the fire safety equipments during emergency.
4	This No objection Certificate for occupancy is valid for one year from the date of issue of this letter	Raise the alarm if the fire cannot be controlled; Evacuate the area completely at once from nearest safe exit.	Attack the fire using available fire equipment only if you feel capable of controlling. If not, take all steps to isolate the area by closing doors and windows.

6. This No Objection Certificate for Occupancy is valid for a period of Two(02) years only from the date of issue of this letter. It is the responsibility of the builder to apply for Renewal of No Objection Certificate for Occupancy, duly remitting the User Charges as per G.O.Ms.No.71, Home (Prison-A) Department, dated 01-04-2010 and G.O.Ms.No.140, Home (Prison & Fire) Department, dated.04-09-2015, before expiry of this No Objection Certificate.

9. The following deficiencies are identified by the officers of the department and need to be attended to by the management.

In view of the above, as per the recommendations of the NOC Committee, the No Objection Certificate for Occupancy is hereby issued to the Newly constructed Multi Storeyed Building subject to the above conditions.

Your Sincerely,



Director General

State Disaster Response & Fire Services
Andhra Pradesh, Vijayawada

Copy to NAGARAJU D, The management of Coromandel International Limited, Visakhapatnam,
HQEsXMryLIZfe8msZ8HAnRgxXMDA3aU7EsGu97DaPmT7

Copy to Chief Office for Record Purpose
Copy to Regional Fire Officer concerned

11/15/23, 4:30 PM

A.P. State Disaster Response and Fire Services Department

Copy to District Fire Officer concerned

Copy to Assistant District Fire Officer concerned



भारत सरकार
Government of India
वाणिज्य और उद्योग मंत्रालय
Ministry of Commerce & Industry
पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पैसो)
Petroleum & Explosives Safety Organisation (PESO)
डोर न. ७-२०-१३, किरलामपुडी लेआउट
विशाखापट्टनम- 530017
Door No. 7-20-13,
Kirlampudi Layout,
Visakhapatnam - 530017

E-mail : dyccevizag@explosives.gov.in

Phone/Fax No : 0891-2722257

दिनांक /Dated : 21/06/2024

Only Approval (no Licence)

फीस रु. /Fees : Rs. 2000 /- (अनुमोदन) Approval for permission

संख्या /No. : A/P/SZ/AP/15/89 (P599677)

सेवा
में
/To,

M/s. COROMANDEL INTERNATIONAL LIMITED, —
Sriharipuram, Visakhapatnam Urban,
Visakhapatnam,
Sriharipuram,
Visakhapatnam (Urban),
Taluka: Visakhapatnam (Urban),
District: VISAKHAPATNAM
State: Andhra Pradesh
PIN: 530011

विषय

/Sub पेट्रोलियम वर्ग "ग" के भंडारण संदर्भ में.

Storage of Petroleum not exceeding 41 KL Class C.

महोदय

/Dear

Sir(s),

कृपया आपके उपर्युक्त विषय से संबंधित पत्र संख्या OIN1692266 दिनांक 20/06/2024 का संदर्भ ग्रहण करें।

Please refer to your letter No OIN1692266 dated 20/06/2024.

पेट्रोलियम नियम, 2002 के अंतर्गत नियम 140 के अधिन आपके Survey No. --, Sriharipuram, Sriharipuram, Visakhapatnam (Urban), Taluka: Visakhapatnam (Urban), District: VISAKHAPATNAM, State: Andhra Pradesh, PIN: 530011 स्थित परिसर में 41 KL किलोलीटर पेट्रोलियम वर्ग "ग" के भंडारण संबंधी सूचना नोट की गई है. संबंधित आरेखण की प्रतिलिपि इस कार्यालय की मोहर के साथ संलग्न है. कृपया नोट करें कि अगर पेट्रोलियम वर्ग "ग" Class C का किसी एक समय भंडारण 45 KL किलोलीटर से अधिक होता है तो आपको इस कार्यालय से अनुज्ञप्ति प्राप्त करनी होगी. आपके इन्स्टालेशन को लागू पेट्रोलियम नियम, 2002 के अध्याय VI में किए गए प्रावधानों का कड़ाई से पालन करें.

Your intimation under Rule 140 of Petroleum Rules 2002 regarding storage of 41 KL of Class C in your factory premises at Survey No. --, Sriharipuram, Sriharipuram, Visakhapatnam (Urban), Taluka: Visakhapatnam (Urban), District: VISAKHAPATNAM, State: Andhra Pradesh, PIN: 530011 is noted and a copy of drawing bearing this office stamp is enclosed. In case of any addition/alteration, revised drawings/documents may be submitted to this office for reissue of the permission. Please note that you will have to take out a Licence if storage of Class C exceeds 45 KL at any one time. This provisions of Chapter VI of Petroleum Rules, 2002 as applicable to your installation should be strictly observed.

फिर भी, यह अनुमोदन/अनुमति अन्य प्राधिकारियों से आवश्यक अनुमति/क्लीयरन्स प्राप्त करने से या यथा लागू अन्य विधियों से छूट नहीं देती है।

This approval/permission, however, does not absolve from obtaining necessary permission/clearance from other authorities or under other statutes as applicable.

Yours faithfully,

((जे.सरकार)

(J. Sarkar))

उप मुख्य विस्फोटक नियंत्रक
Dy. Chief Controller of Explosives
विशाखापट्टनम/Visakhapatnam

(अधिक जानकारी जैसे आवेदन की स्थिति, शुल्क तथा अन्य विवरण के लिए हमारी वेबसाइट : <http://peso.gov.in> देखें)
(For more information regarding status, fees and other details please visit our website <http://peso.gov.in>)

Note:-This is system generated document does not require signature.

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EHS/MoEF/2025 - 070

31/05/2025

To
The Director,
Regional Office (South Eastern Zone),
Ministry of Environment, Forests and Climate Change,
1st and 2nd Floor, Handloom Export Promotion Council,
34, Cathedral Garden Road,
Nungambakkam, Chennai-600034.

Dear Sir,

Sub: Half Yearly EC (CRZ Clearance) Compliance Report- regd.

Ref: F. No. F.NO: 11/5/2022-IA.III dated 24.03.2022

Please find the attached half yearly compliance report of CRZ Clearance issued by MOEFCC for construction of seawater plant (Desalination plant) with capacity of 15 MLD.

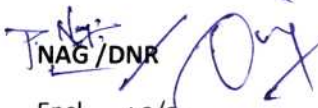
Period of submission : **Oct'24 to Mar'25**
Unit : Coromandel International Limited, Visakhapatnam

Thanking You,

For Coromandel International Limited



M. Gnanasundaram
VP – Head Manufacturing



NAG/DNR

Encl : a/a

CC: The Member Secretary, Head Office-APPCB, Vijayawada
Joint Chief Environmental Engineer, APPCB, Zonal Office, Visakhapatnam
Environmental Engineer, APPCB, Regional Office, Visakhapatnam

EHS2-Vizag-Coromandel

From: Nagarjuna-P-Mgr-EHS-Vizag-Coromandel
Sent: 02 June 2025 16:42
To: ecompliance-ap@gov.in; rovspappcb@gmail.com; zovspappcb@gmail.com
Cc: EHS2-Vizag-Coromandel; Nageswara Rao G-AsstMgr-EHS-Vizag-Coromandel; Subhradip Mondal-Sr.Mgr-Environment-Fertiliser-Vizag-Coromandel; Nagaraju D-AGM-EHS-Vizag-Coromandel; Vinod Kumar Mishra-Sr.GM-EHS-Vizag-Coromandel
Subject: Half Yearly EC (CRZ Clearance) Compliance Report- regd.
Attachments: EC CRZ compliance Desalination Plant (Oct -2024 to March -2025).pdf

Dear Sir,

Ref: F. No. F.NO: 11/5/2022-IA.III dated 24.03.2022

Please find the attached half yearly compliance report of CRZ Clearance issued by MOEFCC for construction of seawater plant (Desalination plant) with capacity of 15 MLD.

Period of submission : October -2024 to March-2025

Unit : Coromandel International Limited, Visakhapatnam.

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, Visakhapatnam

Compliance status of Environment clearance

CRZ Clearance for construction of seawater plant (Desalination plant) with capacity of 15 MLD

F.NO: 11/5/2022-IA.III DT: 24.03.2022

For the period from Oct-2024 to March-2025

S.NO	CONDITIONS	COMPLIANCE
PART A – SPECIFIC CONDITIONS		
1	All construction shall be strictly in accordance with the provisions of CRZ Notification, 2011 and as amended from time to time.	Noted.
2	No storage reservoir for sea water shall be permitted and only pipelines conveyance system shall be installed.	Noted.
3	No ground water shall be extracted within CRZ area to meet water requirements during the construction and/or operational phase of the project.	Noted, we are not extracting any groundwater. Our water requirement is made through the existing desalination plant of 6 MLD and water supply from GVMC.
4	No excavated material during the construction shall be dumped in water bodies or adjacent areas. The site shall be restored to its near original condition after completion of construction.	Noted and complied.
5	Any physical infrastructure setup during construction period shall be removed simultaneously with completion of laying of each segment of the project.	Noted.
6	All the conditions stipulated by the Andhra Pradesh Coastal Zone Management Authority for CRZ clearance vide its letter no: 307/CRZ/IND/2021 dt: 18.01.2022 and commitments made by the PP before the CZMA and EAC shall be followed in letter and spirit.	Noted
7	All necessary clearance from the concerned authority, as may be applicable should be obtained prior to commencement of project or activity.	Complied. We have obtained all the prior approvals prior to the commencement of the project. Reference CFO & CFE from APPCB. CFO order APPCB/VSP/65/CFO/HO/1967 dated. 04.08.2023 and CFE order No. 65/APPCB/CFE/RO-VSP/HO/2012 dated 22.11.2022.
PART – B – GENERAL CONDITIONS		
1	Management of solid waste in accordance with the Solid waste Management Rules, 2016 shall be strictly implemented.	Noted, Solid waste management is being handled as per the solid waste management rules as applicable.
2	Consent to Establish and or Consent to Operate shall be obtained from State Pollution Control	The Consent to Establish and/or Consent to Operate has been obtained from the

Coremandel International Limited, Visakhapatnam

	Board under the provisions of Air (Prevention and Control of Pollution) Act, 1981 and/or the Water (Prevention and Control of Pollution) Act, 1974 as may be applicable.	APPCB under the provisions of the Air (Prevention and Control of Pollution) Act, 1981 and/or the Water (Prevention and Control of Pollution) Act, 1974, as may be applicable. CFE & CFO from APPCB. CFE order No. 65/APPCB/CFE/RO-VSP/HO/2012 dated 22.11.2022 and CFO order APPCB/VSP/65/CFO/HO/1967 dated. 04.08.2023.
3	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	Complied. We will ensure that the disposal of muck during the construction phase will not create any adverse effects on the neighboring communities. All muck will be disposed of with the necessary precautions for general safety and health aspects of people. Disposal will occur only in approved sites, with the approval of the competent authority, ensuring minimal impact on the environment and surrounding population.
4	All liquid waste arising from the proposed development will be disposed of as per the norms prescribed by Central/State Pollution Control Board. There shall not be any disposal of untreated effluent into the Sea/coastal water bodies. It shall be ensured that the wastewater generated is treated in the STP as committed by the project proponent. The treated waste water shall be reused for landscaping, flushing and/or HVAC Colling purposes etc within the development. The project proponent should also make alternate arrangement for situation arising due to malfunctioning of STP. There shall be regular monitoring of standard parameters of the effluent discharge from STP under intimation to the SPCB.	Presently we have completed construction of 06MLD out of total capacity 15MLD and presently generating around 10000 KLD Per day of the generation of brine from the process which is being disposed into the sea through the existing discharge canal.
5	Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.	Noted
6	A copy of the clearance letter shall be uploaded on the website of the concerned State Coastal Zone Management Authority/State pollution control board. The clearance letter shall also be displayed at the regional office, District industries center and Collectors Office/Tehsildars office for 30days.	Complied
7	A Six-monthly monitoring report shall need to be submitted by the project proponent to the	Noted

Coromandel International Limited, Visakhapatnam

	concerned regional office of this Ministry regarding the implementation of the stipulated conditions.	We liberally submitted half yearly report to submitted concerned authorities
8	The Ministry of Environment, Forest & Climate Change or any other competent authority may stipulate any additional conditions or modify the existing ones, if necessary, in the interest of environment and the same shall be complied with.	Noted and will be adhered.
9	The above stipulations would be enforced among others under the provisions of the Water (Prevention and Control of pollution) Act, 1974	Noted
10	Full co-operation shall be extended to the officials from the regional office of MoEF&CC, during monitoring of implementation of environmental safeguards stipulated. It shall be ensured that documents/data sought pertinent is made available to the monitoring team. A complete set of all the documents submitted to MoEF &CC shall be forwarded to the concerned Regional Office of MoEF & CC.	Complied The full cooperation shall be extended to the officials from the Regional Office of MoEF &CC during their monitoring of the implementation of environmental safeguards. All requested documents and data shall be promptly made available to the monitoring team.
11	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.	Noted
12	The ministry reserves the right to add additional safeguard measures subsequently, if considered necessary and to take action to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner, including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986 for non-compliance.	Noted
13	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc shall be obtained, as applicable by project proponent from the respective competent authorities.	Noted Storage of Diesel from Chief Controller of Explosives valid up to 31/12/2029 Fire Department Fire NOC Valid Up to 14/11/2025 A copy of the PESO & Fire NOC enclosed in Annexure - 01
14	The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded CRZ clearance and copies of clearance letters are available with the State Pollution Control Board (SPCB) and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at	Complied The copy of the advertisements was forwarded to the Ministry vide our letter Date - 08-04-2022.

Coromandel International Limited, Visakhapatnam

	http://www.envfor.nic.in . The advertisement should be made within seven days from the date of receipt of the clearance letter and a copy of the same should be forwarded to the concerned Regional Office of this Ministry.	
15	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban Local body and the Local NGO, if any from whom suggestions/representations, if any were received while processing the proposal.	Complied An acknowledgment copy is attached in Annexure - 02
16	The proponent shall upload the status of compliance of the stipulated conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF&CC, the respective Zonal office of CPCB and the SPCB.	Complied We are regularly sending the Half yearly Report along with all the monitoring data to the concerned authorities. The report is also hosted on the Company's WEB Site: - https://www.coromandel.biz/sustainability/environment/
17	The environmental statement for each financial year ending 31 st March in form -V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986 as amended subsequently, shall also be put on the website of the project proponent along with the status of compliance of clearance conditions and shall also be sent to the respective Regional office of the Ministry by e-mail.	Complied. The environmental statement for the year FY:2023-24 has been submitted ON 27.09.2024 Copy of the acknowledgment herewith is enclosed as Annexure-03. The report is also hosted on the Company's WEB Site: - https://www.coromandel.biz/sustainability/environment/



Annexure -2

भारत सरकार
Government of India
व्यवसाय और उद्योग विभाग
Ministry of Commerce & Industry
पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पेसो)
Petroleum & Explosives Safety Organisation (PESO)
डोर नं. ७-२७-१३, किराणपुडी लेआउट
विसाखपट्टनम- 530017
Door No. 7-20-13,
Kilampudi Layout,
Visakhapatnam - 530017

E-mail : dyccertizap@explosives.gov.in
Phone/Fax No : 0891-2722257

संख्या /No. : P/HQ/AP/15/846 (P4309)

दिनांक /Dated : 23/10/2024

सेवा में
/To.

**M/S. COROMANDEL FERTILIZERS LTD.,
P.B.NO.125,217/97,,
VISAKHAPATNAM,
Visakhapatnam,
Visakhapatnam (Rural),
Taluka: Visakhapatnam (Rural),
District: VISAKHAPATNAM,
State: Andhra Pradesh
PIN: 530001**

विवरण
/Sub:

**Plot No, NA, VISAKHAPATNAM, VISAKHAPATNAM, Visakhapatnam (Urban),
Taluka: Visakhapatnam (Urban), District: VISAKHAPATNAM, State: Andhra
Pradesh, PIN: 530011 में स्थित विद्यमान पेट्रोलियम वर्ग B,C अधिष्ठापन में अनुज्ञप्ति सं
P/HQ/AP/15/846 (P4309) के नवीकरण के संदर्भ में ।
Existing Petroleum Class B,C Installation at Plot No, NA, VISAKHAPATNAM,
VISAKHAPATNAM, Visakhapatnam (Urban), Taluka: Visakhapatnam (Urban),
District: VISAKHAPATNAM, State: Andhra Pradesh, PIN: 530011 - Licence No.
P/HQ/AP/15/846 (P4309) - Renewal regarding.**

प्रति
/Sir(s).

कृपया आपके पत्र क्रमांक OIN1789207 दिनांक 22/10/2024 का अवलोकन करें ।

Please refer to your letter No.: OIN1789207, dated 22/10/2024

अनुज्ञप्ति संख्या P/HQ/AP/15/846 (P4309) दिनांक 14/11/1990 को दिनांक 31/12/2029 तक
नवीनीकृत कर इस पत्र के साथ अग्रित की जा रही है ।

Licence No. P/HQ/AP/15/846 (P4309) dated 14/11/1990 is forwarded herewith
duly renewed upto 31/12/2029.

कृपया पेट्रोलियम नियम 2002 के अधीन बनाए गए नियम 148 में दी गई प्रक्रिया का कड़ाई से पालन करें ।

अनुज्ञप्ति के नवीकरण हेतु समस्त दस्तावेजों को अनुज्ञप्ति की वैधता समाप्त होने की तिथि से कम से कम 30
दिन पूर्व कार्यालय को प्रेषित करें ।

Please follow the procedure strictly as laid down in rule 148 of the Petroleum Rules,
2002 and submit complete documents for the Renewal of the licence so as to reach
this office on or before the date on which Licence expires.

कृपया पावती दें।

Please acknowledge the receipt.

भवदीय /Yours faithfully,

((ज.सकर))

(J. Sackar))

उप मुख्य विस्फोटक नियंत्रक
Dy. Chief Controller of Explosives
विसाखपट्टनम/Visakhapatnam

Note:- This is system generated document does not require signature.

(अधिक जानकारी जैसे आवेदन की स्थिति, शुल्क तथा अन्य विवरण के लिए हमारी वेबसाइट : <http://peso.gov.in> देखें)

(For more information regarding status, fees and other details please visit our website: <http://peso.gov.in>)

Government of Andhra Pradesh

A.P. State Disaster Response and Fire Services Department

No Objection Certificate for Occupancy

To
The District Industrial Center,
Visakhapatnam
Sir/Madam,

File No: 20042/VSP/MSB/2023

Date: 15/11/2023

Sub: Andhra Pradesh State Disaster Response and Fire Services Department - No Objection Certificate for Occupancy to the existing / newly constructed Multi Storeyed Building (Coromandel International Limited, Visakhapatnam) NAGARAJU D, Coromandel International Limited Sriharipuram - Regarding.

Ref: 1. Online Application Dt. 04-11-2023, NAGARAJU D, Coromandel International Limited Sriharipuram
2. Online Inspection Report submitted by Officers of this Department on 18-10-2023.

-- X --

It is to inform that NAGARAJU D applied for No Objection Certificate on 04-11-2023 for Occupancy to the existing / newly constructed Multi Storeyed Building for Coromandel International Limited, Visakhapatnam at Coromandel International Limited Sriharipuram. The officers of the department have scrutinized the information, documents and plans submitted by the applicant along with the undertaking provided by the applicant, and have submitted the following report.

