

SIX MONTHLY COMPLIANCE REPORT OF CONDITIONS LAID IN THE ENVIRONMENTAL CLEARANCE

Of

**“Coromandel International Limited”
(CPC)**

At

Plot no.2102-2104, 735
& 2112/2113, GIDC Sarigam, Dist. Valsad, Gujarat

Compliance Period: March 2024 to September 2024

PCS ID: 34285

Date: 24/10/2024

To,

Ministry of Environment, Forest and Climate Change,

Room no. 407, Naraya Bhawan,

Near ch-3 circle, Sector-13A,

Gandhinagar, Gujarat-382010.

Subject: Submission of Compliance Report for Environmental Clearance No. J-11011/106/2009-1A (I) dated 05/05/2009 for the Period - 01/04/2024 to 30/09/2024.

Dear Sir/Ma'am,

This letter serves to reference the compliance conditions stipulated in Environmental Clearance No. J-11011/106/2009-1A (I) dated 05/05/2009. In this context, we hereby submit the compliance report, which includes the relevant environmental monitoring data, for your kind reference and necessary compliance.

Thanking You,

For Coromandel International Limited



(Authorized Signatory)

CC:

1. Regional Office - Surgam, Gujarat Pollution Control Board
2. Member Secretary - Gujarat Pollution Control Board, Gandhinagar

Encs:

1. Compliance Report for Environmental Clearance No. J-11011/106/2009-1A (I) dated 05/05/2009
2. Acknowledgement of EC Compliance report.

Coromandel International Limited
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EC Compliance Report (April' 24 to September' 24)

Cond. No.	Specific Conditions	Compliance status
(i)	The process effluent generation shall not exceed 2324.8 m ³ /d and shall be segregated into high COD, high TDS and normal effluent stream. About 364.6 KL/day of Hancockb effluent shall be treated in the proposed Hancockb Effluent treatment plant (Aerobic Reagent), 1381.5 m ³ /day of High TDS effluent (1881.5 m ³ /d) shall be evaporated in the proposed evaporation system, 276.8 m ³ /day of High COD effluent shall be incinerated in company's own incinerator and total 1089.5 m ³ /day of normal effluent stream shall be treated in effluent treatment plant for primary, secondary and tertiary treatment & discharge into underground pipeline of QIDCO Saragam for final disposal into Arabian Sea. The effluent shall be stripped for solvent recovery before sending to ETP.	Complied. 1. As per Consent Order No. AWH-125444 dated 03.10.2023 valid up to 30.09.2026 obtained based on the Environmental Clearance, the total effluent generation is 1013.73 KL/day. 2. High TDS effluent is being evaporated in HEE. The High COD effluent is being sent outside for common spray dryer / CHSE. 3. Normal effluent stream is treated in conventional ETP and the effluent meeting the prescribed standard (GPCB norms) is disposed of into Arabian Sea after the treatment in the CETP through the QIDCO Saragam effluent drainage line. Analysis results of the treated effluent are given as per Annexure - 1. 4. The Hancockb stream is treated and evaporated in Multiple Effect Evaporator.
(ii)	The gaseous emissions (SO _x , NO _x , VOC, HC, NH ₃ , H ₂ S, Cl ₂ and HCl) along with SPH and RSPH from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control systems adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.	Complied. • The gaseous emissions (SO _x , NO _x , VOC, HC, NH ₃ , Cl ₂ and HCl) along with SPH and RSPH from various process units are being monitored periodically. If any Pollution control system failed, the same is rectified and then only the process is started. • Locations for VOC monitoring have been identified for that VOC meter is available. (VOC monitoring has been done for solvents like Ethyl Acetate, HDG, BDO in Acetate plant area, HCl & Chlorine in PCl ₅ plant area, Ammonia in Utility and THP plant area, CS ₂ in Hancockb & Propylene plant areas.)
(iii)	The proponent shall upload the status of compliance of the stipulated environmental clearance 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 HSE, the respective Zonal Office of GPCB and State Pollution Control Board. The criteria pollutant levels namely SPH, RSPH, SO _x , NO _x (ambient level as well as stack emissions) or critical sectors parameters indicated for the project shall be monitored and displayed at	Complied. Ambient air quality monitoring is being conducted by GPCB approved schedule - 1 auditor as well as IABR, approved laboratory on monthly basis and the same are enclosed as Annexure - 2.

Cond. No.	Specific Conditions	Compliance status
	convenient locations near the main gate of the company in the public domain.	
(iv)	The process emissions in the form of HCl, H ₂ S, NH ₃ and Cl ₂ from the reactors shall be scrubbed with water and alkali scrubbers. The spent scrubber solution shall be treated in the ETP. All the vents shall be connected to the incinerator for odour control.	Complied. An adequate Scrubbing System is provided to scrub the process generated gases and the spent scrubber solution generated from the scrubbing of the stack is sent to the ETP for further treatment.
(v)	The gaseous emissions from the DO sets shall be dispersed through stack height as per OPCS standards. Acoustic enclosures shall be provided to mitigate the noise pollution.	Complied. Stacks are provided to DO sets with stack height as per OPCS standards. The DO sets are installed in the covered shed. Analysis results are given in Annexure -2
(vi)	Standards notified for pesticides unit under the Environment (Protection) Act, 1986 and amended time-to-time shall be followed by the Unit.	Complied. Standards notified for pesticides unit under the Environment (Protection) Act, 1986 and amended time-to-time are being followed.
(vii)	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 for management of hazardous wastes and prior permission from OPCS shall be obtained for disposal of solid / hazardous waste in the TSDF. Measures shall be taken for firefighting facilities in case of emergency.	Complied. - Prior permission for Authorization for collection, storage and disposal of hazardous waste under the Hazardous Waste (Management and Handling) Rules, 2016 for management of Hazardous wastes is obtained for additional quantity from OPCS. The generated waste is being disposed of to TSDF/Co-processing. - A complete network of fire hydrant system is available in the premises.
(viii)	Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emissions shall conform to the limits imposed by OPCS.	Complied. Fugitive emissions in the work zone environment, product, raw materials storage area etc. are being regularly monitored. The emissions are conforming to the limits imposed by the OPCS. Details are given in Annexure -4
(ix)	- All the storage tanks shall be under negative pressure to avoid any leakages. Breathers, N₂ blanketing and condensers will be provided for all the storage tanks. Closed handling systems for chemicals and solvents will be provided. - Magnetic seals will be provided for pumps/agitators for reactors for reduction of fugitive emissions. - Chilled Brine based condensers shall be used to prevent VOC emissions. Solvent traps shall be installed wherever necessary.	Complied. - All the underground storage tanks are maintained under negative pressure (as required) to avoid any leakages. Breathers are provided for all the underground storage tanks. Closed handling systems for chemicals and solvents are provided for pumps/agitators of the reactors for the reduction of fugitive emissions. - Breather valves, flame arrestors are being provided and necessary safety precautions such as earthing strips are also provided to avoid the static electricity. Double

Cond. No.	Specific Conditions	Compliance status
		mechanical seals are provided for all transfer pumps to avoid leakages. All the solvent recovery systems are connected with chilled brine or chilled water to arrest VOC in various processes.
(xi)	All venting equipment shall have vapor recovery system. All the pumps and other equipment where there is a likelihood of HC leakages shall be provided with Leak Detection and Repair (LDAR) system and LEL indicators and Hydrocarbon detectors. Provision for immediate isolation of such equipment, in case of a leakage will also be made. The company shall provide a well-defined Leak Detection and Repair (LDAR) programme for quantification and control of fugitive emissions. The detectors sensitivity will be in ppm levels.	Complied. - Process emission vents are connected through dedicated scrubbers and scrubbers are having online sensor to monitor the emission level in vent. Moreover, monthly monitoring is also being carried out by NABL approved lab and simultaneously periodic monitoring is also being done by regional pollution control board and always found emission results within limit. - LEL monitoring is being done by a portable measuring device. - LDAR measures also adopted at site to control the fugitive emission.
(xii)	During transfer of materials, spillages shall be avoided and galled drains be constructed to avoid mixing of accidental spillages with domestic waste and storm drains.	Complied. During transfer of materials, spillage is avoided, and transferring pumps are provided with galled tray arrangement to avoid spillage and any contamination. Sufficient dyke and spill prevention measures are taken.
(xiii)	The company shall make adequate arrangement for control of odour nuisance from the plant premises.	Complied. Scrubbers are installed and chilled brine provided to the condensers and adequate system is in place for odour control. Site has also provided the deodorant system at the periphery of company for effective odour control.
(xiv)	The adequate financial provisions shall be made in the budget of the project for implementation of the above-suggested environmental safeguards. Fund so earmarked shall not be diverted for any other purposes.	Complied. Adequate funds are earmarked for implementation of the environmental safeguards. Fund so earmarked will not be diverted for any other purposes.
(xv)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Complied. Occupational health surveillance of the workers is being done on a regular basis and records maintained as per the Factories Act. Details are attached as Annexure - B.
(xvi)	The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.	Complied. Arrangement for protection of possible fire hazards during manufacturing process in material handling is provided. Automatic quenching with water provided in spray dryer.

