

Minutes of 1st meeting of Technical Committee (2025-26) for assessment of application of under change in product-mix

Date : 24/04/2025 & 25/04/2025

Venue : 4th Floor, Conference Hall, Kalpataru Point, Sion, Mumbai & Microsoft Team Video Conference.

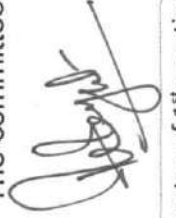
Technical Committee Members present for the meeting in person/through Video Conference:

1) Dr. Rajendra Rajput, Assistant Secretary (Technical), MPCB	Chairman
2) Shri. A.M. Pimparkar, Scientist-1, Environment Department	Member
3) Shri. Partik Bharme, Regional Director, CPCB	Member
4) Shri. Ravindra Andhale, Joint Director (APC)	Member
5) Shri. S.L. Waghmare, I/c Joint Director (WPC)	Member
6) Shri. B.R. Naidu, Ex. Regional Director, CPCB	Member
7) Shri. Dr. Ravindar Kontham, Principal Scientist, NCL Pune	Member
8) Shri. Sujit Dholam, Regional Officer (BMW), MPCB	Member Convener

At the outset, the request was received from the members (1) Shri. M. P. Patil, Representative of NEERI & (2) Shri. Anurag Garg, Chair Professor, IIT Bombay for leave of absence from attending the meeting was placed before the Committee meeting. The Committee considered the same.

Dr. Rajendra Rajput, Assistant Secretary (Technical), MPCB & Chairman of the Committee welcomed all the Committee members. The committee confirmed the minutes of the 6th meeting of Technical Committee (2024-2025) for assessment of application of under change in product-mix held on 18/02/2025.

The committee deliberated on the agenda items placed and the following decision were taken.



Agenda Item No.	01
Proposal No.	UAN Number: MPCB-CONSENT-0000223218
Project Details	M/s. Curia India Private Limited. located at Plot No. G-39/5, MIDC Waluj, Gangapur, Dist. Aurangabad
NIPL Certificate	NIPL certificate issued by M/s. Shrikrishna Environment Consultants Private Limited.

Introduction:

This is an existing unit engaged in manufacturing pharmaceutical products located at Plot No. G-39/5, MIDC Waluj, Gangapur, Dist. Aurangabad. This has reference to the online proposal submitted vide No. MPCB-CONSENT-0000223218 along with the copies of documents seeking of amendment in consent to operate under change in product – mix under the provisions of EIA Notification, 2006 amended on 23/11/2016 & on 02/3/2021.

Existing Clearances:

- 1) Environmental clearance was obtained from State Environment Impact Assessment Authority vide letter no. SEAC-2016/CR-130/TC-2 dated 18/07/2016 in the name of M/s. Finekem Laboratories Private Limited.
- 2) Amendment in Environment clearance was obtained from the State Environment Impact Assessment Authority vide letter no. SEIAA-2019/CR-90/SEIAA dated 14/05/2019 in the name of M/s. Albany Molecular Research Hyderabad Research Center Private Limited
- 3) Transfer of Environment clearance was obtained vide letter no. SIA/MH/IND3/271194/2022 dated 19/07/2022 in the Name of M/s. Curia India Private Limited
- 4) Format 1.0/CC/ MPCB-CONSENT_AMENDMENT -0000006880/Amend -0087 dated 24/05/2022 valid upto 30/11/2024.
- 5) Consent to Operate from Maharashtra Pollution Control Board vide consent order no. Format1.0/CC/UAN No.0000189030/CO/2405001818 valid up to 30/11/2024.

**A) Project Details:
Production Details:-**

Sr. No	Product Name	Quantity as Per EC (TPM)	Quantity as Per CTO (TPM)	Proposed Quantity after CIPM (TPM)	UOM	Remark As Per EC
API Products & Bulk Drugs						
1	Dilute Isosorbide-5-mononitrate	6	6	6	TPM	Remain Same
2	Isosorbide-5-mononitrate	3	3	3	TPM	Remain Same
Bulk Drug						
3	2-3((3-Fluoro-4-(methylcarbamoyl) phenyl) amino)-2-methylpropanoic acid (MDV4).	2	2	2	TPM	Remain Same
4	4-Bromo-2-fluoro -N-methyl benzamide (MDV2)	2	2	2	TPM	Remain Same
5	Pyridine -2-Aldroxime	1	1	1	TPM	Remain Same
6	4-Isothiocyanato -2- [trifluoromethyl] benzonitrile (MDV3100-6) MDV-6	0.5	0.5	0.5	TPM	Remain Same
7	2-Acetate	3	3	3	TPM	Remain Same
8	Chiral Acetamide	1.5	1.5	1.5	TPM	Remain Same
R&D Scale up & CRAMS Products						
9	Norepinephrine	0.5	0.5	0.5	TPM	Remain Same
10	1-Benzyl-4-phenyl-piperidine-4-carbonitrile Hydrochloride (Nitrile Chloride)	1	1	1	TPM	Remain Same
11	6-Chloro 3 methyl Uracil (CMU)	1	1	1	TPM	Remain Same
12	4-(5-Methyl-1,3,4-thiadiazol-2-yl) benzaldehyde (OMS-7)	1	1	1	TPM	Remain Same
13	D-Alanine Isopropyl Ester HCL - 2	1.15	1.15	1.15	TPM	Remain Same
14	Elanco (Compound 5) {(Lithium 4,6-dichloropyridazine-3-carboxylate monohydrate)}	0.5	0.5	0.5	TPM	Remain Same
15	(S) dibenzyl 2-(S)-1-2, (benzyloxy) carbonyl)amino acetyl)-2methyl pyrrolidine-2-carboxymido) pentanedionate .(Neuren-7)	0.5	0.5	0.5	TPM	Remain Same

CRAMS Product						
16	5-Bromo-2-(2-methyl-2H-tetrazol-5-yl)pyridine (DA-3)	0.35	0.35	0.35	TPM	Remain Same
17	Acetyl Benzyl Amine	1.5	1.5	1.5	TPM	Remain Same
18	5-Bromo-2-chloro-1,3-dimethoxybenzene (OMS-2)	1	1	1	TPM	Remain Same
19	(5-Methyl-1,3,4-thiadiazol-2-yl) bromide (OMS-6)	1.5	1.5	1.5	TPM	Remain Same
20	Ethyl 7-iodo -2,2-dimethylheptanoate ETC - 1002 Esperion	1	1	0	TPM	Deleted
21	K00006 (2-Amino -thiazole -5 -carboxylic acid (2-chloro -6 -methylphenyl) amine)	1	1	1	TPM	Remain Same
22	(S)Methyl 2-methyl pyrrolidine -2-carboxylate Neuren-4	0.1	0.1	0.1	TPM	Remain Same
23	Naloxgol-3 stage 1 and 2	0.5	0.5	0.5	TPM	Remain Same
24	(3aR,4R,7aS)-methyl-4-((S)-hydroxy((R)-2-oxo-1,3-dioxo lan-4-yl) methyl)-2-methyl-4,7a-dihydro-3aH pyrano[3,4-d]oxazole-6-carboxylate. [CS-8958 (Biota PP).	0.5	0.5	0.5	TPM	Remain Same
25	2-Amino-5-Bromo Benzoxazole ML737	1	1	1	TPM	Remain Same
26	4-Amino pyrazolopyrimidine ML739	2	2	2	TPM	Remain Same
27	Palmitoleic Acid Ethyl Ester Concentrates	1	1	1	TPM	Remain Same
28	2,-(4 (diethoxy methyl)phenyl)-5-methyl1,3,4-thiadiazole [Omeros-8]	1	1	1	TPM	Remain Same
29	FT 11-1 Starting Material -2-(oxobutanamide) Benzoic acid	0.5	0.5	0.5	TPM	Remain Same
30	CBz-tert leucine MIPA salt	2	2	2	TPM	Remain Same
31	Benzyl bro methyl ether [BBEE]	0.5	0.5	0.5	TPM	Remain Same
32	1,6-Di Bromo hexane	5	5	5	TPM	Remain Same
33	2,4-dichloro 1,3,5 triazine (Bayer)	0.5	0.5	0.5	TPM	Remain Same
34	Ethyl chloro -6-(trifluoromethyl) imidazole [1,2a] pyridine-2-carboxylate. N-96480 (Dupont)*	0.5	0	0		Deleted During 1 st NIPL
35	Methyl analogue of pyridine derivative	0.5	0.5	0.5	TPM	Remain Same

36	7-acetyl-1,2,4, 6,7,8,12, 13,14, 15,16,17,16-6, didecahydrospiro[cyclopenta[a]phenantrene-3,2-[1.3]-dioxalan]-17-yl[ketal acetate]	0.8	0.8	0.8	TPM	Remain Same
37	2-amino 2-thioxoethyl carbamate	0.5	0	0		Deleted During 1 st NIPL
38	α -Methyl Benzylamine	0.5	0.5	0.5	TPM	Remain Same
39	4-acetyloxy-4-(benzyloxy) -2',5'-dimethoxy - [1,1'-biphenyl]-2- carboxylic acid Compound 7 (SGL chemistry)	0.5	0	0		Deleted During 1 st NIPL
40	KSM 3	1	1	1	TPM	Remain Same
41	AZTH3	1	1	1	TPM	Remain Same
42	Compound 13 (methan-d3-amine hydrochloride)	0.5	0.5	0.5	TPM	Remain Same
43	KP-1	1.5	1.5	1.5	TPM	Remain Same
44	Tert-butyl ((1s,4s)-4-aminocyclohexyl) carbamate (BOC- CIS - Diamine)	0.5	0.5	0.5	TPM	Remain Same
45	2-(-(benzyloxy)-3-nitrophenyl) oxirane [Borregaard- NSO]	1	0	0		Deleted During 1 st NIPL
46	N-Ethyl-5-fluoro-N-isopropyl-2-(pyrimidin-5-yloxy) benzamide (SNDX-5613-5)	0	0.75	0.75	TPM	Added During 1 st NIPL
47	N-ethyl-5-fluoro-2-hydroxy-n-isopropyl benzamide (SNDX-5613-12)	0	0.75	0.75	TPM	Added During 1 st NIPL
48	{bis[μ-[1,2-bis (4-methyl phenyl)-1,2-ethanedione 1,2-di(oximato-kO)] (2-)]} tetrafluorodi borato (2-)-kN,kN',kN'',kN''']-(SP-4-1)-	0	0	0.5	TPM	New Added
49	Recovered Solvent	3	3	3	TPM	Remain Same
	Total	54.4	53.4	52.9	TPM	

- Industry has proposed a change in product mix in the same product category by deleting 1 Nos. of products, and addition of new 1 no's of products.
- The total production quantity after change in product mix will be reduced by 0.5 TPM (i.e., 52.9 TPM).
- As per the CTO- - Industry shall synthesis and scale up R & D and should not be more than 200 Kg/M peak installed capacity and manufacture only 2 Bulk Drugs and 3 CRAMS at a time.