Fire Station

2. The builder has constructed a Multi Storeyed Building with Ground Floor with a height of 4.5 Mtrs for Industrial Occupancy (Category - G1) in a total plot area of 1214100.00 sq. meters.
3. The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

4. The builder has constructed following means of escape:

Sl	Details of Staircases	Provided Nos / Meters
1	Internal Staircases	0 No. - 0.00 Meters
2	External Staircases	0 No. - 0.00 Meters
Total		0 Meters

5. The builder has proposed to provide Occupant Load :

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided (Meters)
1.	Ground Floor	113.5	Industrial	11	11	0.11	0.00
	Total	113.5		11			

6. The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per PNO	Provided
1	Fire Extinguishers	1 Nos.	1 Nos.
2	Hose Reel Systems	1 Nos.	0 Nos.
3	Terrace Tank	20000 Ltrs	20000 Ltrs
4	Booster Pump		
5	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl
1	Ground Floor	1/1	1/0				-/-	-/-	-/-					
	Total	1/1	1/0	-/-	-/-	-/-	0/0	0/0	0/0	-/-	20000 Ltrs / 20000 Ltrs	450 LPM / 450 LPM	-/-	-/-

- Provide ABC 5 kg/6 kg fire extinguishers

Sulphuric Acid Tank

2. The builder has constructed a Multi Storeyed Building with Ground Floor with a height of 13.25 Mtrs for Industrial Occupancy (Category - G3) in a total plot area of 1214100.00 sq. meters.

3. The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

4. The builder has constructed following means of escape:

Sl	Details of Staircases	Provided Nos / Meters
2	Internal Staircases	0 No. - 0.00 Meters
3	External Staircases	0 No. - 0.00 Meters
	Total	0 Meters

5. The builder has proposed to provide Occupant Load :

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided (Meters)
1	Ground Floor	3354.4	Industrial	335	335	3.35	0.00
	Total	3354.4		335			

6. The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per PNOC	Provided
1	Fire Extinguishers	34 Nos.	34 Nos.
2	Hose Reel Systems	7 Nos.	0 Nos.
3	Wet Riser	7 Nos (For Each Floor)	7 Nos (For Each Floor)
4	Yard Hydrants	YH_30_YH	YH_30_YH
5	Automatic Sprinkler System	373 Nos.	0 Nos.
6	Automatic Detection & Alarm System	60 Nos.	0 Nos.
7	Underground Tank	150000 Ltrs	150000 Ltrs
8	Terrace Tank	20000 Ltrs	20000 Ltrs
9	Fire Pump	Note-11	Note-11
10	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl
1	Ground Floor	34 / 34	7 / 0				373 / 0	4 / 0	60 / 0					
	Total	34 / 34	7 / 0	7 Nos (For Each Floor) / 7 Nos (For Each Floor)	- / -	YH_30_YH / YH_30_YH	373 / 0	4 / 0	60 / 0	150000 Ltrs / 150000 Ltrs	20000 Ltrs / 20000 Ltrs	Note-11 / Note-11	- / -	- / -

- Wet Riser / Down Comer - 100mm with single outlet landing valves.
- In addition to above ABC 5 kg/6 kg fire extinguisher, provide 50 litre water CO2 / 25 kg ABC fire extinguisher for every 100 m2 of floor area.
- Provide 1 Yard Hydrant for every 30 mts of Travel Distance along the Perimeter.
- Note II: Provide required number of sets of pumps each consisting of 2 Electric and 1 Diesel Pump (standby) of capacity 2280 Litres/min and two Electric Pump of Capacity 180 Litres/min.

Technical Building

2. The builder has constructed a Multi Storeyed Building with Ground Floor + One Upper Floor with a height of 9 Mts for Industrial Occupancy (Category - G2) in a total plot area of 1214100.00 sq. meters.

3. The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

4. The builder has constructed following means of escape:

Sl	Details of Staircases	Provided Nos / Meters
3	Internal Staircases	1 No. - 1.50 Meters
4	External Staircases	1 No. - 1.50 Meters
	Total	3 Meters

5. The builder has proposed to provide Occupant Load :

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided (Meters)
1	Ground Floor	415	Industrial	41	41	0.41	3.00
2	First Floor	415	Industrial	41	41	0.41	3.00
	Total	830		82			

6. The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per PNOC	Provided
1	Fire Extinguishers	10 Nos.	10 Nos.
2	Hose Reel Systems	2 Nos.	2 Nos.
3	Automatic Sprinkler System	71 Nos.	71 Nos.
4	Terrace Tank	20000 Ltrs	20000 Ltrs
5	Booster Pump	900	900
6	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

Sl	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl
1	Ground Floor	5/5	1/1				36/36	--/--	--/--					
2	First Floor	5/5	1/1				35/35	--/--	--/--					
	Total	10/10	2/2	--/--	--/--	--/--	71/71	0/0	0/0	--/--	20000 Ltrs / 20000 Ltrs	--/--	900 / 900	--/--

- Provide ABC 5 kg/6 kg fire extinguishers

Center of Excellence Building (COE)

2. The builder has constructed a Multi Storeyed Building with Ground Floor + One Upper Floor with a height of 9 Mtrs for Industrial Occupancy (Category - G2) in a total plot area of 1214100.00 sq. meters.

Side	Open Space Required as per I19 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

SI	Details of Staircases	Provided Nos / Meters
4	Internal Staircases	1 No. - 1.50 Meters
5	External Staircases	1 No. - 1.50 Meters
	Total	3 Meters

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the bulider	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided(Meters)
1	Ground Floor	462	Industrial	46	46	0.46	3.00
2	First Floor	462	Industrial	46	46	0.46	3.00
	Total	924		92			

Sl	Fire Safety System	Proposed as per PNOC	Provided
1	Fire Extinguishers	10 Nos.	10 Nos.
2	Hose Reel Systems	2 Nos.	2 Nos.
3	Automatic Sprinkler System	78 Nos.	78 Nos.
4	Terrace Tank	20000 Ltrs	20000 Ltrs
5	Booster Pump	900	900
6	Additional Fire Safety measures		

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl.
1	Ground Floor	5/5	1/1				39/39	-/-	-/-					
2	First Floor	5/5	1/1				39/39	-/-	-/-					
	Total	10 /10	2/2	-/-	-/-	-/-	78/78	0/0	0/0	-/-	20000 Ltrs /20000 Ltrs	-/-	900 /900	-/-

Desalination Plant

2. The builder has constructed a Multi Storeyed Building with Ground Floor with a height of 9 Mtrs for Industrial Occupancy (Category - G2) in a total plot area of 1214100.00 sq. meters.

3. The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

4. The builder has constructed following means of escape:

Sl	Details of Staircases	Provided Nos / Meters
5	Internal Staircases	0 No. - 0.00 Meters
6	External Staircases	0 No. - 0.00 Meters
Total		0 Meters

5. The builder has proposed to provide Occupant Load :

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided (Meters)
1	Ground floor	5400	Industrial	540	540	5.40	0.00
Total		5400		540			

6. The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per PNOC	Provided
1	Fire Extinguishers	54 Nos.	54 Nos.
2	Hose Reel Systems	11 Nos.	0 Nos.
3	Wet Riser	11 Nos (For Each Floor)	11 Nos (For Each Floor)
4	Yard Hydrants	YH_45_YH	YH_45_YH
5	Automatic Sprinkler System	450 Nos.	0 Nos.
6	Automatic Detection & Alarm System	96 Nos.	0 Nos.
7	Underground Tank	150000 Ltrs	150000 Ltrs
8	Terrace Tank	20000 Ltrs	20000 Ltrs
9	Fire Pump	Note-11	Note-11
10	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

Sl	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Additional
1	Ground floor	54 / 54	11 / 0				450 / 0	6 / 0	96 / 0					

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Corner	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl
	Total	54 /54	11 /0	11 Nos (For Each Floor) /11 Nos (For Each Floor)	- /-	YH_45 _YH /YH_45 _YH	450 /0	6 /0	96 /0	150000 Ltrs /150000 Ltrs	20000 Ltrs /20000 Ltrs	Note- 11 /Note- 11	- /-	- /-

Wet Riser / Down Corner - 100mm with single outlet landing valves.

- Provide ABC 5 kg/6 kg fire extinguishers
- Provide 1 Yard Hydrant for every 45 mts of Travel Distance along the Perimeter.
- Note 11: Provide required number of sets of pumps each consisting of 2 Electric and 1 Diesel Pump (standby) of capacity 2280 Litres/min and two Electric Pump of Capacity 180 Litres/min.

HSD Area & Air Compressor Shed

2. The builder has constructed a Multi Storeyed Building with Ground Floor with a height of 5.4 Mtrs for Industrial Occupancy (Category - G3) in a total plot area of 1214100.00 sq. meters.

3. The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

4. The builder has constructed following means of escape:

Sl	Details of Staircases	Provided Nos / Meters
6	Internal Staircases	0 No. - 0.00 Meters
7	External Staircases	0 No. - 0.00 Meters
	Total	0 Meters

5. The builder has proposed to provide Occupant Load :

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided(Meters)
1	Ground Floor	554.34	Industrial	55	55	0.55	0.00
	Total	554.34		55			

6. The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per PNOC	Provided
1	Fire Extinguishers	8 Nos.	8 Nos.

Sl	Fire Safety System	Proposed as per PNOC	Provided
2	Hose Reel Systems	2 Nos.	0 Nos.
3	Wet Riser	2 Nos (For Each Floor)	2 Nos (For Each Floor)
4	Yard Hydrants	YH_30_YH	YH_30_YH
5	Automatic Sprinkler System	62 Nos.	0 Nos.
6	Automatic Detection & Alarm System	10 Nos.	0 Nos.
7	Underground Tank	150000 Ltrs	150000 Ltrs
8	Terrace Tank	20000 Ltrs	20000 Ltrs
9	Fire Pump	Note-11	Note-11
10	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl.
1	Ground Floor	8 / 8	2 / 0				62 / 0	1 / 0	10 / 0					
	Total	8 / 8	2 / 0	2 Nos (For Each Floor) / 2 Nos (For Each Floor)	- / -	YH_30_YH / YH_30_YH	62 / 0	1 / 0	10 / 0	150000 Ltrs / 150000 Ltrs	20000 Ltrs / 20000 Ltrs	Note-11 / Note-11	- / -	- / -

- Wet Riser / Down Comer - 100mm with single outlet landing valves.
- In addition to above ABC 5 kg/6 kg fire extinguisher, provide 50 litre water CO2 /25 kg ABC fire extinguisher for every 100 m2 of floor area.
- Provide 1 Yard Hydrant for every 30 mts of Travel Distance along the Perimeter.
- Note 11: Provide required number of sets of pumps each consisting of 2 Electric and 1 Diesel Pump (standby) of capacity 2280 Litres/min and two Electric Pump of Capacity 180 Litres/min.

TG 3 & TG 3 Cooling Tower

- The builder has constructed a Multi Storeyed Building with Ground Floor + One Upper Floor with a height of 8.75 Mtrs for Industrial Occupancy (Category - G2) in a total plot area of 1214100.00 sq. meters.
- The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

- The builder has constructed following means of escape:

Sl	Details of Staircases	Provided Nos / Meters
7	Internal Staircases	1 No. - 1.50 Meters
8	External Staircases	1 No. - 1.50 Meters
	Total	3 Meters

5. The builder has proposed to provide Occupant Load :

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided(Meters)
1	Ground floor	1632	Industrial	163	163	1.63	3.00
2	First Floor	805.7	Industrial	80	80	0.80	3.00
	Total	2437.7		243			

6. The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per PNOG	Provided
1	Fire Extinguishers	26 Nos.	26 Nos.
2	Hose Reel Systems	6 Nos.	6 Nos.
3	Wet Riser	4 Nos (For Each Floor)	4 Nos (For Each Floor)
4	Yard Hydrants	YH_45_YH	YH_45_YH
5	Automatic Sprinkler System	204 Nos.	204 Nos.
6	Manually Operated Electric Fire Alarm System	3 Nos.	3 Nos.
7	Automatic Detection & Alarm System	45 Nos.	45 Nos.
8	Underground Tank	150000 Ltrs	150000 Ltrs
9	Terrace Tank	20000 Ltrs	20000 Ltrs
10	Fire Pump	Note-11	Note-11
11	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

Sl	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl
1	Ground floor	17 /17	4 /4				136 /136	2 /2	30 /30					
2	First Floor	9 /9	2 /2				68 /68	1 /1	15 /15					

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A.P. State Disaster Response and Fire Services Department

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl
				4 Nos (For Each Floor)		YH_45 _YH /YH_45 _YH					20000 Ltrs	Note- 11		
	Total	26 /26	6 /6	14 Nos (For Each Floor)	- /-		204 /204	3 /3	45 /45	150000 Ltrs /150000 Ltrs	20000 Ltrs /20000 Ltrs	Note- 11	- /-	- /-

- WetRiser / DownComer - 100mm with single outlet landing valves.
- Provide ABC 5 kg/6 kg fire extinguishers
- Provide 1 Yard Hydrant for every 45 mts of Travel Distance along the Perimeter.
- Note 11: Provide required number of sets of pumps each consisting of 2 Electric and 1 Diesel Pump (standby) of capacity 2280 Litres/min and two Electric Pump of Capacity 180 Litres/min.

Cooling Tower

2. The builder has constructed a Multi Storeyed Building with Ground Floor with a height of 10.9 Mtrs for Industrial Occupancy (Category - G1) in a total plot area of 1214100.00 sq. meters.

3. The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

4. The builder has constructed following means of escape:

Sl	Details of Staircases	Provided Nos / Meters
8	Internal Staircases	0 No. - 0.00 Meters
9	External Staircases	0 No. - 0.00 Meters
	Total	0 Meters

5. The builder has proposed to provide Occupant Load :

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided(Meters)
1	Ground Floor	1595.8	Industrial	159	159	1.59	0.00
	Total	1595.8		159			

6. The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per PNOG	Provided
1	Fire Extinguishers	8 Nos.	8 Nos.
2	Hose Reel Systems	4 Nos.	0 Nos.

Sl	Fire Safety System	Proposed as per PNOC	Provided
3	Down Comer	4 Nos (For Each Floor)	4 Nos (For Each Floor)
4	Terrace Tank	25000 Ltrs	25000 Ltrs
5	Booster Pump	450 LPM	450 LPM
6	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl
1	Ground Floor	8 / 8	4 / 0				-- / --	-- / --	-- / --					
	Total	8 / 8	4 / 0	-- / --	4 Nos (For Each Floor) / 4 Nos (For Each Floor)	-- / --	0 / 0	0 / 0	0 / 0	-- / --	25000 Ltrs / 25000 Ltrs	-- / --	450 LPM / 450 LPM	-- / --

- Provide ABC 5 kg/6 kg fire extinguishers
- Wet Riser / Down Comer - 100mm with single outlet landing valves.

Acid Section

2. The builder has constructed a Multi Storeyed Building with Ground Floor + 3 Upper Floors with a height of 7 Mtrs for Industrial Occupancy (Category - G3) in a total plot area of 1214100.00 sq. meters.

3. The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

4. The builder has constructed following means of escape:

Sl	Details of Staircases	Provided Nos / Meters
9	Internal Staircases	1 No. - 1.50 Meters
10	External Staircases	1 No. - 1.50 Meters
	Total	3 Meters

5. The builder has proposed to provide Occupant Load :

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided (Meters)
1	Ground Floor	1885.93	Industrial	188	188	1.88	3.00
2	First Floor	463.54	Industrial	46	46	0.46	3.00
3	Second Floor	463.54	Industrial	46	46	0.46	3.00
4	Third Floor	163.11	Industrial	16	16	0.16	3.00
	Total	2976.12		296			

6. The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per PNOC	Provided
1	Fire Extinguishers	31 Nos.	31 Nos.
2	Hose Reel Systems	7 Nos.	0 Nos.
3	Wet Riser	4 Nos (For Each Floor)	4 Nos (For Each Floor)
4	Yard Hydrants	YH_30_YH	YH_30_YH
5	Automatic Sprinkler System	333 Nos.	0 Nos.
6	Manually Operated Electric Fire Alarm System	5 Nos.	0 Nos.
7	Automatic Detection & Alarm System	55 Nos.	0 Nos.
8	Underground Tank	150000 Ltrs	150000 Ltrs
9	Terrace Tank	20000 Ltrs	20000 Ltrs
10	Fire Pump	Note-11	Note-11
11	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

Sl	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl
1	Ground Floor	19 / 19	4 / 0				210 / 0	2 / 0	34 / 0					
2	First Floor	5 / 5	1 / 0				52 / 0	1 / 0	9 / 0					
3	Second Floor	5 / 5	1 / 0				52 / 0	1 / 0	9 / 0					
4	Third Floor	2 / 2	1 / 0				19 / 0	1 / 0	3 / 0					

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Add
	Total	31 /31	7 /0	4 Nos (For Each Floor) /4 Nos (For Each Floor)	-- /--	YH_30 _YH /YH_30 _YH	333 /0	5 /0	55 /0	150000 Ltrs /150000 Ltrs	20000 Ltrs /20000 Ltrs	Note- 11 /Note- 11	-- /--	-- /--

- WetRiser / DownComer - 100mm with single outlet landing valves.
- In addition to above ABC 5 kg/6 kg fire extinguisher, provide 50 litre water CO2 /25 kg ABC fire extinguisher for every 100 m2 of floor area.
- Provide 1 Yard Hydrant for every 30 mts of Travel Distance along the Perimeter.
- Note 11: Provide required number of sets of pumps each consisting of 2 Electric and 1 Diesel Pump (standby) of capacity 2280 Litres/min and two Electric Pump of Capacity 180 Litres/min.

Molten Sulphur Tanks

2. The builder has constructed a Multi Storeyed Building with Ground Floor with a height of 11.4 Mtrs for Industrial Occupancy (Category - G3) in a total plot area of 1214100.00 sq. meters.

3. The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

4. The builder has constructed following means of escape:

Sl	Details of Staircases	Provided Nos / Meters
10	Internal Staircases	0 No. - 0.00 Meters
11	External Staircases	0 No. - 0.00 Meters
	Total	0 Meters

5. The builder has proposed to provide Occupant Load :

Si	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided(Meters)
1	Ground Floor	1144.8	Industrial	114	114	1.14	0.00
	Total	1144.8		114			

6. The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per PNOC	Provided
1	Fire Extinguishers	12 Nos.	12 Nos.

Sl	Fire Safety System	Proposed as per PNOC	Provided
2	Hose Reel Systems	3 Nos.	0 Nos.
3	Wet Riser	3 Nos (For Each Floor)	3 Nos (For Each Floor)
4	Yard Hydrants	YH_30_YH	TH_30 ^{sc} _YH
5	Automatic Sprinkler System	128 Nos.	128 Nos.
6	Automatic Detection & Alarm System	21 Nos.	21 Nos.
7	Underground Tank	150000 Ltrs	150000 Ltrs
8	Terrace Tank	20000 Ltrs	20000 Ltrs
9	Fire Pump	Note-11	Note-11
10	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

Sl	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl
1	Ground Floor	12 /12	3 /0				128 /128	3 /3	21 /21					
	Total	12 /12	3 /0	3 Nos (For Each Floor) / 3 Nos (For Each Floor)	-- / --	YH_30_YH /YH_30_YH	128 /128	3 /3	21 /21	150000 Ltrs /150000 Ltrs	20000 Ltrs /20000 Ltrs	Note-11 /Note-11	-- / --	-- / --

- WetRiser / DownComer - 100mm with single outlet landing valves.
- In addition to above ABC 5 kg/6 kg fire extinguisher, provide 50 litre water CO2 /25 kg ABC fire extinguisher for every 100 m2 of floor area.
- Provide 1 Yard Hydrant for every 30 mts of Travel Distance along the Perimeter.
- Note 11: Provide required number of sets of pumps each consisting of 2 Electric and 1 Diesel Pump (standby) of capacity 2280 Litres/min and two Electric Pump of Capacity 180 Litres/min.

