

MAHARASHTRA POLLUTION CONTROL BOARD

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RED/L.S.I (R22)
No:- Format1.0/CC/UAN
No.0000121034/CR/2303000461

Date: 06/03/2023

To,
M/s. Inventys Research Company Private Limited,
K-38, MIDC Butibori, Vill.- Kiriti,
Tal. Hingana, Dist. Nagpur



Your Service is Our Duty

Sub: Grant of Amendment in Renewal of Consent to Operate with change in product mix under Red/LSI category.

- Ref:**
1. Consent to Operate granted by Board vide No.: No:- Format1.0/CC/UAN No.0000121034/CR/2205000385, Date: 07.05.2022.
 2. Environmental Clearance granted vide No: SEAC-2013/CR-395/TC-2 dtd. 09/03/2016
 3. Minutes of 4th technical committee for change in product- mix meeting held on 19.02.2022 & 22.02.2022.
 4. Minutes of 21st Consent Committee meeting held on 19.03.2022
 5. Your application for Renewal of Consent vide No. MPCB- CONSENT-0000119091 and application for Renewal of consent with change in product mix vide No. MPCB-CONSENT-0000121034.

Your application No.MPCB-CONSENT-0000121034 Dated 01.09.2021

For: Grant of Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. **The consent to renewal is granted for a period up to 31/07/2026**
2. **The capital investment of the project is Rs.130.31 Crs. (As per C.A Certificate submitted by industry Existing CI is-Rs. 110.98 Crs + Increase in C.I. - Rs. 19.33 Crs)**
3. **Consent is valid for the manufacture of:**

Sr No	Product	Existing Quantity	Proposed Quantity	Total	UOM
Products					
1	Sucrose octakis (hydrogen sulfate) aluminum complex	25	0	25	MT/M
2	3-chloroaniline	20	-15	5	MT/M
3	1-Chloro-2-phenoxybenzene	25	-20	5	MT/M