B) Water Pollution Load Details:

i) Water Aspect: -

Water Consumption	As per EC in (CMD)	Existing In (CMD)	After change in product mix in CMD
Industrial			
Process +APCM	8.0	8.0	8.0
Boiler	20.0	30.0	30.0
Cooling			
Gardening	5.0	5.0	5.0
Other (Fire Service)	10.0	10.0	10.0
Domestic	4.0	4.0	4.0
Total	47.0	57.0	57.0

- Water consumption in the process remains the same as compared to existing consent after the proposed change in product mix.

ii) Wastewater Aspect: -

Effluent generation	As per EC (CMD)	Existing as per CTO (CMD)	After proposed change in product mix (CMD)
Industrial			
Process +APCM	9.2	9.2	9.2
Boiler	0	0	0
Cooling			
Gardening	0	0	0
Total Industrial	9.2	9.2	9.2
Domestic	3.0	3.0	3.0
Total	12.2	12.2	12.2

- Trade-effluent generation will remain the same after the change in the proposed product mix.

iii) Pollution Load with respect to the Changes proposed: -

Sr. No.	Description	COD Load	As per E.C.	Existing as per CTO	After NIPL
1.	Process effluent (Strong Stream - High COD & TDS)	COD Load	Not mentioned in EC	1336.33 Kg/day	1336.13 Kg/day
		TDS Load	Not mentioned in EC	916.44 Kg/day	916.15 Kg/day

- COD load will reduce by 0.2 Kg/Day and TDS load will reduce by 0.29 Kg/Day after change in product mix.

iv) Effluent Treatment System: - Trade Effluent:

Industry has provided segregation of trade effluent into weak stream & strong stream and provided Effluent Treatment Plant (ETP) comprising of: i) Strong COD/TDS stream of 6.0 CMD - Treatment system comprising of Primary, Stripper followed by Multi effect evaporator (2 stage) with design capacity of 10 CMD. The MEE condensate is treated in weak stream ETP. ii) Weak COD/TDS stream of 3.2 CMD - Treatment system comprising of Primary, Secondary, Tertiary, Reverse osmosis, RO permeate is recycled and RO reject is sent to MEE to achieve Zero Liquid Discharge.

C) Air Emission Aspect: -

Sr No	Description	As per E.C.	Existing as per CTO	After NIPL	Remarks
Fuel Consumption details					
1	Fuel Consumption	Boilers: 0.6 TPH x 1 nos. LDO: 12.5 kg/hr Boilers: 0.6 TPH x 1 nos. LDO: 12.5 kg/hr Thermopack 100000 Kcal/hr LDO: 0.3 MT/D	Boilers: 0.6 TPH x 1 nos. LDO: 12.5 kg/hr Boilers: 0.6 TPH x 1 nos. LDO: 12.5 kg/hr Thermopack 100000 Kcal/hr LDO: 0.3 MT/D	Boilers: 0.6 TPH x 1 nos. LDO: 12.5 kg/hr Boilers: 0.6 TPH x 1 nos. LDO: 12.5 kg/hr Thermopack 100000 Kcal/hr LDO: 0.3 MT/D	Use of LDO as fuel for Boiler will continue. Use of LDO as fuel for Boiler will continue. Use of LDO as fuel for Thermopack will continue.

	DG Sets: 500 KVA x 1 nos. 1000 KVA x 1 no. 0.3 MT/D (Diesel)	DG Sets: 500 KVA x 1 nos. 1000 KVA x 1 no. 0.3 MT/D (Diesel)	DG Sets: 500 KVA x 1 nos. 0.3 MT/D (Diesel)	Use of Diesel as fuel for DG will continue.
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- Industry is using LDO as fuel to Boiler, there is no change in fuel as industry has not proposed change in Boiler configuration.

Process emission Aspect: -

Stack No.	Stack attached to	Stack height in meter	APCM	Before Change in product mix		After change in product mix	
				Parameter	Permissible limit	Parameter	Permissible limit
1	Process Reactor Scrubber 1	15	Catch Pot, Packed column with water spray	HCL/Acid Mist	35 ppm	HCL/Acid Mist	35 ppm
2	Process Reactor Scrubber 2	15	Catch Pot, Packed column with water spray	Acid Mist	35 ppm	Acid Mist	35 ppm
3	Process Reactor Scrubber 3	6	Catch Pot, Packed column with water spray	Br	3 ppm	Br	3 ppm

- Industry has proposed that the process emissions will remain same after change in product mix.

D) Hazardous Waste Load: -

Sr. No	Cate gory	Hazardous description	Unit	As per EC	As per CTO	After CIPM	Disposal	Remark
1.	5.1	Used or spent oil	Kg/M	200	200	200	Sale to Authorized party/Recycler/CH WTSDF	Same
2.	5.2	Wastes or residues containing oil	Kg/M	200	200	200	Sale to Authorized party/CHWTSDF	Same
3.	20.2	Spent solvents	Kg/M	135629	133527	133527	Sale to Authorized party/Pre-	Reduced

4.	20.3	Distillation residues	Kg/M	2500	2500	2500	processor/Co-processor/CHWT SDF	Same
5.	28.1	Process Residue and wastes	Kg/M	17540	15209	15209	Pre-processor/Co-processor/CHWTSDF/Incineration	Reduced
6.	28.3	Spent carbon	Kg/M	1000	1000	1000	Pre-processor/Coproprocessor/CHWTSDF	Same
7.	28.4	Off products specification	Kg/M	500	500	500	Pre-processor/Coproprocessor/CHWT SDF	Same
8.	28.6	Spent Mother Liquor	Kg/M	52571	52571	52571	Sale to authorized party CHWT SDF/Recycle	Same
9.	28.6	Spent solvents	Kg/M	20170	20170	20170	Sale to authorized party CHWT SDF/Recycle	Same
10.	33.1	Empty / containers contaminated hazardous chemicals /wastes	Nos./M	100	100	100	Sale to authorized party CHWT SDF/Recycle	Same
11.	35.3	Chemical sludge from waste water treatment	Kg/M	3000	2700	2700	CHWT SDF	Reduced

12.	36.2	Filters and material which have organic Fluid	Filter	Kg/M	30	30	30	Sale to Authorized party/recycler/CHWT SDF	Same
13.	35.4	Oil and grease skimming	grease	Kg/M	500	500	500		Same
14.	33.2	Contaminated cotton rags or other cleaning materials		Kg/M	Not mentioned	100	100		Same
		Total		Kg/M	2,34,040	2,29,307	2,29,307		Reduced by 4733 Kg/M

- The total Hazardous Waste generation is proposed to remain the same as compared to existing consent after change in product mix.

Technical Committee Deliberations: -

The proposed project was discussed based on documents – NIPL Certificate and presentation made by the industry. Product wise load calculation in terms of wastewater, Air emissions & Hazardous waste generation were discussed. Existing consent to operate, Environmental Clearance, NIPL Certificate issued by M/s. Shrikrishna Environment Consultants Private Limited. No. Nil, Dtd. Nil. and product –mix Proforma are taken on the record.

After due deliberations, Committee noticed that:

- Industry has proposed a change in product mix in the same product category by deleting 1 Nos. of products, and addition of new 1 no's of products.
- The total production quantity after change in product mix will be reduced by 0.5 TPM (i.e., 52.9 TPM).
- As per the CTO- - Industry shall synthesis and scale up R & D and should not be more than 200 Kg/M peak installed capacity and manufacture only 2 Bulk Drugs and 3 CRAMS at a time.
- Water consumption in the process remains the same as compared to existing consent after the proposed change in product mix.
- Trade-effluent generation will remain the same after the change in the proposed product mix.
- COD load will reduce by 0.2 Kg/Day and TDS load will reduce by 0.29 Kg/Day after change in product mix.

- 7) Industry is using LDO as fuel to Boiler, there is no change in fuel as industry has not proposed change in Boiler configuration.
- 8) Industry has proposed that the process emissions will remain same after change in product mix.
- 9) The total Hazardous Waste generation is proposed to remain the same as compared to existing consent after change in product mix.

Technical Committee Decision: -

Technical Committee decided to recommend the case for change in product mix based on "No Increase in Pollution Load" as per the provision of EIA notification 2006 with compliance of the following conditions;

- 1) Industry shall comply with all the conditions stipulated in Environmental Clearance and ensure display/upload of six-monthly compliance monitoring report on their official website.
- 2) Industry shall ensure connectivity of OCEMS data to Board server.
- 3) Industry shall ensure disposal of Hazardous Waste to the actual user having permission under Rule 9 of Hazardous and other Waste (M & TM) Rules, 2016.
- 4) The condition shall be imposed as "If any submission of misleading information including NIPL certificate is noticed, then the consent issued under MoEF & CC Product Mix Circular dtd. 02.03.2021 and amendments thereto will stand automatically cancelled."

Agenda item No	02
Proposal No.	MPCB-CONSENT-0000231034
Project Details	M/s. Dorfketal Chemicals India Pvt. Ltd. Plot No. B-52/3, MIDC Lote-Parshuram, Tal-Khed, Dist-Ratnagiri.
NIPL Certificate	NIPL certificate dated 31.12.2024 issued by Environmental Auditor Institute of Chemical Technology,

Introduction:

This has reference to the online proposal submitted vide no. MPCB-CONSENT-0000231034 dated 01/01/2025 along with the copies of documents seeking **amendment in CTO with Change in Product Mix under the provision of EIA Notification 2006 and amendments thereof.**

Existing Clearances:

- 1) Environmental Clearance is accorded to the industry vide no. EC22B021MH139621 on 29th Aug 2022 & File No. SIA/MH/IND3/69546/2016 covering production of Synthetic Organic Chemicals (Disinfectant Intermediates) Manufacturing is 16245 MT/A.
- 2) The consent to operate from the Board for the production of 16245 MTA from MPCB consent No. Format 1.0/AS(T)/UAN No.0000167411/CO/2310001693 dated 25.10.2023, valid up to 31.07.2025 for manufacture of Synthetic Organic Chemicals (Disinfectant Intermediates).
- 3) M/s. Dorfketal Chemicals India Private Limited applied for amendment of CTO vide application No. MPCB-CONSENT-0000231034 dated – 01.01.2025 with change in product mix by increasing the overall capacity from 16245 MTA to 17145 MTA.

A) Project Details:

Production Details:-

Sr.No.	Products	Quantity as per EC in MTA	Quantity as per existing CTO in MTA	Proposed quantity as per CIPM in MTA	Remarks as per EC
1	3,5 Xylenol	6000	6000	6000	No Change
2	Zinc oxide desulphurization catalyst	2400	2400	2400	No Change

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3	Lead oxide catalyst	720	720	720	No Change
4	Modified alumina catalyst or Alumina absorbents reforming catalyst	1200	1200	1200	No Change
5	Mixed oxide catalyst (Cu/Ni based)	1200	1200	1200	No Change
6	Sodium sulphate salt	2475	2475	2475	No Change
7	SABS-30 (Ceramic balls)	240	240	240	No Change
8	Methane (captive use as fuel)	1710	1710	1710	No Change
9	Meta Cresol + 2,5 Xylenol	300	300	300	No Change
10	Vanadium Pentaoxide	0	0	900	Added
	Total	16245	16245	17145	

- The total existing products are 9 Nos. with manufacturing quantity of 16245 MT/A. The industry has proposed to add new product, Vanadium Pentaoxide which is an inorganic product. There is not any organic chemical synthesis in the proposed product & does not fall under the purview of EIA Notification, 2006.

