

Coromandel/ SHE/ MoEF / 04 / 2024

2nd April 2024

To,

The Additional Principal Chief Conservator of Forests(C)
Ministry of Environment & Forest and Climate change
Regional office (Southeastern Zone)
1st & 2nd Floor Handloom Export Promotion Council
34, Cathedral Garden Road
Nungambakkam
Chennai - 600034

Sir,


Sub: Half Yearly Report - Oct 2023 to March 2024

Here with enclosed our **Compliance status of EC Clearance for Expansion - Cum- Modernisation of Compound Fertilizer Complex (APS 1,70,000 MTPA, Sulphuric Acid plant capacity 1,81,000 MTPA Phosphoric Acid plant capacity 35,800 MTPA F. No J-11011/7/93-IA II (I) dated 16th December 1993, for the period of October - 2023 to March - 2024.**

Thanking You,

Yours Faithfully

For Coromandel International Limited,



S. Ramesh

 Sr. General Manager - Manufacturing

CC to:

1. Regional Officer - CPCB, SE Zonal, Chennai
2. Joint Chief Environmental Engineer, Chennai.

Compliance status of Environment Clearance

F. No. J-11011/7/1993-IA II dated 16.12.1993.

1	The project authorities must strictly adhere to the stipulations made by the Tamil Nadu Pollution Board and the State Government	The conditions given in the consent order is complied.
2	No expansion or modernization of the plant should be carried out without prior approval of the Ministry Environment & Forests	Our plant was established in the year 1963 prior to the CRZ Notification. We have not increased our footprint. We have obtained EC for the expansion vide dated 16-12-1993. We have carried out expansion activities with prior approval from MoEF CC vide dated 03-09-2007. We have further obtained No Increase in Pollution Load from TNPCB vide Lr. No. T1/TNPCB/T.016460/CHN/RL/2023 after applying (as referenced by Single Window No: SW/2392/2023) and obtaining acknowledgement in PARIVESH Portal and also obtained certified compliance report from Regional Office, MoEF. Thereafter obtained a "No Increase in Pollution Load" certificate from TNPCB for this enhancement, without altering our equipment, footprint, or increasing air emissions and effluent loads. Acknowledgement Copy enclosed.
3	The gaseous emissions (SO ₂ , F, NO _x , NH ₃ , particulate matter and hydrocarbons) from the various processes/units should conform to the load/mass-based standards notified by this Ministry on 19th May 1993 or those may be notified from time to time. The State Board may specify more stringent standards for the relevant parameters, keeping in view the nature of the industry and its location. At no time, the emissions should go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the units, the respective unit should be immediately put out of operation and should not be restarted until the control measures are rectified achieve the desired efficiency.	All the plant stacks are monitored regularly, and the emissions are well within the limit. A monthly report regarding emission has been reported to Ministry's Regional Office, CPCB and SPCB. All the process plant stack installed with an online emission monitoring system for continuous monitoring. All the values are connected to TNPCB Care Air Centre.
4	At least four ambient air quality monitoring stations should be set up in the down wind direction as well as where maximum ground	The unit has installed two On-line AAQ monitoring station and monitoring ambient air quality at

	level concentrations of Fluorine, SO ₂ , NO _x , NH ₃ and SPM are anticipated in consultation with the State Pollution Control Board. The air quality monitoring stations should be selected on the basis of modelling exercise to represent short-term ground level concentrations, sensitive targets etc. Port holes and sampling facilities should be provided for all the stacks as per the Central Pollution Control Board Guidelines. Stack emissions should be monitored by setting up an automatic continuous stack monitoring unit in consultation with the State Pollution Control Board. Data on ambient air quality and stack emissions should be submitted to this Ministry once in six months and to the State Pollution Control Board once in three months along with the statistical analysis and interpretation.	four locations through manual methods based on the wind direction. The reports are submitted to concerned authorities and additionally all the process plant stack installed with an online emission monitoring system for continuous monitoring. All the values are connected to TNPCB Care Air Centre. For manual monitoring of the stack parameters, port holes have been provided as per the CPCB guidelines. The last six-month reports are attached as Annexure for the Stacks and Ambient air quality
5	Rock Phosphate Storage area should be separated from the APS storage site. Regular monitoring within and outside the APS Store House, and product packing zone should be carried out for ammonia.	Rock phosphate and APS (Fertilizer) product storage are separated through partition wall. Regularly monitoring in the Fertilizer stored area and product packing area was carried out for Ammonia.
6	The Sulphur storage yard should have a separate drain to collect surface run-off water.	We have constructed the separate trap to collect the surface run off water.
7	On-line SO ₂ monitor should be provided with Sulphuric Acid Plant	Online SO ₂ analyzer installed in both Sulphuric acid plant and connected to TNPCB /CPCB.
8	Ammonia gas leakages from storage and loading points should be efficiently controlled or collected and scrubbed or may be sent to incinerator for flaring. Adequate precautions for handling ammonia vapors in case of emergency situation arising due to closure of the plant should be taken.	Ammonia Gas sensors were installed to identify any possible leakage and water curtain was provided to contain the ammonia leakage if any. Ammonia Vapor is being handled through compressors. Flare arrangements have been installed to handle the excess ammonia vapor in case of emergency. Emergency DG sets and Instrument Air compressors were installed to handle emergency scenario especially power failure.
9	Fugitive emissions should be controlled, regularly monitored and data recorded.	Workplace environment monitoring is being carried out regularly.