Cond. No.	Specific Conditions	Compliance status
(vi)	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.	Complied. Training is given to all employees on safety and health aspects of chemicals handling on a regular basis. Details are given in Annexure - 6. Pre-employment and routine periodical medical examinations for all employees are being done on regular basis. Details are given in Annexure - 6. Training is given to all employees on handling of chemicals on regular basis.
(vii)	Usage of PPEs by all employees/ workers shall be ensured.	Complied. Usage of PPEs by all employees/ workers is ensured.
(viii)	The company shall strictly follow all the recommendations mentioned in the Charter on Corporate Responsibility for Environmental Protection (CREP).	Complied. The company strictly follows all the recommendations mentioned in the Charter on Corporate Responsibility for Environmental Protection (CREP).
(ix)	The company shall adopt waste minimization /cleaner production techniques to reduce the pollution load and action plan in this regard submitted to the Ministry.	Complied. The company is disposing waste by sending it for pre-processing and co-processing. MDC condensate is being utilized in the process to reduce the consumption of the fresh water.
(x)	The company shall undertake rainwater-harvesting measures to recharge the ground water as well as reduced consumption of water.	As per best industrial practice and seen the hazard of our operation it is not recommended to harvest rainwater at site and also not possible to make arrangement in the nearby area as water strata of the region is not allowing to initiate water recharge measures.

Cond. No.	General conditions	Compliance Status
(i)	The project authorities shall strictly adhere to the stipulations of the SPCB/state government or any statutory body.	Complied. The company ensured that the project authorities strictly adhere to the stipulations of the SPCB/state government or any statutory body.
(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 and complied.
(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 operations and shall not be restarted until the desired efficiency has been achieved.	Complied. The company ensured that at no time the emissions will exceed the prescribed limit. In the event of failure of any pollution control system adopted the operations will be put out/off and it will be restarted only after the desired efficiency is achieved.
(iv)	The gaseous emissions (NOx, SOx & SPH) and particulate matter along with RSPM levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time the emission level shall go beyond the stipulated standard. In the event of failure of pollution control system (s) adopted by the unit, the respective units shall not be restarted until the control measures are rectified to achieve the desired efficiency. The stack monitoring for SOx, NOx and SPH shall be carried out.	Complied. The gaseous emissions (NOx, SOx & SPH) and particulate matter along with RSPM levels from various process units conforms to the standards prescribed by the concerned authorities from time to time. At no time the emission level will go beyond the stipulated standard. In the event of failure of pollution control system(s) adopted, the respective units will not be restarted until the control measures are rectified to achieve the desired efficiency. The stack monitoring for SOx, NOx and SPH is being carried out. Details are given in Annexure - 7.
(v)	The location of ambient air quality monitoring stations shall be decided in consultation with 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. Ambient air quality monitoring stations is set up in the downwind direction as well as where maximum ground level concentration are anticipated. Ambient air monitoring is done at 4 different locations. Details are given as per Annexure - 2.
(vi)	The dedicated scrubber 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. For control of process emissions, stacks of appropriate height as per the Central Pollution Control Board guidelines are provided. The scrubbed water is sent to ETP for further treatment.

Cond. No.	General conditions	Compliance Status
(vi)	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) 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 (daytime) and 70 dBA (nighttime).	Complied. The overall noise levels in and around the plant area are monitored and kept under desired level. Details are given as per Annexure - 8.
(vii)	The project proponent shall also comply with the environmental protection measures and safeguards proposed in the project report submitted to the ministry. All the recommendations made in respect of Environmental Management and Risk Mitigation measures relating to the project shall be implemented.	Complied. The Company complies with environmental protection measures and risk mitigation measures.
(ix)	The company will undertake all the relevant measures for improving the socio-economic conditions of surrounding area. CSR activities will be undertaken by involving local villages and administration.	Complied. The company is performing CSR activities as per Company CSR policy. The Initiatives of CSR as below: - Nutrition Kit Distribution - Learning Enrichment Program - National Sports Day Celebrations - Tailoring Class at Angan Village
(x)	The company shall undertake eco-developmental measures including community welfare measures in the project area for the all over improvement of the environment.	Complied The community welfare scheme is being conducted as per company CSR policy and as an environment improvement initiative sanitation work is being done.
(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 Full-fledged laboratory facility is available to monitor the environment related parameters, and performance is monitored by the environment department.
(xii)	The project authorities shall earmark adequate funds to implement the conditions stipulated by the Ministry of Environment and Forests as well as 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. Adequate funds are earmarked for implementation of the environmental safeguards. Fund so earmarked will not be diverted for any other purposes.
(xiii)	The implementation of the project vis-à-vis environmental action plans shall be monitored by Ministry's Regional Office /SPCB / CPCB. A six monthly compliance status report shall be	Complied. Six monthly compliance status report is being submitted to monitoring agencies and being upload on the Parivesh portal.

Cond. No.	General conditions	Compliance Status
	submitted to monitoring agencies and shall be posted on the website of the company	
(iv)	A copy of clearance letter shall be sent by the proponent to concern Panchayat, Zila Parishad / Municipal Corporation, Urban Local Body and Local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal.	Shall be Complied in Future. We sincerely apologized that, we don't have a legible copy. In future, we will keep the records for all acknowledgment copies in legible formats.
(v)	The Project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC 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 OPCS and the State Pollution Control Board.	Complied. Six monthly compliance status report are being submitted to Regulatory agencies.
(vi)	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.	Partially Complied. The copies of environmental clearance granted by the Ministry are available with the OPCS and may also be available at the website of MoEF&OPC/ OPCS. We sincerely apologize for not having a copy of the newspaper advertisement, in the future, we will ensure that all acknowledgment copies are kept in legible formats.
(vii)	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 company has already given the information to 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 and NOC has been obtained from the regional office. Environment statement is being submitted to respective state board within deadline.

Annexure-1 (Treated Water Analysis)

Parameters	OPDS Norms	Units	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24
pH	6.5 – 8.5		-	7.14	-	-	7.10	-
Temperature	40	°C	-	30.1	-	-	27	-
Colour	100	UNITS	-	<1	-	-	<1	-
Sulphate	1000	mg/l	-	168	-	-	291	-
BOD (5 days at 20 °C)	400	mg/l	-	30	-	-	30	-
COD	1000	mg/l	-	68	-	-	68	-
Ammonical Nitrogen	50	mg/l	-	10.94	-	-	5.83	-
Phenolic Compounds	1	mg/l	-	<0.02	-	-	<0.02	-
Hexa Chromium	0.1	mg/l	-	<0.02	-	-	<0.02	-
Arsenic	0.2	mg/l	-	<0.001	-	-	<0.001	-
Fixed Dissolved Solids	2100	mg/l	-	132	-	-	874	-
Suspended Solids	100	mg/l	-	19	-	-	<2	-
Oil & Grease	10	mg/l	-	<1	-	-	<1	-
Chlorides	600	mg/l	-	188	-	-	184	-
Cadmium	2	mg/l	-	<0.001	-	-	<0.001	-
Copper	2	mg/l	-	<0.001	-	-	<0.001	-
Lead	0.1	mg/l	-	<0.001	-	-	<0.001	-
Mercury	0.01	mg/l	-	<0.001	-	-	<0.001	-
Nickel	2	mg/l	-	<0.001	-	-	<0.001	-
Zinc	5	mg/l	-	<0.002	-	-	<0.002	-
Total Chromium	2	mg/l	-	<0.001	-	-	<0.001	-

ND = Not Detected

**Total PFU monitoring once in a quarterly basis

KEC - Kadam Environmental Consultants

Annexure-2 (Ambient Air Monitoring)

Month of Sampling	Sampling Done By	Location of Sampling	PM ₁₀	PM _{2.5}	SO ₂	NO ₂
			100 µg/m ³	60 µg/m ³	88 µg/m ³	80 µg/m ³
April-24	KBC	Nr. Main Gate	26	12	8.23	11.48
		Nr. Old Canteen	29	13	12.35	11.95
		Nr. ETP Area	43	14	9.26	9.48
		Nr. RO Water Tank	34	11	10.29	8.99
May-24	KBC	Nr. Main Gate	53	17	8.17	10.13
		Nr. Old Canteen	56	17	7.2	11.54
		Nr. ETP Area	53	18	9.26	12.96
		Nr. RO Water Tank	64	20	8.61	12.02
June-24	KBC	Nr. Main Gate	43	12	8.35	12.98
		Nr. Old Canteen	39	13	9.2	8.05
		Nr. ETP Area	43	11	10.5	8.55
		Nr. RO Water Tank	50	10	8.24	10.3
July-24	KBC	Nr. Main Gate	31	11	7.87	12.02
		Nr. Old Canteen	39	18	8.55	12.94
		Nr. ETP Area	32	10	9.72	12.5
		Nr. RO Water Tank	33	12	8.66	12.22
August-24	KBC	Nr. Main Gate	27	11	7.15	15.35
		Nr. Old Canteen	22	17	8.59	15.38
		Nr. ETP Area	21	10	10.01	19.81
		Nr. RO Water Tank	36	15	8.44	13.94
September-24	KBC	Nr. Main Gate	28	12	10.47	11.32
		Nr. Old Canteen	37	15	10.01	11.06
		Nr. ETP Area	32	12	10.73	11.87
		Nr. RO Water Tank	31	18	11.44	11.11

KBC - Kadam Environmental Consultants

* Third party monitoring once in a quarterly basis

Annexure-3 (Flue Gas Emission Monitoring)