B) Pollution load Details:

(i) Water consumption Aspect before and after change in product mix.

Sr. No.	Water Consumption	As per EC in (CMD)	As CTO in (CMD)	After change in product mix in CMD
1	Process	108	108	108
2	Scrubber	5	5	5
3	Washing	10	10	10
4	Boiler	10	10	10
5	Cooling	148	148	148
6	Garden	29	29	29
8	Domestic	11	11	11
	Total	321	321	321

- There are not any changes in water consumption after proposed change in product mix.

(ii) Waste water aspect before and after change in product mix.

Effluent Generation	As per EC (CMD)	Existing as per CTO (CMD)	After proposed change in product mix (CMD)
Industrial			
Process + APCM			
Boiler	85	85	85
Cooling			
Gardening	0	0	0
Other	0	0	0
Total Industrial	85	85	85
Domestic	9	9	9
Total	94	94	94

- There is no any changes in waste water generation after proposed change in product mix.

(iii) COD, BOD and TDS pollution load existing and after CIPM

Sr. No	Description	As per EC	Existing as per CTO	After NIPL
1	Process Effluent (COD & TDS)	85	85	85
	Hydraulic Load			
	COD Load	--	207.5 Kg/Day	207.5 Kg/Day
	TDS	--	7590 Kg/Day	7590 Kg/Day

- COD load & TDS load will remain same after change in product mix.

(iv) Effluent Treatment System:

Trade Effluent:

- Strong COD/TDS stream** – Treatment system comprising of Primary (Collection tank, Neutralization tank, Equalization tank, Flash mixer, Primary Clarifier/Primary Settling Tank, Primary after stmt), Distillation column followed by Sludge treatment (Sludge drying bed). The strong stream generated from process is 40 CMD & fed to the ANF system to recover the distillate for recycle back into the process.
- Weak COD/TDS stream** – Treatment system comprising of Primary (Collection tank, Neutralization tank, Equalization tank, Flash mixer, Primary Clarifier/Primary Settling Tank), Tertiary (Pressure sand filter, activated carbon filter, Resin Column of 1KL -04 Nos.), Sludge treatment (Sludge drying bed). The weak stream is 45 CMD and after treatment send to CETP for further treatment.
- Domestic Effluent:** The domestic effluent is treated in Sewage Treatment Plant of design capacity 10 CMD & treated effluent used for gardening purposes.

C) Air Emission Load:

i) Flue gas Parameters:

Stack.No.	Description	As per EC	Existing as per CTO	After NIPL	Remarks
S-1 (Common)	Thermic Fluid Heater	Briquettes	5 Ton/D	5 Ton/D	No Change
		Coal	5 Ton/D	5 Ton/D	No Change
	Steam Boiler	LDO	400 Kg/D	400 Kg/D	No Change
		Low Boiler	340 Kg/D	340 Kg/D	No Change
		High Boiler	280 Kg/D	280 Kg/D	No Change
S-2	Thermic Fluid Heater	Coal	4 Ton/D	4 Ton/D	No Change
		Methane	900 Kg/D	900 Kg/D	No Change
S-3	Activator/Dryer/Hot/Gas/Generator	--	--	--	No Change
S-4	Activator/Dryer/Hot/Gas/Generator	--	--	--	No Change
S-5	Activator/Dryer/Hot/Gas/Generator	--	--	--	No Change
S-6	Activator/Dryer/Hot/Gas/Generator	--	--	--	No Change
S-7	D. G. Set	Methane	37.5 Kg/Hr	37.5 Kg/Hr	No Change
S-8	D. G. Set	Methane	37.5 Kg/Hr	37.5 Kg/Hr	No Change
S-9	D. G. Set	HSD	62.5 Kg/Hr	62.5 Kg/Hr	No Change
S-10	D. G. Set	HSD	62.5 Kg/Hr	62.5 Kg/Hr	No Change

S-11	D. G. Set	HSD	62.5 Kg/Hr	62.5 Kg/Hr	No Change
S-12	Thermic Fluid Heater	Coal	12 Ton/D	12 Ton/D	No Change
		Methane	3.8 Ton/D	3.8 Ton/D	No Change
S-13	D. G. Set	HSD	62.5 Kg/Hr	62.5 Kg/Hr	No Change

- Industry has not proposed any change in existing utilities.

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

Sr. No.	Category	Hazardous waste Description	As per E.C (TPA)	Existing CTO (TPA)	As per CIPM (TPA)	Disposal	Remarks
1	28.1	Process Residue and wastes	36 MT/A	36 MT/A	36 MT/A	CHWTSDf	No Change
2	33.1	Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	12000 Nos./Y	12000 Nos./Y	12000 Nos./Y	Disposal through MPCB Authorised Party	No Change
3	28.1	Process Residue and wastes	72 Ton/M	72 Ton/M	72 Ton/M	Captive use as fuel and used for extraction in process/Sale to authorized party/CHWTSDf	No Change
4	28.2	Spent catalyst	2.5 MT/A	2.5 MT/A	2.5 MT/A	CHWTSDf	No Change
5	20.3	Distillation residues	150 MT/A	150 MT/A	150 MT/A	Sale/Incineration at CHWTSDf	No Change
6	6.2	Zinc fines or dust or ash or skimmings in dispersible form	10.5 MT/A	10.5 MT/A	10.5 MT/A	CPCB Registered/MPCB Authorised Party/CHWTSDf for Landfill	No Change
7	28.1	High Boiling Organics	45 Ton/M	45 Ton/M	45 Ton/M	Partly captive use as fuel and balance sale to Authorized party/ to CHWTSDf	No Change

8	--	Contaminated PPE	500 Kg/M	500 Kg/M	500 Kg/M	CHWTSDf	No Change
9	28.1	Low boiling organics	90 Ton/M	90 Ton/M	90 Ton/M	Partly captive use as fuel and balance sale to Authorized party/ to CHWTSDf	No Change

- Industry has not proposed any change in Hazardous waste generation after product mix.

E) Non-Hazardous Waste

Sr. No	Type of Waste	As Per EC, TPM	As Per CTO, TPM	After Change in Product Mix Qty.	Disposal
1	GLASS	2.5	2.5	No Change	Local Body
2	Waste papers	0.5	0.5	No Change	Sale
3	Non-Bio degradable Waste-1) Plastic Bags-	0.1	0.10	No Change	Sale
4	Waste Material Scrap	0.2	0.20	No Change	Sale
5	Waste decontamination Plastic cans	0.10	0.10	No Change	Sale

Technical Committee Deliberations:

The proposed project was discussed on the basis of documents – NIPL Certificate and presentation made by the industry. Product wise load calculation in terms of wastewater, Air emissions & Hazardous waste generation were discussed. Existing consent to operate, Environmental Clearance, NIPL Certificate issued by Aditya Environmental Services Pvt. Ltd and product mix Proforma are taken on the record.

Committee after due deliberations noticed that:

- 1) The total existing products are 9 Nos. with manufacturing quantity of 16245 MT/A. The industry has proposed to add new product, Vanadium Pentaoxide which is an inorganic product. There is not any organic chemical synthesis in the proposed product & may not fall under the purview of EIA Notification, 2006.
- 2) There are not any changes in water consumption after proposed change in product mix.
- 3) There is no any changes in waste water generation after proposed change in product mix.
- 4) COD load & TDS load will remain same after change in product mix.
- 5) Industry has not proposed any change in existing utilities.
- 6) Industry has not proposed any change in Hazardous waste generation after product mix.

Technical Committee Decision:

The Technical Committee opined that the proposal cannot be considered under NIPL, as the industry has proposed to add new product, Vanadium Pentaoxide which is an inorganic product. There is not any organic chemical synthesis in the proposed product & may not fall under the purview of EIA Notification, 2006 therefore this proposal does not fall under the purview of this Technical Committee.

The industry has the liberty to apply directly to the Board for obtaining Consent for inorganic products in the existing facility. Board may consider the said proposal accordingly on merit.

Agenda Item No.	03
Proposal No.	MPCB-CONSENT-0000232649
Project Details	M/s. Lona Industries Limited Plot No B-2/1, MIDC Mahad, Taluka-Mahad, Dist. Raigad, Maharashtra
NIPL Certificate	NIPL Certificate issued by M/s. Aditya Environmental Services Private Limited vide letter dated 21/01/2025

Introduction:

This has reference to the online proposal submitted vide UAN No.: MPCB-CONSENT-0000232649 along with the copies of documents, seeking amendment Consent to Establish under change in product-mix as per the provisions of EIA Notification 2006 amended on 23-Nov-16. Unit proposes to reduce manufacture of pigments and proposes to manufacture new aroma chemicals products & formulations.

Existing Environment Clearances (EC):

1. Environmental Clearance is accorded to the industry vide letter No. SEAC-2012/CR-/TC-2 dated 27/11/2012, wherein total pigments manufacturing capacity permitted is 800 MTPM (9600 MTPA) & its amendment granted vide ref SEAC-2011/CR-808/TC-2 dt 18/01/2013.
2. Consent to operate (part-II) vide Format1.0/CC/UAN Format1.0/AS(T)/UAN No. 0000150746/CO/2301001118 dated 12-01-2023 (valid up to 31/08/2024).
3. Consent to Establish (revalidated) vide Format1.0/CC/UAN No.0000085173/CE/ 2003001212 (valid up to 18/03/2025).