	Automatic monitors for ammonia should be provided at appropriate places in the plant. Fugitive emissions of Sulphur dust during the charging operations should be controlled. Fumes of Sulphur emanating from molten Sulphur tank should also be controlled.	Ammonia sensors were installed at strategic location based on F&G mapping. Water Spraying system is provided to control fugitive emissions in the Sulphur handling area. Regular cleaning of the roads is ensured to prevent fugitive emissions.
10	Oil bearing wastewater should be treated for removal of oily matter and oil traps should be properly maintained so as to conform to the prescribed standards	The unit has not generated any oil - bearing wastewater. To prevent any kind of mix up, the oil and lubricants drums are stored in dedicated storage area only. Used oil drum are stored in the dedicated Hazardous Waste storage area only.
11	Guard Pond(s) of sufficient holding capacity should be provided to cope with the effluents discharged during the process disturbances. The contributing units should be immediately shut down and should not be restarted without bringing the system back to normalcy	The unit has sufficient storage tank and sump to store the effluents during the process disturbances.
12	The industry should practice "zero discharge" from the plant, except when the cooling tower blows down. The wastewater should be recycled to the extent possible and should conform to the prescribed standards of TNPCB.	All the cooling tower and boiler blowdown water is being reused in phosphoric acid plant. The STP treated water is being reused in gardening. Therefore, the unit is maintaining Zero Effluent Discharge.
13	The ground water tapping should be completely stopped by June 1994 either by commissioning RO/multi-stage distillation plant.	The Unit has commissioned Multi Effect Distillation to meet the water requirement. The unit is not using any ground water.
14	Adequate number of effluent and ground water monitoring stations should be set up in consultation with the State Pollution Control Board. Regular monitoring should be carried out for relevant parameters. Monitored data along with statistical analysis and interpretation in the form of a report should be submitted to this Ministry once in six months and to the State Pollution Control Board once in three months.	The unit has been analyzed the ground water (Piezo well), STP treated water and MED reject water on monthly basis. The report was submitted to SPCB. The Compliance report along with water analysis report was submitted to MoEF. The monitoring data for the last six month are attached as Annexure
15	The hazardous wastes should be handled as per the Hazardous Waste (Management &	The Unit has maintained the Hazardous waste as per

	Handling) Rules, 1989 of the Environment (Protection) Act, 1986.	<p>Manufacture, Storage, and Import of Hazardous Chemicals Rules, 2016.</p> <p>Hazardous Waste authorization is valid up to March 31.03.2027.</p> <p>The Unit also have agreement with Tamil Nadu Waste management limited for disposal of Spent catalyst (Vanadium Pent oxide) and other hazardous waste sent to CPCB authorized recycler.</p>
16	Handling, manufacture, storage and transport of hazardous chemicals should be carried out in accordance with the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989.	In compliance to Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules 1989, we carried out an Independent Comprehensive safety audit by engaging credible agency covering all the plant and industrial activities including Offshore Ammonia pipelines.
17	The project authorities should prepare and submit detailed quantitative risk assessment report along with on-site and off-site emergency preparedness plans (EPP) especially for ammonia stored within the premises of the fertilizer plant as required under the Rules 13 and 14 of the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 within six months. have approval from the competent authorities. EPPS should have approval from the competent authorities. The approval of the Chief Inspector of Explosives should also be obtained	The unit has conducted the Quantitative Risk assessment with CLRI under the Rules 13 and 14 of the Manufacture, Storage, and Import of Hazardous Chemicals Rules, 1989. The same report submitted to concern authorities.
18	Adequate measures for the control of noise within the plant should be taken so as to keep the noise levels below 85 dB in the working environment. Persons working near the noisy machines in Compressor Room, DMP, etc. should use earmuffs/ plugs.	<p>All control rooms have double wall protection and steam vents have silencers.</p> <p>Ear Plugs/Muffs usage were strictly adhered in the noisy environment such as compressor room etc.</p> <p>Noise level is being regularly monitored and reported to SPCB. The noise levels are within the limit.</p>
19	Suitable alarm system and standard procedure for transmitting the information on the	Siren is available to alert the emergency. The unit has prepared