Control Room

- The builder has constructed a Multi Storeyed Building with Ground Floor + One Upper Floor with a height of 12 Mtrs for Industrial Occupancy (Category - G2) in a total plot area of 1214100.00 sq. meters.
- The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

- The builder has constructed following means of escape:

Sl	Details of Staircases	Provided Nos / Meters
11	Internal Staircases	1 No. - 1.50 Meters
12	External Staircases	1 No. - 1.50 Meters
	Total	3 Meters

5. The builder has proposed to provide Occupant Load :

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided (Meters)
1	Ground Floor	676.8	Industrial	67	67	0.67	3.00
2	First Floor	676.8	Industrial	67	67	0.67	3.00
	Total	1353.6		134			

6. The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per PNOC	Provided
1	Fire Extinguishers	14 Nos.	14 Nos.
2	Hose Reel Systems	4 Nos.	4 Nos.
3	Down Comer	2 Nos (For Each Floor)	2 Nos (For Each Floor)
4	Automatic Sprinkler System	114 Nos.	114 Nos.
5	Manually Operated Electric Fire Alarm System	2 Nos.	2 Nos.
6	Automatic Detection & Alarm System	26 Nos.	26 Nos.
7	Terrace Tank	50000 Ltrs	50000 Ltrs
8	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting Installations as per Table 7 of Part - 4 of NBC of India 2016.

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl.
1	Ground Floor	7/7	2/2				57/57	1/1	13/13					
2	First Floor	7/7	2/2				57/57	1/1	13/13					
	Total	14/14	4/4	--/--	2 Nos (For Each Floor) 2 Nos (For Each Floor)	--/--	114/114	2/2	26/26	--/--	50000 Ltrs /50000 Ltrs	--/--	Note-11 /Note-11	--/--

- Provide ABC 5 kg/6 kg fire extinguishers
- WetRiser / DownComer - 100mm with single outlet landing valves.

Gas Section

2. The builder has constructed a Multi Storeyed Building with Ground Floor + 2 Upper Floors with a height of 11 Mtrs for Industrial Occupancy (Category - G3) in a total plot area of 1214100.00 sq. meters.

3. The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

4. The builder has constructed following means of escape:

Sl	Details of Staircases	Provided Nos / Meters
12	Internal Staircases	0 No. - 0.00 Meters
13	External Staircases	1 No. - 1.50 Meters
	Total	1.5 Meters

5. The builder has proposed to provide Occupant Load :

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided(Meters)
1	Ground Floor	1629.7	Industrial	162	162	1.62	1.50
2	First Floor	124.5	Industrial	12	12	0.12	1.50
3	Second Floor	124.5	Industrial	12	12	0.12	1.50
	Total	1878.7		186			

6. The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per PNOG	Provided
1	Fire Extinguishers	25 Nos.	25 Nos.
2	Hose Reel Systems	6 Nos.	0 Nos.
3	Wet Riser	4 Nos (For Each Floor)	4 Nos (For Each Floor)
4	Yard Hydrants	YH_30_YH	YH_30_YH
5	Automatic Sprinkler System	209 Nos.	0 Nos.
6	Manually Operated Electric Fire Alarm System	3 Nos.	0 Nos.
7	Automatic Detection & Alarm System	35 Nos.	0 Nos.
8	Underground Tank	150000 Ltrs	150000 Ltrs
9	Terrace Tank	20000 Ltrs	20000 Ltrs
10	Fire Pump	Note-11	Note-11
11	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC

of India 2016.

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl
1	Ground Floor	17 /17	4 /0				181 /0	1 /0	29 /0					
2	First Floor	4 /4	1 /0				14 /0	1 /0	3 /0					
3	Second Floor	4 /4	1 /0				14 /0	1 /0	3 /0					
	Total	25 /25	6 /0	4 Nos (For Each Floor) /4 Nos (For Each Floor)	-- /--	YH_30 _YH /YH_30 _YH	209 /0	3 /0	35 /0	150000 Ltrs /150000 Ltrs	20000 Ltrs /20000 Ltrs	Note- 11 /Note- 11	-- /--	-- /--

Wet Riser / Down Comer - 100mm with single outlet landing valves.

- In addition to above ABC 5 kg/6 kg fire extinguisher, provide 50 litre water CO2 /25 kg ABC fire extinguisher for every 100 m2 of floor area.
- Provide 1 Yard Hydrant for every 30 mts of Travel Distance along the Perimeter.
- Note 11: Provide required number of sets of pumps each consisting of 2 Electric and 1 Diesel Pump (standby) of capacity 2280 Litres/min and two Electric Pump of Capacity 180 Litres/min.

Sulphur Godown

- The builder has constructed a Multi Storeyed Building with Ground Floor with a height of 12 Mtrs for Industrial Occupancy (Category - G3) in a total plot area of 1214100.00 sq. meters.
- The builder has provided open spaces all around the building

Side	Open Space Required as per 119 APBR 2016	Open Space Provided by the Builder
North	3 Meters	6.00 Meters
East	5 Meters	6.00 Meters
South	5 Meters	6.00 Meters
West	5 Meters	6.00 Meters

- The builder has constructed following means of escape:

Sl	Details of Staircases	Provided Nos / Meters
13	Internal Staircases	0 No. - 0.00 Meters
14	External Staircases	0 No. - 0.00 Meters
	Total	0 Meters

- The builder has proposed to provide Occupant Load :

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided (Meters)
1	Ground Floor	1431.3	Industrial	143	143	1.43	0.00

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases Required (Meters)	Aggregate width of Staircases Provided (Meters)
	Total	1431.3		143			

6. The minimum Fire Fighting Installations required and provided as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Proposed as per PNOC	Provided
1	Fire Extinguishers	15 Nos.	15 Nos.
2	Hose Reel Systems	3 Nos.	0 Nos.
3	Wet Riser	3 Nos (For Each Floor)	3 Nos (For Each Floor)
4	Yard Hydrants	YH_30_YH	YH_30_YH
5	Automatic Sprinkler System	160 Nos.	160 Nos.
6	Automatic Detection & Alarm System	26 Nos.	0 Nos.
7	Underground Tank	150000 Ltrs	150000 Ltrs
8	Terrace Tank	20000 Ltrs	20000 Ltrs
9	Fire Pump	Note-11	Note-11
10	Additional Fire Safety measures		

7. The builder has provided the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Down Comer	Yard Hydrants	Sprinklers	MCP	Auto. Det.	Underground Tank	Terrace Tank	Fire Pump	Booster Pump	Addl
1	Ground Floor	15 / 15	3 / 0				160 / 160	3 / 3	26 / 0					
	Total	15 / 15	3 / 0	3 Nos (For Each Floor) / 3 Nos (For Each Floor)	-- / --	YH_30_YH / YH_30_YH	160 / 160	3 / 3	26 / 0	150000 Ltrs / 150000 Ltrs	20000 Ltrs / 20000 Ltrs	Note-11 / Note-11	-- / --	-- / --

- Wet Riser / Down Comer - 100mm with single outlet landing valves.
- In addition to above ABC 5 kg/6 kg fire extinguisher, provide 50 litre water CO2 / 25 kg ABC fire extinguisher for every 100 m2 of floor area.
- Provide 1 Yard Hydrant for every 30 mts of Travel Distance along the Perimeter.
- Note 11: Provide required number of sets of pumps each consisting of 2 Electric and 1 Diesel Pump (standby) of capacity 2280 Litres/min and two Electric Pump of Capacity 180 Litres/min.

8. The Officers of the department have recommended to issue The No Objection Certificate for Occupancy of MSB Industrial Building (G1) belonging to NAGARAJU D Coromandel International Limited Sriharipuram, subject to the following conditions.

The No Objection Certificate for Occupancy is issued subject to the following conditions:

1. This NOC is issued only in the Fire Safety Point of View and this doesnot give the Applicant a right to claim ownership of the property.
2. All fire safety systems provided shall be maintained in trim working condition at all times.
3. All Security/ Maintenance personnel shall be trained on the usage of fire equipment provided.
4. Fire Drills shall be conducted once in every 3 months.
5. As per report of MSB Inspection committee; the NOC Committee has scrutinized the Inspection Committee Report along with Proposals and recommended for issuance of No Objection Certificate for Occupancy subject to the following Conditions.

Sl	As Builder	As Occupant	As Security Personnel
1	All the fire protection arrangements shall be maintained in good condition as seen during inspection.	All the escape/exit routes shall not be kept locked/blocked or encroached	All the occupants must know the correct method of operation of the fire fighting system installed.
2	Any loss of life or property due to non-functioning of fire safety measures and other installations shall be the responsibility of the management.	All occupants shall be trained to operate the fire safety equipments during emergency.	Mock drills should be conducted once in 3 months for initial two years. Thereafter, once in every 6 months.
3	Addition / alteration, if any in the building may be verified by building authority.	Mock drills should be conducted once in 3 months for initial two years. Thereafter, once in every 6 months.	All security personnel shall be trained to operate the fire safety equipments during emergency.
4	This No objection Certificate for occupancy is valid for one year from the date of issue of this letter	Raise the alarm if the fire cannot be controlled; Evacuate the area completely at once from nearest safe exit.	Attack the fire using available fire equipment only if you feel capable of controlling. If not, take all steps to isolate the area by closing doors and windows.

6. This No Objection Certificate for Occupancy is valid for a period of Two(02) years only from the date of issue of this letter. It is the responsibility of the builder to apply for Renewal of No Objection Certificate for Occupancy, duly remitting the User Charges as per G.O.Ms.No.71, Home (Prison-A) Department, dated 01-04-2010 and G.O.Ms.No.140, Home (Prison & Fire) Department, dated.04-09-2015, before expiry of this No Objection Certificate.

9. The following deficiencies are identified by the officers of the department and need to be attended to by the management.

In view of the above, as per the recommendations of the NOC Committee, the No Objection Certificate for Occupancy is hereby issued to the Newly constructed Multi Storcyed Building subject to the above conditions.

Your Sincerely,



Director General

State Disaster Response & Fire Services
Andhra Pradesh, Vijayawada

Copy to NAGARAJU D, The management of Coromandel International Limited, Visakhapatnam,
HQEsXMryLJZfe8msZ8HAnRgxXMDA3aU7EsGu97DaPmT7

Copy to Chief Office for Record Purpose

Copy to Regional Fire Officer concerned

11/15/23, 4:30 PM

A.P. State Disaster Response and Fire Services Department

Copy to District Fire Officer concerned

Copy to Assistant District Fire Officer concerned



भारत सरकार / Government of India
वाणिज्य और उद्योग मंत्रालय / Ministry of Commerce & Industry
पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन / Petroleum & Explosives Safety Organisation (PESO)
द्वार नंबर 7-20-13, किरलपुडी लेआउट
विशाखापट्टनम - 530017

Door No. 7-20-13, Kirlampudi Layout, Visakhapatnam - 530017

ईमेल / E-mail : dyccevizag@explosives.gov.in

दूरभाष / Phone / Fax No : 0891-2722257

दिनांक / Dated : 05/07/2022

सं / No : G/SZ/AP/06/7522(G83926)

सेवा में / To,

M/s. COROMANDEL INTERNATIONAL LIMITED,
Post Box No. 1116,
Malkapuram Post
Village/Town: SRIHARIPURAM,
City: Visakhapatnam (Urban),
Taluka: Visakhapatnam (Urban),
District: VISAKHAPATNAM
State: Andhra Pradesh
Pin : 530011

5 JUL 2022

विषय / Sub : Survey No: Sy. No. 4 - 9(Old) / 17 (New), Sriharipuram, Visakhapatnam, Village/Town: Gullapalem, City: Visakhapatnam (Urban), Taluka: Visakhapatnam (Urban), District: VISAKHAPATNAM, State: Andhra Pradesh, Pin : 530011 - में सिलेंडरों में LPG गैस का भंडारण- गैस सिलेंडर नियम, 2016 के फॉर्म एफ के अंतर्गत - निरीक्षण एवं अनुमति का प्रमाणिकन करने के बारे में / Storage of LPG in cylinders at Survey No: Sy. No. 4 - 9(Old) / 17 (New), Sriharipuram, Visakhapatnam, Village/Town: Gullapalem, City: Visakhapatnam (Urban), Taluka: Visakhapatnam (Urban), District: VISAKHAPATNAM, State: Andhra Pradesh, Pin : 530011 - cover under Licence G/SZ/AP/06/7522(G83926) granted in Form F of Gas Cylinders Rules, 2016 - Inspection & Endorsement of licence regarding.

महोदय / Sir
(s),

कृपया इस कार्यालय के दि. 03/06/2022 के ज्ञापन सं G/SZ/AP/06/7522(G83926) और दि. 11/06/2022 को उपरोक्त परिसर का अधोहस्ताक्षरकर्ता इस कार्यालय के अधिकारी द्वारा की गई निरीक्षण का अवलोकन करें / Please refer to the this office Memo No : G/SZ/AP/06/7522(G83926) dated 03/06/2022 and inspection of the above premises by the undersigned /an officer of this office on 11/06/2022

The subject licence is returned herewith duly endorsed. The receipt of the licence may please be acknowledged.

कृपया नोट करें कि गैस सिलेंडर नियम, 2016 के नियम 55(5) के अनुसार, अनुमति के पुनः नवीकरण हेतु आवेदन this office कार्यालय को इस अनुमति की वैधता समाप्त होने के पूर्व (दिनांक 30 सितम्बर 2026 को या इससे पूर्व) जमा कर दें। दिनांक 30 सितम्बर 2026 के पश्चात परंतु दिनांक 30 सितम्बर 2027 से पूर्व प्राप्त नवीनीकरण आवेदन, गैस सिलेंडर नियम, 2016 के नियम 55(7) के अनुसार वित्त शुल्क के साथ ही विचारणीय होगा। दिनांक 30 सितम्बर 2027 तक कोई नवीनीकरण आवेदन प्राप्त नहीं होने की स्थिति में यह अनुमति स्वतः निरस्त हो जाएगी। / Please note that your application for further renewal should reach this office on or before 30th September, 2026 along with all the documents as required under Rule 55(5) of Gas Cylinders Rules, 2016. Application for renewal of licence received after 30th September, 2026 but not later than 30th September, 2027 be considered only with penalty fee vide rule 55(7) (a)(b) of said Rules. The licence will automatically expire if no application is received upto 30th September, 2027.

भवदीय / Yours faithfully,

(एम.जी.तिवरे)
(M G Titre)

उप मुख्य विस्फोटक नियंत्रक
Dy. Chief Controller of Explosives
विशाखापट्टनम / Visakhapatnam

[अधिक जानकारी जैसे आवेदन की स्थिति, शुल्क तथा अन्य विवरण के लिए कृपया हमारी वेबसाइट <http://peso.gov.in> देखें।]
(For more information regarding status, fees and other details please visit our website <http://peso.gov.in>)

Note:-This is system generated document does not require physical signature.

Inspected & Endorsed

By C.C.E., VSKP 07/2022



फॉर्म F / FORM F

नियम 50, 51 और 54 देखें (See Rules 50, 51 and 54)
Licence to store compressed gas in cylinders

अनुज्ञापिका संख्या / Licence No.: G/SZ/AP/06/7522(G83926)

वार्षिक शुल्क / Fee Rs. 2000/- per year

M/s. COROMANDEL INTERNATIONAL LIMITED, Post Box No. 1116, Malkapuram Post, Village/Town: SRIHARIPURAM, City: Visakhapatnam (Urban), Taluka: Visakhapatnam (Urban), District: VISAKHAPATNAM, State: Andhra Pradesh, Pin: 530011 को नीचे वर्णित और रेखांकित संख्या G/SZ/AP/06/7522(G83926) dated 03/06/2022 में दर्शाया गया है, में अवस्थित है और जिसमें एक भण्डारण शेड है। / The licensed premises, the layout boundaries and other particulars of which are shown in the attached approved plan No. G/SZ/AP/06/7522(G83926) dated 03/06/2022 subject to the provisions of the Explosives Act, 1884 (1884 का 4) और उसके अधीन बनाए गए नियमों के उपबंधों तथा इस अनुज्ञापिका की अन्य शर्तों के अधीन रहते हुए, केवल संपीड़ित गैस से भरे सिलिंडरों को रखने के लिए ही विधिवानुज्ञापिका दी जाती है। /

Licence is hereby granted to M/s. COROMANDEL INTERNATIONAL LIMITED, Post Box No. 1116, Malkapuram Post, Village/Town: SRIHARIPURAM, City: Visakhapatnam (Urban), Taluka: Visakhapatnam (Urban), District: VISAKHAPATNAM, State: Andhra Pradesh, Pin: 530011 valid only for the possession of cylinders filled with compressed gas in the licensed premises described below and shown in the plan No G/SZ/AP/06/7522(G83926) dated 03/06/2022 subject to the provisions of the Explosives Act, 1884 (1884 का 4) and the Rules made thereunder and to the further conditions of this licence.

यह अनुज्ञापिका 30 सितम्बर 2026 तक प्रवृत्त रहेगी। / The Licence shall remain in force till the 30th September 2026.

For Dy. Chief Controller of Explosives

Visakhapatnam

कृते उप मुख्य विस्फोटक नियंत्रक

विशालाक्षपट्टनम

June 3, 2022

अनुज्ञापित परिसर का विवरण और अवस्थिति / DESCRIPTION AND LOCATION OF THE LICENSED PREMISES

निम्नलिखित विवरण के अनुसार सिलेण्डरों में भरी गैस रखने के लिए अनुज्ञापित परिसर, जिसकी अभिव्यास सीमाओं और अन्य विशेषताओं को संलग्न अनुमोदित रेखांकित संख्या G/SZ/AP/06/7522 dated June 3, 2022 में दिखाया गया है, में अवस्थित है और जिसमें एक भण्डारण शेड है। / The licensed premises, the layout boundaries and other particulars of which are shown in the attached approved plan No. G/SZ/AP/06/7522 dated June 3, 2022 are situated at Gullapalem and consists of a storage shed for possession of the gas contained in cylinders as described here under:

गैस का प्रकार / Type of Gas	मात्रा / Quantity
a) विषैला / Toxic	-NIL-
b) गैर विषैला और गैर ज्वलनशील / Non-Toxic and Non Flammable	-NIL-
c) गैर विषैला और ज्वलनशील / Non-Toxic and Flammable	-NIL-
d) घुलित एसिटिलीन गैस Dissolved Acetylene Gas	-NIL-
e) एसपीजी के अलावा गैर विषैला और ज्वलनशील द्रवित गैस / Non-Toxic & Flammable liquefiable gas other than LPG	-NIL-
f) द्रवित पेट्रोलियम गैस / Liquefied Petroleum Gas	LPG - 870 Kgs.

और प्लॉट संख्या Survey No.: Sy. No. 4 - 9(Old) / 17 (New) गली का नाम गाँव : Gullapalem या नगर पुलिस थाना : Malkapuram जिला : VISAKHAPATNAM, राज्य : Andhra Pradesh.