Project Details:

A) Products with change in product mix as below:

S.No	Type of Product	Product	Qty TPA				Remarks
			*As per *EC/ **CTE	***Existing as per CTO	Proposed change	After Change in Product Mix	
1	Organic Synthesis	Copper Phthalocyanine Pigments (CPC)	6000	0	-6000	0	Products to be discontinued
2		Organic Pigments	1200	0	0	1200	As per EC
3		Other Pigments (Such as Alpha Blue, Green pigments, etc)	2400	1800	-2280	120	Qty reduced
		Sub Total (Pigments)	9600	1800	-8280	1320	
4		Terpinyl Acetate	0	0	480	480	
5		Alpha -Campholenic aldehyde	0	0	600	600	
6		Dihydromyrcene (DHM)/Myrcene	0	0	2400	2400	
7		Dihydromyrcenol	0	0	2400	2400	
8		Indian Sandal Core (Levo/Other varieties)	0	0	240	240	
9		Sandal fleur (Levo/Other varieties)	0	0	240	240	
10		Muskolide	0	0	36	36	
11		Privilide	0	0	36	36	
12		Privitolide	0	0	36	36	
13		Priyal	0	0	240	240	
14		Privional	0	0	120	120	
15		Prilal	0	0	60	60	

S.No	Type of Product	Product	Qty TPA				Remarks
			*As per *EC/ **CTE	***Existing as per CTO	Proposed change	After Change in Product Mix	
		Sub total (SOCMI products)	9600	1800	-1392	8208	86% of qty approved under EC
1	FORMULATION PRODUCTS	Activated Copper blue Phthalocyanine (Blending, grinding & packing only)	0	2700	-2700	0	Product to be discontinued
2		A-Campholenic Technical	0	0	305	305	New formulated Products for sale to low end perfumery manufacturers
3		Esters 1001	0	0	63	63	
4		Floral odour compound	0	0	78	78	
5		Musky Odour compound	0	0	226	226	
6		Pinene odour	0	0	1332	1332	
7		Woody compound	0	0	424	424	
8		Citrus floral compound	0	0	883	883	Inorganic product
9		Potassium Tetrafluoroborate	0	0	41	41	
		Sub total	0	2700	652	3352	
		Grand Total	9600	4500	-740	11560	

Storage of Organic Compounds for Sale/Use in Other units

S.No	Product	As per EC/ CTE	Existing as per CTO	Proposed change	After Change in Product Mix	Remarks
1	Amberfleur & Amber gamma Storage	0	0	600 KL x 2 Nos	600 KL x 2 Nos	600 KL Capacity 4 Nos of Tank

S.No	Product	As per EC/CTE	Existing as per CTO	Proposed change	After Change in Product Mix	Remarks
2	Dihydromyrcenol Storage	0	0	600 KL x 2 Nos	600 KL x 2 Nos	For use in other unit/for sale

- Lona Industries Limited proposes to discontinue existing 1 pigment manufacturing & decrease mfg. of existing 2 pigments as per EC/CTE i.e., reduction of existing organic pigments manufacture (from 9600 MTPA to 1320 MTPA) and undertake manufacture of new aroma chemicals (6888 MTPA). Discontinuation of blending & packing of Activated Copper Phthalocyanine blue (Blending, grinding & packing only) 2700 MTPA as given in CTO. Addition of new formulation /blending products such as A-Campholenic Technical, Esters 1001, Floral odour compound, Musky Odour compound, Pinene odour, Woody compound, Citrus floral compound quantity 3311 MTPA & new inorganic product Potassium Tetrafluoroborate- 41 MTPA.
- Existing Byproducts 158064 MTPA are shifted to Hazardous waste & will be deleted in proposed product mix proposal.
- In addition, industry has also proposed storage of various organic chemicals used in their manufacturing activities, Lona Industries will be having storage of organic chemicals (Amberfleur & Amber gamma and Dihydromyrcenol) which will be used for manufacturing activities in our other units –these compounds will be only stored at the site and used elsewhere.
- The new products will be manufactured in the new manufacturing facility & additional capital investment of ~Rs. 24.20 crore is proposed.
- Industry has claimed that both existing and proposed products are covered under activity 5(f) category B synthetic organic chemicals as per EIA Notification 14.09.2006. Thus, the proposal qualifies for consideration under Change of Product Mix as per Amendment dated 23rd November 2016 of the said Notification.

B) Pollution load Details:

(i) Water consumption aspect before & after proposed change in product mix:

Particular	As Per EC/CTE, CMD	Existing as Per CTO, CMD	After change in product mix, CMD
Domestic	80	80	40
Industrial			

Processing	770	163
Washing	200	80
Boiler & Utility	160	160
Cooling Tower	140	140
Gardening	150	50
Grand Total	1500	633

- Total process water consumption will reduce by 867 CMD after proposed change in product mix.

(ii) Waste water aspect before & after proposed change in product mix:

Particular	As Per EC/CTE, CMD	Existing as Per CTO, CMD	After change in product mix, CMD
Domestic	70	12.8	20
Industrial	--	--	--
Processing	630	70	146.5
Wash water	180		80
Boiler & Utility	20		20
Cooling tower blowdown	14		14
Gardening	0	0	0
Total Trade Effluent	844	70	260.5
Grand Total	914	82.8	280.5

- The overall Trade effluent & Domestic effluent generation as per EC & CTE is 914 CMD. Industry has obtained CTO (part) with overall effluent generation 82.8 CMD
- Industry has proposed to decrease the trade effluent generation by 583.5 CMD & Domestic sewage generation by 50 CMD. The overall reduction in waste water generation will be 633.5 CMD.

(iii) COD, BOD and TDS Pollution load existing and after change in product mix.

Pollution Load Parameter	Existing	Post Change of Product Mix
COD kg/day	1130.73	601.61
TDS kg/day	8554.5	2410.81

- After proposed change in product mix the average COD and TDS Load from process will reduce by 529.13 kg/d and 6143.69 Kg/day respectively.

(iv) Treatment System

- After Change in product Mix, Low TDS stream will be 273.5 cmd and High TDS stream will be 7 cmd.
- Trade Effluent: Industry will provide comprehensive ETP (300 cmd) comprising Primary- secondary (Extended aeration) followed by Tertiary treatment for treating the low TDS effluent. High TDS stream and RO rejects will be treated in MEE.
- Domestic Effluent: Domestic Effluent is treated in separate STP & treated sewage used for gardening.
- EC permits unit to discharge 844 cmd of treated trade effluent to CETP. MIDC has vide its letter No/EE/MHD/A54008/of 19, dated 08/02/2019 permitted discharge of 844 cmd of treated trade effluent to MMA CETP. Effluent treated in ETP & treated effluent will be sent to CETP 280.5 cmd.

C) Air Emission Aspect:

i. Flue gas stack details:

Stack No.	Stack Attached to	As per EC	Existing as per CTO	As per CTE	Proposed Change in product mix	APC system	Stack Height (In meters)
S-1	Boiler -I (6 TPH)	Coal: 85.68 MT/D Furnace Oil: 28.6 MT/D	Coal: 20.16 MT/D LSHS: 6.72 KL/D	Coal/Briquette/FO: 840 MT/D	Coal-27 MTPD Briquette 36 MTPD/ Terpene Biofuel -12 KLPD	Stack with Bag Filter	22
S-2	Boiler -II (10 TPH)		Not mentioned	Coal/Briquette/FO: 2100 MT/D	Coal-48 MTPD Briquette 70 MTPD Terpene Biofuel -24 MTPD	Stack with Bag Filter	30

S-3	Thermopack -I & II (4 Lakh K Cal Each)		Not mentioned	Coal/Briquette/FO: 144 MT/D	Coal-4 MTPD Briquette 6 MTPD Terpene Biofuel – 2 MTPD	Stack with Bag Filter	22
S-4	Thermopack - III & IV (4 Lakh K Cal Each)		Not mentioned	Coal/Briquette/FO: 144 MT/D	Coal-4 MTPD Briquette 6 MTPD Terpene Biofuel – 2 MTPD	Stack with Bag Filter	22
S-5	Spin flash dryer No-1		Coal: 3.4 MT/D	Coal/Briquette/FO: 144MT/D	To be discontinued	To be discontinued	To be discontinued
S-6	Spin flash dryer No-2		Not mentioned	Coal/Briquette/FO: 201 MT/D	To be discontinued	To be discontinued	To be discontinued
S-7	DG Set 500 KVA	Not mentioned	144 KL/D	HSD 60 Lit/Hr	HSD -60 Litre/hr	Acoustic enclosure	4.5
S-8	DG Set 800 KVA (Proposed)	Proposed	Proposed	Proposed	HSD -220 Litre/hr	Acoustic enclosure	4.5
S-9	DG Set 800 KVA (Proposed)	Proposed	Proposed	Proposed	HSD -220 Litre/hr	Acoustic enclosure	4.5

- Industry proposed to dismantle coal-briquettes, FO fired spin flash dryer 1,2.
- Terpene Biofuel is low sulfur (0.5% S), high Calorific value fuel (10,000 Kcal/hr) available from Privi Speciality Chemicals Ltd, Unit II, MIDC Mahad will be used as fuel. Use of FO will be discontinued.
- Post proposal there is no change in steam requirement i.e., 14.13 TPH & thus no additional fuel will be required
- Thus, SO2 load will reduce from 35.8 TPD to 1.07 TPD

Fuel Used Existing and Proposed

S. No.	Parameter	As per EC	As per CTE	As per part CTO	After Change in Product Mix
1	Coal	85.68 MTPD	3372 MTPD	23.56 MTPD	83 MTPD OR

2	Briquettes	Nil		Nil		118 MTPD OR
3	FO	28.6 MTPD		Nil		Nil
4	LSHS	--	Nil	7.872 KLDP		Nil
5	Terpene Biofuel	Nil	Nil	Nil		40 KLDP
6	HSD	--	1.44 KLDP			12 KLDP

- Terpene Biofuel is low sulfur (0.5% S), high Calorific value fuel (10,000 Kcal/hr) available from Privi Speciality Chemicals Ltd, Unit II, MIDC Mahad will be used as fuel. Use of FO will be discontinued.
- HSD will be used only in emergencies

Process Emission Load

S. No.	Source	As per EC	As per CTE	As per part CTO	After Change in Product Mix
1	CPC Process vent (ammonia)	--	NH ₃ 35 ppm HCl 35 ppm	NH ₃ 35 ppm HCl 35 ppm	No process vent
2	Green Plant Process scrubber chlorine	--	NH ₃ 35 ppm HCl 35 ppm	--	No process vent

There will be no emissions from process after change in product mix.