	occurrence of an accident to the proper focal point should be established. Steps should also be taken to ensure access to information on weather conditions prevailing at the time and weather forecast. Windsocks at appropriate locations should be provided.	an onsite emergency plan in which the standard procedure for accident occurrence communication is detailed. Windsocks (7 Nos.) have been at provided in the plant premises.
20	The workers entering the APS Godown and product packing areas should be provided with protective clothes, safety shoes, gloves etc.	All the workers are provided with Personnel Protection Equipment such as safety shoes, gloves, double layer mask, goggles.
21	The height of containment wall all around the gypsum yard should be raised by at least 1.5 meters to avoid overflow of water and gypsum. Periodically, strength of the impervious LDPE lining provided in the pond should be checked to avoid ground water contamination	Gypsum yard is constructed and maintained with impervious layer and leachate pond to avoid ground water contamination. Leachate pond water is being reused in phosphoric acid plant.
22	Health status of the Ammonia Storage Tank, Stacks and other metallic structures should be carried out regularly and anti-corrosion measures be undertaken ensure structural soundness.	The unit has prepared and followed asset integrity schedule to check the healthiness of the structures and equipment regularly. Appropriate Anti Corrosive Measures (structural painting) are being carried out regularly. The unit follows the OEM guidelines in this regard to maintain the health status of the tanks.
23	A workable plan for 100 percent gypsum utilization should be prepared and submitted to this Ministry for approval within 3 months.	The unit is continuously dispatching gypsum to the Cement Industries. The unit has prepared sales plan for 100 % gypsum utilization.
24	A green belt of adequate width and density should be raised all around the fertilizer complex and the township. Native plant species should only be selected for this purpose in consultation with the local DFO.	The unit is continuously developing the green belt with native plant species (Banayan, Peepal, Neem etc) in and around the factory premises and township area in consultant with local Forest Officer.
25	A separate Environmental Management Cell with suitably qualified people to carry out various functions should be set up under the control of Senior Executive, who will report directly to the Head of the organization.	The Unit has appointed environmental Engineer. We set up the environment Site committee which meets every month and discuss Environment management system and implement
26	Periodic medical check-up of the workers should be done, and records maintained	The unit has conducted the periodic medical check-up for all workers (Employee & Contractor) regularly

		and records maintained.
27	The funds earmarked for the environmental protection measures should not be diverted for other purposes and Yearwise expenditure should be reported to this Ministry.	The unit has a separate cost center for the environmental protection measures and funds are utilized accordingly for the Environmental protection measures.
28	The industry should obtain necessary approval from this Ministry for the proposed ammonia storage facilities (12,500 Tones) to be provided at Madras Harbor. They should also abide by the provisions of CRZ notification.	The unit has obtained approval from the Ministry for Ammonia Storage facilities. (O.M. No: J-17011/9/94-1A.III dated on 20 th December 1995) To be discussed. The Ammonia tank approval is for the EC and not under CRZ.

ACKNOWLEDGEMENT

This is to acknowledge that **COROMANDEL INTERNATIONAL LIMITED** has provided the information on **PARIVESH Portal** in respect of **Proposed Augmentation of Ammonium Phosphate Potash Sulphate from 300000 TPA to 400000 TPA in the existing Chemical Fertilizer Plant** in the format attached herewith under the provisions of S.O.980-(E), dated 21st March, 2021.

To claim exemption from obtaining Prior Environment Clearance in respect of any increase in production capacity with or without any change in (i) raw material-mix or (ii) product-mix or (iii) quantities within products or (iv) number of products including new products falling in the same category or (v) configuration of the plant or process or operations in existing area or in areas contiguous to the existing area specified in the environmental clearance of the project, the project proponent / SPCB or UTPCC shall follow the following process:-

1. The project proponent shall inform the SPCB or UTPCC, as the case may be, in specified format along with-

- (i) 'no increase in pollution load' certificate from the Environmental Auditor or reputed institutions empanelled by the SPCB or UTPCC or CPCB or Ministry;
- (ii) last Consent to Operate certificate for the project or activity; and
- (iii) online system generated acknowledgement of uploading of intimation and 'no increase in pollution load' certificate on PARIVESH Portal;

2. Based on the submission of above information, the project proponent may carry on the proposed activity as per the submitted details. However, if on verification the SPCB or UTPCC, as the case may be, holds that the change or expansion or modernization will result or has resulted in increase in pollution load, the exemption claimed under this clause shall not be valid and it shall be deemed that the project proponent was liable to obtain Prior Environmental Clearance before under taking such changes or increase, as per the clause (a) of sub-paragraph (ii) of paragraph 7 of EIA Notification, 2006 and the provisions of Environment (Protection) Act, 1986 shall apply accordingly.

Encl: Attached the Information provided by the project proponent

INITIAL QUESTIONNAIRE

Single Window No	SW/2392/2023
Whether Project/Activity accorded prior EC?	Yes
If Yes, Is project details available in the PARIVESH?	No
Proposal No/MOEFCC File/SEIAA File No	J-11011/358/2007-4A.II (I)
Category (eg. Category A=MOEFCC, Category B=SEIAA/SEAC Proposal)	Category A
Whether Project/Activity falls in the category of Processing or Production or Manufacturing Sectors	Yes
Item number as per schedule to EIA Notification, 2006	5(a) Chemical fertilizers
Whether Project/Activity falls in 'B2' Category	No
Whether the instant proposal tantamount to change in Category?(e.g. 'B2' to 'B1' or 'B2' to 'A')	
Submit Date	09-01-2023 14:57:18
Document Details	