Boiler/Process/Unit	Boiler Height (mtr)	Parameter	Standard/Permissible Limit	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Dec-24
HR-2400 (continuous)	18	Particulate Matter	100 µg/m ³	-	55	-	-	85	-
		SO ₂	100 ppm	-	10.14	-	-	27.10	-
		NO _x	60 ppm	-	12.22	-	-	7.88	-
CC-Ban-1 (250 Hrs)	12	Particulate Matter	100 µg/m ³	-	67	-	-	82	-
		SO ₂	100 ppm	-	16.38	-	-	21.29	-
		NO _x	70 ppm	-	9.94	-	-	8.14	-
CC-Ban-2 (850 Hrs)	12	Particulate Matter	100 µg/m ³	-	44	-	-	68	-
		SO ₂	100 ppm	-	16.11	-	-	60	-
		NO _x	70 ppm	-	10.22	-	-	8.22	-
HR-2400 (continuous)	18	Particulate Matter	100 µg/m ³	-	55	-	-	75	-
		SO ₂	100 ppm	-	11.8	-	-	27.00	-
		NO _x	60 ppm	-	4.26	-	-	6.11	-
Boiler	60	Particulate Matter	100 µg/m ³	-	10	-	-	8	-
		SO ₂	100 ppm	-	40	-	-	70	-
		NO _x	70 ppm	-	10.22	-	-	6.22	-
HR-2400	62.8	Particulate Matter	100 µg/m ³	-	10	20	8	18	-
		SO ₂	100 ppm	-	10	180	10	10	-
		NO _x	100 ppm	-	6.4	11.82	8.88	6.37	-
		Hydrogen Chloride	80 mg/m ³	-	10	2.4	2.82	10	-
		CO	100 ppm	-	27.41	10	27.42	22.22	-
		Total Organic Carbon	20 mg/m ³	-	10	10	10	10	-

Flue Gas Monitoring data is recorded from HR-2400 HR-2400 continuous combustion

KADAM LABS PRIVATE LIMITED

871/B/3, Near Himsleya Machinery, GDC Maharpura, Vadodra-10.

Phone : (0) 8265 - 8131006, 8131001

WORK ENVIRONMENT MONITORING REPORT

Client	Karamchand International Limited	Reporting Date
Address	Plot No. - 2182, GDC Sangam - Phase IV, Dist - Vahad, Gujarat, India, 3900	31/08/2023

Form No. - 33

(Prescribed under Rule 22-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(i)

5. Name of the Department/Plant.

Department: Plant-A
Plant: Production

7-New Material for products and finished products existing in the process.

New Material: Ethylene Glycol, Carbon disulfide, Sodium hydroxide, Magnesium sulphate, Zinc sulphate, sodium lauryl sulfate and isopropylalcohol.
By Products: Sodium sulphate solution.
Finished Products: Manganese

5. Particulars of sampling.

Sampling Period: 8 Hours
Shift Duration: 8 Hours

S.No.	Location / Operation monitored	Identified contaminant	Sampling Instrument Used	Airborne Contamination		Average mg/m ³
				No. of samples	Range	
1	2	3	4	5	6	7
01	Manganese Plant-A	Total Dust	Isa sampler with Filter Media	4	0.42 to 7.24 mg/m ³	6.91 mg/m ³

Dust concentration (as given in record schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking sample	Name (in Block Letters)
8	9	10	11	12	13
22 mg/m ³	IS 5076-1982 Revised 2013 and IS 1383 Part 20-2006	08	Activity - Sinter Addition Control - Fully Vacuum and Dust collection system PPEs - Helmet, Shoes, Gloves, Nose Mask, Goggles, Full Body Dust free Suits.		MANU

KADAM LABS PRIVATE LIMITED

0715/3, Near Hiralaya Machinery, GDC Makerpur, Vadodra-10.

Phone : (0) 6265 - 6131030, 6131001

WORK ENVIRONMENT MONITORING REPORT



No. In.	1A
Location	Machop Pk in A
Contaminant	Total Dust

Results					
Sample 1	23.06.2024	1st shift	7.06	mg/m ³	
Sample 2	23.06.2024	2nd shift	7.04	mg/m ³	
Sample 3	23.06.2024	3rd shift	0.42	mg/m ³	

Other Permissible Limits

ACGIH (TSP)	TWA	8 Hours	-	ppm	10	mg/m ³
	STEL	15 Minutes	-	ppm	-	mg/m ³
ODH (TSP)	TWA	8 Hours	-	ppm	10	mg/m ³
	STEL	15 Minutes	-	ppm	-	mg/m ³
WHO (TSP)	TWA	8 Hours	-	ppm	-	mg/m ³
	STEL	15 Minutes	-	ppm	-	mg/m ³
Permissible Exposure Limit (PEL)	TWA	8 Hours	-	ppm	10	mg/m ³
	STEL	15 Minutes	-	ppm	-	mg/m ³

Other Details

1.	Gas being handled (material)	As per requirement		
2.	Activity Description (activity performed at area being sampled)	Semi Automatic - Grinding, Drilling, Milling and Reactions		
3.	Duration of the activity (at the area being sampled)	8 Hours		
4.	Frequency of the exposure	Continuous		
5.	Observations	No specific Observations		
6.	Impaired Health effects of contaminant	If control measures not applied		
		Exposure to High dust levels - Reduced Lung Function & Respiratory efficiency.		
Prepared by	Manoj Kumar	Reviewed by	Mr. Anshu Jadhav	
	(Industrial Hygienist)		Manager (R&D)	
Signature and stamp	Manoj Kumar			
	(Industrial Hygienist)			

N.O. - Not Observed, N.E. - Not Evaluated, N.A. - Not Applicable, N.R. - Not Reported, N.D. - Below Detectable Limit

TWA - Time Weighted Average, STEL - Short Time Exposure Limit

TLV - Threshold Limit Value, PEL - Permissible Exposure Limit, REEL - Recommended Exposure Limit

ACGIH - American Conference of Government Industrial Hygienists, NIOSH - National Institute of Occupational Safety & Health

ODH - Occupational Safety & Health Administration

PEL - Permissible Exposure Limit, MA - The Federal Act (PAC)

KADAM LABS PRIVATE LIMITED

671/53, Near Himalaya Machinery, CIDC Makarpura, Vadodra-10.

Phone : (0) 9285 - 813100, 8131001

WORK ENVIRONMENT MONITORING REPORT



Client	Karambhaji International Limited	Reporting Date
Address	Plot No. - 2302, CIDC Sargam - 390025, Kda - Vadod, Gujarat, India. 219	24.05.2024

Form No. - 07

(Prescribed under rule 12-B)

Register containing particulars of monitoring of working environment required under section 74(2)(a)

1. Name of the Department/Plant.

Department : Process plant

Plant : Production

2. Raw Material by products and finished products involving in the process.

Raw Material : MMA, Stc, DCC, NAC, Chlorine, Acetone and DCC-PMF

By Products : Spent Solvent (ATF)

Finished Products : NAC (New and used)

3. Particulars of sampling.

Sampling period : 8 Hours.

Shift Duration : 8 Hours.

S.No.	Location / Operation monitored	Identified contaminant	Sampling Instrument Used	Airborne Contamination		Average
				No. of samples	Range	mg/m ³
1	2	3	4	5	6	7
01	NAC Plant Process Plant	NAC	Air sampler with circulating filter	3	4.22 to 5.29 mg/m ³	4.81 mg/m ³

TWA concentration (as given in standard is acceptable)	Reference Method	Number of workers exposed at the location during shift period	Remarks	Signature of person taking samples	Name (in block letters)
0	0	10	11	12	13
Permissible exposure limit - 20 mg/m ³	6.6170-1989 NIOSH method 2003 NIOSH 6.6200 April 12, 1996	10	Active - Spent Acetone Control - Fully Ventilation, Shredder and Odor control system. PPE - Helmet, Goggles, Gloves, Safety shoes, Safety hat body cloth.	 	NAAC

Note: Study after the period of monitoring. 22

KADAM LABS PRIVATE LIMITED

871/B3, Near Himalaya Machinery, GIDC Makarpura, Vadodra-73.

Phone : (G) 0265 - 8131000, 8131001

WORK ENVIRONMENT MONITORING REPORT



Sl. No.	Job
Location	MED Plant Process Plant
Contaminant	NO2

Results				
Sample 1	21.08.2024	1st shift	3.33	mg/m ³
Sample 2	21.08.2024	2nd shift	3.36	mg/m ³
Sample 3	21.08.2024	3rd shift	4.21	mg/m ³

Other Permissible Limits						
ACOH (TLV)	TWA	8 Hours	-	ppm	-	mg/m ³
	STEL	15 Minutes	-	ppm	-	mg/m ³
OSHA PEL	TWA	8 Hours	-	ppm	-	mg/m ³
	STEL	15 Minutes	-	ppm	-	mg/m ³
ACOH (TLC)	TWA	8 Hours	-	ppm	-	mg/m ³
	STEL	15 Minutes	-	ppm	-	mg/m ³
Permissible Exposure Limit (REL) OSHA	TWA	8 Hours	Permissible Exposure Limit: 300	ppm	Permissible Exposure Limit: 435	mg/m ³
	STEL	15 Minutes	Permissible Exposure Limit: 350	ppm	Permissible Exposure Limit: 475	mg/m ³

Other Details			
1.	Quantity handled (material)	As per requirement	
2.	Activity Description (activity performed at area being sampled)	Semi automatic Milling, Freezing, Chikization, Neutralization, Separation and Reaction	
3.	Duration of the activity for the area being sampled	8 Hours	
4.	Frequency of the exposure	Continuous	
5.	Observations	No specific Observation	
6.	Reported health effects of contaminants	Control measures not applied Respiratory, irritation, inflammation, peroxides, dizziness (breathing difficulties), vomiting, malaise (gastrointestinal discomfort), increased heart rate, runny nose, blood pressure, some anaphylaxis, convulsions, Possible (N/A), etc. dry eye	
Prepared by	Mitesh Ushakar (Occupational Hygienist)	Reviewed by	Maheshwari Jashwanth Manager (O&S)
Signature and Stamp	Khyati L. Maheshwari (Occupational Hygienist)		

REL - Permissible Exposure Limit, TWA - Time Weighted Average, STEL - Short Term Exposure Limit

TWA - Time Weighted Average, STEL - Short Term Exposure Limit

TLV - Threshold Limit Value, PEL - Permissible Exposure Limit, REL - Recommended Exposure Limit

ACOH - American Conference of Governmental Industrial Hygienists, OSHA - Occupational Safety & Health

OSHA - Occupational Safety & Health Administration

REL - Recommended Exposure Limit, TWA - Time Weighted Average



KADAM LABS PRIVATE LIMITED

6715/3, Near Himalaya Machinery, GIDC Makarpura, Vadodra-10.