Sr No	Product	Existing Quantity	Proposed Quantity	Total	UOM
4	Decanenitrile	40	-15	25	MT/M
5	1-Chloro-2-methoxynaphthalene	10	-5	5	MT/M
6	1-(isoprylamino)-3-(1-naphthoxy)-2-propanol hydrochloride	1.25	0	1.25	MT/M
7	2-Isopropyl-6-methyl-4-pyrimidinol	5	0	5	MT/M
8	5-Phenyl-1,2-oxazol-3-ol	8.33	-3.33	5	MT/M
9	2-Bromo-6-methoxynaphthalene	10	0	10	MT/M
10	2-Phenylidole	0.833	0	0.833	MT/M
11	5-tert-butyl-m-xylene	5	0	5	MT/M
12	4-Methoxy-6-methyl-1,3,5-triazin-2-amine	4.16	0	4.16	MT/M
13	2-Chlorothiophene-5-carboxylic acid	4.16	-0.16	4	MT/M
14	3,4-dimethylpyroazole	25	-5	20	MT/M
15	Isoxathion (O,O-diethyl O-(5-phenyl-1,2-oxazol-3-yl) phosphorothioate)	8.33	-3.33	5	MT/M
16	5-[4'-(Bromomethyl)-1,1'-biphenyl-2-yl]-1-triphenylmethyl-1-H-Tetraz ole]	5	15	20	MT/M
17	2-Hydrazine-4-MethoxyBenzoThiazole	0.833	0	0.833	MT/M
18	5-(4-(4-(5-cyano-1H-indol-3-yl) butyl) piperazin-1-yl) benzofuran-2-carboxamide Hydrochlorid	0.833	0	0.833	MT/M
19	4,4'-Oxydiphthalic anhydride	10	-5	5	MT/M
20	Diethyl Chlorothiophosphate	5	0	5	MT/M
21	4 - Amino salicylic acid	2	0	2	MT/M
22	2-(diethylamino)2-6,acetoxylidide hydrochloride (Lidocaine)	10.41	-5.41	5	MT/M
23	Benzyl dimethyl[2-[2-[p-(1,1,3,3-tetramethylbutyl)phenoxy]ethoxy]ethyl]ammonium chloride (Benzethonium Chloride)	8.33	-3.33	5	MT/M
24	s Methyl Phenyl Glycine Methyl Ester	25	0	25	MT/M
25	Acetonitrile	300	60	360	MT/M
26	Cyclopentanone	4.16	-2.16	2	MT/M
27	Fexofenadine HCl	2	0	2	MT/M
28	1,3 dibromo-5- methyl-5- phenyl hydantoin	50	-40	10	MT/M
29	1,3 Dichloro-5- methyl-5- phenyl hydantoin	25	-20	5	MT/M
30	1,3 di-iodo-5- methyl-5- phenyl hydantoin	12.5	-11.5	1	MT/M
31	Quetiapine fumarate	5	-4	1	MT/M
32	Malononitrile	27.5	-26.5	1	MT/M
33	Pregabalin	5	-4	1	MT/M
34	Pramipexole	5	-4	1	MT/M
35	Tamsulosin HCl	5	-4	1	MT/M
36	Methyl 5 Phenyl Imidazolidine 2,4-dione	40	-10	30	MT/M
37	Phthalonitrile	10	-5	5	MT/M
38	Clopidogrel HCl	15.41	-10.41	5	MT/M
39	7-Chloroquinaldine (7- Chloroquinaldehyde)	16.66	-11.66	5	MT/M
40	1 methyl Pyroazole	5	-4	1	MT/M
41	Venlafaxine Hydrochloride (Venlafaxine)	10	-5	5	MT/M
42	Alendronate Sodium	1	0	1	MT/M
43	R Aminobutanol	5	26.539	31.539	MT/M
44	O-Chlorobenzonitrile	50	-45	5	MT/M
45	Terephthalonitrile	20	-15	5	MT/M
46	Levetiracetam	5	0	5	MT/M
47	Naproxen	5	-4	1	MT/M
48	Gabapentin	25	-24	1	MT/M
49	Bisphenol S	5	5	10	MT/M
50	Bis(4-allyloxyphenyl)sulfone	5	-4	1	MT/M
51	Fluconazole USP	1	0	1	MT/M
52	N,O-Dimethyl-N-Nitroisourea	6.5	-5.5	1	MT/M
53	2-[[(4 -chlorophenyl) methyl hydrazono] methyl] 1 -ethyl-3,3-dimethyl-3H-indolium chloride	1	0	1	MT/M