1. Name of the Project or Activity *	Proposed Augmentation of Ammonium Phosphate Potash Sulphate from 300000 TPA to 400000 TPA in the existing Chemical Fertilizer Plant			2. Name of the Project Proponent *	COROMANDEL INTERNATIONAL LIMITED
3. Address for the correspondence with Telephone and e-mail address *	Post Box No.2, Ennore Express Highway, Ennore, Chennai.				
State *	Tamil Nadu	District *	Chennai		
Tehsil *	Fort Tondiarpet	Village *	Ennavoor		
PinCode *	600057				
4. category of the project as per schedule, as per the schedule of EIA Notification,2006 *	A				
5. Location of the project					
Plot/Survey/Khasra number : *	S.F.No. 37/B2,38/5A,39/B1,39/6A,246/2,3,4,5,6,7, 247/(P)1A,2A,3C,3A			Village :	Ennavoor
State *	Tamil Nadu			District *	Chennai
Tehsil *	Fort Tondiarpet			Pincode	600057
Rounded latitudes of the Project/activity site :					
From *	13	13	5.31	To *	13 12 50.18
Rounded Longitudes of the Project/activity site :					
From *	80	19	23.07	To *	80 19 18.16
Geographic data file upload(KML File)*	Download				
5A. Whether project activity proposed to be carried out in contiguous area in addition to the existing area ?*	NO				
6. Whether the project proposed to be located in the Notified industrial area? *	NO				
7. Whether the Project/ Activity granted Environmental Clearance earlier? *	YES				
MoEFCC / SEIAA File No./ PARIVESH Proposal No. *	J-11011/358/2007-IA II (I) Date of Grant* 03-09-2007 00:00:00				
Upload EC letter of Industrial area *	(Upload PDF File only) Download				

8. Details of Consent under Air (P&CP) Act, 1981 & Water (P&CP) Act, 1974

Ssn	Consent No/Application no	Date	Valid Up to	Upload copy of Consent order
1	2208243778494	21 Nov 2022	31 Mar 2023	Download
2	2208143778494	21 Nov 2022	31 Mar 2023	Download

9. Details of Authorization under Hazardous & Other Waste Management Rules, 2016 and subsequent amendment

Ssn	Consent No/Application no	Date	Valid Up to	Upload copy of Consent order
1	22HFCM3002483	06 Sep 2022	31 Mar 2027	Download

10. Details of products & by-products including changes in product mix

Ssn	List of products/by-products permitted under EC / CTO	CAS Number	Quantity permitted under E.C / CTO	unit	List of products/by-products proposed under change	CAS Number	Quantity proposed under change	unit	Remarks
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		TPM/TPA							
1	APPS	0	300000	Tons per Annum (TPA)	APPS	0	400000	Tons per Annum (TPA)	Main Product
2	Gypsum	13397245	492000	Tons per Annum (TPA)	Gypsum	13397245	492000	Tons per Annum (TPA)	By Product
3	Phosphoric Acid	7664382	66000	Tons per Annum (TPA)	Phosphoric Acid	7664382	66000	Tons per Annum (TPA)	Intermediate Product
4	Sulfuric Acid	7664939	258000	Tons per Annum (TPA)	Sulfuric Acid	7664939	258000	Tons per Annum (TPA)	Intermediate Product
5	Captive Power	0	4	MW	Captive Power	0	4	MW	Intermediate Product

11. Details of Raw materials including water consumption and fuel consumption including changes in the raw material mix

Sl. No.	List of raw materials proposed under EC / CTO	CAS Number	Quantity permitted under EC / CTO (TPD / TPM / TPA)	unit	Raw materials proposed under clause 7(b)	CAS Number	Quantity proposed under clause 7(a) (b) (TPD / TPM / TPA)	unit	Remarks
1	Ammonia	7664417	166	Tons per Day (TPD)	Ammonia	7664417	136	Tons per Day (TPD)	
2	Phosphoric Acid	7664382	519	Tons per Day (TPD)	Phosphoric Acid	7664382	570	Tons per Day (TPD)	
3	MOP	7447407	240	Tons per Day (TPD)	MOP	7447407	320	Tons per Day (TPD)	
4	Sulphur	7704349	248	Tons per Day (TPD)	Sulphur	7704349	248	Tons per Day (TPD)	
5	Rock Phosphate	0	725	Tons per Day (TPD)	Rock Phosphate	0	725	Tons per Day (TPD)	
6	Ammonium Sulphate	7783202	0	Tons per Day (TPD)	Ammonium Sulphate	7783202	327	Tons per Day (TPD)	
7	Sulfuric Acid	7664939	284	Tons per Day (TPD)	Sulfuric Acid	7664939	136	Tons per Day (TPD)	Used for APPS Manufacturing
8	Sulfuric Acid	7664939	498	Tons per Day (TPD)	Sulfuric Acid	7664939	498	Tons per Day (TPD)	Used for Phosphoric Acid Manufacturing
9	Water	0	100	Kilo liters per	Water	0	121	Kilo liters per	Used for APPS Manufacturing