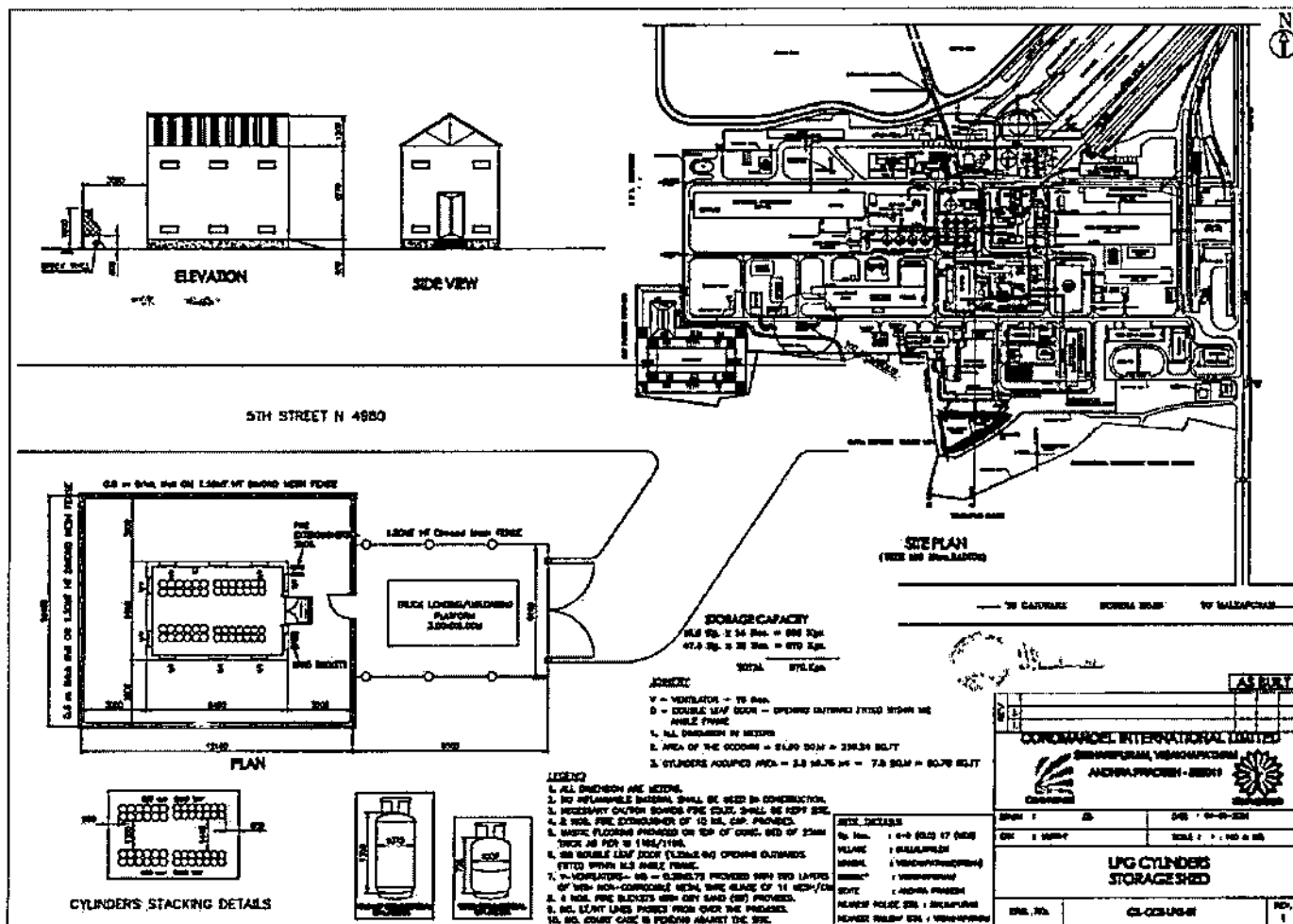
/ and is situated at Survey No.: Sy. No. 4 - 9(Old) / 17 (New) Village/Town : Gullapalem Police Station : Malkapuram District : VISAKHAPATNAM, State: Andhra Pradesh.

नवीकरण के पुनरांकन के लिए स्थान / SPACE FOR ENDORSEMENT OF RENEWALS

नवीकरण की तारीख / Date of Renewal	समाप्ति की तारीख / Date of Expiry	अनुज्ञापिका प्राधिकारी की हस्ताक्षर / Signature and stamp of the licensing authority
इस अनुज्ञापिका को, विस्फोटक अधिनियम, 1884 या उसके अधीन बनाए गए गैस सिलेण्डर नियम, 2016 के उपबंधों या इस अनुज्ञापिका की शर्तों का उल्लंघन न होने की दशा में, फीस में कोई छूट दिए बिना दस वर्ष तक नवीकरित किया जाएगा। / This licence shall be renewable without any concession in fee for ten years in the absence of contravention of the provision of the Explosives Act, 1884 or Gas Cylinders Rules, 2016, framed thereunder or of the conditions of the licence		

यदि अनुज्ञापित परिसर इससे उपाबद्ध विवरण और शर्तों के अनुरूप नहीं पाया जाता है और जिन नियमों और शर्तों के अधीन यह अनुज्ञापिका दी गई है, उनमें से किसी का उल्लंघन होता है तो यह अनुज्ञापिका रद्द की जा सकती है और अनुज्ञापिका धारक कारावास से, जिसकी अवधि दो वर्ष तक की हो सकती है, या जुर्माने से, जो तीन हजार रुपये तक का हो सकेगा, या दोनों से, दण्डनीय भी होगा। / This licence is liable to be cancelled if the licensed premises are not found conforming to the description and conditions attached hereto and contravention of any of the rules and conditions under which this licence is granted and the holder of this licence is also punishable with imprisonment for the term which may extend to two years or with fine which may extend to three thousand rupees or with both.

Note:-This is system generated document does not require physical signature.



Digitally signed by J SARKAR
 Reason: Licence No. : 0352/M/P/06/7522
 Location: Vazhappettanam (CG3026)
 Date: 2022.06.03 11:07:38 +0530

EHS/MoEF/2025-068

31/05/2025

To
The Director,
Regional Office (South Eastern Zone),
Ministry of Environment, Forests and Climate Change,
1st and 2nd Floor, Handloom Export Promotion Council,
34, Cathedral Garden Road,
Nungambakkam, Chennai-600034.

Dear Sir,

Sub: Half Yearly EC (Environment Clearance) Compliance Report- regd.

Ref: 1. F. No. J-11011/51/2016-IA. II(I) dated 14.07.2017
2. F. No. J-11011/51/2016-IA. II(I) dated 07.01.2021
3. F. No. J-11011/51/2016-IA. II(I) dated 27.06.2022

Please find the attached half yearly compliance report of Environment Clearance issued by MOEFCC for enhancement of Phosphoric Acid production (from 700 MTPD to 1000 MTPD) P2O5 and other auxiliary facilities within the existing Fertilizer Complex.

Period of submission : Oct'24 to Mar'25

Unit : Coromandel International Limited, Visakhapatnam

Thanking You,

For Coromandel International Limited



M. Gnanasundaram
VP – Head Manufacturing


NAG/DNR

Encl : a/a

CC: The Member Secretary, Head Office-APPCB, Vijayawada
Joint Chief Environmental Engineer, APPCB, Zonal Office, Visakhapatnam
Environmental Engineer, APPCB, Regional Office, Visakhapatnam

EHS2-Vizag-Coromandel

To: eccompliance-ap@gov.in; rovspappcb@gmail.com; zovspappcb@gmail.com
Cc: EHS2-Vizag-Coromandel; Nageswara Rao G-AsstMgr-EHS-Vizag-Coromandel;
Subhradip Mondal-Sr.Mgr-Environment-Fertiliser-Vizag-Coromandel; Nagaraju D-
AGM-EHS-Vizag-Coromandel; Vinod Kumar Mishra-Sr.GM-EHS-Vizag-Coromandel
Subject: RE: Half Yearly EC (Environment Clearance) Compliance Report- regd.

Dear Sir,

Ref: 1. F. No. J-11011/51/2016-IA. II(I) dated 14.07.2017
2. F. No. J-11011/51/2016-IA. II(I) dated 07.01.2021
3. F. No. J-11011/51/2016-IA. II(I) dated 27.06.2022

Please find the attached half yearly compliance report of Environment Clearance issued by MOEFCC for enhancement of Phosphoric Acid production (from 700 MTPD to 1000 MTPD) P2O5 and other auxiliary facilities within the existing Fertilizer Complex and "Change in location of new 1500 MTPD Sulphuric Acid (100%) Plant within the existing fertilizer complex" and "to add Desalination Plant with Capacity of 15 MLD".

Period of submission October -2024 to March-2025.
Unit : Coromandel International Limited, Visakhapatnam

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, Visakhapatnam

Compliance status of Environment clearance

1. F. No. J-11011/51/2016-IA. II(I) dated 14.07.2017
2. F. No. J-11011/51/2016-IA. II(I) dated 07.01.2021
3. F. No. J-11011/51/2016-IA. II(I) dated 27.06.2022

(For the period from Oct-2024 to March-2025)

Enhancement of Phosphoric Acid production (from 700 MTPD to 1000 MTPD) P_2O_5 and other auxiliary facilities within the existing Fertilizer Complex, Sriharipuram, Vishakhapatnam District, Andhra Pradesh by M/s Coromandel International Limited (Formerly M/s. Coromandel Fertilizer Limited) - Environmental Clearance –reg.

S.No.	Condition	Compliance
A. Specific Conditions:		
i.	Green Belt of 10 M wide (Perennial trees) to be developed in three sides of plant periphery totaling 145-acre area.	We have developed the green belts across the boundary walls. Photographs are attached in Enclosed in Annexure - 01. The existing green belt area (120 acres) is more than 33% of the requirement. However, the plantation efforts will be continued.
ii.	The present fresh water requirement is 8700 m ³ /day. Additional fresh water for the proposed enhancement is to be limited to 1650 m ³ /day. The total fresh water requirement post enhancement shall not exceed 10350 m ³ /day. The present sea water requirement for once through cooling is 63000 m ³ / day and the same will be increased post enhancement to 84600 m ³ / day.	Agreed. The project is completely implemented. The new water balance is limited to 10350 m ³ /day from GVMC and 6 MLD from the De-salination plant for which necessary approvals from concerned authorities are in place. Post de-salination plant the present seawater requirement is 91,600 KLD.
iii.	No ground water shall be used.	Existing water source is GVMC (local Municipal Body), no ground water source is used.
iv.	Post enhancement, the SO ₂ emissions from Sulphuric acid plant-1 and Sulphuric acid plant-2 shall be maintained at 1 kg/MT and 0.65 kg/ MT.	Noted & maintained
v.	Imported coal/ rice husk/bagasse fired	Complied.

Coromandel International Limited, Visakhapatnam

	boiler of 40 TPH will be installed with ESP and 56 m stack height with SO ₂ emissions limited to 1188 Kg/ day.	Coal fired boiler has been provided a stack of 56 mts in height.
vi.	Existing two no's of LSHS fired boilers will be kept on standby mode.	LSHS Fired boilers on standby only.
vii.	The gaseous emissions (SO ₂ , NO _x , NH ₃) and particulate matter from various process units shall conform to the norms prescribed by the CPCB/SPCB from time to time. At no time, the emission levels shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Stack emissions shall be monitored regularly.	<p>Complied.</p> <p>All the stacks are provided/attached with Scrubbers as detailed below:</p> <p>SAP Plants: Alkali scrubbers PAP Plant: Fumes scrubber & FRU unit Complex Stacks: 4 stage scrubbers New PAP units: Scrubbers kept in place. Ball Mill: Bag Filters kept in inline Coal Fired Boiler: ESP kept in Line. The emissions are maintained within the prescribed limits by CPCB/SPCB. Copy of the acknowledgment herewith is enclosed as Annexure - 2</p>
viii.	Ambient air quality data shall be collected as per NAAQS standards notified by the Ministry vide G.S.R. No. 826(E) dated 16 th September, 2009. The levels of PM ₁₀ , SO ₂ , NO _x , Ammonia, shall be monitored in the ambient air and displayed at a convenient location near the main gate of the company and at important public places. The company shall upload the results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the regional office of MOEF, the respective Zonal office of CPCB and the concerned State Pollution Control Board (SPCB).	<p>Complied</p> <p>We are conducting the Ambient Air Monitoring and checking as per the National Ambient Air quality standards notified by MoEF, Govt of India vide notification GSR 826 (E), dt 16.09.2009. We have provided display Board at main gate of the company.</p> <p>Monitoring reports are submitted to the concerned authorities. A copy of the acknowledgment herewith is enclosed as Annexure - 03</p>
IX.	No process effluent shall be discharged in and around the project site. Process effluents shall be treated in ETP. Sewage shall be treated in STP. Both treated sewage water and process effluents shall be recycled/reused within factory premises to achieve zero discharge except during the	<p>All the process effluent is being treated in ETP.</p> <p>Sewage treated in STP and treated water is being used for plantation</p>

Coromandel International Limited, Visakhapatnam

	rainy season.	
x.	Risk assessment plan to be prepared and implemented.	complied
xi.	In plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling & conveyance of chemicals/materials, multi cyclone separator and water sprinkling system. Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emissions should conform to the limits stipulated by the concerned SPCB.	<p>Complied.</p> <p>All the necessary precautions for closed transport of raw materials and operations will be implemented for limiting of fugitive emissions.</p> <p>Emissions are maintained within CPCB/SPCB prescribed limits. A copy of the third-party analysis reports herewith is enclosed as Annexure - 04</p>
xii.	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.	<p>Complied</p> <p>DGs are only on standby and an acoustic enclosure provided.</p>
xiii.	The company shall construct the garland drain all around the project site to prevent runoff of any chemicals containing waste into the nearby water bodies. Effluent shall be properly treated and treated wastewater shall conform to CPCB standards.	<p>Complied</p> <p>Garland drains have been provided. Effluent is being treated in ETP</p>
xiv.	The company shall obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous Waste (Management, Handling and Trans-Boundary Movement) Rules, 2008 and amended as on date for management of Hazardous wastes. Measures shall be taken for firefighting facilities in case of emergency.	<p>Complied.</p> <p>CFO has obtained Order No. APPCB/VSP/65/CFO/HO/1967 - 04/08/2023</p>
xv.	The by-products which fall under the purview of the Hazardous Waste Rules, be handled as per the provisions of the said Rules and necessary permissions shall be obtained under the said rules.	<p>Complied</p> <p>We will handle by-products that fall under the purview of the Hazardous Waste Rules in accordance with the provisions of these rules and obtain the necessary permissions as required.</p>
xvi.	Spent catalysts and used oil shall be sold to	Complied. As per the existing

Coromandel International Limited, Visakhapatnam

	authorized recyclers /re-processors only. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All Transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA),1989.	procedure, respective wastes are sent to authorized recyclers/PCB approved TSDFs.
xvii.	The company shall strictly follow all the recommendations mentioned in the Charter on Corporate Responsibility for Environmental Protection (CREP).	Complied
xviii.	All the commitments made during the Public Hearing/Public Consultation meeting held on 8th December, 2016 shall be satisfactorily implemented and adequate budget provision shall be made accordingly.	Noted and being followed.
xix.	Remote operated valve placed on NH3 line to avoid leakage/equipment check shall be performed to ensure that remote operated valve (ROV)is all time is functional.	Complied and PM schedule adhered
xx.	At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup/details shall be prepared and submitted to the Ministry's Regional Office at Bhopal. Implementation of such program shall be ensured accordingly in a time bound manner.	Complied. A copy of the submitted half-yearly CSR report is enclosed in Annexure – 05
XXI.	Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.	Complied and continued as per the Factories Act.
xxii.	Provision shall be made for the housing for the construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile sewage treatment plant, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the	Complied.

Coromandel International Limited, Visakhapatnam

	construction wastes shall be managed so that there is no impact on the surrounding environment.	
xxiii.	An Environment Cell will be set. up and a regular environmental manager having PG qualification in environmental sciences/environmental engineering to be appointed for looking after the environmental management practices in the plant.	Complied A separate environment management cell at the corporate level headed by AVP, HSE & A separate environment cell plant level headed by Plant EHS level are in place
	B. GENERAL CONDITIONS:	
i.	The project authorities must strictly adhere to the stipulations made by the state Pollution Control Board (SPCB), State Government and any other statutory authority.	Agreed.
ii.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Agreed.
iii.	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Complied We have installed 03 numbers of online ambient air monitoring stations and we have also monitored the ambient air through a third party at 05 Locations. The reports are submitted regularly.
iv.	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.	It is being Complied.
v.	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods,	Complied and noise levels are within the standards prescribed. A copy of the third-party noise monitoring reports herewith is

Coromandel International Limited, Visakhapatnam

	silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	enclosed as Annexure - 06
vi.	The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	complied
vii.	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Training is being imparted regularly to employees. Pre employment medical check is part of HR policy before joining. Annual medical checkup is being undertaken regularly for all the employees.
viii.	The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.	Complied
ix.	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.	Complied as per the submitted CSR plan A copy of the Half Yearly CSR report herewith is enclosed as Annexure - 05
x.	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Complied as per the submitted CSR plan A copy of the Half Yearly CSR report herewith is enclosed as Annexure - 05
xi.	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Complied A separate environment management cell at the corporate level headed by AVP, HSE & A separate environment cell plant level headed by Plant EHS

Coromandel International Limited, Visakhapatnam

		level are in place. We have engaged NABL & MoEFCC accredited Lab to carry out the Environmental monitoring regularly
xii.	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/pollution control measures shall not be diverted for any other purpose.	Complied
xiii.	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, ZilaParisad/ Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	Complied We have sent all copies to the concerned local authorities
xiv.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as bye-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six-monthly compliance status report shall be posted on the website of the company.	Complied Compliance reports are sent regularly and the same are uploaded to the company website. the company website link is www.coromandel.biz/sustainability com A copy of the submitted Half yearly is enclosed in Annexure – 07
xv.	The environmental statement for each financial year ending 31st March in Form-Vas is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent	Complied. The environmental statement for the year FY:2023-24 has been submitted on EHS/APPCB/2024-099, 27.09.2024 Copy of the acknowledgment herewith is enclosed as Annexure-08.

Coromandel International Limited, Visakhapatnam

	to the respective Regional Offices of MoEF by e-mail.	
xvi.	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at http://moef.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Complied
xvii.	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Complied. The projects were completed with the internal accruals.

Coromandel International Limited, Visakhapatnam

Compliance to Amended Environmental Clearance dated 07.01.2021

F. No. J-11011/51/2016-IA-II (I) dt 7th January 2021

Proposed setting up of new 1500 MTPD Sulphuric acid (100%) plant within the Existing Fertilizer Complex, for total Sulphuric acid production of 3600 MTPD at Sriharipuram, Vishakhapatnam district, Andhra Pradesh, without increase pollution load and total production of NP/NPK (3900 MTPD) and Phosphoric Acid (1400 MTPD) by M/s. Coromandel International Limited (Formerly M/s Coromandel Fertilizers limited).