D) Hazardous waste aspects:

Sr. No	Haz Waste	Category (*)	Quantity				Disposal Method
			As per EC	As per CTE	As per part CTO	After Change in Product Mix	
1	Used/Spent Oil	5.1	0.06 KLPM	--	0.01 KLPM	2.0 TPA	Sale to authorised recycler/CHWTSDf
2	Waste or residue containing oil	5.2	0.06 KLPM	--	0.01 KLPM	2.0 TPA	CHWTSDf
3	Chemical sludge from ETP	35.3	0.6 MTPM	20 MTPD	⁴ MTPD	500 TPA	CHWTSDf

Sr. No	Haz Waste	Category (*)	Quantity				Disposal Method
			As per EC	As per CTE	As per part CTO	After Change in Product Mix	
4	Process waste	26.1	0.3 MTPM	--	--	50 TPA	CHWTSDf/ Pre-processing/Co-processing
5	Ammonium Carbonate (10%) OR		3560 MTPM	--	--	0.0	NA
6	Ammonium Sulphate		1200 MTPM	400 MTPM	--	0.0	NA
7	Pure Copper Carbonate/Sulphate Salt as Cu		12 MTPM	12 MTPM	--	0.0	NA
8	Poly aluminium Chloride (Dil. Sol 10%)		900 MTPM	900 MTPM	--	0.0	NA
9	Hydrochloric Acid (30%)		150 KLPM	150 KLPM	--	0.0	NA
10	Hypochlorite		150 KLPM	150 KLPM	--	0.0	NA
11	Dilute Sulphuric acid & OR Manganese Sulphate &		8400 MTPM	2700 MTPM	--	0.0	NA
12	Or Manganese Carbonate		1920 MTPM	550 MTPM	--	0.0	NA
13	Concentration Or Evaporation Residue	35.3	--	--	--	1080	CHWTSDf/ Pre-processing/Co-processing
14	Recovered catalyst	26.5	--	--	0	18	Sale to authorized party/CHWTSDf
15	Spent carbon	36.2	--	--	0	2	
16	Resin	26.1	--	--	0	1	
17	Acetic acid 25	20.1	--	--	0	84	

Sr. No	Haz Waste	Category (*)	Quantity				Disposal Method
			As per EC	As per CTE	As per part CTO	After Change in Product Mix	
18	Acetic acid 90	20.1	--	--	0	227	Sale to authorized party/CHWTSDf
19	Sulphuric acid 25		--	--	0	9158	
20	Aqueous Fluoroboric acid (Fluoroboric acid)		--	--	0	108	
21	Distillation Residue	20.3	--	--	0	1	
22	Mixture of Trimethylammonium chloride & 4-DMP		--	--	0	56	
23	Recovered propionic acid	20.1	--	--	0	70	Reuse/Recycle/ Sale to authorized party/CHWTSDf
24	Sodium acetate Soln (27%)		--	--	0	1517	
25	Recovered MIBK	20.1	--	--	0	815	
26	Recovered Cyclohexane	20.1	--	--	0	196	
27	Recovered Diethyl ether	20.1	--	--	0	384	
28	Recovered IPA	20.1	--	--	0	49	Sale to authorised recycler/CHWTSDf
29	Recovered Methanol	20.1	--	--	0	1726	
30	Recovered Toluene	20.1	--	--	0	183	
31	Empty barrels/ Carboys/IBCs	33.1	1000 Nos/M	1000 Nos/Yr	0	3000	
	TOTAL		2027094 TPA	65544 TPA	1440.24 TPA	16229 TPA	

1	E waste	--	0.3 TPA	0.3 TPA	0.05 TPA	0.3 TPA	Sale to authorized party
2	Lead acid batteries	--	--	--	--	5 Nos/A	Sale to authorized party

- **Post change of product mix, overall hazardous waste generation will be reduced by 74.12%. This is due to the change of products from pigments to aroma chemicals.**

Technical Committee Deliberations:

The project proposal was discussed on the basis of presentation made and documents- NIPL Certificate, NIPL proforma submitted by the proponent. Product wise pollution load calculation in terms of wastewater, Air Emissions & Hazardous Waste generations were discussed. Existing Consent to Operate & Consent to Establish, Environmental Clearance, No Increase in Pollution Load certificate issued by M/s. Aditya Environmental Services Private Limited vide letter dated 21/01/2025 and product-mix proforma are taken on the record.

The committee, after due deliberation, noticed that:

- 1) Committee noted that the said proposal was discussed in the 6th meeting of Technical Committee (2024-2025) for assessment of application under change in product-mix held on 18/02/2025 & as all the three products in the EC and part CTO obtained were proposed to be completely replaced with new products. Similarly, the proposed Hazardous waste is organic in place of present inorganic nature. The whole EC is replaced through product-mix. The Technical Committee had opined to advise the unit to go for EC amendment with the new proposal due to nature of new products and new Hazardous waste.
- 2) Now the committee has noted that the unit has now submitted justification wrt Notification issued by MoEF & CC vide S.O. 980(E), dated 02/03/2021 wherein it is mentioned that **"Any increase in production capacity in respect of processing or production or manufacturing sectors (listed against item numbers 2, 3, 4 and 5 in the schedule to this Notification) with or without any change in (i) raw material-mix or (ii) product-mix or (iii) quantities within products or (iv) number of products including new products falling in the same category or (iv) configuration of the plant or process or operation in existing area contiguous to the existing area (for which prior environmental clearance has been granted) shall be exempt from the requirement of Prior Environmental Clearance provided there is no increase in pollution load (derived on the basis of such Prior Environmental Clearance)"**
- 3) Industry proposes to discontinue existing 1 pigment manufacturing & decrease mfg. of existing 2 pigments as per EC/CTE i.e., reduction of existing organic pigments manufacture (from 9600 MTPA to 1320 MTPA) and undertake manufacture of new aroma chemicals (6888 MTPA). Discontinuation of blending & packing of Activated Copper

Phthalocyanine blue (Blending, grinding & packing only) 2700 MTPA as given in CTO. Addition of new formulation /blending products such as A-Campholenic Technical, Esters 1001, Floral odour compound, Musky Odour compound, Pinene odour, Woody compound, Citrus floral compound quantity 3311 MTPA & new inorganic product Potassium Tetrafluoroborate- 41 MTPA.

- 4) Existing Byproducts 158064 MTPA are shifted to Hazardous waste & will be deleted in proposed product mix proposal.
- 5) In addition, industry has also proposed storage of various organic chemicals used in their manufacturing activities, Lona Industries will be having storage of organic chemicals (Amberfleur & Amber gamma and Dihydromyrcenol) which will be used for manufacturing activities in our other units –these compounds will be only stored at the site and used elsewhere.
- 6) The new products will be manufactured in the new manufacturing facility & additional capital investment of ~Rs. 24.20 crore is proposed.
- 7) Total process water consumption will reduce by 867 CMD after proposed change in product mix.
- 8) The overall Trade effluent & Domestic effluent generation as per EC & CTE is 914 CMD. Industry has obtained CTO (part) with overall effluent generation 82.8 CMD
- 9) Industry has proposed to decrease the trade effluent generation by 583.5 CMD & Domestic sewage generation by 50 CMD. The overall reduction in waste water generation will be 633.5 CMD.
- 10) After proposed change in product mix the average COD and TDS Load from process will reduce by 529.13 kg/d and 6143.69 Kg/day respectively..
- 11) Industry proposed to dismantle coal-briquettes, FO fired spin flash dryer 1,2.
- 12) Terpene Biofuel is low sulfur (0.5% S), high Calorific value fuel (10,000 Kcal/hr) available from Privi Speciality Chemicals Ltd, Unit II, MIDC Mahad will be used as fuel. Use of FO will be discontinued.
- 13) Post proposal there is no change in steam requirement i.e., 14.13 TPH & thus no additional fuel will be required. Thus, SO2 load will reduce from 35.8 TPD to 1.07 TPD
- 14) There will be no emissions from process after change in product mix.
- 15) Post change of product mix, overall hazardous waste generation will be reduced by 74.12%. This is due to the change of products from pigments to aroma chemicals.

Technical Committee Decision:

Technical Committee decided to recommend the case for Consent to Establish under change in product mix based on "No Increase in Pollution Load" as per the provision of EIA notification 2006 with compliance of the following conditions.

- 1) Industry shall comply with all the conditions stipulated in Environmental Clearance and ensure display/upload of six-monthly compliance monitoring report on their official website.
- 2) Industry shall ensure connectivity of OCEMS data to Board server.

- 3) Industry shall comply with the mechanism for Environmental management prepared by Central Pollution Control Board for CEPI listed areas, as industry falls under Severely Polluted Area (SPA) of CEPI.
- 4) Industry shall achieve TPM-50 mg/NM3 being the unit is in CEPI area as per MPC Board policy and accordingly consent shall be amended for the stringent standards.
- 5) Industry shall ensure disposal of Hazardous Waste to the actual user having permission under Rule 9 of Hazardous and other Waste (M & TM) Rules, 2016.
- 6) For new storage facilities at site the unit should take requisite permissions/clearances from concerned departments like fire clearance, DISH etc.
- 7) The condition shall be imposed as "If any submission of misleading information including NIPL certificate is noticed, then the consent issued under MoEF & CC Product Mix Circular dtd. 02.03.2021 and amendments thereto will stand automatically cancelled."

Agenda Item No.	04
Proposal No.	MPCB-CONSENT-0000231800
Project Details	M/s Penna Cement Industries Limited, Gut No. 594, Kangaon Village, Tal-Daund, Dist-Pune.
NIPL Certificate	NIPL certificate issued by P & M Solutions

This has reference to the online proposal submitted vide UAN No.: MPCB-CONSENT-0000231800 along with the copies of documents, seeking amendment in consent under change in product mix under the provisions of EIA Notification 2006 amended on 23/11/2016 & amended on 02/3/2021.

Industry has requested that due to some unavoidable circumstances they are unable to attend the meeting scheduled for 24/04/2025 & 25/04/2025 and requested to postpone their proposal in the upcoming meeting.

In view of the above, as per the request of the project proponent, the Technical Committee decided to consider this proposal in the next meeting.

Agenda Item No.	05
Proposal No.	MPCB-CONSENT-0000231971
Project Details	M/s. Cipla Limited [Unit 2] Plot No. A-42, Patalganga, Khalapur, Raigad
NIPL Certificate	NIPL certificate issued by Ultra Tech (Environmental Consultancy & Environmental Testing Laboratory)

Introduction:

This has reference to the online proposal submitted vide No. MPCB-CONSENT-0000231971 along with the copies of documents seeking renewal of consent with change in product under change in product –mix as per the provision of EIA Notification 2006 amended on 23/11/2016 and 02/03/2021. Industry has obtained consent to operate on 28/09/2024 and requested for amendment in consent to operate under change in product mix.