10	Water	0	23	Day (KLD) Kilo liters per Day (KLD)	Water	0	23	Day (KLD) Kilo liters per Day (KLD)	Used for Sulphuric Acid Manufacturing
11	Water	0	695	Day (KLD) Kilo liters per Day (KLD)	Water	0	695	Day (KLD) Kilo liters per Day (KLD)	Used for Phosphoric Acid Manufacturing

12. Approval for additional water consumption if applicable *

Yes

Upload the approval from
the competent authority *[Download](#)

13. Details of Effluent Generation

A. Quantity

S.No.	Details as per	Propose	Quantity of existing effluent generation (as per ECCTO)	unit	Quantity of effluent generation after the proposed change in product or raw material mix	unit	Mode of Disposal & Ultimate Receiving Body
1	CTO	Other	4800	Kilo liters per Day (KLD)	4800	Kilo liters per Day (KLD)	Discharge into Sea
2	CTO	Other	1150	Kilo liters per Day (KLD)	1095	Kilo liters per Day (KLD)	Recycling to Process
3	CTO	DOMESTIC	10	Kilo liters per Day (KLD)	10	Kilo liters per Day (KLD)	Treated in STP and disposed for greenbelt development

B. Quality

S.No.	Details as per	Composition	Concentration	unit	Composition after proposed change in product or raw material mix (COD/BOD/TSS/TDS/Others)	Concentration after proposed change in product or raw material mix	unit	Remarks
1	CTO	Nil	0	Part per Million (PPM)	Nil	0	Part per Million (PPM)	

C. Total load in respect of Effluent

(Note: The 'total pollution load' shall be ascertained by multiplication of quantity and concentration of
different components and parameters)

S.No.	Details as per	Total load in respect of Effluent post treatment	unit	Treatment facility existing (with capacity)	unit	Total load in respect of Effluent after proposed change in product or raw material mix	unit	Treatment facility proposed with capacity after proposed change in product or raw material mix	unit	Remarks
1	CTO	0	Kg Per	0	Kilo liters per Day	0	Kg Per	0	Kilo liters per Day	

D. Details of effluent management:

Whether Segregation of Concentrated stream and its disposal is proposed? ^a No

Whether Reduction / Recycle / Reuse of effluent are proposed? ^a No

Whether any additional Effluent Treatment Facilities Provided? ^a No

Whether is there any proposal for up-gradation of ETP? ^a No

Whether the unit is having Membership of Common Effluent Conveyance / Disposal Facility? ^a No

Whether it is Proposed to achieve zero discharge? ^a Yes

Whether Project has Membership of CETP? ^a No

Brief report on details of effluent management; Segregation of Concentrated stream and its disposal; Details of Reduction / Recycle / Reuse of effluent; Effluent Treatment Facilities Provided; Proposal for up-gradation of ETP (with time bound program); Membership of CETP (if any); Membership of Common Effluent Conveyance / Disposal Facility (if any); Proposal to achieve zero discharge with technical justification and feasibility; etc.^a

[Download](#)
14. Details of Emission Generation**A. Quantity****(i) From Stacks**

No.	Details as per	Plant Source	Height of stack (m)	Emission rate	Unit	Total emission	Unit	After the proposed change in product or raw material mix. Emission rate	Unit	After the proposed change in product or raw material mix. Total emission	Unit
1	CTO	Sulfuric Acid Plant -1 - SO ₂	38.2	320	Mg/Cu.M	675.55	Kg Per Day	320	Mg/Cu.M	675.55	Kg Per Day
2	CTO	Sulfuric Acid Plant -1 - NO _x	38.2	6	Mg/Cu.M	12.67	Kg Per Day	6	Mg/Cu.M	12.67	Kg Per Day
3	CTO	Sulfuric Acid Plant -2 - SO ₂	50	504	Mg/Cu.M	695.05	Kg Per Day	504	Mg/Cu.M	695.05	Kg Per Day
4	CTO	Sulfuric Acid Plant -2 - NO _x	50	12	Mg/Cu.M	16.55	Kg Per Day	12	Mg/Cu.M	16.55	Kg Per Day
5	CTO	Phosphoric Acid Plant - PM	36	3	Mg/Cu.M	1.05	Kg Per Day	3	Mg/Cu.M	1.05	Kg Per Day
6	CTO	Phosphoric Acid Plant - F	36	6	Mg/Cu.M	2.11	Kg Per Day	6	Mg/Cu.M	2.11	Kg Per Day
7	CTO	Ball mill in Phosphoric Plant - PM	24	48	Mg/Cu.M	25.72	Kg Per Day	48	Mg/Cu.M	25.72	Kg Per Day
8	CTO	Bagging Plant	35	0	Mg/Cu.M	0	Kg Per Day	0	Mg/Cu.M	0	Kg Per Day
9	CTO	Sulfuric Acid Plant- Steam Header	10	0	Mg/Cu.M	0	Kg Per Day	0	Mg/Cu.M	0	Kg Per Day
10	CTO	CPP Steam	15	0	Mg/Cu.M	0	Kg Per Day	0	Mg/Cu.M	0	Kg Per Day