Sl. No	Para of EC issued by MoEF&CC	Description/Conditions	Compliance
1	Subject	Proposed setting up of new 1500 MTPD Sulphuric acid (100%) plant within the Existing Fertilizer Complex, for total Sulphuric acid production of 3600 MTPD at Sriharipuram, Vishakhapatnam district, Andhra Pradesh, without increase pollution load and total production of NP/NPK (3900 MTPD) and Phosphoric Acid (1400 MTPD) by M/s. Coromandel International Limited (Formerly M/s Coromandel Fertilizers limited).	-
2	Point 2	The Ministry of Environment, Forests and Climate Change has examined the application. It is noted that proposal is for <u>setting up of new 1500 MTPD Sulphuric acid (100%) plant within the Existing Fertilizer Complex, for total Sulphuric acid production of 3600 MTPD at Sriharipuram, Vishakhapatnam district, Andhra Pradesh, without increase pollution load and total production of NP/NPK (3900 MTPD) and Phosphoric Acid (1400 MTPD) by M/s. Coromandel International Limited (Formerly M/s Coromandel Fertilizers limited)</u>	-
3	Point 3	Existing land area is <u>313 Acres</u> , of which 120 acres is developed as greenbelt. <u>Additional cost of the project is ~ 400 Crore.</u> The additional estimated cost of various environmental management programs in the proposed project is ~ 10 Cr which is	Agreed and noted for compliance

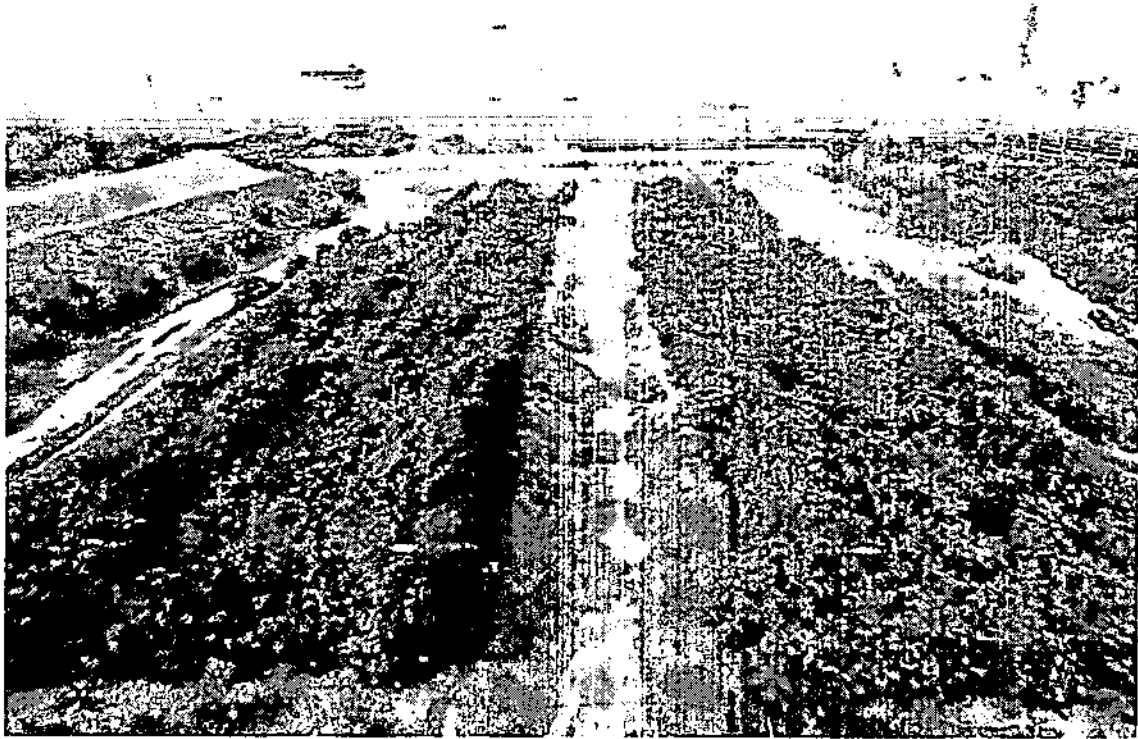
Coromandel International Limited, Visakhapatnam

		<p>around 2.5% of proposed Additional project cost. <u>In order to achieve consented production of 3900 MTPD NP/NPK production, the facility intends to adopt the following modifications and upgrades in the upstream of the complex fertilize manufacturing units:</u></p> <ul style="list-style-type: none"> • Installation of Additional 1500 MTPD of Sulphuric Acid production plant along with existing 2100 MTPD Sulphuric Acid Plant (SAP-1 (1700 MTPD) & SAP2 (400 MTPD)). Total production capacity of Sulphuric acid shall be 3600 MTPD • Use of low sulphur coal in coal fired boiler and optimizing operations of existing sulphuric acid plant – I and coal fired boiler for no change in SO₂ emission from the sanctioned emission load. • Existing Phosphoric acid plant with production capacity of 1400 MTPD • Provision of Sulfuric Acid storage capacity of 2 x 5000 MT + 2 X 12,500 MT +1500 MT along with existing storage capacity of 15,000 MT 	
4	Point 4	<p>Power requirement will be increased from <u>20 MW to 21 MW</u>. The facility has contracted grid power of 12 MW, 5 MW from APGPCL and in-house steam turbine capacity of 5MW. The net available power for the existing operation is in the order of 22 MW. Hence the available power is adequate to meet the total requirement of <u>21 MW</u> post enhancement.</p>	Agreed
5	Point para3 4	<p>Fresh water requirement will be increased from 10350 m³/day to 14550 m³/day, which will be sourced from Greater Vishakhapatnam Municipal Corporation (GVMC). Sea water consumption will be same i.e 84600 m³/ day.</p>	Agreed and noted for compliance

Coromandel International Limited, Visakhapatnam

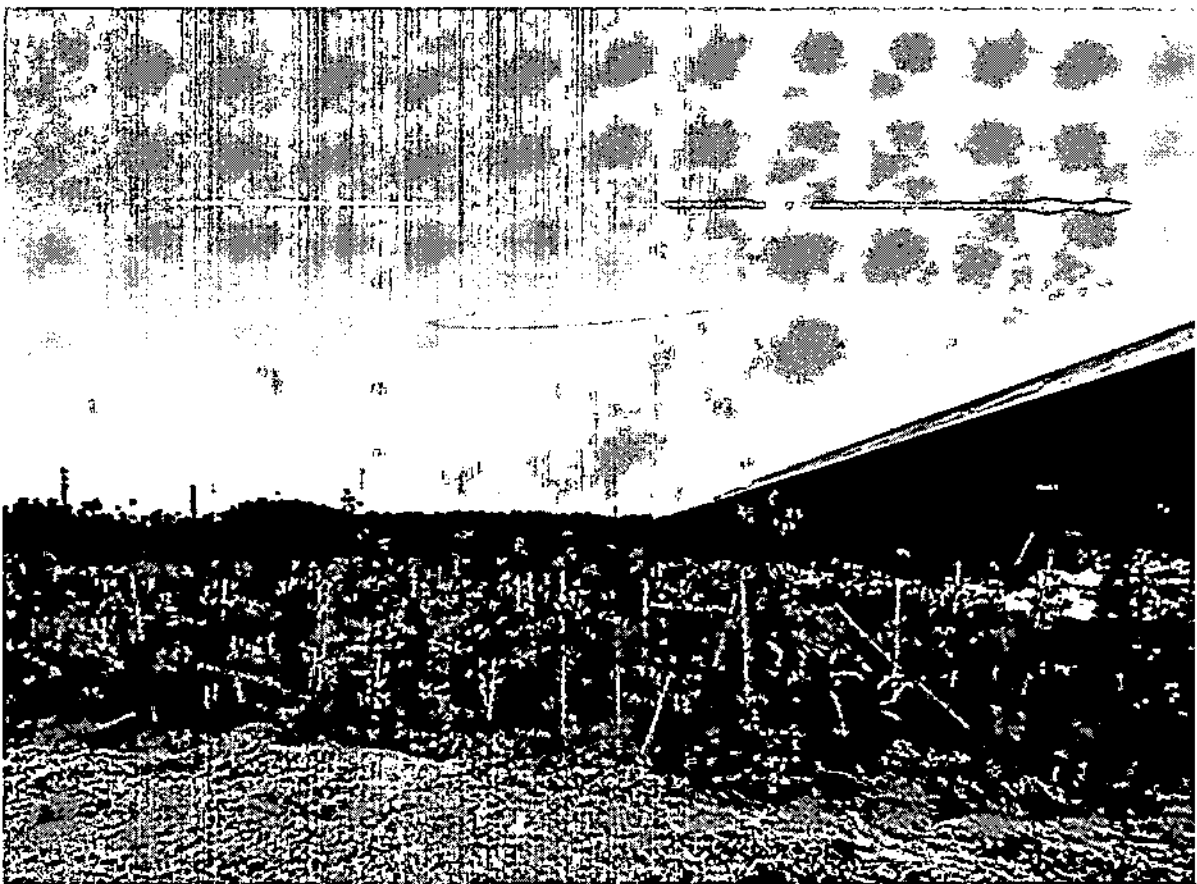
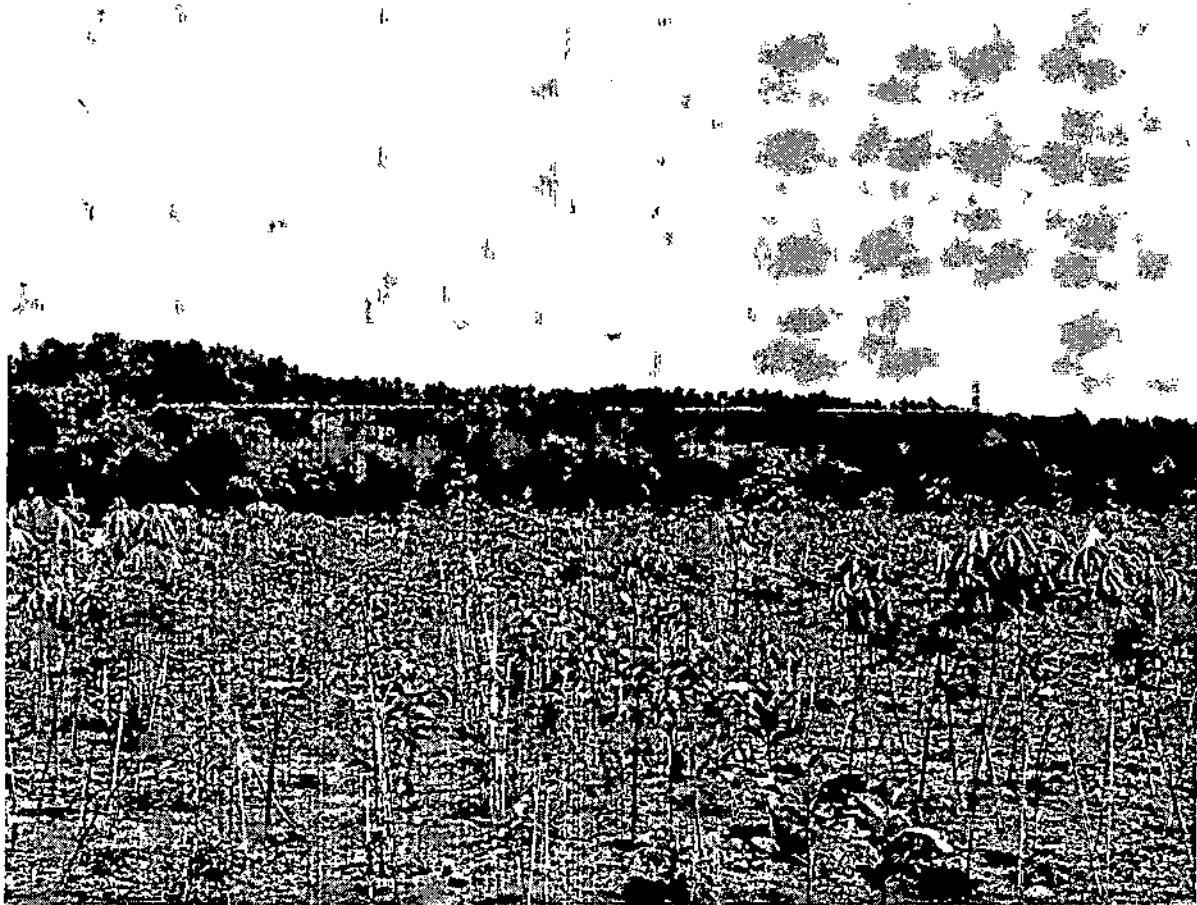
6	A-Specific Condition 1	Green Belt of 10 M wide (Perennial trees) to be developed in three sides of plant periphery totaling <u>120-acre area</u> .	Agreed. The existing green belt area is more than 33% of the requirement. However, the plantation efforts will be continued.
7	A-Specific Condition 1	The present freshwater requirement is <u>10350 m3/day</u> . Additional fresh water for the proposed enhancement will be <u>4200 m3/day</u> . The total freshwater requirement post enhancement shall not exceed <u>14550 m3/day</u> . The present sea water requirement for once through cooling will remain to be 84600 m3 / day.	Agreed
8	A-specific Condition 4	Post amendment, the SO2 emissions from Sulphuric acid plant-I and Sulphuric acid plant-2 shall be maintained at 0.8 kg/MT and 0.65 kg/ MT and in Sulphuric Acid Plant-3 shall be maintained at 0.75 kg/MT.	Noted and complying's

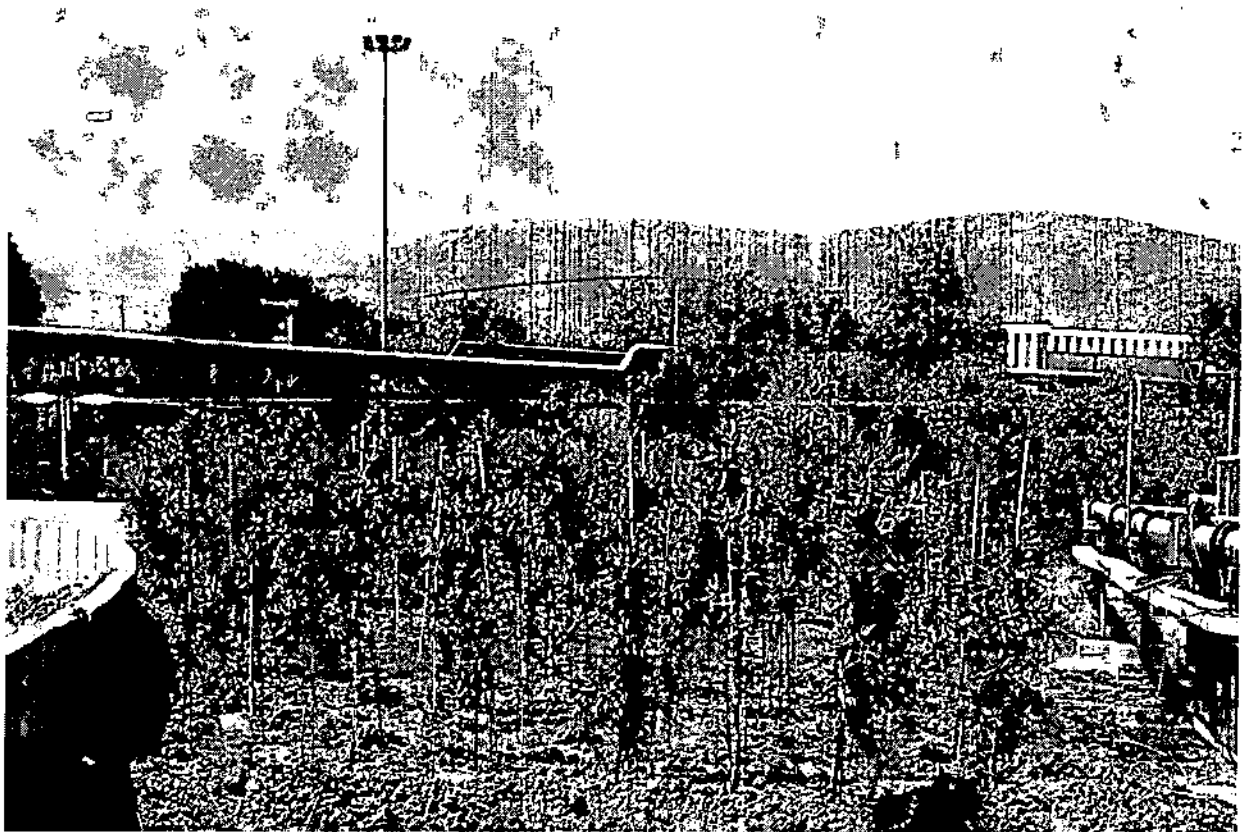
**COROMANDEL INTERNATIONAL LTD. VISAKHAPATNAM.
GREEN BELT PHOTOS**

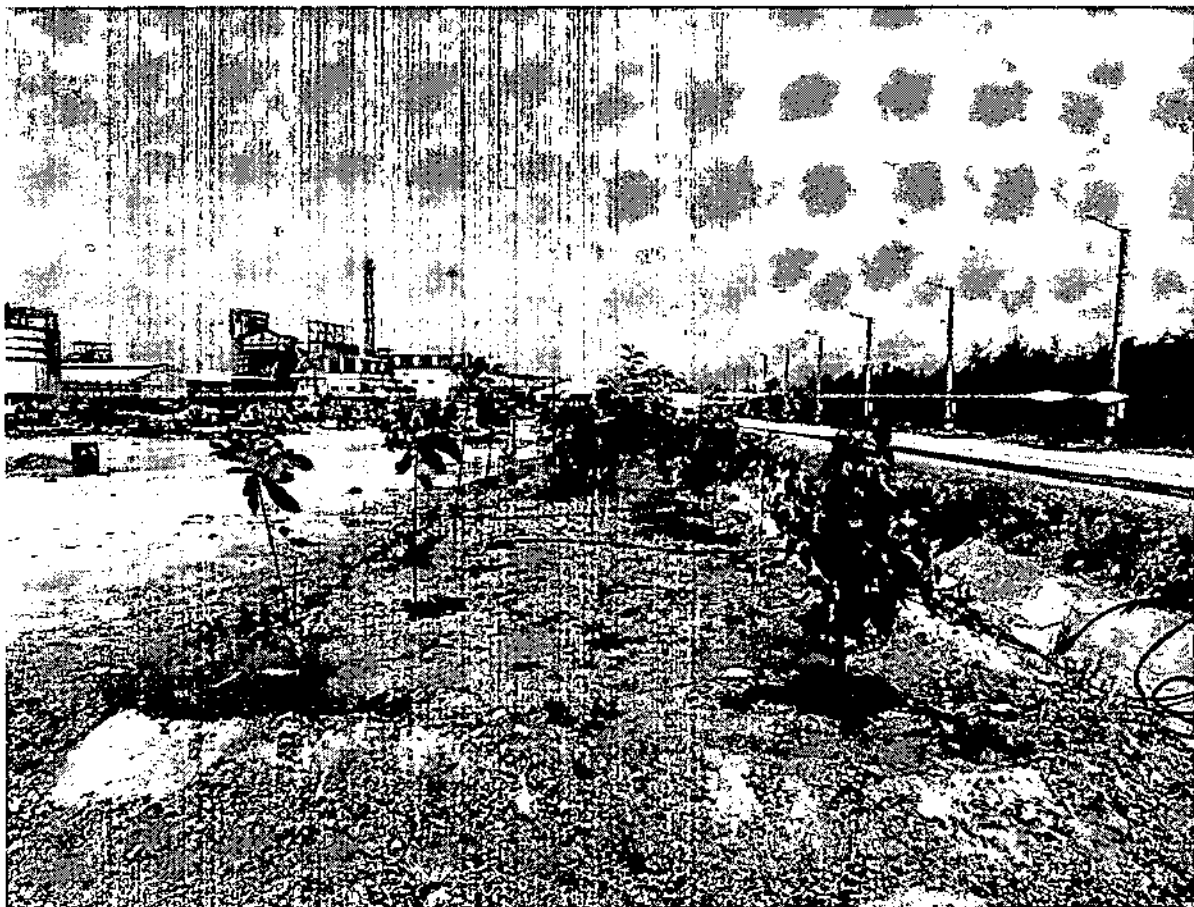
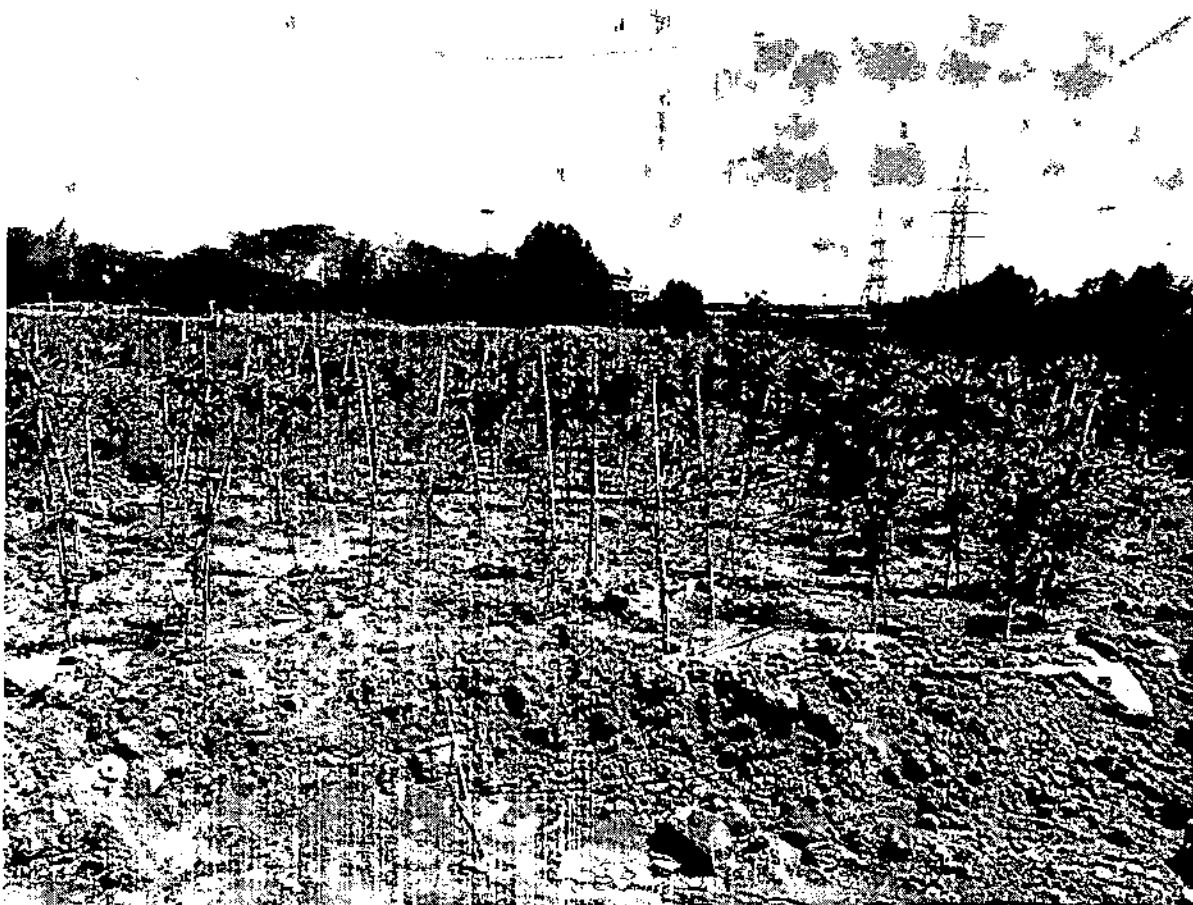