Phone : (G) 0265 - 0131966, 0131001

WORK ENVIRONMENT MONITORING REPORT



Client	Coromandel International Limited	Reporting Date
Address	Plot No. - 2181, GIDC, Sargam - 395151, Dist - Valsad, Gujarat, India, 3902	14/03/2024

Form No. - 37

(Prescribed under Rule 12-A)

Register containing particulars of monitoring of working environment required under section 7-A(3)(a)

1. Name of the Establishment/Plant.

Department : Plant A
Plant : Production

2. Raw Material/By products and Finished products involving in the process.

Raw Material : Ethylene diamine, Calcium chloride, Sodium hydroxide, Manganese sulphate, Zinc Sulphate, cobalt nonyl sulfate and Dimethylhydrazine
By Products : Sodium Sulphate solution
Finished Products : None

3. Particulars of sampling:

Sampling Period : 8 Hours
Shift Duration : 8 Hours

S.No.	Location / Operation monitored	Work Shift concerned	Sampling instrument used	Airborne Contamination		Average mg/m ³
				No. of samples	Range	
1	2	3	4	5	6	7
0A	Mammoth Plant A	Total Dust	Air Sampler with filter media	1	6.42 to 7.24 mg/m ³	6.85 mg/m ³

TWA concentration (as given in annex schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letters)
8	9	10	11	12	13
10 mg/m ³	IS 6076:1983 Worked 100% and IS 1581 Part (2)-2006	04	Activity - Semi Automatic Control - Fully Ventilation and Dust collection system PPEs - Helmet, Shoes, Goggles, face Mask, Goggles, Full body Dust free Suits.		NARAI

Note: 10mg/m³ after correction factor, as per page 10

KADAM LABS PRIVATE LIMITED

811/813, Near Himalaya Machinery, GIDC Makarpura, Vadodha-390 010

Phone : (0) 8265 - 8131006, 8131001

WORK ENVIRONMENT MONITORING REPORT



Dr No.	LA
Location	Makarpura Plant-A
Contaminant	Total Dust

Results					
Sample 1	23.08.2024	1st shift	7.06	mg/m ³	
Sample 2	23.08.2024	2nd shift	7.39	mg/m ³	
Sample 3	23.08.2024	3rd shift	6.47	mg/m ³	

Other Permissible Limits						
ACGIH (TVC)	TWA	8 hours	-	ppm	15	mg/m ³
	STEL	15 Minutes	-	ppm	-	mg/m ³
OSHA (TVC)	TWA	8 hours	-	ppm	15	mg/m ³
	STEL	15 Minutes	-	ppm	-	mg/m ³
NIOSH (TVC)	TWA	8 hours	-	ppm	-	mg/m ³
	STEL	15 Minutes	-	ppm	-	mg/m ³
Permissible Exposure Limit (PEL) - OSHA	TWA	8 hours	-	ppm	10	mg/m ³
	STEL	15 Minutes	-	ppm	-	mg/m ³

Other Details			
1.	Gas/dust handled (material)	As per requirement	
2.	Activity Description (activity performed or area being sampled)	Semi Automatic - Shifting, Drilling, Milling and Recasting	
3.	Duration of the activity (at the area being sampled)	8 hours	
4.	Frequency of the exposure	Continuous	
5.	Observations	No specific observation	
6.	Impaired Health effects of contaminant	No control measure was applied Exposure to high dust levels - Reduced lung function & Respiratory infections	
Prepared by	Nagesh Shrivastava (Industrial Hygienist)	Reviewed by	Mahendra Joshi Manager (H.S. & E)
Signature and Stamp	Rajiv Dhanraj (Industrial Hygienist)		

N.D. - Not Detected, N.E. - Not Specified, N.A. - Not Applicable, N/L - Not Required, N/S - Below Detectable Limit

TWA - Time Weighted Average, STEL - Short Time Exposure Limit

TLV - Threshold Limit Value, PEL - Permissible Exposure Limit, REL - Recommended Exposure Limit

ACGIH - American Conference of Governmental Industrial Hygienists, NIOSH - National Institute of Occupational Safety & Health

OSHA - Occupational Safety & Health Administration

PEL - Permissible Exposure Limit (PEL), TWA - Time Weighted Average



KADAM LABS PRIVATE LIMITED

87/10/3, Nani Himelaya Machinery, GDC Moharpara, Vadodra-11

Phone : (0) 0265 - 6131066, 6131001

WORK ENVIRONMENT MONITORING REPORT



Client :	Corona India International Limited	Reporting Date :
Address :	Plot No. - 1101, GDC Surajpur - 260013, Dist - Tehsil, Gujarat, India, 3800	16.09.2018

Form No. - 17

(Prescribed under Rule 12 B)

Register containing particulars of monitoring of working environment required under section 7-A (a) (i)

1. Name of the Department/Plant.

Department: Production

Plant: Production

2. Raw Material, by products and finished products involving in the process.

Material: MSHA, UNILAC, NACL, Chlorine, Acrylonitrile and SLS + BHP

By Products: Spent Solvent (KTO)

Finished Products: MCP (Monomethylol)

3. Particulars of sampling:

Sampling Period: 8 hours

Shift Duration: 8 hours

S. No.	Location / Operation involved	Identified contaminant	Sampling instrument used	Statistical Concentration		Average mg/m ³
				No. of samples	Range	
1	2	3	4	5	6	7
18	MCP Plant Process Plant	VOC	Air sampler with absorbing media	3	0.22 to 0.38 mg/m ³	4.01 mg/m ³

TMA Concentration (as given in annex schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block letters)
8	9	10	11	12	13
Benzene-21 Xylene-422 Toluene-175 mg/m ³	IS 15074:1997 AAS/IRMSD 2000 and IS 15074 Part 13-1999	11	Activity : Semi Automatic Control : Fully automation , generation and Order control system Safety : helmet , Shoes, Goggles, Safety Mask, Goggles, Full body Suits.		MAHESH

Note: IS 15074 refers to the standard for the TMA.

KADAM LABS PRIVATE LIMITED

871/5/3, Near Himselva Machinery, GIDC Malviapura, Vadodra-72.

Phone : (0) 0265 - 8531000, 8131001

WORK ENVIRONMENT MONITORING REPORT



To No.	18
Location	WOP Plant Process Room
Contaminant	VOC

Results				
Sample 1	13.08.2024	2nd shift	5.33	mg/m ³
Sample 2	13.08.2024	2nd shift	5.36	mg/m ³
Sample 3	13.08.2024	2nd shift	4.21	mg/m ³

Other Permissible Limits						
ACSH (TWA)	TWA	8 Hours	-	ppm	-	mg/m ³
	STEL	15 Minutes	-	ppm	-	mg/m ³
TWA (PEL)	TWA	8 Hours	-	ppm	-	mg/m ³
	STEL	15 Minutes	-	ppm	-	mg/m ³
HCSH (PEL)	TWA	8 Hours	-	ppm	-	mg/m ³
	STEL	15 Minutes	-	ppm	-	mg/m ³
No. of Chemicals Exposed (14444-100)	TWA	8 Hours	Benzene-10, Xylene-100, Toluene-100	ppm	Benzene-20, Xylene-400, Toluene-270	mg/m ³
	STEL	15 Minutes	Benzene-25, Xylene-150, Toluene-150	ppm	Benzene-70, Xylene-600, Toluene-540	mg/m ³

Other Details		
1	Quantity handled (material)	As per requirement
2	Activity Description (activity performed at place being sampled)	Semi-automatic - Shifting, Preheating, Orientation, Rotation, Separation and Reaction
3	Duration of the activity (at the area being sampled)	8 Hours
4	Frequency of the exposure	Continuous
5	Observations	No specific Observations
6	Impaired health effects of some workers	if workers symptoms not reported Headache, dizziness, weakness, stomach ache, dyspnea (shortness of breath), paraesthesia, motor/autonomic dysfunction, irritability, nausea, vomiting, blood pressure, heart, respiratory, dermatitis, headache (acute, dry eye)
Prepared by	Mona Shrivastava (Industrial Hygienist)	Reviewed by Mehendra Rajhoo Manager (QA/QC)
Signature and Date	Keyur Lalpatiya (Industrial Hygienist)	

N.E. - Not Detected, N.D. - Not Specified, N.A. - Not Applicable, N.R. - Not Reported, BSL - Below Detectable Limit

NaH - Non-Hazardous (except STS) - Short-Term Exposure Limit

NA - Non-Hazardous (except STS) - Permissible Exposure Limit, PEL - Permissible Exposure Limit

ACGIH - American Conference of Governmental Industrial Hygienists; NIOSH - National Institute of Occupational Safety & Health

OSHA - Occupational Safety & Health Administration

PEL - Permissible Exposure Limit (TWA) - The Institute for 2448

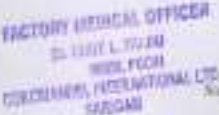


Annexure -5 Medical Checkup Report FORM NO. 3)

(Prescribed under Rule 40-F and 102)

Certificate of Fitness of employment in hazardous process and operations.