Existing Clearances:

- 1) Unit is established prior to EIA Notification. Industry has submitted copy of letter issued by Member Secretary, SEIAA vide dated 30/09/2022.
- 2) Consent to operate obtained with vide No. Format1.0/CAC/UAN No. MPCB-CONSENT-0000199828/CR/2409001812 dated 28/09/2024 valid for the period up to 30/04/2029

A) Project Details:

Production Details:-

API Production Scenario

Sr. No.	Product Name	Existing Consent Qty (MT/A)	Proposed Qty. in Product mix (MT/A)	Addition / Reduction (MT/A)
1.	Alfuzosin Hydrochloride	0.05	0.05	0
2.	Placitaxel	0.05	0	-0.05
3.	Docetaxel Trihydrate/Anhydrous	0.1	0	-0.1
4.	Ropinirole HCl	0.05	0	-0.05
5.	Irinotecan Hydrochloride Trihydrate	0.05	0	-0.05
6.	Rapaglinide	0.05	0.05	0
7.	Desloratidine	6	6	0

Sr. No.	Product Name	Existing Consent Qty (MT/A)	Proposed Qty. in Product mix (MT/A)	Addition / Reduction (MT/A)
8.	Lecarnadipine	0.05	0.05	0
9.	Azelastin	0.1	0	-0.1
10.	Proparacaine HCl	0.05	0	-0.05
11.	Telmisartan	0.1	0.1	0
12.	Irbesartan	0.05	0.05	0
13.	Guggelsterone	0.05	0	-0.05
14.	Gatifloxacin	0.05	0.05	0
15.	Stavudine	0.05	0.05	0
16.	Zidovudine	0.05	0.05	0
17.	Glatiramer Acetate	0.05	0.05	0
18.	Exemestane	0.05	0.05	0
19.	Brimonidine Tartarate	0.05	0.05	0
20.	Nelfinavir	0.05	0.05	0
21.	Moxifloxacin	1	1	0
22.	Dorzalomide Hydrochloride	0.1	0.1	0
23.	Efavirenz	0.05	0.05	0
24.	Imiquimod	0.05	0.05	0
25.	Valsartan	0.05	0.05	0
26.	Abacavir	0.05	0.05	0
27.	Dutasteride	0.2	0.2	0
28.	Finasteride	5	5	0
29.	Cetirizine Dihydrochloride	7	7	0
30.	Tolteredine	0.05	0.05	0
31.	Oxpentifyline	0.05	0	-0.05
32.	Piroxcam USP	0.05	0	-0.05
33.	Pefloxacin Mesylate	0.05	0.05	0
34.	Ranitidine Hydrochloride	0.05	0	-0.05
35.	Roxithromysin	0.05	0	-0.05
36.	Mirtazapine	0.1	0.1	0

Sr. No.	Product Name	Existing Consent Qty (MT/A)	Proposed Qty. in Product mix (MT/A)	Addition / Reduction (MT/A)
37.	Doxazosin Mesylate	0.1	0.1	0
38.	Levo Salbutamol Sulphate	0.1	0.1	0
39.	Perindopril Ebumine	0.1	0.1	0
40.	Deferisvox	0.05	0.05	0
41.	Ciprofloxacin HCL Monohydrate	0.05	0.05	0
42.	Selegiline Hydrochloride	0.05	0	-0.05
43.	Brimonidine Tartarate	0.05	0	-0.05
44.	Ranolazine	0.05	0	-0.05
45.	Ranolazine Dihydrochloride	0.05	0	-0.05
46.	Levocetirizine	4	4	0
47.	Salmeterol Xinafoate	0.1	0.1	0
48.	Ondansetron Hydrochloride	0.05	0.05	0
49.	Valacyclovir Hydrochloride	0.1	0.1	0
50.	Torsemide	0.1	0.1	0
51.	Pregablin	0.1	0.1	0
52.	Repiglinide	0.05	0	-0.05
53.	Rizatriptan Benzoate	0.05	0.05	0
54.	Simvastatin	0.05	0.05	0
55.	Tamsulosin Hydrochloride	0.1	0.1	0
56.	Danazol	0.1	0.1	0
57.	Terbutaline Sulphate	0.1	0.1	0
58.	Terfenadine	0.1	0.1	0
59.	Valgancyclovir	0.05	0.05	0
60.	Varriconazole	0.05	0.05	0
61.	Rivastigmine	0.1	0.1	0
62.	Bambuterol Hydrochloride	0.05	0	-0.05
63.	Trimetazidine Dihydrochloride	0.05	0.05	0
64.	Artesunate	3	3	0
65.	Artemether	5	5	0

Sr. No.	Product Name	Existing Consent Qty (MT/A)	Proposed Qty. in Product mix (MT/A)	Addition / Reduction (MT/A)
66.	Citalopram Hydrobromide	3	3	0
67.	Levo Salbutamol Hydrochloride	0.1	0.1	0
68.	Clarithromycin	0.05	0.05	0
69.	Fluconazole	0.05	0.05	0
70.	Praziquantel	0.1	0.1	0
71.	Ciclesonide	0.05	0	-0.05
72.	Rimonabant	0.05	0.05	0
73.	Sumatriptan Succinate	0.05	0.05	0
74.	Albuterol Sulphate	0.1	0.1	0
75.	Escitalopram Oxalate	19	19	0
76.	Olmesartan Medoxionil	0.05	0.05	0
77.	Lumifantrine	0.05	0.05	0
78.	Lamivudine	0.05	0.05	0
79.	Lveteracetum	0.05	0.05	0
80.	Adafovir	0.05	0.05	0
81.	Pregnenolol	0.05	0	-0.05
82.	Troventol Hydrochloride	0.05	0.05	0
83.	Saquinavir Mesylate	0.05	0.05	0
84.	Tegaseride Maleate	0.05	0.05	0
85.	Lorazepam	0.05	0.05	0
86.	Atovaquone	0.05	0.05	0
87.	Zanamavir	0.05	0.05	0
88.	Venlafaxin Hydrochloride	36.95	38	+1.05
	API Production	95	95	0

Miscellaneous Formulation Product Scenario

Table No.1.0

Miscellaneous Formulation- Pharma Product			
Sr. No.	Product Name	Existing Volume in Million. Nos./Year	Proposed Volume in Million. Nos./Year
	Formulation-Pharma Production	867.573046	1102.291284
	MT/A	105	105
	Total Production (API+ Formulation)	200	200
			0
			+234.718238
			0
			0

- Industry proposes to remove 19Nos of API products i.e., 88 to 69Nos, however quantities of API products shall be same i.e., **95MT/A**, whereas there is addition/reduction in Miscellaneous Formulation quantities but total shall be same to the tune of **105MTA**.
- The total production of API & Formulation will be same to the tune of 200MT/A. Thereby, there will be **NO ADDITION** in the overall production capacity as granted in the earlier consent.

Technical Committee Deliberations: -

The proposed project was discussed on the basis of documents – NIPL Certificate and presentation made by the industry. Product wise load calculation in terms of wastewater, Air emissions & Hazardous waste generation were discussed. Existing consent to operate, Environmental Clearance, NIPL Certificate issued by Ultra Tech (Environmental Consultancy & Environmental Testing Laboratory) and Product Mix Proforma are taken on the record.

After due deliberations, Committee noticed that:

- 1) The industry has claimed that, the establishment of the said industry is in the year 1981 which is even prior to E (P) act 1986, and the EIA notifications of the year 1994 and 2006 and produced a letter issued by State level Environment Impact Assessment Authority (SEIAA) vide no SIAMH/IND/70762/2018 dated 30/09/2022 wherein SEIAA after deliberations decided to reject the instant proposal as the provisions of EIA Notification, are not applicable as per facts mentioned in the letter. It is further directed in the letter that, if there is any expansion beyond the stated production and pollution load, PP will have to obtain prior Environmental Clearance under EIA Notification, 2006
- 2) The committee also noted that the sister concern unit i.e., M/s. Cipla Ltd., (Unit 3), Plot No. A-2, MIDC Patalganga, Tal. Khalapur, Dist. Raigad had previously applied under NIPL vide MPCB-CONSENT- 0000174275 along with similar proposal wherein the Committee had noted that the technical committee is having mandate to compare / determine the

"Pollution Load" on the basis of prior Environmental Clearance. In absence of the Environmental Clearance and on the request of project proponent, the committee has taken the record of pollution load comparison submitted by the project proponent based on last consent to operate certificate issued by the Board vide No. Format 1.0/CAC/UAN No. MPCB-CONSENT 0000130621 /CR/ 2209001230 dated 19.09.2022 and came to conclusion that, there is "No Increase in Pollution Load".

However, this product mix facility is available to those units which have obtained prior environmental clearance under EIA Notification, 1994 and EIA Notification, 2006.

- 3) The Technical Committee during discussion of the said proposal of sister concern unit had noted that, PP does not have Environmental Clearance (EC) for the existing consented products being the unit is established prior to EIA Notification 1994 and 2006. Now PP has proposed to manufacture additional products by replacing/ reducing some of the existing product/ production quantity under Change in Product-Mix. However, as per EIA Notification, 2006 and subsequent amendments thereto, it is understood that Product-Mix benefit can be availed by the units who were earlier having Environmental Clearance (EC).

After due deliberations and discussions Technical Committee decided that, it will be appropriate to seek guidance from MoEF & CC, regarding this product – mix application as well other such units, who were then not required to obtain EC/ exempted as having old establishment prior to EC applicability, if NIPL is satisfied and in such cases the pollution load can be compared with valid consent to operate (CTO) for getting exemption from going through entire EIA process. Technical Committee decided to send a letter to the Joint Secretary, MoEF&CC for seeking the guidance in the matter. Technical Committee decided to defer the case till receipt of guidance from MoEF & CC. with liberty that PP may pursue in this regard with MoEF & CC.

Technical Committee Decision: -

After due deliberations and discussions Technical Committee decided that, it will be appropriate to seek guidance from MoEF & CC, regarding this product – mix application as well other such units, who were then not required to obtain EC/ exempted as having old establishment prior to EC applicability, if NIPL is satisfied and in such cases the pollution load can be compared with valid consent to operate (CTO) for getting exemption from going through entire EIA process. Technical Committee decided to send a letter to the Joint Secretary, MoEF&CC for seeking the guidance in the matter. Technical Committee decided to defer the case till receipt of guidance from MoEF & CC. with liberty that PP may pursue in this regard with MoEF & CC.

Agenda Item No.	06
Proposal No.	MPCB-CONSENT-0000235833
Project Details	M/s. Shogun Organics Limited. Plot No. D-18, MIDC Kurkumbh, Tal. Daund, Dist. Pune
NIPL Certificate	NIPL certificate issued by Aditya Environmental Services Pvt. Ltd., No., Date: 13/02/2025

Introduction:

This has reference to the online proposal submitted vide No. MPCB-CONSENT-0000235833 along with the copies of documents seeking Amendment in existing Consent to Operate with change in product mix under the provision of EIA Notification 2006 amended on 02.03.2021 and thereof.

Existing Clearances:

- 1) Environmental Clearance is granted to industry by MoEF and CC with vide No. EC22A017MH117397 dated 01.06.2022 for the total production capacity of 4211.80 TPA (Excluding formulations).
- 2) The unit has valid consent to operate having vide No: - Format1.0/CAC/UAN No. 0000152003/CO/2307000577 dated 11.07.2023 valid up to 31.07.2027 for production capacity of 1739 TPA of Technical products, 2213.2 TPA of Formulation products and 25000 Nos./M of Heater machines.