11	CTO	MED Steam Header	8	0	Mg/Cu.M	0	Kg Per Day	0	Mg/Cu.M	0	Kg Per Day
12	CTO	DG Set - 1000KVA - PM	10.4	14	Mg/Cu.M	5.53	Kg Per Day	14	Mg/Cu.M	5.53	Kg Per Day
13	CTO	DG Set - 1000KVA - SO2	10.4	9	Mg/Cu.M	3.56	Kg Per Day	9	Mg/Cu.M	3.56	Kg Per Day
14	CTO	DG Set - 1000KVA - NOx	10.4	196	Mg/Cu.M	77.42	Kg Per Day	196	Mg/Cu.M	77.42	Kg Per Day
15	CTO	Ammonium Phosphate Potash Sulphate Plant - PM	49	120	Mg/Cu.M	889.9	Kg Per Day	118	Mg/Cu.M	877.59	Kg Per Day
16	CTO	Ammonium Phosphate Potash Sulphate Plant - F	49	1	Mg/Cu.M	7.42	Kg Per Day	1	Mg/Cu.M	7.42	Kg Per Day
17	CTO	Ammonium Phosphate Potash Sulphate Plant - NH3	49	41	Mg/Cu.M	304.05	Kg Per Day	40.4	Mg/Cu.M	299.9	Kg Per Day

(ii) From Fugitive sources

(Fugitive source details should be entered for each and every Stack, so the content of table availability depend on the number of Stacks entered)

Sno.	Details as per	Fugitive Sources	Height of discharge	Emission rate	Unit	Total emission	Unit	After the proposed change in product or raw material mix Emission rate	Unit	After the proposed change in product or raw material mix Total emission	Unit
1	CTO	Nil	0	0	Mg/Cu.M	0	Kg Per Day	0	Mg/Cu.M	0	Kg Per Day

(iii) From other sources

Sno.	Details as per	Fugitive Sources	Height of discharge	Emission rate	Unit	Total emission	Unit	After the proposed change in product or raw material mix Emission rate	Unit	After the proposed change in product or raw material mix Total emission	Unit
1	CTO	Nil	0	0	Mg/Cu.M	0	Kg Per Day	0	Mg/Cu.M	0	Kg Per Day

B. Quality

Sno.	Details as per	Stack attached to	Stack Height in Meter	APCM	Parameter (eg. PM10/PM25/SO2/NOx/Other)	Note: If specified in CTO, the same shall be filled up	Unit	After the proposed change in product or raw material mix	Unit
1	CTO	Sulfuric	38.2	Alkali	SO2	320	Mg/Cu.M	320	Mg/Cu.M

2	CTO	1374.16	Kg Per Day	428670	Cu.M/Hr	1374.16	Kg Per Day	428670	Cu.M/Hr	SO2
3	CTO	106.64	Kg Per Day	428670	Cu.M/Hr	106.64	Kg Per Day	428670	Cu.M/Hr	NOx
4	CTO	9.53	Kg Per Day	428670	Cu.M/Hr	9.53	Kg Per Day	428670	Cu.M/Hr	F
5	CTO	304.05	Kg Per Day	428670	Cu.M/Hr	299.9	Kg Per Day	428670	Cu.M/Hr	NH3

D. Details of effluent management:

Whether there is any Proposal for switching over to cleaner fuel? *

No

Whether there is any Proposal for the up-gradation of existing APCM? (with the time-bound program) *

No

Whether there is Proposal for the installation of new APCM? (with time-bound program) *

No

Brief report on details of emission management:

Proposal for switching over to cleaner fuel, if any (with time bound program);

Proposal for up-gradation of existing APCM, if any (with time bound program);

Proposal for installation of new APCM (with time bound program); etc. *

[Download](#)**15. Hazardous Waste Generation (Details for EC/CTO shall not be fetched from DB, it shall be manually entered)****A. Quantity and type of waste**

Sno.	Details as per	Type of Waste	Category (As per Schedule under Hazardous & Other Waste Management Rules, 2016)	Existing Note: If specified in CTO, the same shall be filled up	Unit	After Change in Product Mix	Unit	Source of Generation	Mode of Storage	Mode of Treatment & Disposal method
1	CTO	5. Industrial Operations using mineral/synthetic oil as lubricant in hydraulic systems (Schedule-I)	5.1 Used / Spent Oil	12	Tons per Annum (TPA)	12	Tons per Annum (TPA)	Mechanical equipment's and Hydraulic equipment's using mineral and Utilities	MS Drums	Authorized HW Recyclers
2	CTO	5. Industrial operations using mineral / synthetic oil as lubricant in hydraulic systems (Schedule-I)	5.2 Wastes - residues containing oil	2	Tons per Annum (TPA)	2	Tons per Annum (TPA)	Mechanical equipment's and Hydraulic equipment's using mineral and Utilities	Plastic Drums	Incineration - TSDF
3	CTO	17. Production of mineral acids (Schedule-I)	17.2-Spent catalyst	8	Tons per Annum (TPA)	8	Tons per Annum (TPA)	Spent catalyst generated in sulphuric acid plant for conversion purpose SO2 to SO3	MS Drums	Common TSDF Landfill Facility
4	CTO	Class C: Based on Hazardous	37. Total Sulphur-	800	Tons per Annum	800	Tons per Annum	Sulphur Filtration	Sulphur slag is	Recovery and Reuse-