(TO BE ISSUED BY FACTORY MEDICAL OFFICER)

Date of Examination		15-03-2024	
1. Serial number in the register of adult workers		0918133	
2. Name of the person examined		Mr. Jai Shankar Singhania	
3. Father's Name		Mr. Shyam Lal Singhania	
4. Sex		Male	
5. Residence		SARIGAM	
6. Date of birth, if available		29-01-1999	
7. Name & address of the factory		Commercial International Limited (Corp. Protection Division) Plot No. 212, CIDC SARIGAM, SOUTH VALSAD, GUJARAT, INDIA	
8. The worker is employed in process		Deputy General Manager - Production	
(a) Hazardous process		Manufacturing technical and Formulations of Pesticide & Specialty Chemicals products	
(b) Dangerous operation		Processes involving construction, use or evolution of carbon disulphide and hydrocarbons, sulphide, HCN and use of various of dangerous pesticides Chemicals	
9. For over 18 yrs -		I certify that I have personally examined the above named person whose identity cannot, under any and who is desirous of being employed in above mentioned process	
10. Remarks and that Worker, age, sex can be ascertained from my examination is given as		40	
11. My opinion is that he is fit for employment in the said manufacturing process/operation.			
12. My opinion is that he is unfit for employment in the said manufacturing process/operation for the reason			
The/He is referred for further examination to the Civil Surgeon.			
The said worker is present at home is			
Signature of the person examined		Signature of Factory Medical Officer	
Impression of the person examined			
I certify that		I signed this certificate if	
I examined the person examined		certificate is not intended, the person for which the worker is considered	
where no claim of exemption is		is	
		he would not be considered	
		Sign and complete document during examination	
		Signature of the Factory Medical Officer with date	
		Date of the Certificate	
Notes:			
1. If declared unfit, action to be taken immediately to the Civil Surgeon.			
2. Certifying Surgeon should communicate his findings in the register with 30 days of the receipt.			
(If Necessary)			

FIRM NO. 21

(Prescribed under Rule 167 and 167C)

Certificate of Fitness of replacement of hazardous process and operations

(TO BE ISSUED BY FACTORY MEDICAL OFFICER)

Date of Examination	05-06-2024
1. Total number of the employee of adult workers :	0000049
2. Name of the person examined :	SH. JAGD KUMAR
3. Worker's Name :	SH. JAGD KUMAR
4 Sex :	Male
5 Residence :	SABROHRI
6 Date of birth, if available :	05-01-1992
7 Name & address of the factory :	COMPOSITE INTERNATIONAL LABORATORY Private Limited, Plot No. 1187, GDC, SARIDAM-SHILSHIL, VALSAD, GUJRAT, INDIA.
8. The worker is employed in/upon :	Deputy Manager - Paperwork
(a) Hazardous process :	Manufacturing chemical and formulation of pesticide & Specialty Chemicals products
(b) Dangerous operation :	Manufacture and manipulation of dangerous pesticides/Chemical Works

I certify that I have personally examined the above named person whose identification number is _____ and who is desirous of being employed in above mentioned process

operation and that he/she, age, sex, is duly ascertained from my examination is years 32 is not suitable for the work for employment in the said manufacturing process/operation. In my opinion he/she is not fit for employment in the said manufacturing process/operation for the reason he/she is referred for further investigations to the Certifying Surgeon. The serial number of previous certificate is _____

Signature of the person examined

Signature of the person examined

FACTORY MEDICAL OFFICER
DR. JAGD K. KUMAR
M.B.B.S., D.C.C.
COMPOSITE INTERNATIONAL LTD.
SABROHRI

Signature of Factory Medical Officer

05-06-2024

Stamp of Factory Medical Officer

With Stamp of the Factory

I certify that	I issued this certificate after careful examination of the person for which the worker is considered unfit for work is to be maintained	Sign and complete attached during examination	Signature of the Factory Medical Officer with date
I examined the person mentioned above on date of examination			

Notes :

1. If a new work certificate should be made immediately to the Certifying Surgeon
2. Copying Surgeon should forward the findings to the employer with 10 days of the receipt of this certificate.

FORM NO. 32

(Prescribed under Section 115C of the Income Tax Act, 1961)

1. Name of the
Member of the
Institution

2. Address of the
Institution

3. Name

4. Place of Birth, Age & Sex

5. Date

6. Name of the
Institution

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General Information					Technical Data				Performance Data				Remarks																			
Item	Description	Unit	Value	Remarks	Item	Description	Unit	Value	Remarks	Item	Description	Unit	Value	Remarks	Remarks																	
REMARKS IF ANY																1	Tested at 1000 rpm	1000 rpm	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
																2	Tested at 1500 rpm	1500 rpm	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
																3	Tested at 2000 rpm	2000 rpm	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
																4	Tested at 2500 rpm	2500 rpm	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500
																5	Tested at 3000 rpm	3000 rpm	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
																6	Tested at 3500 rpm	3500 rpm	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500
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																8	Tested at 4500 rpm	4500 rpm	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500
																9	Tested at 5000 rpm	5000 rpm	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
																10	Tested at 5500 rpm	5500 rpm	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500

By: _____

Signature of the person who tested the engine

Signature of the person who tested the engine

Signature of the person who tested the engine

Signature of the person who tested the engine

Signature of the person who tested the engine



Annexure-8: Training Attendance Sheet



SHIVANSH OCCUPATIONAL HEALTH, SAFETY ENVIRONMENT & QUALITY CONSULTANCY

OSHA AUTHORIZED TRAINING INSTRUCTOR LICENSE NO. OSH/A-0018/2022/174

TRAINING ATTENDANCE SHEET

1. NAME OF THE TRAINING:

HEALTH AND SAFETY TRAINING UNDER SECTION 111 A (II) AS PER FACTORIES ACT 1948

2. The training conducted by: **ALPESH PATEL**

Designation: **HSEQ EXPERT**

Signature: *[Signature]*

Date: **07/07/2024**

Duration: **08 Hrs.**

DATE: **17/07/2024**

LOCATION: **COROMANDEL INTERNATIONAL LTD, SARIKAM - 390155**

3. I understand have attended the training and understand & hereby declare to obey all safety rules and regulations explained in this program.

Sl. NO.	Company Name	Name	Trade	Signature
1	COROMANDEL INTERNATIONAL LTD	MAHARAJ HADOLE	Asst. Manager RC	<i>[Signature]</i>
2	COROMANDEL INTERNATIONAL LTD	SURENDRA SINGH THAKUR	PLANT CHEMIST	<i>[Signature]</i>
3	COROMANDEL INTERNATIONAL LTD	ASHAY KUMAR	Executive Supervisor	<i>[Signature]</i>
4	COROMANDEL INTERNATIONAL LTD	PRADEEP KUMAR	PLANT CHEMIST	<i>[Signature]</i>
5	COROMANDEL INTERNATIONAL LTD	JITESH PUJARI	QC OFFICER	<i>[Signature]</i>
6	COROMANDEL INTERNATIONAL LTD	GARVIL D. BHAMBARE	PLANT CHEMIST	<i>[Signature]</i>
7	COROMANDEL INTERNATIONAL LTD	BHINJIL D. PANGOL	PLANT CHEMIST	<i>[Signature]</i>
8	COROMANDEL INTERNATIONAL LTD	ANANT KUMAR	PLANT CHEMIST	<i>[Signature]</i>
9	COROMANDEL INTERNATIONAL LTD	LINGAMURTHY POTTI	PLANT CHEMIST	<i>[Signature]</i>
10	COROMANDEL INTERNATIONAL LTD	PRAMOD SINGH	PLANT CHEMIST	<i>[Signature]</i>
11	COROMANDEL INTERNATIONAL LTD	DEEPA NATH THAKUR	SR SUPERVISOR	<i>[Signature]</i>
12	COROMANDEL INTERNATIONAL LTD	ABHINAV PATEL	Executive Supervisor	<i>[Signature]</i>



