



**ANDHRA PRADESH POLLUTION CONTROL
BOARD**
Paryavaran Bhavan, APIIC Colony Road,
Gurunanak Colony, Autonagar, Vijayawada- 520007
Website: <https://pcb.ap.gov.in/>



RENEWAL OF CONSENT TO OPERATE & HAZARDOUS WASTE AUTHORIZATION ORDER

Consent Order No:584868/APPCB/VSP/SKLM/114/HO/CTO/2026 11-03-2026

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

M/s. NACL Industries Limited, (Phase-I)
Plot No. 177, ArinamaAkkivalasa (V),
Allinagaram Post, Etcherla (M),
Srikakulam District
E-mail: Seshagiri@naclind.com

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

i. Outlets for discharge of effluents:

Outlet No.	Outlet Description	Max Daily Discharge (KLD)	Point of Disposal
1	HTDS effluents – Process water – 148.3 KLD+ Scrubber effluent-32 KLD + Raw Water Pre-treatment Rejects- 75 KLD	255.3	To Steam stripper followed by evaporation in Multiple Effect Evaporators <ul style="list-style-type: none"> • MEE condensate shall be sent to biological ETP. • MEE concentrate shall be sent to ATFD. • ATFD & Rotary Kiln salts shall be disposed to the TSDF / Cement plants for co-processing through APEMCL.
2	LTDS Effluents - Washings	260	<ul style="list-style-type: none"> • The Biological ETP

	30 KLD + Boiler Blow downs 15 KLD + Contaminated steam from boiler 75 KLD + Cooling Tower Blow downs 140 KLD		consists of Ammonia Stripper followed by Bio-Reactor (SBR) stage – I followed by SBR Stage – II and Clarifier then fed to the RO plants • After Biological ETP, treated effluents shall be sent to RO plants. • RO Rejects to MEE followed by ATFD / Spray Drier. • RO Permeate to reuse for process / cooling tower makeup.
3	Domestic effluent	25	
	Total	540.3 KLD	

ii) Emissions from chimneys:

Chimney No	Description of chimney
1	Attached to 1x 6 TPH Oil fired boiler
2 (Common Stack)	Attached to 1x 16 TPH Coal Fired Boiler
	Attached to 1x 10 TPH Coal fired boiler
3	Attached to 1x 10 TPH Hot oil heater
4 (Common stack)	Attached to 90 TPD Rotary Kiln Incinerator followed by incineration and spray drier
	Attached to 30 TPD Incinerator (Stand by)
5	Attached to 1500 KVA DG set
6	Process Emissions

iii) Hazardous Waste Authorisation (Form – II) [See Rule 6 (2)]:

M/s. NACL Industries Limited, Plot No. 177, Arinama Akkivalasa (V), Allinagaram Post, Etcherla (M), Srikakulam is hereby granted an authorization to operate a facility for generation, collection, reception, storage, treatment, transport and disposal of Hazardous Wastes namely:

• Hazardous Waste with Disposal Option:

S.No	Name of hazardous waste	Stream	Quantity	Method of disposal
1.	Organic residue	29.1 of Schedule-I	377.6TPM	Shall be incinerated in their own premises /Authorised plants cement for
2.	Distillation	20.3 of	164.8TPM	

	Bottom Residue	Schedule -I		coprocessing/AFRF for pre-processing and onward disposal to cement industries for co-processing through M/s. APEMCL.
3.	Organic-Stripper Distillate	37.3 of Schedule -I	302 KLM	
4.	Spent Carbon	36.2 of Schedule -I	3.4TPM	
5.	ETP Sludge	35.3 of Schedule-I	18.5 TPM	Shall be routed through M/s. APEMCL so as to send to TSDF, Parawada, Visakhapatnam District for Secured land filling. (as Landfillable waste)
6.	Incineration ash	37.2 of Schedule -I	12TPM	
7.	Spent Mixed Solvents	29.4 of Schedule-I	984 TPM	Shall be routed through M/s. APEMCL so as to send to authorized SRS units or Cement Plants for co-processing through APEMCL/Incineration in their own premises

• **Hazardous Waste with Disposal Option:**

S.No	Name of hazardous waste	Stream	Quantity	Method of disposal
1.	Inorganic salts from process	29.1 of Schedule-I	206.6 TPM	Shall be routed through M/s. APEMCL to authorized Re-processors / Recyclers / to the Cement industries for co-processing in the kiln.
2.	Evaporation Salts (including salts from scrubbers)	35.3 of Schedule-I	881.3 TPM	
3.	Spent Catalyst	29.5 of Schedule-I	2.8 TPM	
4.	Hyflow	35.1 of Schedule -I	0.3 TPM	
5.	Spent Solvent	29.4 of Schedule-I	4860 TPM	Shall be recovered in solvent recovery plant within the premises/to authorized SRS units through M/s. APEMCL.
6.	Waste Oil	5.1 of Schedule-I	8 Kg/month	Shall be used as lubricant within the premises/to authorized recyclers/cement industries through M/s. APEMCL