Cl-Flammable (Schedule-II)						impervious layer with closed shed
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B. Details of Waste management:

Whether Proposal for reduction / recovery / reuse / recycle / sale of waste (with technical details) is proposed? No

Whether Project has Membership of Common Secured Landfill Site? No

Whether Project has Membership of Common hazardous waste incineration facility? No

Brief report on Details of Waste management:

Proposal for reduction / recovery / reuse / recycle /

sale of waste, if any; Proposal for efficient

recovery of solvents (with technical details);

Membership of Common Secured Landfill Site (if any);

Membership of Common hazardous waste

incineration facility (if any).²

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16. No Increase in Pollution Load" certificates from the authorized environmental auditor and countersigned by Project Proponent.

Sno.	Authorized environmental auditor/Reported Institution Empanelled by the SPCC/CPCB/MoEFCC	Detail of Environmental Auditor	Upload the approval from the competent authority
1	Authorized Environmental Auditor	Mr Prabhat Kumar Srivastava	Download

17. Online Continuous Monitoring System

Sno.	Attribute	Constituents	Date of installation of OCMS	Date of Last calibration of OCMS	Status of OCMS functioning	Date of connection to the servers of	Date of connection to the servers of
1	Emissions	SAP - II - SO ₂	18/08/2017	13/12/2022	Yes	Yes - 01/04/2021	Yes - 01/04/2021
2	Emissions	Time office - SO ₂	17/06/2016	21/07/2022	Yes	Yes - 01/04/2021	Yes - 01/04/2021
3	Emissions	Time office - NH ₃	17/06/2016	21/07/2022	Yes	Yes - 01/04/2021	Yes - 01/04/2021
4	Emissions	Pump House - SO ₂	09/04/2017	21/07/2022	Yes	Yes - 01/04/2021	Yes - 01/04/2021
5	Emissions	Pump House - NH ₃	09/04/2017	21/07/2022	Yes	Yes - 01/04/2021	Yes - 01/04/2021
6	Effluents	STP - pH	15/12/2019	04/10/2022	Yes	Yes - 01/04/2021	Yes - 01/04/2021
7	Effluents	STP - Flow	18/12/2020	04/10/2022	Yes	Yes - 01/04/2021	Yes - 01/04/2021
8	Effluents	MED - pH	27/07/2019	07/10/2022	Yes	Yes - 01/04/2021	Yes - 01/04/2021
9	Effluents	MED - Flow	27/09/2019	07/10/2022	Yes	Yes - 01/04/2021	Yes - 01/04/2021
10	Emissions	APS - NH ₃	30/06/2022	30/06/2022	Yes	Yes - 30/06/2022	Yes - 30/06/2022
11	Emissions	APS - PM	23/08/2022	25/11/2022	Yes	Yes - 23/08/2022	Yes - 23/08/2022
12	Emissions	PAP - HF Main Stack	23/07/2021	30/06/2022	Yes	Yes - 23/07/2021	Yes - 23/07/2021
13	Emissions	PAP - PM Ball Mill	13/07/2020	20/07/2022	Yes	Yes - 01/04/2021	Yes - 01/04/2021
14	Emissions	SAP - I - SO ₂	11/12/2021	13/12/2022	Yes	Yes - 11/12/2021	Yes - 11/12/2021

Withdrawn Details

Sno.	Proposaling no.	Reason	Upload copy of Consent order
No Records Found			

☒ I hereby give undertaking that the data and information given in the application and enclosures are true to be best of my knowledge and belief and I am aware that if any part of the data and information found to be false or misleading at any stage, the project will be rejected and clearance is given if any to the project will be revoked at our risk and cost. In addition to the above, I hereby give undertaking that no activity/construction/expansion has since been taken up.

Name : COROMANDEL
INTERNATIONAL LIMITED

Designation : -I

Address : Post Box No.2, Eanore Express
Highway, Eanore, Chennai.