SHIVANSH OCCUPATIONAL HEALTH, SAFETY ENVIRONMENT & QUALITY CONSULTANCY

DOSH AUTHORIZED TRAINING INSTITUTE LICENSE NO. DOSH/A-RULE/2023/174

13	COROMANDEL INTERNATIONAL LTD	NIRANJAN PATEL	WELDER	[Signature]
14	COROMANDEL INTERNATIONAL LTD	SANJAY KUMAR	TECHNICAL	[Signature]
15	COROMANDEL INTERNATIONAL LTD	ANANT TANDOL	EXECUTIVE SUPERVISOR	[Signature]
16	COROMANDEL INTERNATIONAL LTD	SHREYAS PATEL	SENIOR SUPERVISOR	[Signature]
17	COROMANDEL INTERNATIONAL LTD	CHANDAN C. PATEL	EXECUTIVE SUPERVISOR	[Signature]
18	COROMANDEL INTERNATIONAL LTD	SHUBHAM S. PATEL	EXECUTIVE SUPERVISOR	[Signature]
19	COROMANDEL INTERNATIONAL LTD	VISAY SHINWAR	EXECUTIVE SUPERVISOR	[Signature]
20	COROMANDEL INTERNATIONAL LTD	ADARSH N. PATEL	EXECUTIVE SUPERVISOR	[Signature]
21	COROMANDEL INTERNATIONAL LTD	JADUNATH B. SENGH	PLANT CHEMIST	[Signature]
22	COROMANDEL INTERNATIONAL LTD	MANISH KAMET	UTILITY OPERATOR	[Signature]
23	COROMANDEL INTERNATIONAL LTD	JAY PRAKASH GUPTA	UTILITY OPERATOR	[Signature]
24	COROMANDEL INTERNATIONAL LTD	RAMAKANT SINGH	UTILITY OPERATOR	[Signature]
25	COROMANDEL INTERNATIONAL LTD	MANISH S. THAKUR	UTILITY OPERATOR	[Signature]
26	COROMANDEL INTERNATIONAL LTD	MADHUKUTAN K.V	UTILITY OPERATOR	[Signature]
27	COROMANDEL INTERNATIONAL LTD	YASH DESAI	UTILITY OPERATOR	[Signature]
28	COROMANDEL INTERNATIONAL LTD	CHANDRANANT M. Kulkarni	OFFICER PROB	[Signature]
29	COROMANDEL INTERNATIONAL LTD	Umesh Kumar Jaiswal	FIRE MAN	[Signature]
30	COROMANDEL INTERNATIONAL LTD	DEEPAK SHARMA	FIRE MAN	[Signature]
31	COROMANDEL INTERNATIONAL LTD	CHETANKUMAR K. PATEL	QC OFFICER	[Signature]
32	COROMANDEL INTERNATIONAL LTD	BIPAT TARAM PAL	SIMON LAB ASSIST	[Signature]



SHIVANSH OCCUPATIONAL HEALTH, SAFETY ENVIRONMENT & QUALITY CONSULTANCY

DISH AUTHORIZED TRAINING INSTITUTE LICENSE NO. DISH/A-032/2023/174

33	COROMANDEL INTERNATIONAL LTD	GOKUL SINGH	EMS OFFICER	
34	COROMANDEL INTERNATIONAL LTD	HARSHVARDH D. KATKAR	Ass. Manager - Inv.	
35	COROMANDEL INTERNATIONAL LTD	ANSHAY D. PATEL	SR. OFFICER	
36	COROMANDEL INTERNATIONAL LTD	SWASHRATHI RAO	OFFICER	
37	COROMANDEL INTERNATIONAL LTD	PRANESH J. THAKUR	OFFICER	
38	COROMANDEL INTERNATIONAL LTD	UMEH KUMAR GILL	OPRATOR	
39	COROMANDEL INTERNATIONAL LTD	RAMESH RAI	PLANT CAPTAIN	
40	COROMANDEL INTERNATIONAL LTD	ANIL KUMAR SINGH	PLANT CAPTAIN	
41	COROMANDEL INTERNATIONAL LTD			
42	COROMANDEL INTERNATIONAL LTD			
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SHIVANSH OCCUPATIONAL HEALTH, SAFETY & ENVIRONMENT A QUALITY CONSULTANCY

OSHA AUTHORIZED TRAINING INSTITUTE LICENSE NO. DSH/A-BULE/2023/174

TRAINING ATTENDANCE SHEET

1. NAME OF THE TRAINING:

HEALTH AND SAFETY TRAINING UNDER SECTION 111 A (II) AS PER FACTORIES ACT 1948

2. The training conducted by: **ALPESH PAJJI**

Designation: HSEQ EXPERT

Signature:

Date: 07.07.2024

Duration: 08 hrs.

DATE: 18 / 07 / 2024.

LOCATION: CONCOMANDEL INTERNATIONAL LTD, SURGAM - 396155

3. I Undertaken have attended the training and Undertook I hereby agree to obey all safety rules and regulations explained in the program.

SR. NO.	Company Name	Name	Trade	Signature
1	CONCOMANDEL INTERNATIONAL LTD	PRANJ KUMAR, CHAIRMAN	EXECUTIVE SUPERVISOR	
2	CONCOMANDEL INTERNATIONAL LTD	ANIL KUMAR, SENIOR	PLANT OPERATOR	
3	CONCOMANDEL INTERNATIONAL LTD	PAWAN SACHIN	PLANT CHEMIST	
4	CONCOMANDEL INTERNATIONAL LTD	VINOD KUMAR	EXECUTIVE	
5	CONCOMANDEL INTERNATIONAL LTD	SHAMSHAD AHMED ANSARI	OFFICER	
6	CONCOMANDEL INTERNATIONAL LTD	MUHAMMAD HAKIM KHAN	CHEMIST	
7	CONCOMANDEL INTERNATIONAL LTD	HARILAL MAURYA	CHEMIST	
8	CONCOMANDEL INTERNATIONAL LTD	DEEPA KUMAR	CHEMIST	
9	CONCOMANDEL INTERNATIONAL LTD	ADITYA KUMAR	CHEMIST	
10	CONCOMANDEL INTERNATIONAL LTD	VALENTIN S. LAMART	SUPERVISOR	
	CONCOMANDEL INTERNATIONAL LTD	Chintan Jadhav	Officer	
	CONCOMANDEL INTERNATIONAL LTD	Komal Bhai	Officer	



S. K. OCCUPATIONAL HEALTH, SAFETY & ENVIRONMENT & QUALITY CONSULTANCY

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, ISO 9001:2015/17000

31	COROMANDEL INTERNATIONAL LTD	JAGDESH MITAL	EXECUTIVE SUPERVISOR	Handwritten signature
32	COROMANDEL INTERNATIONAL LTD	HIRAN HALPATE	EXECUTIVE SUPERVISOR	Handwritten signature
33	COROMANDEL INTERNATIONAL LTD	PATEL KANESH M.	EXECUTIVE SUPERVISOR	Handwritten signature
34	COROMANDEL INTERNATIONAL LTD	AMIRUDDIN AHMAD	SENIOR OFFICER	Handwritten signature
35	COROMANDEL INTERNATIONAL LTD	PRADIP KUNARISHA	FRONT MAN	Handwritten signature
36	COROMANDEL INTERNATIONAL LTD	SANJAY SINGH	EXECUTIVE	Handwritten signature
37	COROMANDEL INTERNATIONAL LTD	VARMESHWAR YADAV	EXECUTIVE SUPERVISOR	Handwritten signature
38	COROMANDEL INTERNATIONAL LTD	ASHWANT UPADHAY	SUPERVISOR	Handwritten signature
39	COROMANDEL INTERNATIONAL LTD	VIVEK B. GANDE	SUPERVISOR	Handwritten signature
40	COROMANDEL INTERNATIONAL LTD	RAJ B. PANDEY	PELAY	Handwritten signature
41	COROMANDEL INTERNATIONAL LTD	PATEL NAINESH	TECHNICIAN	Handwritten signature
42	COROMANDEL INTERNATIONAL LTD	PATEL ANSHU	AS. FOREMAN	Handwritten signature
43	COROMANDEL INTERNATIONAL LTD	VINOD R. NAYAK	AS. FOREMAN	Handwritten signature
44	COROMANDEL INTERNATIONAL LTD	Jyoti R. Patil	Asst. Engineer	Handwritten signature
45	COROMANDEL INTERNATIONAL LTD	BASWANT GANDHI	Asst. Engineer	Handwritten signature
46	COROMANDEL INTERNATIONAL LTD	MITAL Chavhan	Asst. Engineer	Handwritten signature
47	COROMANDEL INTERNATIONAL LTD	Q. Gopi	Asst. Engineer	Handwritten signature
48	COROMANDEL INTERNATIONAL LTD	SARWAR PRASAD	CADIST	Handwritten signature
49	COROMANDEL INTERNATIONAL LTD	PATEL DADARU KHAIRU	SAFETY SUPERVISOR	Handwritten signature
50	COROMANDEL INTERNATIONAL LTD	PINTU KUMAR SINGH	1st CLASS BOILER ATTENDANT	Handwritten signature





SIVANSH OCCUPATIONAL HEALTH, SAFETY & ENVIRONMENT &
QUALITY CONSULTANCY

3031, ANANDWADI, BLAKINGH, DISTRICT LAKEPUR, PIN- 401604 (M.S.) INDIA

33	COROMANDEL INTERNATIONAL LTD	PATEL KARAN S	FIRE MAN	
34	COROMANDEL INTERNATIONAL LTD	KATEPRIYA MURDASJI	IN CHARGE Baker	
35	COROMANDEL INTERNATIONAL LTD	PRANIL KANTH DOD	Asst. Genl. Foreman	
36	COROMANDEL INTERNATIONAL LTD	VINAYATH SHAIKH	FOREMAN	
37	COROMANDEL INTERNATIONAL LTD	JAGDISH DEKA	SR OPERATOR	
38	COROMANDEL INTERNATIONAL LTD	VIJENDRA PATEL	FIREMAN	
39	COROMANDEL INTERNATIONAL LTD	PRADHAKANTH RAJSE	Gen Manager	
40	COROMANDEL INTERNATIONAL LTD	DR. PRANAV H TALAMSE	Asst. Manager	
41	COROMANDEL INTERNATIONAL LTD			
42	COROMANDEL INTERNATIONAL LTD			
43	COROMANDEL INTERNATIONAL LTD			
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60	COROMANDEL INTERNATIONAL LTD			



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SHIVANSH OCCUPATIONAL HEALTH, SAFETY ENVIRONMENT & QUALITY CONSULTANCY

2028 PAMOROT TRAINING INSTITUTE LICENSE NO. 0204/A-JSR/0023-178

TRAINING ATTENDANCE SHEET

1. NAME OF THE TRAINING:

HEALTH AND SAFETY TRAINING UNDER SECTION 111 A (ii) AS PER FACTORIES ACT 1948

2. The training conducted by: **SHIVANSH**

Designation: HSE EXPERT

Signature:

Date: 05/09/2024

Duration: 08 Hrs.