				/Incineration in their own premises.
7.	a. Detoxified Container/Liners HDPE Carboys) Fiber Drums.	33.1 of Schedule-I	15000 No.s/Annum 6800 No.s/Annum	After complete detoxification, shall be routed through M/s. APEMCL so as to send to outside agencies, for re-use /recycle. (as recyclable waste) /To TSDF for detoxification and disposal through M/s. APEMCL.
8.	Used batteries	17 of Schedule-IV	380 No's/Annum	Shall be returned to dealers on buy back policy / authorized recyclers as per Battery Waste Management Rules, 2022.

This consent order is valid for manufacturing the following products along with quantities indicated only:

S.No	Name of the product	Group -1	Group-2	Group-3	Group-4	Group-5	Group-6	Group-7	Group-8	Group-9	Group-10
		(TPD)									
1	2,4 –Dihydro– 5-methoxy -4-methyl 3 H, 1,2,4 triazole-3-one (MMT)	0.5	-	0.29	0.07	0.29	0.29	0.36	0.36	0.36	0.04
2	(8E,10E) – Dodoca-8, 10-dyen-1-ol	0.14	0.04	0.04	0.04	0.36	-	-	-	0.04	0.04
3	(Z)-hezatec – 11-en-1-yl acetate	0.14	0.04	0.04	0.04	0.29	-	-	-	0.36	0.04
4	(Z)-hezatec – 9-enal	0.07	0.04	0.04	0.04	-	-	-	0.36	0.04	0.04
5	(Z)-Octadeca – 13 – enyl acetate	0.14	0.04	0.04	0.04	-	-	-	-	0.36	0.04
6	1,2 Pentanediol	1.64	-	2	1.43	1.78	1.4	1.78	1.07	1.78	1.43
7	7E, 9Z dodoca dienyl acetate	0.14	0.04	0.04	0.04	-	-	-	0.36	0.36	0.04
8	7Z,11Z hexadecadienyl acetate	0.14	0.04	0.04	0.04	-	-	-	0.36	0.04	0.04
9	8Z Dodecynyl acetate	0.14	0.04	0.04	0.04	-	-	0.36	-	0.04	0.04
10	Atrazine	0.43	-	0.43	0.36	-	-	0.43	0.43	0.43	0.43
11	Azoxystrobin	0.36	1.43	-	-	1.28	1.6	1.43	0.5	1.43	0.71
12	Bensulfuron Methyl	0.21	0.07	-	-	-	-	-	0.5	-	-
13	Bifenthrin	0.14	0.57	0.07	0.36	0.57	0.07	-	0.57	-	0.57
14	Bispyribec Sodium	0.36	0.36	0.4	0.18	0.25	0.4	-	0.29	-	-
15	Clethodim	0.29	0.36	-	-	0.36	-	-	0.36	-	0.36
16	Clodinofop-Propargyl	0.71	0.57	0.85	0.36	0.29	0.85	0.71	-	0.71	0.71
17	CloquintocetMexyl	-	0.71	0.07	-	0.71	0.07	-	0.36	0.14	0.71
18	Cyproconazole	1.43	2.85	0.71	1	2.85	0	2.85	-	2.5	0.71
19	Difenoconazole	2.14	-	-	2.85	2.28	-	2.14	2.85	1.43	0.71
20	Diuron	0.14	0.36	0.04	0.04	0.36	-	-	-	0.36	0.04
21	Epoxiconazole	2.85	-	-	-	1.57	-	0.5	-	2.85	0.55
22	Fenbuconazole	0.36	-	0.21	0.07	-	-	-	0.5	-	0.14