Sr No	Product	Existing Quantity	Proposed Quantity	Total	UOM
54	2-[[(4 -methoxyphenyl) methyl hydrazono] methyl] -1,3,3-trimethyl-3H-indolium methyl sulphate	1	0	1	MT/M
55	Basic Yellow 29	1	0	1	MT/M
56	Acid Red 82	1	0	1	MT/M
57	1-Cyclopropylethylamine Hydrochloride	5	5	10	MT/M
58	4'-Chloro-1-(3-chloro-2-pyridyl)-2'-[[(1RS)-1-cyclopropylethyl]carbamoyl]-4,5-dihydro-3- hydroxypyrazole-5-carboxanilide	10	0	10	MT/M
59	2-(4-Bromophenyl)-1,3-benzoxazole	0.83	-0.415	0.415	MT/M
60	Cyclohexyl Diacetyl carboxylic acid	11	-1	10	MT/M
61	2-Aminobenzonitrile	10	0	10	MT/M
62	p-Chlorophenylglycine	20	-19	1	MT/M
63	o-Chlorophenylglycine	1.89	-0.89	1	MT/M
64	Chinomethionate	3	-2	1	MT/M
65	7,8-Dihydroxyphenazine-2-sulfonic acid	0.42	0	0.42	MT/M
66	N-(2,3-Dichlorophenyl)-4-hydroxyBenzamide	3	1	4	MT/M
67	4,4'-Bis(chloromethyl)biphenyl	100	-90	10	MT/M
68	Loratidine	10	-7	3	MT/M
69	3-fluoro-5-(trifluoromethyl)pyridine-2-carbonitrile	1	0	1	MT/M
70	3-Fluoro-4-(Hydroxymethyl)benzonitrile	0	3	3	MT/M
71	3-Fluoro-4-Methylbenzonitrile	0	5	5	MT/M
72	4-Fluoro-2,3-Bis(Hydroxymethyl)Phenyl Methanesulfonate	0	1	1	MT/M
73	Composite of Stearic Acid and HMDA	0	75	75	MT/M
74	4-[2-(4-tert-butylphenyl)ethoxy]quinazoline	0	10	10	MT/M
75	Quinazolin-4(3H)-one	0	6	6	MT/M
76	2-(4-tert-butylphenyl)ethanol	0	6	6	MT/M
77	N-{2,4-Dichloro-5-[4-(difluoromethyl)-3-methyl-5-oxo-4,5-dihydro-1H-8 1,2,4-triazol-1-yl]phenyl}methanesulfonamide	0	50	50	MT/M
78	a-(methoxyimino)-2-furanacetic acid, ammonium salt	0	33	33	MT/M
79	4-Chloro-2-Nitrobenzonitrile	0	1	1	MT/M
80	2-Hydroxy-6-Cyanonaphthalene	0	0.5	0.5	MT/M
81	Hydroxy(phenyl)acetic acid	0	10	10	MT/M
82	2-Chloro-4-fluoro-5-nitrobenzoic acid	0	4	4	MT/M
83	2,3-Dihydro-2,6-dimethyl-1H-inden-1-one	0	40	40	MT/M
84	5-Bromo-2-benzofuran-1,3-dione	0	5	5	MT/M
85	4-Cyanobenzoyl chloride	0	20	20	MT/M
86	1,1-Dimethoxypropan-2-one	0	4	4	MT/M
87	3-Bromo-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxylic acid	0	50	50	MT/M
88	3-Bromo-4-chloro-1-(3-chloro-2-pyridyl)-2-methyl-6-(19 methylcarbamoyl)pyrazole-5-carboxanilide	0	20	20	MT/M
89	1-(5-Fluoro-2-hydroxyphenyl)-2-(3-fluorophenyl) ethan-1-one	0	0.5	0.5	MT/M
90	(2R)-2-phenylmethoxypropanoic acid	0	0.5	0.5	MT/M
91	5-amino-3-(3-fluoro-4-isopropoxyphenyl)-1H-pyrazole-4-carbonitrile	0	0.5	0.5	MT/M
92	3-Pyridinecarboxaldehyde	0	4	4	MT/M
93	4-Bromomethyl Benzoic acid	0	4	4	MT/M
94	4-Fluoro-2,3-Dimethylphenol	0	1	1	MT/M
95	2-Amino-4-Chlorobenzamide	0	0.5	0.5	MT/M
96	2-Methoxy-4-methyl-6- (methylamino)-1,3,5-triazine	0	5	5	MT/M
97	4'-fluoro-N-isopropyl-2'-[[5-(trifluoromethyl)-1,3,4-thiadiazol-2-yl]oxy}acetanilide	0	100	100	MT/M
98	1-(chloromethyl)-3-fluorobenzene	0	0.1	0.1	MT/M
99	3,4-Difluorobenzoic acid	0	0.1	0.1	MT/M
100	4-Fluorophenol	0	50	50	MT/M
101	R & D Products	0	1	1	MT/M

(PP shall manufacture maximum 10 Nos. of products at a time as per the Environmental Clearance condition. The overall total production quantity shall not exceed 11400 MT/A.)

4. **Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	154.8	As per Schedule-I	CETP
2.	Domestic effluent	47.5	As per Schedule-I	50% recycle & remaining for gardening.