DATE: 24 / 07 / 2024

LOCATION: COROMANDEL INTERNATIONAL LTD, SARGAM - 386155

3. I understand have attended the training and understood, thereby agree to obey all safety rule and regulations explained in this program.

SR. NO.	Company Name	Name	Trade	Signature
1	COROMANDEL INTERNATIONAL LTD	BANTI P. BTEL	FIRE MAN	B. P. BTEL
2	COROMANDEL INTERNATIONAL LTD	PANNAJ K. VISWANATHAN	Senior Executive Engineer	P. K. VISWANATHAN
3	COROMANDEL INTERNATIONAL LTD	SUNRIT GHOSH	OFFICER	S. GHOSH
4	COROMANDEL INTERNATIONAL LTD	MANKESH ROY	Asst. Manager	M. ROY
5	COROMANDEL INTERNATIONAL LTD	ADIN KUMAR MOHA	MANAGER	A. MOHA
6	COROMANDEL INTERNATIONAL LTD	J. P. JIN	ST. OFFICER	J. P. JIN
7	COROMANDEL INTERNATIONAL LTD	PANNAJ KUMAR	PLANT SUPERVISOR	P. KUMAR
8	COROMANDEL INTERNATIONAL LTD	YAKSHIK BTEL	Senior Executive Engineer	Y. BTEL
9	COROMANDEL INTERNATIONAL LTD	UHAM MESHRAH	PLANT OFFICER	U. MESHRAH
10	COROMANDEL INTERNATIONAL LTD	RANJAY KUMAR BINGH	EXECUTIVE ENGINEER SUPERVISOR	R. BINGH
11	COROMANDEL INTERNATIONAL LTD	PATEL PRAKASHKUMAR SURESHKUMAR	Senior Executive Engineer	P. SURESHKUMAR
12	COROMANDEL INTERNATIONAL LTD	RAKESH C. LAMALI	SENIOR EXECUTIVE SUPERVISOR	R. LAMALI



SHRI VANSE OCCUPATIONAL HEALTH, SAFETY & ENVIRONMENT & QUALITY CONSULTANCY

2020 AUTHORIZED TRAINING INSTITUTE LICENSE NO. DQHA/0001/2020/CM

13	COROMANDEL INTERNATIONAL LTD	JAYESH B GANYAT	FIREMAN	
14	COROMANDEL INTERNATIONAL LTD	MUKESH KISHANRAO VARLE	EXECUTIVE SUPERVISOR	
15	COROMANDEL INTERNATIONAL LTD	GOPAL KRISHNANATHAN	PLANT OPERATOR	
16	COROMANDEL INTERNATIONAL LTD	RAJ KUMAR KUMAR	EXECUTIVE SUPERVISOR	A K
17	COROMANDEL INTERNATIONAL LTD	VINOD K GANES	PLANT OPERATOR	
18	COROMANDEL INTERNATIONAL LTD	DHARMDEO GUPTA	PLANT OPERATOR	
19	COROMANDEL INTERNATIONAL LTD	NAGASH KUMAR VORA	EXECUTIVE SUPERVISOR	
20	COROMANDEL INTERNATIONAL LTD	DATTATRAY CHABRAO KAWADE	DI MANAGER PRODUCTION	
21	COROMANDEL INTERNATIONAL LTD	KARTI D SHIRDI	STEEL SUPERVISOR	S
22	COROMANDEL INTERNATIONAL LTD	NATISH YADAV	PLANT OPERATOR	
23	COROMANDEL INTERNATIONAL LTD	ANURAG SINGH - OPERATOR		
24	COROMANDEL INTERNATIONAL LTD	ANURAG SINGH - OPERATOR	PLANT OPERATOR	
25	COROMANDEL INTERNATIONAL LTD	PANKAJ M. PATEL	CHEMIST	
26	COROMANDEL INTERNATIONAL LTD	MAHAR K PATEL	PLANT SUPERVISOR	
27	COROMANDEL INTERNATIONAL LTD	SANJIT JOSHI	CHEMIST	
28	COROMANDEL INTERNATIONAL LTD	ARYVIND SHIRMA	CHEMIST	
29	COROMANDEL INTERNATIONAL LTD	CHANDRA GARUDA	CHEMIST	
30	COROMANDEL INTERNATIONAL LTD	ARYVIND RAI	EXECUTIVE SUPERVISOR	
31	COROMANDEL INTERNATIONAL LTD	GAUTAM PANDAY	OFFICER	
32	COROMANDEL INTERNATIONAL LTD	PRASAD CHATURVEDI	CHEMIST	



SHIVANSH OCCUPATIONAL HEALTH, SAFETY & ENVIRONMENT & QUALITY CONSULTANCY

ISO 9001:2015 CERTIFIED TRAINING & TESTING LICENSE NO. UNPQA-BE/TEST/2019/01

53	COROMANDEL INTERNATIONAL LTD	RITESH B RATHOD	EX SUPERVISOR	
54	COROMANDEL INTERNATIONAL LTD	VIRAL S. PATEL	INT. ENG. OFFICER	
55	COROMANDEL INTERNATIONAL LTD	DR. SAJJID M. SEMI	SENIOR MANAGER	
56	COROMANDEL INTERNATIONAL LTD	Fahim S. Dey	SA SUPERVISOR	
57	COROMANDEL INTERNATIONAL LTD	ALTAZ SINDHI	SAFETY SUPERVISOR	
58	COROMANDEL INTERNATIONAL LTD	HARSHIT KUMAR TILAK	POSTNAT. INSPECTOR	
59	COROMANDEL INTERNATIONAL LTD	V. H. B. SINGH	EX-SUPERVISOR	
60	COROMANDEL INTERNATIONAL LTD	NARAYAN D. SINGH	CHEMIST	
61	COROMANDEL INTERNATIONAL LTD	VIJAY SINGH	CHEMIST	
62	COROMANDEL INTERNATIONAL LTD	DHARMENDRA SINGH	SR. OPERATOR	
63	COROMANDEL INTERNATIONAL LTD	SHABDI KANT SINGH	OFFICER	
64	COROMANDEL INTERNATIONAL LTD			
65	COROMANDEL INTERNATIONAL LTD			
66	COROMANDEL INTERNATIONAL LTD			
67	COROMANDEL INTERNATIONAL LTD			
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71	COROMANDEL INTERNATIONAL LTD			
72	COROMANDEL INTERNATIONAL LTD			





SHIVANSH OCCUPATIONAL HEALTH, SAFETY & ENVIRONMENT & QUALITY CONSULTANCY

ISO 9001:2015 CERTIFIED TRAINING INSTITUTE LICENSE NO. EXHIBIT-1008/13222758

TRAINING ATTENDANCE SHEET

1. NAME OF THE TRAINING

HEALTH AND SAFETY TRAINING UNDER SECTION 111 A (II) AS PER FACTORIES ACT 1948

2. The training conducted by **ASHUTOSH PATEL**

Designation: **HSEQ EXPERT**

Signature: *[Signature]*

Date: **09/08/2024**

Duration: **08 Hrs.**

DATE: **27/07/2024**

LOCATION: **COROMANDEL INTERNATIONAL LTD, SARIKAM - 396155**

3. Undersigned have attended the training and understood the safety rules and regulations explained in this program.

Sl. NO.	Company Name	Name	Trade	Signature
1	COROMANDEL INTERNATIONAL LTD	SURAJ SINGH	Sr. OFFICER	<i>[Signature]</i>
2	COROMANDEL INTERNATIONAL LTD	AKASH SRIVASTAVA	ASSI MANAGER	<i>[Signature]</i>
3	COROMANDEL INTERNATIONAL LTD	Shamsher Singh	EXCL. BUSINESS	<i>[Signature]</i>
4	COROMANDEL INTERNATIONAL LTD	Ravi L. Yadav	TECHNICIAN	<i>[Signature]</i>
5	COROMANDEL INTERNATIONAL LTD	Chetan J. Yadav	Driving machine	<i>[Signature]</i>
6	COROMANDEL INTERNATIONAL LTD	SANJAY KUMAR JADAV	OFFICER	<i>[Signature]</i>
7	COROMANDEL INTERNATIONAL LTD	Deviy B. Thakur	Sr. Off. Cct (Rail)	<i>[Signature]</i>
8	COROMANDEL INTERNATIONAL LTD	VINOD B. NIKAM	OFFICER (MOD)	<i>[Signature]</i>
9	COROMANDEL INTERNATIONAL LTD	JITENDRA HATK	ASST. MANAGER	<i>[Signature]</i>
10	COROMANDEL INTERNATIONAL LTD	VARUN KARAN D.	ELECTRICIAN	<i>[Signature]</i>
11	COROMANDEL INTERNATIONAL LTD	MAHESH R. PATEL	Plant Chemist	<i>[Signature]</i>
12	COROMANDEL INTERNATIONAL LTD	TANUJ M. J.	Production Sup.	<i>[Signature]</i>