23	Flucarbazone Sodium	0.36	0.29	0.5	0.36	0.57	0.53	0.57	0.57	0.36	0.5
24	Glufosinate Ammonium	-	0.14	-	-	-	-	-	0.14	-	0.14
25	Lambda Cyhalothirin	0.57	0.57	0.2	0.53	0.57	0.2	0.57	0.36	0.36	0.36
26	Metribuzin	0.71	1.07	1	0.01	0.71	0.6	1.07	1.07	-	1.07
27	Myclobutanil	0.36	0.57	0.36	0.36	0.57	0.36	0.71	0.5	-	0.57
28	Omethoate	0.36	0.57	0.5	0.57	0.5	0.5	0.43	0.43	0.5	0.57
29	Pinoxulam	0.14	0.21	-	-	-	-	-	0.36	-	0.36
30	Pretilachlor	4.14	4.99	6.5	3.57	4.28	4	4.99	1.43	3.57	4.99
31	Profenofos	11.06	10.2	18.5	14.27	10.7	25	8.84	14.49	10.06	10.7
32	Propiconazole / Bromoketal (Intermediate)	0.01	2.85	4	1.43	2.14	3	2.85	2.85	2.14	2.14
33	Pymetrozine	0.36	0.36	0.36	0.36	0.36	0.36	-	0.21	-	0.29
34	Quizalofop-p-ethyl	0.71	0.36	0.64	0.71	0.43	0.1	0.36	0.5	0.71	0.71
35	Thiamethoxam	1.43	2.85	2	2.85	1.63	1.7	2.35	1.43	1	2.85
36	Thifluzomide	0.36	0.57	0.8	0.57	0.57	0.1	0.57	0.5	0.57	0.57
37	Triazinone / Thiocarbohydrazide/ Dichloro Pinacolone /Pinacolone	0.36	0.29	-	0.71	0.5	0.07	0.5	0.5	0.5	0.36
38	Tricyclazole	1	1.78	2.3	1.78	2.5	-	1.93	1.43	1	1.78
39	Trifloxystrobin	0.36	1.43	-	-	-	-	-	0.5	0.71	0.36
40	Verbinone	0.14	0.04	0.04	0.36	-	-	-	0.36	0.04	0.04
41	R&D Products	0.07	0.07	0.07	0.07	0.21	0.07	0.21	0.07	0.21	0.07
42	1,3-difluorobenzene	0.71	-	0.06	0.71	0.71	0.1	0.36	0.36	0.07	-
43	2,4 difluoro aniline	0.07	0.07	-	0.07	0.07	0.07	0.71	0.07	0.07	0.07
44	2,4-Difluorobenzylamine	0.07	-	0.01	0.36	0.04	0.5		0.71	0.71	0.71
45	2,6 Difluoroaniline	0.36	-	0.01	0.36	-	0.1	0.71	0.71	0.36	0.36
46	2-Amino-5- chloro-3-methyl Benzoic Acid	0.36	0.71	0.1	0.71	0.5	0.43	0.43	0.43	0.21	0.71
47	2-Fluoroaniline	0.57	0.07	0.01	0.36	-	0.71	-	-	0.71	-
48	3,4 difluoro aniline	0.71	-	0.01	0.36	-	-	0.57	-	0.71	-
49	3,5-difluoro aniline	0.36	0.71	0.1	0.71	0.5	0.43	0.43	0.43	0.5	0.71
50	3-methyl-2-aminobenzoic acid	-	0.07	-	-	-	-	0.14	-	0.14	0.07
51	3-Propoxy-4-methyl-1H-1,2,4-triazol-5-one	0.36	0.29	0.29	0.29	0.29	0.29	-	0.29	0.29	0.29
52	4,6-Dichloro pyrimidine-DCP	0.57	0.57	0	0.57	-	0	-	-	0	0.29
53	4-Fluoroaniline	0.36	0.29	0.01	0.36	0.57	0.01	0.71	0.57	0.36	0.5
54	4-Fluoro-N-Isopropyl Aniline	0.07	0.14	0.14	-	0.14	0.14	0.07	-	-	0.14
55	Bixafen	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.21	0.07
56	Chlorantraniliprole	0.71	0.29	0.1	0.36	0.57	0	0.3	0.57	0.36	0.5
57	Chlorathalonil	0.36	0.71	0.1	0.71	0.5	0.21	0.43	0.43	0.5	0.71
58	Cyantraniliprole	0.71	0.71	0.36	0.71	0.5	0.15	0.43	0.43	0.5	0.71
59	Cyhalofop-butyl	0.71	-	0.71	0.57	-	0.1	0.43	0.43	1	-
60	Diacetone-	-	0.36	-	-	0.71	-	-	-	-	-

61	acrylamide Dinotefuran	-	0.07	-	-	0.07	-	-	0.06	-	-
62	Fluxapyroxad	0.36	-	0.36	0.36	-	0.36	-	0.36	0.36	0.36
63	Haloxypop-I-Methyl (HLF)	0.71	0.36	0.36	0.36	-	0.5	1	0.71	0.71	0.71
64	Indoxacarb	0.29	0.29	-	0.29	0.29	0.29	0.29	0.29	0.29	0.29
65	Isoxaben	0.14	0.29	-	0.29	0.14	0.29	0.29	0.29	0.21	0.29
66	KKACID	0.1	0.71	0.09	0.36	-	0.06	-	0.71	0.71	0.71
67	Mandipropamid	0.07	0.29	0.07	0.07	0.07	0.14	0.36	0.21	0.36	-
68	Oxyfluorfen	0.07	-	-	-	-	-	0.14	-	0.14	-
69	Picoxystrobin	0.5	0.5	0.01	0.36	0.21	0	0.5	-	0.36	0.5
70	Pinoxaden	0.07	0.07	0.07	0.07	-	0.07	-	0.07	0.07	0.07
71	Propaquizafop	1	0.71	0.1	0.71	0.71	0	0.71	0.71	0.71	-
72	Pyraclostrobin	1	1.18	0.01	0.36	0.21	0.01	0.71	0.57	0.36	1.43
73	Pyriothiobac sodium	0.07	0.29	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
74	Pyroxasulfone	0.07	-	0.1	0.07	0.07	0.07	0.07	0.07	0.07	0.07
75	R-(+)-2(4- hydroxyphenoxy)	0.18	-	-	0.07	-	-	-	-	-	0.07
76	Tebufenozide	-	-	-	0.07	-	-	-	0.18	-	0.07
77	Tembotrione	0.07	-	-	0.14	-	-	-	0.07	-	0.14
78	Tolfenpyrad	-	-	-	-	0.25	-	-	-	0.36	-
79	Topramezone	-	0.21	0.36	0.36	0.06	0.36	0.36	0.36	0.36	0.36
	Total	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8