5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	S-1	Boiler-I (4 TPH)	1	As per Schedule -II
2	S-2	Boiler-II (10 TPH)	1	As per Schedule -II
3	S-3	Boiler-III (0.5 TPH)	1	As per Schedule -II
4	S-4	Thermic Fluid Heater (4.0 L kcal/Hr)	1	As per Schedule -II
5	S-5	Hot Oil Unit-I	1	As per Schedule -II
6	S-6	Hot Oil Unit-II	1	As per Schedule -II
7	S-7	Cyanation System Process vent	1	As per Schedule -II
8	S-8	D.G. Set (250 KVA)	1	As per Schedule -II
9	S-9	D.G. Set (125 KVA)	1	As per Schedule -II

6. **Non-Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	Biomass / Fly Ash	8	MT/Day	Sale	Sale to Brick Manufacturer

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:**

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
1	5.1 Used or spent oil	40	Ltr/M	Recycle*	Sale to authorised party / CHWTSDF
2	20.2 Spent solvents	17.5	MT/A	Recycle*	Sale to authorised party / CHWTSDF
3	28.1 Process Residue and wastes	250.664	MT/A	Incineration	CHWTSDF
4	28.2 Spent catalyst	4.22	MT/A	Recycle*	Sale to authorised party / CHWTSDF
5	33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	7200	Nos./Y	Recycle*	Sale to authorised party / CHWTSDF

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
6	35.3 Chemical sludge from waste water treatment	12	MT/A	Landfill after treatment	CHWTSDF
7	36.2 Filter & Filter Material	0.3	MT/A	Landfill/ Incineration	CHWTSDF
8	36.2 Spent Carbon	81	MT/A	Incineration	CHWTSDF
9	37.3 MEE Salts	316.4	MT/A	Landfill after treatment	CHWTSDF
10	28.1 Sodium Chloride (NaCl)	58.7	MT/M	Recycle*	Sale to authorised party / CHWTSDF
11	28.1 Sodium bicarbonate (NaHCO ₃)	9.0	MT/M	Recycle*	Sale to authorised party / CHWTSDF
12	28.1 Sodium sulfate (Na ₂ SO ₄)	59.6	MT/M	Recycle*	Sale to authorised party / CHWTSDF
13	28.1 Potassium bicarbonate (KHCO ₃)	0.4	MT/M	Recycle*	Sale to authorised party / CHWTSDF
14	28.1 Sodium bisulfite (NaHSO ₃)	17.2	MT/M	Recycle*	Sale to authorised party / CHWTSDF
15	28.1 Sulphur	0.9	MT/M	Recycle*	Sale to authorised party / CHWTSDF
16	28.1 Mixed Pottasium Chloride (KCl) & Pottasium Bromide (KBr) Salt	0.3	MT/M	Recycle*	Sale to authorised party / CHWTSDF
17	28.1 Spent Solvent Methanol	4.3	MT/M	Recycle*	Sale to authorised party / CHWTSDF
18	28.1 Sodium sulfite (Na ₂ SO ₃)	3.9	MT/M	Recycle*	Sale to authorised party / CHWTSDF
19	28.1 Sodium Bromide (NaBr)	44.4	MT/M	Recycle*	Sale to authorised party / CHWTSDF
20	28.1 Spent Solvent Ethanol	0.2	MT/M	Recycle*	Sale to authorised party / CHWTSDF
21	28.1 Spent Solvent Toluene	0.5	MT/M	Recycle*	Sale to authorised party / CHWTSDF
22	28.1 Hydrogen Bromide (HBr)	3.2	MT/M	Recycle*	Sale to authorised party / CHWTSDF
23	28.1 Mixed Sodium Bromide (NaBr) & Sodium bisulfate (NaHSO ₄) Salt	15.4	MT/M	Recycle*	Sale to authorised party / CHWTSDF
24	28.1 Dimethylazanium chloride	2.4	MT/M	Recycle	Sale to authorised party / CHWTSDF
25	28.1 Spent Phosphoric acid (H ₃ PO ₄) & Hydrochloric Acid (HCl)	5.7	MT/M	Recycle*	Sale to authorised party / CHWTSDF