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TEAM**ORIGINAL**

Form-No. TCLA/GF/RF-138

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

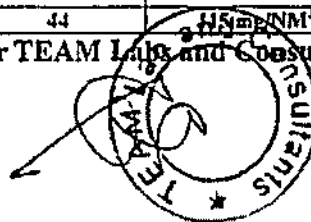
Laboratory Recognised by Ministry of Environment, Forests and Climate Change, Govt, New Delhi

NABL Accredited Laboratory

TEST REPORT

Test Report No	TLC/VI/Env/CIL/16/1024			dt.01.11.2024	
Description of Test	Source Emission Monitoring Inside the CIL				
Name of the client	Coromandel International Limited, Visakhapatnam				
Location of sampling	stacks attached to respective plants as per details given				
SOURCE/STACK EMISSION MONITORING FOR THE MONTH OF OCTOBER-2024					
S.No.	Stack attached to	Flow rate NM ³ /Hr	parameters	Conc. mg/NM ³	APPCB Standard Limit
1	Complex A	287637	Particulate matter	16	45 mg/NM ³
			Ammonia	58	165.0 mg/NM ³
			Fluoride	1.0	4.0 mg/NM ³
2	Complex B	267874	Particulate matter	17	45 mg/NM ³
			Ammonia	60	165.0 mg/NM ³
			Fluoride	1.2	4.0 mg/NM ³
3	Complex C	207978	Particulate matter	14	45 mg/NM ³
			Ammonia	44	165.0 mg/NM ³
			Fluoride	1.3	4.0 mg/NM ³
4	Sulphuric acid plant-I	99329	Sulphur dioxide	0.329Kg/MT (235mg/NM ³)	1 Kg/MT
			Sulphur trioxide	0.02Kg/MT (15mg/NM ³)	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
5	Sulphuric acid plant-II	29167	Sulphur dioxide	0.161Kg/MT (95mg/NM ³)	0.65 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
6	Phosphoric acid plant-1	133440	Particulate matter	30	50 mg/NM ³
			Fluoride	3.3	20 mg/NM ³
7	Rock grinding unit (N-1)PAAP1	7067	Particulate matter	40	50 mg/NM ³
			Total Fluoride	3.5	20 mg/NM ³
8	Rock grinding unit (N-3)PAAP2	7346	Particulate matter	38	50 mg/NM ³
			Total Fluoride	3.3	20 mg/NM ³
9	Wharf Boiler	10797	Particulate matter	47	115 mg/NM ³
10	Phosphoric acid plant-2	37268	Particulate matter	27	50 mg/NM ³
			Total Fluoride	3.7	20 mg/NM ³
11	Rock grinding unit (N-2)PAP1	6653	Particulate matter	44	50 mg/NM ³
			Total Fluoride	4.2	20 mg/NM ³
12	New SAP-3	50191	Sulphur dioxide	0.037Kg/MT (52mg/NM ³)	1 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
13	DG1	12077	Particulate matter	40	115 mg/NM ³
14	DG2	12030	Particulate matter	44	115 mg/NM ³

For TEAM Labs and Consultants



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Form-No. TCL/GE/RF-138,

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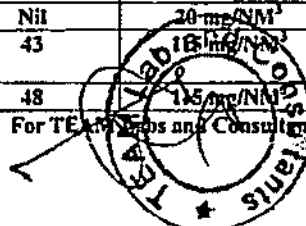
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Laboratory Recognised by Ministry of Environment, Forests and Climate Change, GoI, New Delhi
NABL Accredited Laboratory**TEST REPORT**

Test Report No	TLC/V/Env/CIL/16/1124	dt.02.12.2024			
Description of Test	Source Emission Monitoring inside the CIL				
Name of the client	Coromandel International Limited, Visakhapatnam				
Location of sampling	stacks attached to respective plants as per details given				
SOURCE/ STACK EMISSION MONITORING FOR THE MONTH OFNOVEMBER-2024					
S.No.	Stack attached to	Flow rate NM ³ /Hr	parameters	Conc. mg/NM ³	APPCB Standard Limit
1	Complex A	282609	Particulate matter	18	45 mg/NM ³
			Ammonia	62	165.0 mg/NM ³
			Fluoride	0.9	4.0 mg/NM ³
2	Complex B	257666	Particulate matter	18	45 mg/NM ³
			Ammonia	68	165.0 mg/NM ³
			Fluoride	1.0	4.0 mg/NM ³
3	Complex C	215727	Particulate matter	20	45 mg/NM ³
			Ammonia	48	165.0 mg/NM ³
			Fluoride	1.1	4.0 mg/NM ³
4	Sulphuric acid plant-I	97903	Sulphur dioxide	0.304Kg/MT (220mg/NM ³)	1 Kg/MT
			Sulphur trioxide	0.028Kg/MT (20mg/NM ³)	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
5	Sulphuric acid plant-II	26619	Sulphur dioxide	0.167Kg/MT (105mg/NM ³)	0.65 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
6	Phosphoric acid plant-1	131104	Particulate matter	28	50 mg/NM ³
			Fluoride	4.3	20 mg/NM ³
7	Rock grinding unit (N-1)PAAP1	6653	Particulate matter	42	50 mg/NM ³
			Total Fluoride	3.8	20 mg/NM ³
8	Rock grinding unit (N-3)PAAP2	7067	Particulate matter	35	50 mg/NM ³
			Total Fluoride	3.1	20 mg/NM ³
9	Wharf Boiler	10769	Particulate matter	42	115 mg/NM ³
10	Phosphoric acid plant-2	37794	Particulate matter	30	50 mg/NM ³
			Total Fluoride	3.9	20 mg/NM ³
11	Rock grinding unit (N-2)PAP1	6237	Particulate matter	47	50 mg/NM ³
			Total Fluoride	4.0	20 mg/NM ³
12	New SAP-3	47948	Sulphur dioxide	0.041Kg/MT (60mg/NM ³)	1 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
13	DG1	11426	Particulate matter	43	115 mg/NM ³
14	DG2	1180	Particulate matter	48	115 mg/NM ³

For TEAM Labs and Consultants



Labs and Consultants**Registered Office :**

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

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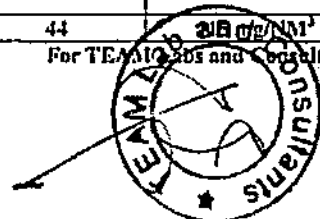
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TEST REPORT

Test Report No	TLCV/Env/CIL/17/1224			dt.31.12.2024	
Description of Test	Source Emission Monitoring inside the CIL				
Name of the client	Coromandel International Limited, Visakhapatnam				
Location of sampling	stacks attached to respective plants as per details given				
SOURCE/STACK EMISSION MONITORING FOR THE MONTH OF DECEMBER-2024					
S.No.	Stack attached to	Flow rate NM ³ /Hr	parameters	Conc. mg/NM ³	APPCB Standard Limit
1	Complex A	263985	Particulate matter	19	45 mg/NM ³
			Ammonia	80	165.0 mg/NM ³
			Fluoride	1.2	4.0 mg/NM ³
2	Complex B	252704	Particulate matter	20	45 mg/NM ³
			Ammonia	75	165.0 mg/NM ³
			Fluoride	1.3	4.0 mg/NM ³
3	Complex C	216128	Particulate matter	22	45 mg/NM ³
			Ammonia	65	165.0 mg/NM ³
			Fluoride	1.2	4.0 mg/NM ³
4	Sulphuric acid plant-I	96160	Sulphur dioxide	0.312Kg/MT (230mg/NM ³)	1 Kg/MT
			Sulphur trioxide	0.027Kg/MT (20mg/NM ³)	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
5	Sulphuric acid plant-II	29076	Sulphur dioxide	0.174Kg/MT (100mg/NM ³)	0.65 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
6	Phosphoric acid plant-1	127993	Particulate matter	34	50 mg/NM ³
			Fluoride	4.4	20 mg/NM ³
7	Rock grinding unit (N-1)PAAP1	6736	Particulate matter	40	50 mg/NM ³
			Total Fluoride	3.2	20 mg/NM ³
8	Rock grinding unit (N-3)PAAP2	7346	Particulate matter	37	50 mg/NM ³
			Total Fluoride	2.9	20 mg/NM ³
9	Wharf Boiler	6564	Particulate matter	44	115 mg/NM ³
10	Phosphoric acid plant-2	39914	Particulate matter	32	50 mg/NM ³
			Total Fluoride	3.5	20 mg/NM ³
11	Rock grinding unit (N-2)PAP1	6098	Particulate matter	46	50 mg/NM ³
			Total Fluoride	3.8	20 mg/NM ³
12	New SAP-3	46154	Sulphur dioxide	0.052Kg/MT (80mg/NM ³)	1 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
13	DG1	11117	Particulate matter	40	115 mg/NM ³
14	DG2	10985	Particulate matter	44	20 mg/NM ³

For TEAM Labs and Consultants



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Form-No. TCL/LGF/RF-138

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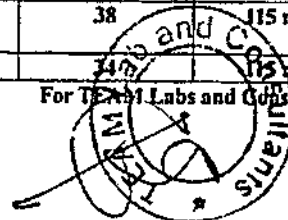
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TEST REPORT

Test Report No		TLC/V/Env/CIL/17/0125		dt.01.02.2025	
Description of Test		Source Emission Monitoring inside the CIL			
Name of the client		Coromandel International Limited, Visakhapatnam			
Location of sampling		stacks attached to respective plants as per details given			
SOURCE/ STACK EMISSION MONITORING FOR THE MONTH OF JANUARY-2025					
S.No.	Stack attached to	Flow rate NM ³ /Hr	parameters	Conc. mg/NM ³	APPCB Standard Limit
1	Complex A	258757	Particulate matter	21	45 mg/NM ³
			Ammonia	65	165.0 mg/NM ³
			Fluoride	1.0	4.0 mg/NM ³
2	Complex B	242206	Particulate matter	19	45 mg/NM ³
			Ammonia	90	165.0 mg/NM ³
			Fluoride	1.2	4.0 mg/NM ³
3	Complex C	213639	Particulate matter	18	45 mg/NM ³
			Ammonia	70	165.0 mg/NM ³
			Fluoride	1.4	4.0 mg/NM ³
4	Sulphuric acid plant- 1	93924	Sulphur dioxide	0.324Kg/MT (245mg/NM ³)	1 Kg/MT
			Sulphur trioxide	0.033Kg/MT (22mg/NM ³)	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
5	Sulphuric acid plant- II	26955	Sulphur dioxide	0.18Kg/MT (110mg/NM ³)	0.65 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
6	Phosphoric acid plant-1	128217	Particulate matter	32	50 mg/NM ³
			Fluoride	4.9	20 mg/NM ³
7	Rock grinding unit (N-1)PAAPI	6098	Particulate matter	44	50 mg/NM ³
			Total Fluoride	3.3	20 mg/NM ³
8	Rock grinding unit (N-3)PAAP2	6930	Particulate matter	36	50 mg/NM ³
			Total Fluoride	2.7	20 mg/NM ³
9	Wharf Boiler	9969	Particulate matter	42	115 mg/NM ³
10	Phosphoric acid plant-2	40898	Particulate matter	30	50 mg/NM ³
			Total Fluoride	3.0	20 mg/NM ³
11	Rock grinding unit (N-2)PAPI	5821	Particulate matter	45	50 mg/NM ³
			Total Fluoride	3.4	20 mg/NM ³
12	New SAP-3	43114	Sulphur dioxide	0.043Kg/MT (70mg/NM ³)	1 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
13	DG1	11296	Particulate matter	38	115 mg/NM ³
14	DG2	11079	Particulate matter		115 mg/NM ³

For TEAM Labs and Consultants



Labs and Consultants**Registered Office :**

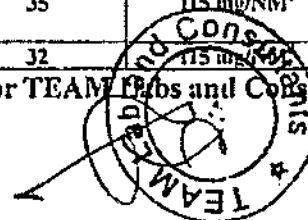
B-115, 116, 117 & 509, Annapoorna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.
Ph. : (O) 040-23748555 / 23748616, Fax : 040-23748666, Email : teamlabs@gmail.com

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NABL Accredited Laboratory (Certificate No. TC-12956)

TEST REPORT

Test Report No		TLC/V/Env/CIL/16/0225		dt.02.03.2025	
Description of Test		Source Emission Monitoring inside the CIL			
Name of the client		Coromandel International Limited, Visakhapatnam			
Location of sampling		stacks attached to respective plants as per details given			
SOURCE/ STACK EMISSION MONITORING FOR THE MONTH OF FEBRUARY-2025					
S.No.	Stack attached to	Flow rate NM ³ /Hr	parameters	Conc. mg/NM ³	APPCB Standard Limit
1	Complex A	237370	Particulate matter	19	45 mg/NM ³
			Ammonia	95	165.0 mg/NM ³
			Fluoride	1.1	4.0 mg/NM ³
2	Complex B	240222	Particulate matter	20	45 mg/NM ³
			Ammonia	85	165.0 mg/NM ³
			Fluoride	1.0	4.0 mg/NM ³
3	Complex C	220097	Particulate matter	17	45 mg/NM ³
			Ammonia	40	165.0 mg/NM ³
			Fluoride	1.9	4.0 mg/NM ³
4	Sulphuric acid plant- 1	95275	Sulphur dioxide	0.343Kg/MT (255mg/NM ³)	1 Kg/MT
			Sulphur trioxide	0.041Kg/MT (30mg/NM ³)	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
5	Sulphuric acid plant- II	25839	Sulphur dioxide	0.16Kg/MT (100mg/NM ³)	0.65 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
6	Phosphoric acid plant-1	134404	Particulate matter	41	50 mg/NM ³
			Fluoride	4.7	20 mg/NM ³
7	Rock grinding unit (N-1)PAAP1	5960	Particulate matter	42	50 mg/NM ³
8	Rock grinding unit (N-3)PAAP2	6791	Total Fluoride	3.2	20 mg/NM ³
			Particulate matter	46	50 mg/NM ³
9	Wharf Boiler	9143	Total Fluoride	4.3	20 mg/NM ³
			Particulate matter	42	115 mg/NM ³
10	Phosphoric acid plant-2	41772	Particulate matter	37	50 mg/NM ³
			Total Fluoride	3.4	20 mg/NM ³
11	Rock grinding unit (N-2)PAAP1	6098	Particulate matter	48	50 mg/NM ³
			Total Fluoride	3.9	20 mg/NM ³
12	New SAP-3	-----	Sulphur dioxide	-	1 Kg/MT
			Sulphur trioxide	-	0.35 Kg/MT
			Acid mist	-	20 mg/NM ³
13	DG1	11186	Particulate matter	35	115 mg/NM ³
14	DG2	11161	Particulate matter	32	115 mg/NM ³

For TEAM Labs and Consultants



TEAM**ORIGINAL**

Form-No. TCL/JG/IRF-138

Labs and Consultants**Registered Office :**

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TEST REPORT

Test Report No	TLCN/Env/CIL/17/0325			dt.31.03.2025	
Description of Test	Source Emission Monitoring inside the CIL				
Name of the client	Coromandel International Limited, Visakhapatnam				
Location of sampling	stacks attached to respective plants as per details given				
SOURCE/STACK EMISSION MONITORING FOR THE MONTH OF MARCH-2025					
S.No.	Stack attached to	Flow rate NM ³ /hr	parameters	Conc. mg/NM ³	APPCB Standard Limit
1	Complex A	269152	Particulate matter	18	45 mg/NM ³
			Ammonia	78	165.0 mg/NM ³
			Fluoride	1.3	4.0 mg/NM ³
2	Complex B	247360	Particulate matter	16	45 mg/NM ³
			Ammonia	55	165.0 mg/NM ³
			Fluoride	1.1	4.0 mg/NM ³
3	Complex C	221396	Particulate matter	15	45 mg/NM ³
			Ammonia	45	165.0 mg/NM ³
			Fluoride	1.5	4.0 mg/NM ³
4	Sulphuric acid plant-I	99750	Sulphur dioxide	0.338Kg/MT (270mg/NM ³)	1 Kg/MT
			Sulphur trioxide	0.041Kg/MT (35mg/NM ³)	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
5	Sulphuric acid plant-II	25242	Sulphur dioxide	0.17Kg/MT (110mg/NM ³)	0.65 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
6	Phosphoric acid plant-I	134965	Particulate matter	44	50 mg/NM ³
			Fluoride	4.9	20 mg/NM ³
7	Rock grinding unit (N-1)PAP1	6376	Particulate matter	43	50 mg/NM ³
			Total Fluoride	3.3	20 mg/NM ³
8	Rock grinding unit (N-3)PAP2	6653	Particulate matter	44	50 mg/NM ³
			Total Fluoride	4.1	20 mg/NM ³
9	Wharf Boiler	8906	Particulate matter	47	115 mg/NM ³
10	Phosphoric acid plant-2	41774	Particulate matter	39	50 mg/NM ³
			Total Fluoride	3.6	20 mg/NM ³
11	Rock grinding unit (N-2)PAP1	6237	Particulate matter	40	50 mg/NM ³
			Total Fluoride	3.0	20 mg/NM ³
12	New SAP-3	44056	Sulphur dioxide	0.051Kg/MT (80mg/NM ³)	1 Kg/MT
			Sulphur trioxide	Nil	0.35 Kg/MT
			Acid mist	Nil	20 mg/NM ³
13	DG1	11117	Particulate matter	39	115 mg/NM ³
14	DG2	10369	Particulate matter	40	115 mg/NM ³





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

EMS/APPCB/2025 - 050

25-04-2025

To,

The Inspector General of Forests,
 Ministry of Environment, Forest and Climate Change,
 Integrated Regional Office, Green House,
 Gopala Reddy Road, Vijayawada - 520010

Dear Sir,

Sub: Submission of AAQM online data for the last Six months, Coromandel International Limited,
 Visakhapatnam -Reg.