*The industry shall produce total of 79 Products for Phase-I @ 46.8 TPD in 10 groups at any point of time. The total production shall not exceed 46.8 TPD as permitted in the EC order, dated 26.11.2022.

II: Bio Based Agro Chemicals

S.No.	Name of Product	Quantity in TPD
1	Pseudomonas Fluorosense+ Bacillus Subtilis	0.17
2	Trichoderma Harzianum+Verticillium chlamydosporium	0.17
3	Ampelomyces quisqualis+BeauveriaBassiana	0.17
4	Beauveria bassiana+ Metarhizium anisopliae	0.17
5	Beauveriabassiana	0.17
6	Metarhiziumanisopliae	0.17
7	Verticilliumlecanii+BeauveriaBassiana	0.17
8	Hirsutellathompsonii+BeauveriaBassiana	0.17
9	Hirsutellathompsonii	0.17
	Total	1.53
III.	CaptiveCo-generationpowerplant	6MW

Agrochemicals Formulations:

S.No.	Name of the product	Capacity
1	Granules	20000 MT/ Year
2	Liquids	25000 KL / Year

3	Powders	5000 MT/ Year
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By-Products –PHASE I*

By-Product	Group	Group	Group	Group	Group	Group	Group	Group	Group	Group
	- 1	- 2	- 3	- 4	- 5	- 6	- 7	- 8	- 9	- 10
	(Kg/day)									
Hydrochloric Acid (30%)	89.0	71.2	0.0	177.9	711.6	17.8	889.6	266.9	355.8	89.0
NASH solution	46.4	37.1	0.0	92.8	371.1	9.3	463.8	139.1	185.5	46.4
NaBR Solution (30%)	7305.6	6740.0	8719.5	9427	7069.9	11783.2	5844.5	11359.0	6645.7	7069.9
Potassium Chloride	294.2	196	294.2	392	314	196	294.2	392	196	98.1
Potassium Bicarbonate	223.0	148.6	223.0	297.3	237.8	148.6	223.0	297.3	148.6	74.3
Dil. HCl (25%) from Scrubbers	1115.0	854.4	1206.2	1229.6	969.9	1038.6	820.7	967.2	1239.0	1077.2
HBr (25%) from Scrubbers	653	689.8	845.9	750.9	616.1	1025.0	586.1	988.8	620.6	678.0

The industry shall submit disposal (sale) details of the above by-products every month to the concerned Regional Office & Zonal Office. In case the by-products cannot be sold in the market due to any reasons, the by-products shall be treated as waste and disposed as per the norms.

The issue of CTO&HWA (Renewal) order to the industry was placed in the Consent Management Committee meeting held on 25.02.2026. The committee has agreed to issue CTO & HWA (Renewal) with the following conditions:

1. The industry shall connect the online pH meters provided to multi stage scrubbers to APPCB website within 15 days.
2. The industry shall dispose distillate bottom residue and ETP sludge from time to time in compliance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and its amendments thereof.
3. The industry shall take all preventive measures to control odour nuisance as per the study report and shall submit compliance to RO, Srikakulam.
4. The industry shall recycle the treated wastewater and ensure ZLD system.
5. This order is subject to the provisions of 'the Acts' and the Rules' and orders made there under and further subject to the terms and conditions incorporated in the schedule A, B & C enclosed to this order.

This combined order of consent & Hazardous Waste Authorization shall be valid for a period ending with the **28th day of February, 2028.**

**S SRISARAVANAN, I.F.S
MEMBER SECRETARY**

**To
M/s. NAEL Industries Limited,**

**Plot No. 177, ArinamaAkkivalasa (V),
Allinagaram Post, Etcherla (M),
Srikakulam District**

Copy to:

1. The Chairman, APPCB, **Vijayawada** for information.
2. The JCEE, Zonal Office, **Visakhapatnam** for information and necessary action.
3. The Environmental Engineer, Regional Office, **Srikakulam** for information and necessary action.