SHIVANSH OCCUPATIONAL HEALTH, SAFETY ENVIRONMENT &
QUALITY CONSULTANCY

ISO 9001:2015 CERTIFIED TRAINING INSTITUTE LICENSE NO. EXHA/IA-808/2022/174

13	COROMANDEL INTERNATIONAL LTD	Jitendra G Patel	SUPERVISOR	
14	COROMANDEL INTERNATIONAL LTD	SATISHBHAI C. PATIL	OFFICER	
15	COROMANDEL INTERNATIONAL LTD	JAGDEESH-H SHYAM	Dr. Chemist	
16	COROMANDEL INTERNATIONAL LTD	CHIRREYAM TIWARI	OFFICER	
17	COROMANDEL INTERNATIONAL LTD	VIJAY D MORE	SUPERVISOR	
18	COROMANDEL INTERNATIONAL LTD	HARENDRA TIWARI	SHIFT INCHARGE	
19	COROMANDEL INTERNATIONAL LTD	KALISH R. PATIL	SUPERVISOR	
20	COROMANDEL INTERNATIONAL LTD	MANMAD H. PATEL	OFFICER	
21	COROMANDEL INTERNATIONAL LTD	SUDAMA PRAVIN HARISE	Plant Operator	
22	COROMANDEL INTERNATIONAL LTD	SHARM YEE SINGH	EXCU SUPERVISOR PRODUCTION	
23	COROMANDEL INTERNATIONAL LTD	Deep Sachin Bawa	Senior OFFICER	
24	COROMANDEL INTERNATIONAL LTD	MANOJ CHALGANI	SE SUPERVISOR	
25	COROMANDEL INTERNATIONAL LTD	Ganesh S. Puro	OPERATOR	
26	COROMANDEL INTERNATIONAL LTD	SARAJ KUMAR SENGUPTA	SR. EXECUTIVE	
27	COROMANDEL INTERNATIONAL LTD	APRIL RANDESHI MCHYS	JE EXECUTIVE	
28	COROMANDEL INTERNATIONAL LTD	ANILKANT SENGUPTA MCHYS	JA EXECUTIVE	
29	COROMANDEL INTERNATIONAL LTD	Rohankumar GARG	OFFICER (PROD)	
30	COROMANDEL INTERNATIONAL LTD	Rohit Jitendra D	PRODUCTION	
31	COROMANDEL INTERNATIONAL LTD	RAHUL R. ASALYA	FIRE MAN	
32	COROMANDEL INTERNATIONAL LTD	ANIL HEND A	JE EXECUTIVE	



SHIVANSH OCCUPATIONAL HEALTH, SAFETY ENVIRONMENT &
QUALITY CONSULTANCY

ISO 9001:2015 CERTIFIED COMPANY REG. NO. 2020/14-00000000000000000000

33	COROMANDEL INTERNATIONAL LTD	UPENDRA KUMAR JHA	As FORMEN	Upendra
34	COROMANDEL INTERNATIONAL LTD	RANJIT KUMAR JHA	As FORMEN	Ranjit
35	COROMANDEL INTERNATIONAL LTD	RAMAKRISHNA SHAN	SR OFFICER	Ram
36	COROMANDEL INTERNATIONAL LTD	RAHUL VARMAH PATIL	SA OFFICER	Rahul
37	COROMANDEL INTERNATIONAL LTD	AMIT A SINGH	OFFICER	Amit
38	COROMANDEL INTERNATIONAL LTD	Shivendra Patel	As FORMEN	Shivendra
39	COROMANDEL INTERNATIONAL LTD	HARSHIL KADHAL	As FORMEN	Harshil
40	COROMANDEL INTERNATIONAL LTD	DINESH KUMAR	As FORMEN	Dinesh
41	COROMANDEL INTERNATIONAL LTD	ARYA VISHWAKSANA	As FORMEN	Arya
42	COROMANDEL INTERNATIONAL LTD	RAJULI CHANDRA	EX-SUPERVISOR	Rajuli
43	COROMANDEL INTERNATIONAL LTD	UPENDRA KUMAR VERMA	As FORMEN	Upendra
44	COROMANDEL INTERNATIONAL LTD	VISHAY M. SINGH	As FORMEN	Vishay
45	COROMANDEL INTERNATIONAL LTD	PARVATHI RAJ	As FORMEN	Parvathi
46	COROMANDEL INTERNATIONAL LTD	Rajul Sharma	As FORMEN	Rajul
47	COROMANDEL INTERNATIONAL LTD	Rajul Sharma	As FORMEN	Rajul
48	COROMANDEL INTERNATIONAL LTD	Bharat Kumar	As FORMEN	Bharat
49	COROMANDEL INTERNATIONAL LTD	Rajul Sharma	As FORMEN	Rajul
50	COROMANDEL INTERNATIONAL LTD	DIVYESH DANDAL	As FORMEN	Divyesh
51	COROMANDEL INTERNATIONAL LTD	Shivendra Patel	As FORMEN	Shivendra
52	COROMANDEL INTERNATIONAL LTD	DINESH KOLI	As FORMEN	Dinesh



SHIVANSH OCCUPATIONAL HEALTH SAFETY ENVIRONMENT &
QUALITY CONSULTANCY

ISO 9001:2015 CERTIFIED INSTITUTION LICENSE NO. CDHQA-KHLE-00011378

MANGU K. PATEL Supervisor

SHIVANSH K. DATED 02/04/2024

Sandeep A Vaidya Sr. officer

HARSH A. PATEL Sr. Assistant

NISHA K. PATEL Sr. Assistant

SHIVANSH K. PATEL Sr. Assistant

SHIVANSH K. PATEL Sr. Assistant

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SHIVANSH K. PATEL Sr. Assistant

SHIVANSH K. PATEL Sr. Assistant



Annexure-7 (Process Stack Emission Monitoring)

Stack stream/s	Stack height (m)	Air pollution control system	Parameter	Unit/Limit	April-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21
HCl Gas Generator & Storage tank	11	Water Scrubber	HCl	20 mg/Nm ³	6.3	ND	2.38	1.56	1.38	1.4
			Cl ₂	20 mg/Nm ³	2.55	ND	ND	2.11	1.91	2.17
			SO ₂	20 mg/Nm ³	ND	ND	ND	ND	ND	ND
HCl Gas Generator & Storage tank	10	Water Scrubber	HCl	20 mg/Nm ³	11.34	8.05	3.03	1.75	10.23	4.37
			SO ₂	20 mg/Nm ³	23	23	23	23	23	23
			Cl ₂	20 mg/Nm ³	13.08	11.1	14.38	6.15	17.04	15.52
Hydrochloric Acid Generator	10	Water Scrubber	SO ₂	20 mg/Nm ³	ND	ND	ND	ND	ND	ND
			Cl ₂	20 mg/Nm ³	ND	ND	ND	ND	ND	ND
			HCl	20 mg/Nm ³	23	23	23	23	23	23
Sulphur Dioxide	10	Sulphuric Acid Scrubber	SO ₂	20 mg/Nm ³	10.83	-	10.3	-	21.8	10.10
			Cl ₂	20 mg/Nm ³	ND	-	ND	-	ND	0.7
			HCl	20 mg/Nm ³	9.48	12.4	12.34	1.23	10.21	1.14
Hydrochloric Acid Characterisation tank	10	Water Scrubber	HCl	20 mg/Nm ³	1.81	ND	ND	0.83	1.22	2.20
			Cl ₂	20 mg/Nm ³	2.78	ND	2.88	0.23	0.88	1.70
			SO ₂	20 mg/Nm ³	23	23	23	23	23	23
Aluminium Chloride Reactor Bottom & Phos. Separator	10	Wegman	SO ₂	20 mg/Nm ³	24	24	24	24	24	24
			HCl	20 mg/Nm ³	8.84	ND	8.28	1.88	2.28	1.28
			Cl ₂	20 mg/Nm ³	ND	ND	ND	2.3	2.6	2.01
HCl Storage tank	11	Water Scrubber	HCl	20 mg/Nm ³	2.07	ND	2.38	0.19	1.1	2.18
Chlorine Gas	11.5	Water Scrubber	Cl ₂	20 mg/Nm ³	2.07	ND	2.38	0.19	1.1	2.18

Notes: ND=Not Detected; -=Not available

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Annexure-B (Ambient Noise Monitoring)

MONTH OF SAMPLING	SAMPLING DONE BY	LOCATION OF SAMPLING	Day Time	Night Time
			70 dBA	70 dBA
May 24	KEC	Nr. Main Gate	66.4	57.2
	KEC	Nr. Store	64.7	62.4
	KEC	Nr. Gate 02	66.8	61.2
	KEC	Nr. ETP	62.7	55.2
	KEC	Nr. Go Down	62.4	56.4
Aug 24	KEC	Nr. Main Gate	62.4	53.7
	KEC	Nr. Store	66.7	61.8
	KEC	Nr. Gate 02	66.4	62.4
	KEC	Nr. ETP	61.7	62.5
	KEC	Nr. Go Down	62.4	56.8

KEC - Kadam Environmental Consultants

* Third party monitoring once in a quarterly basis