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
26	28.1 Sodium acetate (C ₂ H ₃ NaO ₂)	4.8	MT/M	Recycle*	Sale to authorised party / CHWTSDF
27	28.1 Pottasium Chloride (KCl)	9.4	MT/M	Recycle*	Sale to authorised party / CHWTSDF
28	28.1 Sodium fluoride (NaF)	0.1	MT/M	Recycle*	Sale to authorised party / CHWTSDF
29	28.1 Sodium iodide (NaI)	6.1	MT/M	Recycle*	Sale to authorised party / CHWTSDF
30	28.1 Spent (H ₂ SO ₄)	45.7	MT/M	Recycle*	Sale to authorised party / CHWTSDF
31	28.1 Potassium bisulfate(KHSO ₄)	1.0	MT/M	Recycle*	Sale to authorised party / CHWTSDF
32	28.1 Spent Phosphoric Acid (contains NaCl)	0.7	MT/M	Recycle*	Sale to authorised party / CHWTSDF
33	28.1 Dimethyl sulfoxide (DMSO)	0.3	MT/M	Recycle*	Sale to authorised party / CHWTSDF
34	28.1 Pottasium Iodide (KI)	0.6	MT/M	Recycle*	Sale to authorised party / CHWTSDF
35	28.1 Acetic acid	2.8	MT/M	Recycle*	Sale to authorised party / CHWTSDF
36	28.1 Pottasium Bromide (KBr)	0.2	MT/M	Recycle*	Sale to authorised party / CHWTSDF
37	28.1 Succinimide	2.0	MT/M	Recycle*	Sale to authorised party / CHWTSDF
38	28.1 Potassium Fluoroborate (KBF ₄)	5.6	MT/M	Recycle*	Sale to authorised party / CHWTSDF
39	35.3 Bio-Sludge	3.0	MT/A	Landfill after treatment	CHWTSDF
40	28.1 Ammonium Sulphate	414.2	MT/A	Recycle*	Sale to authorised party / CHWTSDF

*** Industry shall ensure disposal of Hazardous Waste to the Actual user having permissions under Rule 9 of Hazardous and other Waste (M & TM) Rules, 2016. The total By-products now mentioned as Haz. Waste at Sr. No. (12) to (40) shall not exceed 2105 MT/A.**

8. Conditions under E-Waste Management:

Sr No	Type of Waste	Quantity	UoM	Disposal Path
1	Electronic Waste	2.00	MT/A	Sale to Authorized Dismantler

- The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
- This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
- The industry shall obtain necessary permission from the Directorate of Industrial Safety and Health (DISH).

12. The applicant shall not carry out any excess production or produce new products without Consent of the Board and without Environmental Clearance wherever it applicable.
 13. The applicant shall comply with the conditions of the Environmental Clearance granted vide letter No. SEAC-2013/CR-395/TC-2 dtd. 09/03/2016. Industry shall ensure display/upload of Six- Monthly Compliance monitoring report on their official website.
 14. The industry shall ensure connectivity of continuous online monitoring system to the Board server & data to be transmitted directly from Data Logger to the Board server.
 15. Industry shall adopt cleaner fuel instead of Furnace Oil.
 16. The applicant shall properly collect, transport & regularly dispose-off the Hazardous Waste to CHWTSDf, in compliance of the Hazardous and other Waste (M & TH) Rule-2016 and keep proper manifest thereof.
 17. The industry shall dispose the by-products as Hazardous waste and shall comply the provisions of Hazardous & Other Wastes (M & TM) Rules, 2016.
 18. This consent is issued pursuant to the Minutes of the 4th Technical Committee meeting under change in product-mix held on 19.02.2022 & 22.02.2022. This Consent is issued based on self-assessment of Pollution Load submitted by you in Board's prescribed format and Certificate of "No Increase in pollution load" issued by Goldfinch Engineering Systems Pvt. Ltd., vide letter dtd. 18.08.2021. If any violation and / or submission of misleading information are noticed, then the consent issued under MoEF & CC Product Mix Circular dtd. 14.12.2006 will stand automatically cancelled and you have to follow the procedure of EIA Notification, 2006 and Amendments thereof for obtaining Environmental Clearance.
 19. This consent is issued pursuant to the decision of the 4th technical committee meeting held on 19.02.2022 & 22.02.2022 and pursuant to the decision of the 21st Consent Committee Meeting held on 19.03.2022.
 20. This consent is issued with overriding effect to the Consent to Operate granted by Board vide No.: No:- Format1.0/CC/UAN No.0000121034/CR/2205000385, Date: 07.05.2022.
 21. The applicant shall make an application for renewal of consent 60 days prior to date of expiry of the consent. (Operate/Renewal)
- This consent is issued as per communication letter dated 03/11/2022 which is approved by competent authority of the board.