SCHEDULE-A

1. Any up-set condition in any industrial plant / activity of the industry, which result in, increased effluent / emission discharge and/ or violation of standards stipulated in this order shall be informed to this Board, under intimation to the Collector and District Magistrate and take immediate action to bring down the discharge / emission below the limits.
2. The industry should carryout analysis of waste water discharges or emissions through chimneys for the parameters mentioned in this order on quarterly basis and submit to the Board.
3. All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991 should be followed as applicable.
4. The industry should put up two sign boards (6x4 ft. each) at publicly visible places at the main gate indicating the products, effluent discharge standards, air emission standards, hazardous waste quantities and validity of CTO and exhibit the CTO order at a prominent place in the factory premises.
5. Notwithstanding anything contained in this consent order, the Board hereby reserves the right and powers to review / revoke any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board.
6. The industry shall ensure that there shall not be any change in the process technology, source & composition of raw materials and scope of working without prior approval from the Board.
7. The applicant shall submit Environment statement in Form V before 30th September every year as per Rule No.14 of E(P) Rules, 1986 & amendments thereof.
8. The applicant should make applications through Online for renewal of Consent (under Water and Air Acts) and Authorization under HWM Rules at least 120 days before the date of expiry of this order, along with prescribed

fee under Water and Air Acts and detailed compliance of CTO conditions for obtaining Consent & HW Authorization of the Board.

9. The industry should immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions. Any change in the management shall be informed to the Board. The person authorized should not let out the premises / lend / sell / transfer their industrial premises without obtaining prior permission of the State Pollution Control Board.
10. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules 1982, to Appellate authority constituted under Section 28 of the Water(Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air(Prevention and Control of Pollution) Act, 1981.
11. The industry shall be liable to pay Environmental Compensation / Other Environmental Taxes, if any environmental damage caused to the surroundings, as fixed by the Collector & District Magistrate or any other competent authority as per the Rules in vogue.
12. The industry may explore the possibility of tapping the solar energy for their energy requirements.
13. The industry should educate the workers and nearby public of possible accidents and remedial measures.

SCHEDULE-B

The issue of CTO&HWA (Renewal) to the industry was placed in the Consent Management Committee meeting held on 25.02.2026. The committee recommended to issue CTO&HWA order to the industry with the following conditions:

1. The industry shall connect the online pH meters provided to multi stage scrubbers to APPCB website within 15 days.
2. The industry shall dispose distillate bottom residue and ETP sludge from time to time in compliance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and its amendments thereof.
3. The industry shall take all preventive measures to control odour nuisance as per the study report and shall submit compliance to RO, Srikakulam.
4. The industry shall recycle the treated wastewater and ensure ZLD system.

Water Pollution:

5. The source of water supply is Ground water and River Nagavali. The following is the permitted water consumption:

S No.	Purpose	Quantity (KLD)
1	Process	140.7
2	Washings	33
3	Scrubber	60
4	Boiler Feed	310
5	Cooling Tower	520
6	RO / DM Plant regeneration	75
7	Domestic	30
8	Gardening	40
	Total	1208.7
		The industry shall consume 693.7 KLD fresh water and 515 KLD recycled water (max).

Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for each of the purposes mentioned above.

6. The industry shall maintain separate electromagnetic flow meters for assessing the water consumption used and waste water generation for Process, Reactor & Floor Washings, Scrubber, Boiler Blow down, Cooling Tower Blow down RO/DM Plant and Domestic purposes and maintain records for the same.
7. The industry shall collect the effluent streams in above ground level collection tanks separately.
8. Container & Container liners shall be detoxified at the specified covered platform with dyke walls and the wash wastewater shall be routed to collection tank after characterization.
9. The industry shall maintain rainwater runoff tank for collection and storage of first flush storm water. The industry shall maintain dry condition outside drains in non-rainy season. Storm water shall be channelized through separate drains passing through a HDPE lined pit having capacity of 10 minutes (hourly average) of rainfall
10. The industry shall maintain 3 Nos. of piezo wells in the industrial premises to check the ground water quality at regular intervals and submit the report to RO, Srikakulam
11. The industry shall carry out the monitoring for all Pesticides which are being produced or proposed to be produced in the ground water at regular intervals in the upstream and down streams of the industry. The consolidated monitoring results shall be submitted to the concerned Regional Office,

APPCB.

12. The industry shall maintain flow meter and web camera at the outlet of RO permeate as per CPCB directions dated 05.02.2014 / 02.03.2015 and same connected to CPCB & APPCB websites.
13. The industry shall maintain hood on the top of the equalization tank and vent connected to the scrubber.
14. The industry shall build up in TDS in waste water or floor washings of the incinerator shall not exceed 1000 mg/lit over and above the TDS of raw water without fail.
15. The industry shall ensure that effluents shall not be discharged onland or any water bodies or aquifers or outside under any circumstances. Floor washings shall be admitted into effluent collection system only and shall not be allowed to find their way into storm water drains or open areas.