A) Project Details:

Production Details:-

Group No.	Sr. No.	Product Name	As per EC Condition, TPA	Existing As per CTO, TPA	Proposed After CIPM, TPA	Remarks
1	1	D-Trans Allethrin Tech	100	696	SHED-1 SET-1	Reduced the production quantity from 696 TPA to 500 TPA
	2	D-Allethrin Tech	100			
	3	Prallethrin Tech	100			
	4	Transfluthrin Tech	200			
	5	Bifenthrin Tech	200			

Group No.	Sr. No.	Product Name	As per EC Condition, TPA	Existing As per CTO, TPA	Proposed After CIPM, TPA	Remarks	
	6	Permethrin Tech	100				
	7	DEET Tech	100				
	8	Renofluthrin Tech	100				
	9	Dimefluthrin Tech	100				
	10	Cloquintocet Mexyl Tech	100				
	11	Deltamethrin Tech	100				
	12	Cypermethrin Tech	200				
	13	Lambda Cyhalothrin Tech	150				
	14	Fipronil Tech	100				
	15	Imidacloprid Tech	100				
Intermediates (Technical Products)							
2	16	Chrysanthemic Acid Chloride	100	143	0	Deleted Product	
	17	R-Cypermethric Acid	100			Product Shifted to SET-3 of SHED-3 group.	
	18	Cypermethric Acid Chloride	200		339	Increase in production quantity from 143 TPA to 339 TPA	
	19	Fipronil Tech	100			Reduced the production quantity from 696 TPA to 339 TPA and added to SET-2 of SHED-1 group.	
	20	Imidacloprid Tech	100			Newly Added Product	
	21	Octanoyl Chloride	--				
	22	Heptanoyl Chloride	--				
	23	Benzoquinone Tech	--				
	SHED-3 (Technical Products)				SHED-3 SET-1		

Group No.	Sr. No.	Product Name	As per EC Condition, TPA	Existing As per CTO, TPA	Proposed After CIPM, TPA	Remarks
3	24	Pyrazosulfuron Ethyl Tech	100	900	700	Reduced the production quantity from 900 TPA to 700 TPA
	25	Thiamethoxam Tech	300			
	26	Metribuzin Tech	200			
	27	Penoxsulam Tech	200			
	28	Quizalofop Ethyl Tech	100			
	29	Dinotefuran Tech	100			
	30	Pymetrozine Tech	100			
	31	Pyriproxyfen Tech	100			
	32	Pyraclostrobin Tech	100			
	33	Picoxystrobin Tech	--			
	34	Pinoxaden Tech	--			
	35	Glufosinate Ammonium Tech	--			
SHED-3 (Technical Products)	36	Pyrozasulfone Tech	--	0	SHED-3 SET-2	Newly Added Product
	37	Mesotrione Tech	100			
	38	Difenoconazole Tech	100			
	39	Bispyribac Sodium Tech	100			
	40	Clodinafop Propargyl Tech	200			
	41	Tebuconazole Tech	200			
	42	Ametryn Tech	100			
	43	Chlorantraniliprole Tech	100			
	44	Tembotrione Tech	--			
	45	Pyrasulfotole Tech	--			
	46	Isoxaflutole Tech	--			
	3	47	Flubendiamide Tech			
37		Mesotrione Tech	100			
38		Difenoconazole Tech	100			
39		Bispyribac Sodium Tech	100			
40		Clodinafop Propargyl Tech	200			
41		Tebuconazole Tech	200			
42		Ametryn Tech	100			
43		Chlorantraniliprole Tech	100			
44		Tembotrione Tech	--			
45		Pyrasulfotole Tech	--			
46		Isoxaflutole Tech	--			
47		Flubendiamide Tech	--			
3	37	Mesotrione Tech	100	0	SHED-3 SET-2	Newly Added Product
	38	Difenoconazole Tech	100			
	39	Bispyribac Sodium Tech	100			
	40	Clodinafop Propargyl Tech	200			
	41	Tebuconazole Tech	200			
	42	Ametryn Tech	100			
	43	Chlorantraniliprole Tech	100			
	44	Tembotrione Tech	--			
	45	Pyrasulfotole Tech	--			
	46	Isoxaflutole Tech	--			
	47	Flubendiamide Tech	--			

Group No.	Sr. No.	Product Name	As per EC Condition, TPA	Existing As per CTO, TPA	Proposed After CIPM, TPA	Remarks	
SHED-3 (Technical Products)							
3	48	Flonicamid Tech	100	900	SHED-3 SET-3	Reduced the production quantity from 900 TPA to 150 TPA	
	49	Lambda Cyhalothrin Tech	150	--		150	Reduced the production quantity from 696 TPA to 150 TPA & Product Shifted from SET-1 of SHED-1 group to SET-3 of SHED-3 group.
	50	Cypermethrin Tech	200				
	51	Deltamethrin Tech	100				
	52	R-Cypermethric Acid	100	--		Increase in production quantity from 143 TPA to 150 TPA & Product Shifted from SET-2 of SHED-1 group to SET-3 of SHED-3 group.	
	53	Trifloxystrobin Tech	--	0		Newly Added Products	
	54	Propaquizafop Tech	--				
55	Cyantraniliprole Tech	--					
Total			4211.80	1739	2089		

• As per EC the mfg. is divided in 5 groups along with By Product for total mfg. of 4211.80 TPA.

- a) **In Group 1** total capacity will not exceed 881 TPA. For the purpose of By-product, they have assumed a typical scenario of production of max 200 MT/A of product No. 2, 3, 13 & 100 TPA for the remaining 17 products. Thus building safety, By-products, raw material requirement, hazardous waste which actually could be much lower as a cumulative production with maximum 881 TPA
- b) **In Group 2** total capacity will not exceed 900 TPA. For the purpose of By-product, they have assumed a typical scenario of production of max 200 MT/A of product No. 2, 3, 5 & 8 & 100 TPA for the remaining 10 products. Thus building safety,

By-products, raw material requirement, hazardous waste which actually could be much lower as a cumulative production with maximum 900 TPA

c) **In Group 3** total capacity will not exceed 900 TPA. For the purpose of By-product, they have assumed a typical scenario of production of max 300 MT/A of product No. 1 & 2, 200 TPA for product No. 7 & 100 TPA for the remaining 35 products. Thus building safety, By-products, raw material requirement, hazardous waste which actually could be much lower as a cumulative production with maximum 900 TPA

d) **In Group 4** total capacity will not exceed 900 TPA. For the purpose of By-product, they have assumed a typical scenario of production of max 150 MT/A of product No. 12 & 13 & 100 TPA for the remaining 14 products. Thus building safety, By-products, raw material requirement, hazardous waste which actually could be much lower as a cumulative production with maximum 900 TPA.

e) **In Group 3** total capacity will not exceed 600 TPA. For the purpose of By-product, they have assumed a typical scenario of production of max 200 MT/A for all 9 product. Thus building safety, By-products, raw material requirement, hazardous waste which actually could be much lower as a cumulative production with maximum 600 TPA

- The industry in product quantity has shown quantity of each product based on condition given in the EC. However the overall mfg. capacity shown is 4211.80 TPA. Now the industry has proposed to exchange products in all groups with one another so as to achieve no increase in pollution load.
- As per the group scenario after product mix submitted, industry has proposed change in product mix by Addition of 14 new products, decreasing production capacity of 32 existing products, deleted production quantity of 1 existing product & increasing production quantity of 2 existing products.
- Industry has proposed that production capacity of the technical products in plant will be increased from 1739 TPA to 2089 TPA i.e. 350 TPA increase in production capacity keeping pollution load within the consent limit.

Formulations:

Sr. No.	Product Name	Existing As per CTO, (TPA)	Proposed After CIPM (TPA)	Remarks
SHED-2 (Formulation Products)				
1	LV with 0.88% Transfluthrin (35 ML & 45 ML)	108	108	No Change
2	LV with 1.6% Transfluthrin (35 ML & 45 ML)	108	108	No Change
3	Imidacloprid 2.15% Gel	15	15	No Change
4	Imidacloprid 17.8% SL	15	15	No Change
5	Imidacloprid 30.5% SC	15	15	No Change

Sr. No.	Product Name	Existing As per CTO, (TPA)	Proposed After CIPM (TPA)	Remarks
6	Fipronil 5% Gel	15	15	No Change
7	Transfluthrin 1% FU	36	36	No Change
8	Renofluthrin 5% MUP	360	4800	Increases
9	Solvent Mix	36	36	No Change
10	DEP with Perfume	36	36	No Change
11	Renofluthrin 0.025% Coil	60	60	No Change
12	Renofluthrin 0.03% Coil	60	60	No Change
13	Transfluthrin 12% AE	120	120	No Change
14	Renofluthrin 0.17% Insence Sticks (Agarbatti)	50.40	50.40	No Change
15	Renofluthrin 0.20% Insence Sticks (Agarbatti)	50.40	50.40	No Change
16	Renofluthrin 0.125% Insence Sticks (Agarbatti)	50.40	50.40	No Change
17	Renofluthrin 0.75% Liquid Vaporiser	108.00	108.00	No Change
18	Transfluthrin 0.06% + Cypermethrin 0.11% AE	120.00	120.00	No Change
19	Aluminium Phosphide 15% Tablet	200.00	200.00	No Change
20	Aluminium Phosphide 56% (F)	200.00	200.00	No Change
21	Transfluthrin 0.07% + Cypermethrin 0.12% w/w Aerosol (AE)	250.00	250.00	No Change
22	d-trans Allethrin 0.25% Aerosol	200.00	200.00	No Change
23	Heater Machines	25000 Nos/M	25000 Nos/M	No Change
Total		2213.20 TPA & 25000 Nos/M	6653.20 TPA & 25000 Nos/M	

- Production capacity of 1 formulation product i.e., Renofluthrin 5% MUP is increased from 360 TPA to 4800 TPA and production capacity will remain same for the remaining 22 existing formulation products.

- Production capacity of formulation products will be increased from 2213.20 TPA to 6653.20 TPA i.e., 4440 TPA increase in production capacity and quantity of heater machines will remain same i.e., 25000 Nos./M.

B) Water Pollution Load Details:

i) Water Aspect: -

Particular	As Per EC, CMD	Existing as Per CTO, CMD	After change in product mix, CMD
Industrial Cooling, spraying in mine pits or boiler feed	994.43	265.67	265.67
Domestic Purpose		16.60	16.60
Processing whereby water gets polluted, and pollutants are easily biodegradable.		74.35	73.87
Gardening		173.88	173.88
Grand Total	994.43	530.50	530.02

- Total water consumption is reduced by 0.48 CMD as compared to part CTO after proposed change in product mix.

ii) Wastewater Aspect: -

Particular	As Per EC, CMD	Existing as Per CTO, CMD	After change in product mix, CMD	Mode of Disposal & Ultimate Receiving Body
Process	259.28	56.71	56.21	Recycle 100% to achieve ZLD
Cooling Tower & Boiler (Utility)				
Total Industrial	259.28	56.71	56.21	Recycle 100% to achieve ZLD
Domestic purpose	25.80 (Not mentioned in EC)	13.8	13.8	
Grand Total	285.08	70.51	70.01	

- Industry has proposed to decrease in the trade effluent quantity by 0.5 CMD as compared to part CTO.

iii) Pollution Load with respect to the Changes proposed: -

At Actual existing effluent characteristic: -					
	From Process		From Cooling Tower & Boiler Blowdown, Washing Activity		
Flow (CMD)	48.32 (Strong)		8.39 (Weak)		
Parameter	Kg/Day	mg/L	Kg/Day	mg/L	
COD	2400.6	49695	8.4	1000	
BOD	1198.8	24816	4.0	480	
TDS	5653.4	117032	11.7	1400	
After Product Mix Effluent characteristic: -					
	From Process		From Cooling Tower & Boiler Blowdown, Washing Activity		
Flow (CMD)	47.82 (Strong)		8.39 (Weak)		
Parameter	Kg/Day	mg/L	Kg/Day	mg/L	
COD	2390.2	49983	8.4	1000	
BOD	1186.9	24821	4.0	480	
TDS	5641.1	117967	11.7	1400	