State : Tamil Nadu

Distict : Chennai

Pincode : 600057

Print Report

Coromandel International Limited

Ennore, Chennai - 57

AMBIENT AIR QUALITY MONITORED AT FOUR LOCATIONS DURING OCT -23 to MAR -24

Location	Admin Building					PAP Side					Ammonia Terminal					East Gate				
Parameters	PM _{2.5}	PM ₁₀	SO ₂	NOX	NH ₃	PM _{2.5}	PM ₁₀	SO ₂	NOX	NH ₃	PM _{2.5}	PM ₁₀	SO ₂	NOX	NH ₃	PM _{2.5}	PM ₁₀	SO ₂	NOX	NH ₃
Month	µg/ Nm ³	µg/ Nm ³	µg/ Nm ³	µg/ Nm ³	µg/ Nm ³	µg/ Nm ³	µg/ Nm ³	µg/ Nm ³	µg/ Nm ³	µg/ Nm ³	µg/ Nm ³	µg/ Nm ³	µg/ Nm ³	µg/ Nm ³	µg/ Nm ³	µg/ Nm ³	µg/ Nm ³	µg/ Nm ³	µg/ Nm ³	µg/ Nm ³
Oct-23	9	43	20	15	12	10	49	14	16	11	4	29	0.5	12	17	17	58	28	13	14
Nov-23	11	52	35	16	17	11	51	19	15	19	4	27	0.5	12	13	19	60	15	15	15
Dec-23	10	45	19	14	12	12	47	13	14	12	4	31	0.5	13	10	18	56	16	14	18
Jan-24	5	32	0.5	13	9	5	34	0.5	14	9	3	29	0.5	12	9	9	46	0.5	13	10
Feb-24	7	38	0.5	14	9	7	36	0.5	15	9	4	30	0.5	12	8	9	49	0.5	14	9
Mar-24	7	41	0.5	15	7	9	47	0.5	15	8	4	31	0.5	12	8	11	51	0.5	16	7

Coromandel International Limited

Ennore, Chennai -57

Piezo Bore well Samples result for Oct - 23 to Mar -24

Location: SAP - 2

All parameters are in mg/l except pH

Parameters	pH	TSS	TDS	Cl	Sulphates	Oil & Grease	BOD	COD	T. Phosphates	Ammonical Nitrogen	Fluoride
Oct-23	6.9	48	3900	330	205	<10	<5	60	1.5	<1	1.2
Nov-23	6.9	45	3700	310	190	<10	<5	55	1.4	<1	1.2
Dec-23	6.9	42	3500	300	180	<10	<5	50	1.3	<1	1.1
Jan-24	6.9	40	3500	280	170	<10	<5	50	1.3	<1	1.1
Feb-24	6.9	42	3650	300	176	<10	<5	55	1.3	<1	1.1
Mar-24	6.9	36	3800	300	190	<10	<5	55	1.4	<1	1.1

Location: Near WTP

All parameters are in mg/l except pH

Parameters	pH	TSS	TDS	Cl	Sulphates	Oil & Grease	BOD	COD	T. Phosphates	Ammonical Nitrogen	Fluoride
Oct-23	6.8	72	3750	350	210	<10	<5	76	1.6	3	1.3
Nov-23	6.8	68	3600	320	200	<10	<5	70	1.5	3	1.3
Dec-23	6.8	64	3300	310	180	<10	<5	64	1.4	3	1.2
Jan-24	6.9	60	3200	300	174	<10	<5	65	1.4	3	1.2
Feb-24	6.9	64	3300	310	182	<10	<5	70	1.4	3	1.2
Mar-24	6.9	62	3600	340	190	<10	<5	68	1.5	3	1.2

Coromandel International Limited

Ennore, Chennai -57

Piezo Bore well Samples result for Oct-23 to Mar -24

Location: Near Stores

All parameters are in mg/l except pH

Parameters	pH	TSS	TDS	Cl	Sulphates	Oil & Grease	BOD	COD	T. Phosphates	Ammonical Nitrogen	Fluoride
Oct-23	6.9	66	3800	360	230	<10	<5	74	1.5	3	1.2
Nov-23	6.9	65	3700	340	230	<10	<5	70	1.5	3	1.2
Dec-23	6.9	60	3400	320	210	<10	<5	66	1.4	3	1.1
Jan-24	6.9	58	3300	360	196	<10	<5	68	1.4	3	1.1
Feb-24	6.9	61	3350	305	204	<10	<5	72	1.4	3	1.1
Mar-24	6.9	62	3700	320	204	<10	<5	70	1.5	3	1.2

Location: Near STP

All parameters are in mg/l except pH

Parameters	pH	TSS	TDS	Cl	Sulphates	Oil & Grease	BOD	COD	T. Phosphates	Ammonical Nitrogen	Fluoride
Oct-23	7.1	18	1700	190	68	<10	<5	18	<1	<1	<0.1
Nov-23	7.0	16	1450	132	62	<10	<5	15	<1	<1	<0.1
Dec-23	7.0	14	1450	95	48	<10	<5	12	<1	<1	<0.1
Jan-24	7.0	12	1400	105	45	<10	<5	14	<1	<1	<0.1
Feb-24	7.1	16	1680	160	56	<10	<5	18	<1	<1	<0.1
Mar-24	7.1	18	1750	220	65	<10	<5	16	<1	<1	<0.1

Coromandel International Limited

Ennore, Chennai -57

Sewage Treated Water Analysis Report for OCT - 2023 to MAR -2024

All parameters are in mg/l except pH

Parameters	pH	TSS	BOD
Oct-23	7.4	2	<5
Nov-23	7.4	3	<5
Dec-23	7.3	2	<5
Jan-24	7.1	3	<5
Feb-24	7.2	2	<5
Mar-24	7.5	2	<5