AIR POLLUTION:

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

Chimney No.	Parameter	Emission Standards
2	Particulate Matter	115 mg/Nm ³
4	Particulate Matter	50 mg/Nm ³
	HCl	50 mg/Nm ³
	SO ₂	200 mg/Nm ³
	CO	100 mg/Nm ³
	Total Organic Carbon	20 mg/Nm ³
	HF	4 mg/Nm ³
	NO _x	400 mg/Nm ³
	Hydrocarbons	10 PPM
	Dioxins/Furans	0.1 ng TEQ/Nm ³
	Metals	
	Cd + Th (and its compounds)	0.05 mg/Nm ³
	Hg (and its compounds)	0.05 mg/Nm ³
	Sb + As + Pb + Cr + Co + Cu + Mn + Ni + V (and its compounds)	1.5 mg/Nm ³
	* All monitored values shall be corrected to 11 % Oxygen on dry basis. The CO ₂ concentration in tail gas shall not be less than 7 %	
	HCl	20 mg/Nm ³
	Cl ₂	5 mg/Nm ³
	H ₂ S	5 mg/Nm ³

6	P ₂ O ₅ (as H ₃ PO ₄)	10 mg/Nm ³
	NH ₃	30 mg/Nm ³
	Particulate matter with pesticides compounds	20 mg/Nm ³
	CH ₃ Cl	20 mg/Nm ³
	HBr	5 mg/Nm ³

17. The industry shall comply with ambient air quality standards of PM10 (Particulate Matter size less than 10 micro grams) - 100 micro gram/ m³; PM2.5 (Particulate Matter size less than 2.5 micro grams) - 60 micro gram/ m³; SO₂ - 80 micro gram/ m³; NO_x - 80 micro gram/ m³, Ammonia – 400 micro gram/ m³; Benzene- 5 micro gram/ m³; at the periphery of the industry. Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009.

Noise Levels: Day time - (6 AM to 10 PM) - 75 dB (A)
Night time - (10 PM to 6 AM) - 70 dB (A).

18. The industry shall maintain a sampling port with removable dummy of not less than 15 cm diameter in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc. A platform with suitable ladder shall be provided below 1 meter of sampling port to accommodate three persons with instruments. A 15 AMP 250 V plug point shall be provided on the platform.
19. The industry shall comply the standards for emission and discharges for all other parameters as per the standards notified by MoEF, Vide GSR No. 446 (E), Dt.13.06.2011. and amendments thereof, for Pesticides manufacturing & Formulation industry.
20. The industry shall comply with emission limits for DG sets upto 800 KW as per the Notification G.S.R.520 (E), dated 01.07.2003 under the Environment (Protection) Amendment Rules, 2003 and G.S.R.448(E), dated 12.07.2004 under the Environment (Protection) Second Amendment Rules, 2004. In case of DG sets more than 800 KW shall comply with emission limits as per the Notification G.S.R.489 (E), dated 09.07.2002 at serial no.96, under the Environment (Protection) Act, 1986.
21. The industry shall maintain dedicated multi stage scrubbers to the process vents to control the process emissions, NH₃, SO₂, HCl, Bromine and other gaseous emissions. The industry shall maintain online pH monitoring system to the scrubbers provided to treat the process emissions. Scrubbed liquid shall be recycled as far as possible and finally shall be sent to stripper, MEE followed by ATFD for terminal treatment. The details of chemicals

- consumption used in the scrubber should be recorded and kept accessible for the inspection officials of the Board.
22. The industry shall ensure that the emissions containing Bromine gases shall be routed through water scrubber, caustic scrubber provided in series. The vent of the caustic scrubber shall be dipped into dilute caustic soda lye for effective removal of Bromine in the emissions. The industry shall evaporate the scrubber liquid from Bromine recovery plant in the MEE system.
 23. The industry shall maintain spent bromine recovery unit within the premises and the recovery efficiency of Bromine recovery unit shall not be less than 99%.
 24. The industry shall maintain odour control measures such as scrubbers for TMA, H₂SO₄ emissions, Dry vacuum pumps, Nitrogen blanketing for storage tanks, Common ducting system with extraction system to production blocks for control of odour.
 25. The evaporation losses in solvents shall be controlled by taking the following measures:
 - a. Chilled brine circulation shall be carried out to effectively reduce the solvent losses into the atmosphere.
 - b. Transfer of solvents shall be done by using pumps instead of manual handling.
 - c. Closed centrifuges shall be used to reduce solvent losses.
 - d. All the solvent storage tanks shall be connected with vent condensers to prevent solvent vapours.
 - e. The reactor vents shall be connected with primary & secondary condensers to prevent escaping of solvent vapour emissions into atmosphere.
 26. The industry shall maintain online continuous emission monitoring system to the Boilers & incinerator stacks and shall connect the data to the APPCB. Rotary kiln shall be maintained with online connection to APPCB website indicating parameters like VOC, SO_x, NO_x, PM values in the stack, temperature primary & secondary combustion chambers.
 27. The industry shall maintain VOC analyzer in the CAAQM stations. The industry shall calibrate the online emission monitors, CAAQM stations, VOC monitors and other sensors at regular intervals. The industry shall inform the RO, Srikakulam about the calibration schedule and calibration shall be done in presence of the Board officials.