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	260620.00	TXN2109000199	02/09/2021	Online Payment

(* The fees paid towards this consent and paid towards the duplicate application for renewal of consent No. MPCB-CONSENT-0000119091 of Rs. 13,53,100/- online paid vide transaction No. UTIBR52021080500362877 is completely utilized with this application and there is no any balance fees with the Board)

Copy to:

1. Regional Officer, MPCB, Nagpur and Sub-Regional Officer, MPCB, Nagpur II
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai



SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1. A] As per your application, you have segregated trade effluent into weak stream & strong stream and provided Effluent Treatment Plant (ETP) comprising of:
- i) Strong COD/TDS stream of 97.3 CMD** - Treatment system comprising of Primary (Collection tank, Neutralization tank, Equalization tank, Flash mixer, Primary Clarifier/Primary Settling Tank) ., Stripper, Multi effect evaporator (3 stage) followed by ATFD. The MEE condensate is treated in weak stream ETP.
- ii) Weak COD/TDS stream of 57.5 CMD** - Treatment system comprising of Primary (Collection tank, Neutralization tank, Equalization tank, Flash mixer, Primary Clarifier/Primary Settling Tank), Secondary (Activated sludge process), Tertiary (Pressure sand filter, Activated carbon filter) .
- B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent:

Sr.No	Parameters	Limiting concentration not to exceed in mg/l, except for pH
(1)	pH	6.0 -8.5
(2)	BOD (3 days 27°C)	100 mg/l
(3)	COD	250 mg/l
(4)	TSS	100 mg/l
(5)	Oil & Grease	10 mg/l
(6)	Ammonical Nitrogen	50 mg/l
(7)	Phenolic Compounds	1 mg/l
(8)	Total Dissolved Solids	2100 mg/l
(9)	Mercury	0.01 mg/l
(10)	Arsenic	0.2 mg/l
(11)	Chromium (Hexavalent)	0.1 mg/l
(12)	Lead	0.1 mg/l
(13)	Cyanide	0.1 mg/l
(14)	Sulphide	2 mg/l
(15)	Phosphate	5 mg/l
(16)	Chloride	600 mg/l
(17)	Sulphate	1000 mg/l

- C] The treated effluent shall be recycled/reused to the maximum extent for secondary purposes and remaining shall be discharged into CETP. In no case, effluent shall find its way for gardening / outside factory premises.
- D] The Industry shall ensure connectivity online monitoring system to the MPCB server including separate energy meter for pollution control system.

E] Industry shall comply with direction issued to CETP on 22.01.2021, regarding installation of two-way SCADA, Auto-sampler, Non-Return Valve (NRV) with positive discharge to CETP chamber.

2. A] As per your application, you have provided Sewage Treatment Plant of designed capacity 50 CMD for the treatment of 47.5 CMD of sewage.

B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.

Sr.No	Parameters	Standards (mg/l)	
1	Suspended Solids	Not to exceed	100
2	BOD 3 days 27°C	Not to exceed	30

C] The treated sewage shall be recycled for secondary purposes to the maximum extent and remaining shall be discharged on land for gardening within premise after confirming above standards. In no case, sewage shall find its way for gardening / outside factory premises.

3. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification there of & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.

4. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.

5. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	320.00
2.	Domestic purpose	50.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	116.60
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	10.0

6. The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/ CREP guidelines.

SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have provided the Air pollution control (APC) system and erected following stack (s) to observe the following fuel pattern:

Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
S-1	Boiler	Multi Cyclone	27.00	Coal 585 Kg/Hr	0.5	TPM	100 Mg/Nm ³
						SO2	140 Kg/Day
				Biomass 585 Kg/Hr	0.06	TPM	100 Mg/Nm ³
						SO2	16.48 Kg/Day
S-2	Boiler	Multi Cyclone	32.00	Biomass 1400 Kg/Hr	0.06	TPM	100 Mg/Nm ³
						SO2	40.32 Kg/Day
S-3	Boiler	Multi Cyclone	15.00	Biomass 70 Kg/Hr	0.06	TPM	100 Mg/Nm ³
						SO2	2.016 Kg/Day
S-4	Thermic Fluid Heater	Multi Cyclone	17.00	LSHS 480 Ltr/Hr	1	TPM	100 Mg/Nm ³
						SO2	13.824 Kg/Day
S-5	Hot Oil Unit-I	Stack	17.00	Coal 125 Kg/Hr	0.5	TPM	100 Mg/Nm ³
						SO2	30 Kg/Day
				Biomass 125 Kg/Hr	0.06	TPM	100 Mg/Nm ³
						SO2	3.6 Kg/Day
S-6	Hot Oil Unit-II	Stack	32.00	LSHS 90 Kg/Hr	1	TPM	100 Mg/Nm ³
						SO2	43.2 Kg/Day
S-7	Process Reactor Vent (Common Stack to 16 Nos of Scrubbers)	Scrubber	10.00	-	-	Acid Mist	35 Mg/Nm ³
						HCL	30 Mg/Nm ³
						NH3	30 Mg/Nm ³
						SO2 (process)	50 PPM
						NOx	50 PPM
						HBr	5 Mg/Nm ³

Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
S-8	D.G. Set (250 KVA)	Acoustic Enclosure Stack	3.50	HSD 100 Ltr/Hr	1	SO2	16 Kg/Day
S-9	D.G. Set (125 KVA)	Acoustic Enclosure Stack	7.60	HSD 25 Ltr/Hr	1	SO2	4 Kg/Day

2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.
3. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
4. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
5. Solvent Management shall be carried out as follows:
 1. Reactors shall be connected to Water / Chilled Water /Brine Condenser system.
 2. Reactors and solvent handling pumps shall have mechanical seals to prevent the leakages.
 3. The condensers shall be provided with adequate Heat transfer area (HTA) and residence time so as to achieve more than 97% overall recovery.
 4. Solvents shall be stored in a separate space specified with all safety measures.
 5. Proper earthing shall be provided in all the equipment's, wherever solvent handling is done.
 6. Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.
 7. All the solvent storage tanks shall be connected with vent condensers with Water / chilled water / Brine circulation. Reflux condensers shall be provided over reactors.
 8. Fugitive emissions shall be controlled at 99.95% with effective chillers.
 9. Solvent transfer shall be through pump.
 10. Metering and control of quantities of active ingredients to minimize wastes.
 11. Use of automatic filling to minimize spillage.
 12. Use of close feed system into batch reactors.
 13. Venting equipment through vapour recovery system.

SCHEDULE-III

Details of Bank Guarantees:

Sr. No	Consent (C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to R	Rs. 5.0 Lakh	Existing	Towards O & M of pollution control system & compliance of consent conditions	31.07.2026	31.01.2027

****Existing BG obtained for above purpose if any, may be extended for period of validity as above.**

BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
1	NA	NA	NA	NA	NA	NA

BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
1	NA	NA	NA	NA



SCHEDULE-IV

General Conditions:

1. Consumers or bulk consumers of electrical and electronic equipment listed in Schedule I shall ensure that e-waste generated by them is channelised through collection centre or dealer of authorised producer or dismantler or recycler or through the designated take back service provider of the producer to authorised dismantler or recycler
2. Bulk consumers of electrical and electronic equipment listed in Schedule I shall maintain records of e-waste generated by them in Form-2 and make such records available for scrutiny by the concerned State Pollution Control Board
3. Consumers or bulk consumers of electrical and electronic equipment listed in Schedule I shall ensure that such end-of-life electrical and electronic equipment are not admixed with e-waste containing radioactive material as covered under the provisions of the Atomic Energy Act, 1962 (33 of 1962) and rules made there under;
4. Bulk consumers of electrical and electronic equipment listed in Schedule I shall file annual returns in Form-3, to the concerned State Pollution Control Board on or before the 30th day of June following the financial year to which that return relates. In case of the bulk consumer with multiple offices in a State, one annual return combining information from all the offices shall be filed to the concerned State Pollution Control Board on or before the 30th day of June following the financial year to which that return relates.
5. Specific Conditions for storage, Handling and Disposal of Waste from Electrical & Electronic equipment (WEEE):
 1. **Collection of WEEE** - The applicant must provide appropriate and dedicated vehicles duly identified as per the norms for transportation of Hazardous Waste. The applicant shall obtain all the required permits for transportation of WEEE from competent authority. The applicant shall ensure the safe transport of the WEEE without any spillage during transportation.

Storage for disassembled parts: The applicant must provide appropriate storage for disassembled spare parts from WEEE. Some spare parts (e.g. motors and compressors) will contain oil and/or other fluids. Such part must be appropriately segregated and stored in containers that are secured such that oil and other fluids cannot escape from them. These containers must be stored on an area with an area with an impermeable surface and a sealed drainage system.
 2. **Storage for other components and residues:** Other components and residues arising from the treatment of WEEE will need to be contained following their removal for disposal or recovery. Where they contain hazardous substances they should be stored on impermeable surface and in appropriate containers or bays with weatherproof covering. Containers should be clearly labelled to identify their contents and must be secured so that liquids, including rain water cannot enter them. Components should be segregated having regard to their eventual destinations and the compatibility of the component types. All batteries should be handled and stored having regard to the potential fire risk associated with them.
 3. **Balances :** WEEE Guidelines also requires that sites for handling of WEEE have "balances to measure the weight of the segregated waste". The objective is to ensure that a record of weights can be maintained of WEEE entering a facility and components and materials leaving each site (together with their destinations). The nature of the weighing equipment should be appropriate for the type and quantity of WEEE being processed.

4. Plastic, which cannot be recycled and is hazardous in nature, is recommended to be land filled in nearby CHWTSDF.
 5. Ferrous and nonferrous metal recycling facilities fall under the purview of existing environmental regulations for air, water, noise, land and soil pollution and generation of hazardous waste and the same should be followed.
 6. CFCS should be either reused or incinerated in common hazardous waste Incineration facilities at CHWTSDF.
 7. Waste Oil should be either reused or incinerated in common hazardous waste incineration facilities.
 8. PCB's containing capacitors shall be incinerated in common hazardous waste incineration facilities at CHWTSDF.
 9. Mercury recovery and lead recycling facilities from batteries fall under the Hazardous & Other Wastes (M & TM) Rules, 2016.
 10. Existing environmental regulations for air; water; noise, land and soil pollution and generation of hazardous waste and the same should be followed. In case Mercury or lead recovery is very low, they can be temporarily stored at e-waste recycling facility and later disposed in TSDF.
 11. The industry shall maintain records of the e-waste purchased, processed in Form-2 and shall file annual returns of its activities of previous year in Form-3 as per Rules 11(9) & 13(3)(vii) of the E-Waste(M) Rules, 2016; on or before 30th day of June of every year.
6. The Energy source for lighting purpose shall preferably be LED based
 7. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
 8. Conditions for D.G. Set
 - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
 - f) D.G. Set shall be operated only in case of power failure.
 - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
 9. The applicant shall maintain good housekeeping.

10. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
11. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
12. The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
13. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
14. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
15. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
16. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
17. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
18. The PP shall provide personal protection equipment as per norms of Factory Act
19. Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
20. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
21. The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
22. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.

23. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
24. Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).
25. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
26. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
27. The industry should not cause any nuisance in surrounding area.
28. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
29. The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
30. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
31. The industry should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
32. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
33. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
34. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.
35. The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.

36. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
37. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
38. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.

This certificate is digitally & electronically signed.