Ref - EC COMPLEX PAP (F.No. J-11011/388/2006-1A (II), Dated 18th May 2007

This is bringing to your kind information that in reference to the EC COMPLEX PAP (F. No. J-11011/388/2006-1A (II), dated 18th May 2007, we are pleased to submit the online data from the Ambient Air Quality Monitoring System (AAQMS) for the last Six months of the October - 2024 to March - 2025. The details are enclosed in the Annexure - I.

This is for your kind information & Records

Thanking you,

Yours faithfully,

for Coromandel International Limited

Gnanasundaram M
 Vice President & Head Mfg.

NAE/DNR

Enclosure: Annexure - I - AAQMS online data for the last six months.
 Copy to: RO, APPCB, Visakhapatnam

RM893520624IN TUR:9278673520624
 EL MALKAPURAM S.D (530011)
 Counter No:1.26/04/2025.11:48
 To:THE INSPECTOR,M&E FAC
 PIN:520010, Venkateswarapuram S.D
 From:COROMANDEL, SRINIPURAM
 Ut:140rs.FEG-17.0
 Amt:25.96.Tax:3.96.Amt.Paid:26.00(Cash)



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 : malk@coromandel.murugappa.com



CAAQM Six Monthly Average (October - 2024 to March - 2025)																
Annex e - 1																
APCB Limit	CAAQM - Maintenance Gauge						CAAQM - Bagging - Plant						CAAQM - Shared Service Center			
	Limit 100	Limit 80	Limit 60	Limit 40	Limit 20	Limit 10	Limit 100	Limit 80	Limit 60	Limit 40	Limit 20	Limit 10	Limit 100	Limit 80	Limit 60	Limit 40
	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³
Parameters	PM10	PM2.5	SO2	NH3	NOx	NH3	PM10	PM2.5	SO2	NOx	NH3	PM10	PM2.5	SO2	NOx	NH3
Oct'24	43.33	16.26	24.06	8.76	11.99	20.48	46.37	20.35	35.01	9.35	6.99	52.16	32.4	32.19	13.69	3.21
Nov'24	43.13	21.08	29.41				50.61	21.51	20.54	7.55	6.92	74.21	34.75	36.06	19.26	5.33
Dec'24	45.5	18.4	33.45	14.93	18.46		35.3	21.27	18.39	7.89	6.87	47.28	30.73	39.95	21.82	3.48
Jan'25	47.77	13.85	22.11	14.72		14.36	54.63	19.39	23.28	8.95	6.84	40.98	27.78	25	19.6	3.48
Feb'25	50.47	24.45	20.91	13.2	19.04		53.3	18	24.47	7.71	6.92	36.17	20.03	18.41	15.02	2.97
Mar'25	27.69	14.64	24.02	11.45	17.43		30.53	11.86	25.8	6.68	6.96	23.56	12.96	9.77	13.63	2.79
Avg	42.98	18.11	25.66	12.51	16.97		45.12	18.74	24.54	8.02	6.92	45.73	26.44	26.56	17.17	3.71

TEAM**ORIGINAL**

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Labs and Consultants**Registered Office :**

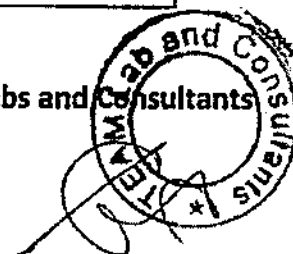
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Ph. : (O) 040-23748555 / 23748616, Fax . 040-23748666, Email : teamlabs@gmail.com

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/33/1024		dt.01.11.2024	
Description of Test		Fugitive Emissions at workplace-SPM			
Name of the client		Coromandel International Limited, Visakhapatnam			
Location of sampling		As provided below			
Period of Collection		OCTOBER-2024			
Duration of sampling		8 hr.			
Protocol		ISS182 Part 23			
S No.	Plant/Department	Location/area	Result SPM mg/m3	Time weighted average concentration 8 hr. allowed per OSHA For total dust	
1	A-TRAIN	Near granulator	1.6	15.0 mg/m3	
		Bins area	1.7		
		Screen Section	1.9		
		Recycle Conveyor	1.6		
2	B-TRAIN	Near granulator	1.8		
		Bins area	1.4		
		Screen Section	1.5		
		Recycle Conveyor	1.9		
3	C-TRAIN	Near granulator	2.2		
		Bins area	2.0		
		Screen Section	2.1		
		Recycle Conveyor	2.0		
4	PAP - I	Reactor area (PAP-I)	1.5		
		Dust Bins area (PAP-I)	1.6		
		Head drum area (PAP-I)	1.7		
		RG-I (OBM)	1.9		

For TEAM Labs and Consultants



TEAMORIGINAL

Form-No. TCL/LJGF/RF-138

Labs and Consultants**Registered Office :**

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NABL Accredited Laboratory

TEST REPORT

Test Report No		TLC/V/Env/CIL/33A/1024		dt.01.11.2024
Description of Test		Fugitive Emissions at workplace-SPM		
Name of the client		Coromandel International Limited, Visakhapatnam		
Location of sampling		As provided below		
Period of Collection		OCTOBER-2024		
Duration of sampling		8 hr.		
Protocol		IS5182 Part 23		
S No.	Plant/Department	Location/area	Result SPM mg/m ³	Time weighted average concentration 8 hr allowed per OSHA For total dust
5	PAP - 2	Reactor area (PAP-2)	1.3	15.0 mg/m ³
		Dust Bins area (PAP-1)	1.6	
		Head drum area (PAP-1)	1.9	
		RG-2 (OBM)	1.4	
6	SAP- 1,2,3	Melter Area (SAP-1)	2.1	
		Rock Feeding Area (SAP-1)	2.1	
		RMH Area (SAP-1)	1.9	
		Melter Area (SAP-1)	1.7	
		Rock Feeding Area (SAP-2)	2.0	
		RMH Area (SAP-2)	2.1	
		Melter Area (SAP3)	2.2	
		Rock Feeding Area (SAP-3)	1.8	
		RMH Area (SAP-3)	1.4	

For TEAM Labs and Consultants



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TEST REPORT

Test Report No		TLC/V/Env/CIL/33B/1024		dt.01.11.2024	
Description of Test		Fugitive Emissions at workplace-SPM			
Name of the client		Coromandel International Limited, Visakhapatnam			
Location of sampling		As provided below			
Period of collection		OCTOBER-2024			
Duration of sampling		8 hr.			
Protocol		IS5182 Part 23			
S No.	Plant/Dep artment	Location/area	Result SPM mg/m3	Time weighted average concentration 8 hr allowed per OSHA For total dust	
7	Bagging Plant	PH Maintain Godown	1.8	15.0 mg/m3	
		BP-2 Godown Area	1.7		
		Auto bagging (BP-1)	2.0		
		Auto bagging (BP-2)	1.9		
8	Treatment Plants	ETP Entrance	1.6		
		STP Entrance	1.4		
9	Raw Material Storage area	Rock Godown Near 4OP	1.8		
		Sulphur Godown Near Garage	2.1		
		Urea Godown at Bagging Plant	2.2		

For TEAM Labs and Consultants



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TEST REPORT

Test Report No		TLC/V/Env/CIL/34/1024		dt.01.11.2024
Description of Test		Fugitive Emissions at workplace-NH3		
Name of the client		Coromandel International Limited, Visakhapatnam		
Location of sampling		As provided below		
Period of Collection		OCTOBER-2024		
Duration of sampling		8 hr.		
Protocol		IS5182 Part 23		
S No.	Plant/Department	Location/area	Result - NH3 mg/m3	Time weighted average concentration 8 hr. allowed per OSHA For total dust
1	A-TRAIN	Reactor Top Area	1.8	17.41 mg/m3
		Granulator	0.9	
		Surrounding Area	1.1	
		Pre-Scrubber Area	1.0	
2	B-TRAIN	Dryer Area	1.8	
		Reactor Top Area	1.4	
		Granulator	1.6	
		Surrounding Area	2.0	
3	C-TRAIN	Pre-Scrubber Area	2.2	
		Dryer Area	2.5	
		Reactor Top Area	0.9	
		Granulator	0.8	
4	AAST	Storage Tank Area	1.6	
		Ammonia Storage Facility Area	1.0	

For TEAM Labs and Consultants



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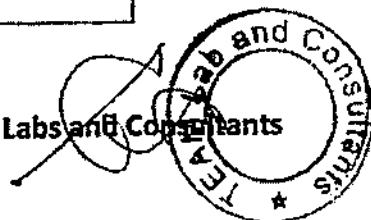
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NABL Accredited Laboratory

TEST REPORT

Test Report No		TLC/V/Env/CIL/35/1024		dt.01.11.2024
Description of Test		Fugitive Emissions at workplace-SO ₂		
Name of the client		Coromandel International Limited, Visakhapatnam		
Location of sampling		As provided below		
Period of Collection		OCTOBER-2024		
Duration of sampling		8 hr.		
Protocol		IS5182 Part 23		
S No.	Plant/Department	Location/area	Result SO ₂ mg/m ³	Time weighted average concentration 8 hr. allowed per OSHA For total dust
1	SAP-1	IAT Area	1.6	5.24 mg/m ³
		Furnace Area	2.0	
		Hot Gas Filter Area	2.1	
		Scrubber Area	1.9	
2	SAP-2	IAT Area	2.0	
		Furnace Area	1.6	
		Hot Gas Filter Area	1.4	
		Scrubber Area	1.3	
3	SAP-3	IAT Area	2.1	
		Furnace Area	2.3	
		Hot Gas Filter Area	1.6	
		Scrubber Area	1.4	
4	Wharf Area	Molten Sulphur Storage Area	0.9	
		Sulphuric Acid Storage Area	0.8	

For TEAM Labs and Consultants



EHS/APPCB/2025 - 54

30-04-2025

To

The Member Secretary,
APPCB Head Office,
Dr. YSR Paryavaran Bhavan,
APIIC Colony Road,
Gurunanak Colony, Autonagar,
Vijayawada- 520010

SUB: Submission of the CER/CSR Report for the period of October 2025 to March 2025

Ref: EC number F. No. 11-35/2015-IA-III, Dated 27 June 2017

Dear Sir,

This has reference to above mentioned subject, we are submitting the detailed report of CSR/CER activities carried out by Coromandel International Limited, Vizag during the period from October 2025 to March 2025.

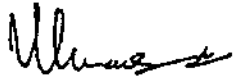
We recognize the importance of sustainable business practices and are committed to making a positive impact on society and the environment.

The above submission is in line with EC compliance & Record please.

Thanking you,

Yours faithfully,

For Coromandel International Limited


Gnanasundaram M
Vice President & Head Mfg.


NAG/DNR

Enclosure: CSR/CER Report
Copy: RO, APPCB, Visakhapatnam

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@coromandelmurugappa.com


murugappa

Ant:55.46,Tax:8.46,Ant.Paid:55.00(Cash)
<Track on www.indiapost.gov.in>

RN63500719IN INR:525677520719
AL:ALANKURAM S.O. (330011)

Counter No:1.02/05/2025,11:55

To:THE MEMBER SE,APPCB HEAD OFFICE

PTN:520010, NAG/DNR

FROM:COROMANDEL INTERNATIONAL LIMITED

Wt:102gms,REG-17.0

Ant:55.46,Tax:8.46,Ant.Paid:55.00(Cash)

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Labs and Consultants**Registered Office :**

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

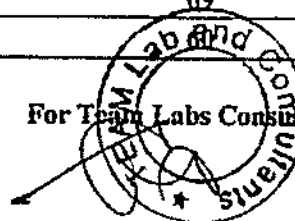
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NABL Accredited Laboratory

TEST REPORT

Test Report No	TLC/V/Env/CIL/32C/0924	DATE 01-11-2024
Description of Test	Noise Level Monitoring	
Name of the client	Coromandel International Limited, Visakhapatnam	
Location of sampling	As per details provided	
Date of collection	OCTOBER -2024	
	LOCATION / AREA	NOISE LEVEL LIMITI (70 dB)
Night	1st Gate	50
	2nd Gate	52
	3rd Gate (Plant)	53
	4th Gate	51
	5th Gate	49
	6th Gate	52
	7th Gate	53
	8th Gate	58
	9th Gate	56
	Contractor gate	52
	LOCATION / AREA	NOISE LEVEL LIMITI (75 dB)
Day	1st Gate	66
	2nd Gate	62
	3rd Gate (Plant)	68
	4th Gate	61
	5th Gate	65
	6th Gate	67
	7th Gate	62
	8th Gate	66
	9th Gate	69
	Contractor gate	

For Team Labs Consultants



TEAM**ORIGINAL**

Form-No. TCL/LGF/RF-138

Labs and Consultants**Registered Office :**

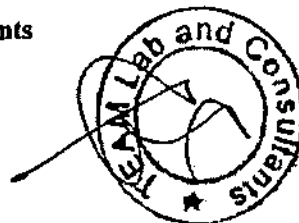
B-115, 116, 117 & 509, Annapoorna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.

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/30C/1124	DATE 02-12-2024
Description of Test	Noise Level Monitoring	
Name of the client	Coromandel International Limited, Visakhapatnam	
Location of sampling	As per details provided	
Date of collection	NOVEMBER - 2024	
	LOCATION / AREA	NOISE LEVEL LIMIT (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 LIMIT (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

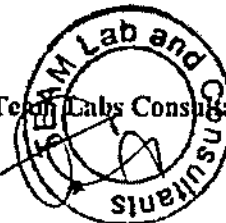
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NABL Accredited Laboratory (Certificate No. TC-12956)

TEST REPORT

Test Report No	TLC/V/Env/CIL/32C/1224	DATE 31-12-2024
Description of Test	Noise Level Monitoring	
Name of the client	Coromandel International Limited, Visakhapatnam	
Location of sampling	As per details provided	
Date of collection	DECEMBER-2024	
	LOCATION / AREA	NOISE LEVEL LIMITS (70 dB)
Night	1st Gate	52
	2nd Gate	50
	3rd Gate (Plant)	55
	4th Gate	50
	5th Gate	48
	6th Gate	50
	7th Gate	52
	8th Gate	56
	9th Gate	55
	Contractor gate	50
	LOCATION / AREA	NOISE LEVEL LIMITS (75 dB)
Day	1st Gate	68
	2nd Gate	60
	3rd Gate (Plant)	67
	4th Gate	63
	5th Gate	67
	6th Gate	65
	7th Gate	64
	8th Gate	68
	9th Gate	67
	Contractor gate	63

For Team Labs Consultants



TEAM**ORIGINAL**

Form-No. TCLL/GF/RF-138

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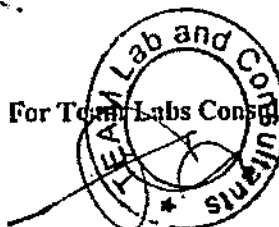
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TEST REPORT

Test Report No	TLC/V/Env/CIL/32C/125	DATE 1-02-2025
Description of Test	Noise Level Monitoring	
Name of the client	Coromandel International Limited, Visakhapatnam	
Location of sampling	Asper details provided	
Date of collection	JANUARY-2025	
	LOCATION / AREA	NOISE LEVEL LIMITI (70 dB)
Night	1St Gate	51
	2nd Gate	52
	3rd Gate (Plant)	53
	4th Gate	51
	5th Gate	50
	6th Gate	52
	7th Gate	56
	8th Gate	54
	9th Gate	53
	Contractor gate	51
	LOCATION / AREA	NOISE LEVEL LIMITI (75 dB)
Day	1St Gate	69
	2nd Gate	63
	3rd Gate (Plant)	65
	4th Gate	66
	5th Gate	68
	6th Gate	67
	7th Gate	63
	8th Gate	66
	9th Gate	65
	Contractor gate	64

For Team Labs Consultants



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TEST REPORT

Test Report No	TLC/V/Env/CIL/31C/0225	DATE 02-02-2025
Description of Test	Noise Level Monitoring	
Name of the client	Coromandel International Limited, Visakhapatnam	
Location of sampling	As per details provided	
Date of collection	FEBRUARY-2025	
	LOCATION / AREA	NOISE LEVEL LIMITI (70 dB)
Night	1St Gate	50
	2nd Gate	52
	3rd Gate (Plant)	53
	4th Gate	51
	5th Gate	49
	6th Gate	52
	7th Gate	50
	8th Gate	54
	9th Gate	53
	Contractor gate	52
	LOCATION / AREA	NOISE LEVEL LIMITI (75 dB)
Day	1St Gate	66
	2nd Gate	64
	3rd Gate (Plant)	69
	4th Gate	64
	5th Gate	65
	6th Gate	66
	7th Gate	63
	8th Gate	69
	9th Gate	68
	Contractor gate	65

For Team Labs Consultants



TEAM**ORIGINAL**

Form-No. TCL/UGF/RF-138

Labs and Consultants**Registered Office :**

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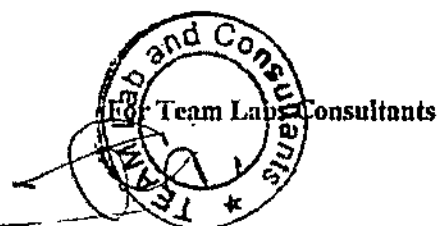
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TEST REPORT

Test Report No	TLC/V/Env/CIL/36C/0225	DATE 31-03-2025
Description of Test	Noise Level Monitoring	
Name of the client	Coromandel International Limited, Visakhapatnam	
Location of sampling	Asper details provided	
Date of collection	MARCH-2025	
	LOCATION / AREA	NOISE LEVEL LIMITI (70 dB)
Night	1St Gate	52
	2nd Gate	54
	3rd Gate (Plant)	55
	4th Gate	50
	5th Gate	52
	6th Gate	51
	7th Gate	53
	8th Gate	55
	9th Gate	51
	Contractor gate	50
	LOCATION / AREA	NOISE LEVEL LIMITI (75 dB)
Day	1St Gate	65
	2nd Gate	63
	3rd Gate (Plant)	67
	4th Gate	62
	5th Gate	64
	6th Gate	68
	7th Gate	62
	8th Gate	67
	9th Gate	66
	Contractor gate	63