GENERAL:

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

29. The industry shall follow CPCB guidelines issued on “Framework on Identification of Material Generated from Industrial Processes as Wastes or By-products” in September, 2019 for obtaining consent for by-products of the industry.
30. The industry shall dispose Potassium Bromide (30%); Hydrogen Bromide (15%); Sodium Sulphate; DMF Aqueous (15%); Potassium Methyl Sulphate; Sodium Sulfide (NASH); Potassium Chloride; Sodium Sulfide (NASH) and Calcium Chloride as Hazardous Waste as per the norms.
31. The industry shall make the ash collection silo provided for the boiler functional and no ash shall be dumped on the floor, generating fugitive dust emission in the surrounding area. Also, the industry shall take measures to control dust emissions while handling coal waste in closed shed with dyke wall and leachate collection system.
32. The industry shall not dispose any non-hazardous waste outside the industry premises.
33. The industry shall dispose other non-hazardous wastes as per the disposal option specified below(not mentioned in report)

S.No	Name of the non-hazardous waste	Quantity	Mode of disposal
1.	Boiler Ash	11.5 TPD	Shall be disposed to brick manufacturing units.

34. The following rules and regulations (as amended and upgraded from time to time) notified by the MoEF&CC, GoI shall be implemented.
 - a. Regulation of Persistent Organic Pollutants Rules, 2018.
 - b. Hazardous waste and other wastes (Management and Transboundary Movement) Rules,2016.
 - c. Plastic Waste Management Rules, 2022.
 - d. Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989
 - e. Fly Ash Notification, 2016.
 - f. Battery Waste Management Rules, 2022.
 - g. E-Waste (Management) Rules, 2022.
 - h. Construction and Demolition waste Management Rules, 2016.
 - i. Solid Waste Management Rules, 2016.
 - j. The Public Liability Insurance Act, 1991 and its amendments thereof.
 - k. Bio Medical Waste Management Rules, 2016
35. The industry shall maintain the following records and the same shall be made available to the inspecting officers of the Board:
 - a. Daily production details.

- b. Quantity of Effluents generated, treated, recycled/reused and disposed to CETP.
 - c. Log Books for pollution control systems.
 - d. Characteristics of effluents and emissions.
 - e. Hazardous/non-hazardous solid waste generated and disposed.
 - f. Inspection book.
 - g. Manifest copies of effluents / hazardous waste.
36. The industry shall maintain hood on the top of the effluent storage tanks and vent connected to scrubber.
 37. The industry shall maintain green belt in all the vacant places. In future, excess green belt over and above 33 % of total area can be utilized for industrial activity as per requirement of industry.
 38. The industry shall maintain digital display boards at publicly visible places at the main gate indicating the products, effluent discharge standards, air emission standards, hazardous waste quantities and validity of CTO and exhibit the CTO order at a prominent place in the factory premises.
 39. The industry shall evaluate the performance of solvent recovery system for each stream-wise and shall furnish plan of action to maintain the efficiency of solvent recovery more than 95% for each stream wise.
 40. The industry shall evaluate the performance of solvent recovery system and maintain the efficiency of solvent recovery more than 95% for each stream wise.
 41. The industry shall comply with the Standard Operating Procedure (SoP) and Checklist of Minimal Requisite Facilities for Utilization of Spent Solvent for Recovery of Solvent specified for Solvent Recovery Units issued by CPCB from time to time.
 42. The industry shall comply with SoPs issued by CPCB time to time for all the wastes.
 43. The industry shall comply with the Regulation of Persistent Organic Pollutants Rules,2018 notified by the MoEF&CC Notification vide G.S.R. 207 (E) dated 30.05.2018. As per the notification, the following 7 chemicals are prohibited to manufacturer, trade, use, import and export:
 - i. Chlordecone,
 - ii. Hexabromobiphenyl,
 - iii. Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octa-BDE),
 - iv. Tetrabromodiphenyl ether and pentabromodiphenyl ether (commercial penta-BDE),
 - v. Pentachlorobenzene,

- vi. Hexabromocyclododecane and
 - vii. Hexachlorobutadine.
44. The industry shall submit the information regarding usage of Ozone Depleting Substance once in six months to the Board.
 45. The industry shall submit AAQ monitoring reports conducted by authorised agency every month.
 46. Any other directions / circulars / notices issued by CPCB, MoEF&CC and APPCB shall be followed from time to time.
 47. The industry shall comply with all the conditions stipulated in CTE & CTO order issued by the Board.
 48. The industry shall submit the Environmental Statement in Form – V.
 49. The conditions stipulated are without prejudice to the rights and contentions of this Board in any Hon'ble Court of Law.
 50. The Board reserves its right to modify above conditions or stipulate any further conditions and to take action including revoke of this order in the interest of protection of public health and environment.

Special conditions:

51. The industry shall operate with valid NOC issued by the Andhra Pradesh State Disaster Response and Fire Service Dept., (APSDRFSD) and submit a copy at concerned Regional Office, APPCB.
52. The industry shall operate with valid PESO permission.
53. The industry shall maintain valid PLI policy which includes Environmental Relief Fund (ERF) and submit copy to RO, Srikakulam on yearly base.
54. The industry shall comply with the technical suggestions at Chapter No. 7.3 & 7.4 for Hazardous Chemical handling industries by High Power Committee (HPC) of Govt. of Andhra Pradesh. The HPC report is available at www.ap.gov.in.
55. The industry shall prepare a safety report and carry out an independent safety audit report of the respective industrial activities including chemical storages / isolated storages by an expert not associated with such industrial activity as required under Rule 10 of MSIHC Rules, 1989 and get it approved by the Factories Dept., and submit the compliance along with copy of the safety report, safety audit report and safety certificate at concerned Regional Office, APPCB.
56. The industry shall extend training to the working personnel for the prevention of accidents and necessary antidotes to ensure safety, as per the MSIHC Rules, 1989.
57. The industry shall carryout calibration of safety equipment and leak detection

- systems at regular intervals and shall certify the same with the Factories Department. That certified copy shall be submitted to the APPCB, Regional Office.
58. The industry shall install fluorescent Wind Vane at the highest point in the industry premises.
 59. The industry shall submit Risk analysis and risk assessment covering worst scenario clearly describing impact within the industry premises and outside the industry premises and emergency response system.
 60. The industry shall submit the copy of the safety audit report and On-Site / Off Site Emergency Plans as applicable after being certified by the Factories Department to the APPCB, Regional Office from time to time, if the storage quantity of hazardous chemicals is equal to or, in excess of the threshold quantities specified in schedule 2 & 3 of MSIH Rules, 1989.
 61. The industry shall submit Half yearly compliance reports to all the stipulated conditions in Environmental Clearance (EC), Consent to Establishment (CTE) and Consent to Operation (CTO) through website i.e., <https://pcb.ap.gov.in> by 1st of January and 1st July of every year. The first half yearly compliance reports shall be furnished by the industry and second half yearly compliance reports shall be the audited through MoEF&CC recognized and National Accreditation Board for Laboratory Testing (NABL) accredited third party.

SCHEDULE – C

[See rule 6(2)]

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

1. The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the State Pollution Control Board.
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the Hazardous and other wastes except what is permitted through this authorization.
4. Any un authorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
5. The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site-specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.

6. The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on “Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty”.
7. It is the duty of the authorized person to take prior permission of the State Pollution Control Board to close down the facility.
8. An application for the renewal of an authorization shall be made as laid down under these Rules.
9. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
10. The authorized person shall submit annual returns in Form- 4 as per Rule 6(5) of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 and amendments thereof to APPCB by 30th day of June of every year for the preceding period April to March. Hazardous Wastes quantities in Form- 4 shall be submitted in terms of Metric Tonnes/annum.
11. The authorized person shall not store hazardous waste for more than 90 days as per the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016.
12. The authorized person shall store Used /Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal to the manufacturers / dealers on buy back basis.
13. The authorized person shall maintain 7 copy manifest system for transportation of waste generated and a copy shall be submitted to concerned Regional Office of APPCB. The driver who transports Hazardous Waste should be well acquainted about the procedure to be followed in case of an emergency during transit. The transporter should carry a Transport Emergency (TREM) Card.
14. The authorized person shall maintain proper records for Hazardous & other wastes stated in Authorization in Form-3 i.e., quantity of Incinerable waste, land disposal waste, recyclable waste etc., and file annual returns in Form- 4 as per Rule 6 (5) of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 and amendments thereof by June 30th for the period ensuring 31st March of the year.

S SRISARAVANAN, I.F.S
MEMBER SECRETARY

To
M/s. NAACL Industries Limited,
Plot No. 177, ArinamaAkkivalasa (V),
Allinagaram Post, Etcherla (M),

Srikakulam District