1. EC-NO-F.NO-J-11011/51/2016-IA II (I) Date: 14-07-2017 - 2. EC-NO-F.NO-J-11011/51/2016-IA II (I) Date: 07-01-2021
 3. EC-NO-F.NO-J-11011/51/2016-IA II (I) Date: 07-01-2021 - 4. EC-NO-F.NO-J-11011/51/2016-IA II (I) Date: 27-06-2022
 5. EC-NO-F.NO-J-11011/51/2016-IA II (I) Date: 05-07-2018

pcba.ap.gov.in/PCBLive/ForIndustry/Submission/Compliance_of_EC_CFE_CFO_Direction

ANDHRA PRADESH POLLUTION CONTROL BOARD
ఆంధ్ర ప్రదేశ్ కాలుష్య నియంత్రణ మండలి

HOME ABOUT US FOR INDUSTRY FOR PUBLIC CONTACT US LOGINS

Compliance of EC/CFE/ CFO/ Directions
For submission of compliance reports by the Industries

1. Compliance Report : *
EC

2. EC Order Number *
EC-NO-F.NO-J-11011/51/2016-IA II (I)

3. EC Order Issued On *
07/14/2017

4. EC Order Issued By *
MoEF&CC, Delhi

5. Name of the Industry : *
Coromandel International Limited

6. Address : *
Sriharipuram , Malkapuram PO Visakhapatnam - 5301

7. District : *
Visakhapatnam

8. Email : *
nagarajud@coromandel.murugappa.com

9. Phone : *
8790035522

10. Status of Compliance : *
Complied

11. Upload the Compliance Report : *
Choose File EC PA SA EXPANSION.pdf

Note *

pcba.ap.gov.in/PCBLive/ForIndustry/Submission/Compliance_of_EC_CFE_CFO_Direction

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9. Phone : *
8790035522

10. Status of Compliance : *
Complied

11. Upload the Compliance Report : *
Choose File EC PA SA EXPANSION.pdf

Note *

☒ Environmental Clearance (EC) : Project proponent shall submit Half-yearly EC Compliance report certified by accredited consultant.(self-certified compliance report in case of small projects)

Rv6Kqh Rv6Kqh

Submit

EHS/APPCB/2024 - 147

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 : 37AAACC78832173012
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 for Environmental Clearance order Enhancement of Phosphoric Acid production (from 700 MTPD to 1000MTPD) P_2O_5 and other auxiliary facilities within the existing Fertilizer Complex, Sriharipuram as on 30.12.2024- Reg

Ref : 1. EC Order No - F.No. 1.F. No. J-11011/51/2016-IA. II(I) - Date 14.07.2017
2. F. No. J-11011/51/2016-IA. II(I) - Date 07.01.2021
3.F. No. J-11011/51/2016-IA. II(I) - Date 27.06.2022
2. APPCB Notice No - PCB/RO-VSP/6 months compliance/2018 - Date 05. 07.2018

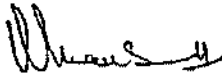
With reference to the above subject, herewith we are submitting the Six monthly condition wise compliance report as on 30.12.2024 of stipulated conditions in Environmental Clearance issued by MoEF, New Delhi vide F.No. 1.F. No. J-11011/51/2016-IA. II(I) dated 14.07.2017, 2. F. No. J-11011/51/2016-IA. II(I) dated 07.01.2021, 3.F. No. J-11011/51/2016-IA. II(I) dated 27.06.2022 of M/s Coromandel International Limited, Sriharipuram Visakhapatnam Enhancement of Phosphoric Acid production (from 700 MTPD to 1000MTPD) P_2O_5 and other auxiliary facilities within the existing Fertilizer Complex, Sriharipuram duly Certified by M/s TEAM 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. EC 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.

@@@

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 here by 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**

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

ENVIRONMENTAL ENGINEER



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

TEAM

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

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

Compliance status of Environment clearance

1. F. No. J-11011/51/2016-IA. II(I) dated 14.07.2017
2. F. No. J-11011/51/2016-IA. II(I) dated 07.01.2021
3. F. No. J-11011/51/2016-IA. II(I) dated 27.06.2022

(For the period from June -24 to November -24)

Enhancement of Phosphoric Acid production (from 700 MTPD to 1000 MTPD) P_2O_5 and other auxiliary facilities within the existing Fertilizer Complex, Sriharipuram, Vishakhapatnam District, Andhra Pradesh by M/s Coromandel International Limited (Formerly M/s. Coromandel Fertilizer Limited) - Environmental Clearance -reg.

S.No.	Condition	Compliance
A. Specific Conditions:		
i.	Green Belt of 10 M wide (Perennial trees) to be developed in three sides of plant periphery totaling 145-acre area.	Industry developed the green belts across the boundary walls Photographs are attached in Enclosed in Annexure - 01. The existing green belt area (120 acres) is more than 33% of the requirement. However, the plantation efforts will be continued.
ii.	The present fresh water requirement is 8700 m ³ /day. Additional fresh water for the proposed enhancement is to be limited to 1650 m ³ /day. The total fresh water requirement post enhancement shall not exceed 10350 m ³ /day. The present sea water requirement for once through cooling is 63000 m ³ / day and the same will be increased post enhancement to 84600 m ³ / day.	Complied The project is completely implemented. The new water balance is limited to 10350 m ³ /day from GVMC and 6 MLD from the De-salination plant for which necessary approvals from concerned authorities are in place.
iii.	No ground water shall be used.	Complied Existing water source is GVMC



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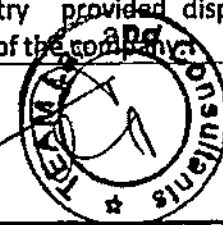
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Coromandel International Limited, Visakhapatnam

		(local Municipal Body), no ground water source is used.
iv.	Post enhancement, the SO ₂ emissions from Sulphuric acid plant-1 and sulphuric acid plant-2 shall be maintained at 1kg/MT and 0.65 kg/ MT.	Noted & being complied
v.	Imported coal/ rice husk/bagasse fired boiler of 40 TPH will be installed with ESP and 56 m stack height with SO ₂ emissions limited to 1188 Kg/ day.	Complied. Coal fired boiler has been provided a stack of 56 mts in height.
vi.	Existing two nos of LSHS fired boilers will be kept on standby mode.	LSHS Fired boilers kept as standby only.
vii.	The gaseous emissions (SO ₂ , NO _x , NH ₃) and particulate matter from various process units shall conform to the norms prescribed by the CPCB/SPCB from time to time. At no time, the emission levels shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Stack emissions shall be monitored regularly.	Complied. All the stacks are provided/attached with Scrubbers as detailed below: SAP Plants: Alkali scrubbers PAP Plant: Fumes scrubber & FRU unit Complex Stacks: 4 stage scrubbers New PAP units: Scrubbers kept in place. Ball Mill: Bag Filters kept in inline Coal Fired Boiler: ESP kept in Line. The emissions are maintained within the prescribed limits by CPCB/SPCB. Copy of the acknowledgment herewith is enclosed as Annexure - 2
viii.	Ambient air quality data shall be collected as per NAAQS standards notified by the Ministry vide G.S.R. No. 826(E) dated 16 th September, 2009. The level of PM ₁₀ , SO ₂ , NO _x , Ammonia, shall be monitored in the ambient air and displayed at a convenient location near the main gate of the company	Complied Industry conducting the Ambient Air Monitoring as per the National Ambient Air quality standards notified by MoEF, Govt. of India vide notification GSR 826 (E), dt 16.09.2009. Industry provided display Board at main gate of the company.



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Coromandel International Limited, Visakhapatnam

	and at important public places. The company shall upload the results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the Regional office of MOEF, the respective Zonal office of CPCB and the concerned State Pollution Control Board (SPCB).	Monitoring reports are submitted to the concerned authorities. A copy of the acknowledgment herewith is enclosed as Annexure - 03
IX.	No process effluent shall be discharged in and around the project site. Process effluents shall be treated in ETP. Sewage shall be treated in STP. Both treated sewage water and process effluents shall be recycled/reused within factory premises to achieve zero discharge except during the rainy season.	All the process effluent are being treated in ETP. Sewage treated in STP and treated water is being used for plantation
x.	Risk assessment plan to be prepared and implemented.	Complied
xi.	In plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling & conveyance of chemicals/materials, multi cyclone separator and water sprinkling system. Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emissions should conform to the limits stipulated by the concerned SPCB.	Complied. All the necessary precautions for closed transport of raw materials and operations are implemented for limiting of fugitive emissions. Emissions are maintained within CPCB/SPCB prescribed limits. A copy of the third-party analysis reports herewith is enclosed as Annexure - 04
xii.	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate	Complied DGs are only on standby and an acoustic enclosure provided.

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Coromandel International Limited, Visakhapatnam

	the noise pollution.	
xlii.	The company shall construct the garland drain all around the project site to prevent runoff of any chemicals containing waste into the nearby water bodies. Effluent shall be properly treated and treated wastewater shall conform to CPCB standards.	Complied Garland drains have been provided. Effluent is being treated in ETP
xiv.	The company shall obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous Waste (Management, Handling and Trans-Boundary Movement) Rules, 2008 and amended as on date for management of Hazardous wastes. Measures shall be taken for firefighting facilities in case of emergency.	Complied. CFO has obtained Order No. APPCB/VSP/65/CFO/HO/1967 04/08/2023
xv.	The by-products which fall under the purview of the Hazardous Waste Rules, be handled as per the provisions of the said Rules and necessary permissions shall be obtained under the said rules.	Being Complied The by-products that fall under the purview of the Hazardous Waste Rules handled in accordance with the provisions of these rules and shall obtain the necessary permissions as required.
xvi.	Spent catalysts and used oil shall be sold to authorized recyclers /re-processor only. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All Transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.	Complied. As per the existing procedure, respective wastes are sent to authorized recyclers/PCB approved TSDFs.
xvii.	The company shall strictly follow all the recommendations mentioned in the Charter on Corporate Responsibility for	Complied



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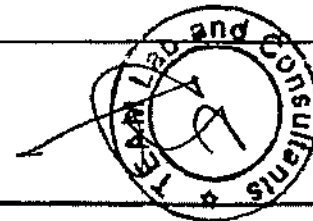
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Coromandel International Limited, Visakhapatnam

	Environmental Protection (CREP).	
xviii.	All the commitments made during the Public Hearing/Public Consultation meeting held on 8th December, 2016 shall be satisfactorily implemented and adequate budget provision shall be made accordingly.	Noted and being followed.
xix.	Remote operated valve placed on NH3 line to avoid leakage/equipment check shall be performed to ensure that remote operated valve (ROV) is all time is functional.	Complied and PM schedule adhered
xx.	At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup/details shall be prepared and submitted to the Ministry's Regional Office at Bhopal. Implementation of such program shall be ensured accordingly in a time bound manner.	Complied. A copy of the submitted half-yearly CSR report is enclosed in Annexure - 05
XXI.	Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.	Complied and continued as per the Factories Act.
xxii.	Provision shall be made for the housing for the construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile sewage treatment plant, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction waste shall be managed so that there is no impact on the surrounding	Complied.



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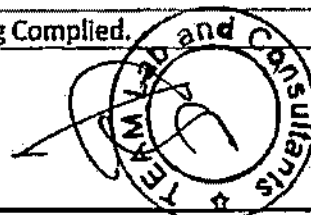
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Coromandel International Limited, Visakhapatnam

	environment.	
xxiii.	An Environment Cell will be set. up and a regular environmental manager having PG qualification in environmental sciences/environmental engineering to be appointed for looking after the environmental management practices in the plant.	Complied A separate environment management cell at the corporate level headed by AVP, HSE & plant level being setup
	B. GENERAL CONDITIONS:	
i.	The project authorities must strictly adhere to the stipulations made by the state Pollution Control Board (SPCB), State Government and any other statutory authority.	Noted By Industry.
ii.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Noted By Industry
iii.	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Complied Industry installed 03 numbers of online ambient air monitoring stations also monitored the ambient air through a third party at 05 Locations. The reports are submitted regularly.
iv.	The National Ambient Air Quality Emission	It is being Complied.



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TEAM

Labs and Consultants

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

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	Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.	
v.	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (nighttime).	Complied and noise levels are within the standards prescribed. A copy of the third-party noise monitoring reports herewith is enclosed as Annexure - 06
vi.	The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	Complied
vii.	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Training is being imparted regularly to employees. Pre employment medical check is part of HR policy before joining. Annual medical checkup is being undertaken regularly for all the employees.
viii.	The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.	Complied

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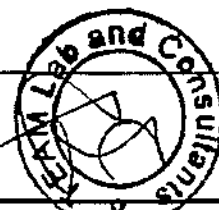
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ix.	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.	Complied as per the submitted CSR plan A copy of the Half Yearly CSR report herewith is enclosed as Annexure – 05
x.	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Complied as per the submitted CSR plan A copy of the Half Yearly CSR report herewith is enclosed as Annexure – 05
xi.	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Complied A separate environment management cell at the corporate level headed by AVP, HSE & plant level being setup Industry appointed NABL & MoEFCC accredited Lab to carry out the Environmental monitoring regularly
xii.	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/pollution control measures shall not be diverted for any other purpose.	Complied
xiii.	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal.	Complied Industry sent copies to the concerned local authorities



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xiv.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	Complied Compliance reports are sent regularly and the same are uploaded in the company website. the company website link is www.coromandel.biz/sustainability.com A copy of the submitted Half yearly is enclosed in Annexure - 07
xv.	The environmental statement for each financial year ending 31st March in Form-Vas is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	Complied. The environmental statement for the year FY:2024-25 was submitted on 27-09-2024. Copy of the acknowledgment herewith is enclosed as Annexure-08.
xvi.	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at http://moef.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality	Complied



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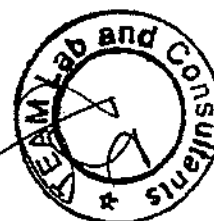
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	concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	
xvii.	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Complied. The projects were completed with the internal accruals.



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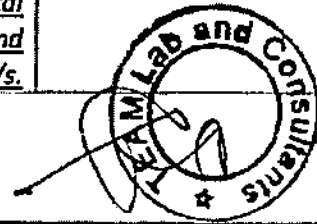
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Compliance to Amended Environmental Clearance dated 07.01.2021

F. No. J-11011/51/2016-IA-II (I) dt 7th January 2021

Proposed setting up of new 1500 MTPD Sulphuric acid (100%) plant within the Existing Fertilizer Complex, for total Sulphuric acid production of 3600 MTPD at Sriharipuram, Vishakhapatnam district, Andhra Pradesh, without increase pollution load and total production of NP/NPK (3900 MTPD) and Phosphoric Acid (1400 MTPD) by M/s. Coromandel International Limited (Formerly M/s Coromandel Fertilizers limited).

Sl. No	Para of EC issued by MoEF&CC	Description/Conditions	Compliance
1	Subject	Proposed setting up of new 1500 MTPD Sulphuric acid (100%) plant within the Existing Fertilizer Complex, for total Sulphuric acid production of 3600 MTPD at Sriharipuram, Vishakhapatnam district, Andhra Pradesh, without increase pollution load and total production of NP/NPK (3900 MTPD) and Phosphoric Acid (1400 MTPD) by M/s. Coromandel International Limited (Formerly M/s Coromandel Fertilizers limited).	-
2	Point 2	The Ministry of Environment, Forests and Climate Change has examined the application. It is noted that proposal is for <u>setting up of new 1500 MTPD Sulphuric acid (100%) plant within the Existing Fertilizer Complex, for total Sulphuric acid production of 3600 MTPD at Sriharipuram, Vishakhapatnam district, Andhra Pradesh, without increase pollution load and total production of NP/NPK (3900 MTPD) and Phosphoric Acid (1400 MTPD) by M/s.</u>	-



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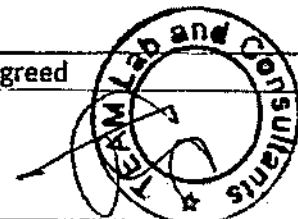
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Coromandel International Limited, Visakhapatnam

		<u>Coromandel International Limited (Formerly M/s Coromandel Fertilizers limited)</u>	
3	Point 3	<p>Existing land area is <u>313 Acres</u>, of which 120 acres is developed as greenbelt. <u>Additional cost of the project is ~ 400 Crore.</u></p> <p>The additional estimated cost of various environmental management programs in the proposed project is ~ 10 Cr which is around 2.5% of proposed Additional project cost. <u>In order to achieve consented production of 3900 MTPD NP/NPK production, the facility intends to adopt the following modifications and upgrades in the upstream of the complex fertilize manufacturing units:</u></p> <ul style="list-style-type: none">• Installation of Additional 1500 MTPD of Sulphuric Acid production plant along with existing 2100 MTPD Sulphuric Acid Plant (SAP-1 (1700 MTPD) & SAP2 (400 MTPD)). Total production capacity of Sulphuric acid shall be 3600 MTPD• Use of low sulphur coal in coal fired boiler and optimizing operations of existing sulphuric acid plant - I and coal fired boiler for no change in SO2 emission from the sanctioned emission load.• Existing Phosphoric acid plant with production capacity of 1400 MTPD• Provision of Sulfuric Acid storage capacity of 2 x 5000 MT + 2 X 12,500 MT +1500 MT along with existing storage capacity of 15,000-MT	Agreed and noted by industry for compliance
4	Point 4	Power requirement will be increased from	Agreed



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		<u>20 MW to 21 MW.</u> The facility has contracted grid power of 12 MW, 5 MW from APGPCL and in-house steam turbine capacity of 5MW. The net available power for the existing operation is in the order of 22 MW. Hence the available power is adequate to meet the total requirement of <u>21 MW</u> post enhancement.	
5	Point para3	4 Fresh water requirement will be increased from 10350 m3/day to 14550 m3/day, which will be sourced from Greater Vishakhapatnam Municipal Corporation (GVMC). Sea water consumption will be same i.e 84600 m3/ day.	Agreed and noted by industry for compliance
6	A-Specific Condition 1	Green Belt of 10 M wide (Perennial trees) to be developed in three sides of plant periphery totaling <u>120 acre area</u> .	Agreed. The existing green belt area is more than 33% of the requirement. However, the plantation efforts will be continued.
7	A-Specific Condition 1	The present freshwater requirement is <u>10350 m3/day. Additional fresh water for the proposed enhancement will be 4200 m3/day. The total freshwater requirement post enhancement shall not exceed 14550 m3/day.</u> The present sea water requirement for once through cooling will remain to be <u>84600 m3 / day.</u>	Agreed
8	A-specific Condition 4	Post amendment, the SO2 emissions from Sulphuric acid plant-1 and sulphuric acid plant-2 shall be maintained at 0.8 kg/MT and 0.65 kg/ MT and in Sulphuric Acid Plant-3 shall be maintained at 0.75 kg/MT.	Noted by industry and being complied

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Coromandel
FUTURE POSITIVE

Coromandel International Limited
Post Box No. 1116, Srinagar, Malkapuram Post
Visakhapatnam - 530 011, Andhra Pradesh, India
Tel : 91-891-2578400
DID : 91-891-28934 Extn No
Website : www.coromandel.biz
CIN : L24120AP1961PLC000892
GSTIN : 37AAACC7852K12C

Date: 27.09.2024

EHS/APPCB/2024-097

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

RIS41800066TH IVR:827854180006
N. MALKAPURAM S.O (530011)
Counter No: 1.27/09/2024.19:14
To: THE MEMBER SE, APPCB VIJAYAWADA
PIN: 520010. Venkateswarapuram S.O
From: EHS HQD CER.FORM 5 CIL VIZAG
Wt: 240gms, REQ=17.0
Amt: 90.85, Tax: 13.85, Amt. Paid: 91.00 (Cash)
(Track on www.indiapost.gov.in)
Chal (AMM/AMM/AMM) (Near Masks. Stay Safe)

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: APPCB/VSP/65/CFO/HO/1967 - 04/08/2023

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



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

Tel : 91-40-27842034 / 27847212
Fax : 91-40-27844317
E-mail : ma@coromandel.murugappa.com


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