- After the proposed product mix the COD, BOD & TDS values of effluent decreased by 0.43%, 0.99%, 0.21% respectively.

iv) Effluent Treatment System: -

a) Trade Effluent:

The wastewater is segregated into strong stream (47.82 CMD) and weak stream (8.39 CMD). Strong stream from process is treated in system comprising of Primary (Collection tank, Neutralization tank, Primary clarifier/Primary settling tank), Stripper followed by Multi effect evaporator (4 stage) and ATFD. Primarily treated weak stream from utility blow downs, domestic wastewater and MEE/ATFD condensate is treated in Secondary Treatment (MBR) followed by Tertiary Treatment (Pressure sand filter & Activated carbon filter). Tertiary treated effluent is fed to RO. RO reject is sent to MEE and permeate is recycled and reused for secondary purposes to achieve ZLD. Existing ETP of capacity (70 CMD) is sufficient to treat the effluent as per existing and proposed effluent characteristics.

b) Domestic Effluent:

Primary treated sewage connected to Effluent Treatment Plant for further treatment & disposal.

c) Air Emission Aspect: -

Sr. No.	Type of Fuel	As per EC	As per CTO	After Change in Product Mix Qty.	APC system
1	LDO [Boiler-I (1.25 TPH) & Thermic Fluid Heater (4 Lac Kcal/Hr.)]	2 TPD	808.5 Lit/Day	808.5 Lit/Day	Stack
2	Briquette [Boiler-II (4 TPH)]	15 TPD	15 TPD	15 TPD	Multi cyclone followed by bag filter
3	HSD [DG Set (320 KVA)]	12.5 Ltr/Hr.	12.5 Ltr/Hr.	6.25 Ltr/Hr.**	Acoustic Enclosure

- **The existing CTO mentions two DG Sets with a capacity of 320 KVA each having fuel consumption 6.25 Ltr/Hr. for each DG set. However, at actual only one DG set having capacity 320 KVA is available at site.
- There is no change the steam requirements. The fuel consumption of the boiler for the changed production profile will remain same.

Process emission Aspect: -

Sr. No.	Stack No. as per CTO	Stack Attached to	APC system	Stack Height (m)
1	S4	Process Vent-1	Scrubber	7.0
2	S5	Process Vent-2	Scrubber	7.0
3	S6	Process Vent-3	Scrubber	7.0
4	S7	Process Vent-4	Scrubber	7.0

- There will be no change in process emissions as compared to existing consent i.e., Ammonia, HBr, SO2 (process) & HCl.

D) Hazardous Waste Load: -

Sr. No	Type of Waste	Cat. No.	UOM	As per EC	As per CTO	After Change in Product Mix Qty.	Disposal
1	Sludge containing residual pesticides	29.2	TPA	50.0	29.0	29.0	CHWTSDf
2	Spent Acid (Hydrochloric Acid)	29.6	TPA	835.0	133.88	43.80	Sale to authorized party / CHWTSDf
3	Spent Acid (S-Cypermethic Acid)	29.6	TPA	143	92.76	139.11	Sale to authorized party / CHWTSDf
4	Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	33.1	Nos./ Y	2000	1103	1103	Sale to authorized party / CHWTSDf
5	Process Waste or Residue (Sodium Sulfite)	29.1	TPA	1275.0	297.4	138.10	CHWTSDf
6	Chemical sludge from waste water treatment	35.3	TPA	600	366.76	366.76	CHWTSDf
7	Mixed Salt from Process (Residue)	-	TPA	Not Mentioned	35.52	50.43	CHWTSDf
8	Concentration or evaporation residues	37.3	TPA	9400.0 (given as MEE salt in EC under 35.3 category)	1854	1854	CHWTSDf
9	Mixed Solvents from Stripper	20.2	TPA	1030.0	422	422	Sale to authorized party / CHWTSDf
10	Process Wastes or Residues (Potassium Bromide)	29.1	TPA	37.80	16.8	130.76	Sale to authorized party / CHWTSDf

Sr. No	Type of Waste	Cat. No.	UOM	As per EC	As per CTO	After Change in Product Mix Qty.	Disposal
11	Spent Solvents (Phenol)	29.4	TPA	53.50	5.4	37.66	Sale to authorized party / CHWTSDf
12	Spent Solvents (Methanol)	29.4	TPA	27.0	5.3	36.60	Sale to authorized party / CHWTSDf
13	Distillation residues	20.3	TPA	256.0	151.6	186.55	CHWTSDf
14	Spent solvents	29.4	TPA	271.0	108.4	82.0	CHWTSDf
15	Spent Carbon from ETP	35.3	TPA	185.0	Not Mentioned	----	CHWTSDf
16	Process waste or residues* (Potassium Sulphate)	29.1	TPA	52.30	Not Mentioned	----	In house consumption / Sale to authorized party / CHWTSDf
17	Process waste or residues* (Hydrogen Bromide)	29.1	TPA	415.60	Not Mentioned	----	In house consumption / Sale to authorized party / CHWTSDf
18	Process waste or residues* (Sodium bromide)	29.1	TPA	43.30	Not Mentioned	----	In house consumption / Sale to authorized party / CHWTSDf
19	Process waste or residues* (Methyl hydrogen)	29.1	TPA	38.0	Not Mentioned	----	In house consumption / Sale to authorized party / CHWTSDf
20	Process waste or residues* (Copper Chloride)	29.1	TPA	15.0	Not Mentioned	----	In house consumption / Sale to authorized party / CHWTSDf

Sr. No	Type of Waste	Cat. No.	UOM	As per EC	As per CTO	After Change in Product Mix Qty.	Disposal
21	Process waste or residues* (Ammonia solution)	29.1	TPA	291.10	Not Mentioned	----	In house consumption / Sale to authorized party / CHWTSDF
22	Process waste or residues* (Potassium salt)	29.1	TPA	343.50	Not Mentioned	----	In house consumption / Sale to authorized party / CHWTSDF
23	Spent solvents (Ethanol)	29.4	TPA	12.50	Not Mentioned	----	In house consumption / Sale to authorized party / CHWTSDF
24	Process waste or residues* (Potassium bicarbonate)	29.1	TPA	44.10	Not Mentioned	----	In house consumption / Sale to authorized party / CHWTSDF
Total		-	-	15418.7 TPA, 2000 Nos./Y	3518.82 TPA, 1103 Nos./Y	3516.76 TPA, 1103 Nos./Y	

- Hazardous waste which are mentioned in EC but not mentioned in consent as CTO is not obtained for full capacity. Hazardous waste is not considered as the product from which it is generated is not part of the consent and the proposed change in the product mix.
- The total hazardous waste is reduced by 2.06 TPA as compared to part CTO.**

E) Non-Hazardous Waste

Sr. No	Type of Waste	UOM	EC	Existing as per CTO	After Change in Product Mix Qty.	Disposal
1	Ash form Briquette	TPA	1750	600	600	Sale to Brick Manufacturer
2	Scrap paper and garbage	TPA	50	21.3	21.3	Sale to authorized party
3	STP Sludge	TPA	5	Not Mentioned	Not Mentioned	Used as manure for Gardening

F) Conditions under Batteries (Management and Handling) Rules 2001:

Sr. No	Type of Waste	EC	Existing as per CTO	After Change in Product Mix Qty.	Disposal
1	Battery Waste	Not Mentioned	0.80 TPA	0.80 TPA	Sale to Authorized Recycler

G) Conditions under E-waste management:

Sr. No	Type of Waste	EC	Existing as per CTO	After Change in Product Mix Qty.	Disposal
1	E-waste	Not Mentioned	0.80 TPA	0.80 TPA	Sale to Authorized Recycler

H) Treatment and Disposal of Biomedical Waste generated to CBMWTSDF:

Sr. No	Category	Type of Waste	UOM	Existing as per CTO	After Change in Product Mix Qty.	Segregation Colour Coding	Disposal
1	Yellow	Soiled Waste	Kg/M	0.20	0.20	Yellow colored non-chlorinated plastic bags or containers	CBMWTSDF

Technical Committee Deliberations: -

The proposed project was discussed on the basis of documents – NIPL Certificate and presentation made by the industry. Product wise load calculation in terms of wastewater, Air emissions & Hazardous waste generation were discussed. Existing consent to operate, Environmental Clearance, NIPL Certificate issued by Aditya Environmental Services Pvt. Ltd and product mix Proforma are taken on the record

After due deliberations, Committee noticed that:

- As per EC the mfg. is divided in 5 groups along with By Product for total mfg. of 4211.80 TPA.
- a) **In Group 1** total capacity will not exceed 881 TPA. For the purpose of By-product, they have assumed a typical scenario of production of max 200 MT/A of product No. 2, 3, 13 & 100 TPA for the remaining 17 products. Thus building safety, By-products, raw material requirement, hazardous waste which actually could be much lower as a cumulative production with maximum 881 TPA
- b) **In Group 2** total capacity will not exceed 900 TPA. For the purpose of By-product, they have assumed a typical scenario of production of max 200 MT/A of product No. 2, 3, 5 & 8 & 100 TPA for the remaining 10 products. Thus building safety, By-products, raw material requirement, hazardous waste which actually could be much lower as a cumulative production with maximum 900 TPA
- c) **In Group 3** total capacity will not exceed 900 TPA. For the purpose of By-product, they have assumed a typical scenario of production of max 300 MT/A of product No. 1 & 2, 200 TPA for product No. 7 & 100 TPA for the remaining 35 products. Thus building safety, By-products, raw material requirement, hazardous waste which actually could be much lower as a cumulative production with maximum 900 TPA
- d) **In Group 4** total capacity will not exceed 900 TPA. For the purpose of By-product, they have assumed a typical scenario of production of max 150 MT/A of product No. 12 & 13 & 100 TPA for the remaining 14 products. Thus building safety, By-products, raw material requirement, hazardous waste which actually could be much lower as a cumulative production with maximum 900 TPA.
- e) **In Group 5** total capacity will not exceed 600 TPA. For the purpose of By-product, they have assumed a typical scenario of production of max 200 MT/A for all 9 products. Thus building safety, By-products, raw material requirement, hazardous waste which actually could be much lower as a cumulative production with maximum 600 TPA
- The industry in product quantity has shown quantity of each product based on condition given in the EC. However the overall mfg. capacity shown is 4211.80 TPA. Now the industry has proposed to exchange products in all groups with one another so as to achieve no increase in pollution load.
- As per the group scenario after product mix submitted, industry has proposed change in product mix by Addition of 14 new products, decreasing production capacity of 32 existing products, deleted production quantity of 1 existing product & increasing production quantity of 2 existing products.
- Industry has proposed that production capacity of the technical products in plant will be increased from 1739 TPA to 2089 TPA i.e. 350 TPA increase in production capacity keeping pollution load within the consent limit.
- Production capacity of 1 formulation product i.e., Renofluthrin 5% MUP is increased from 360 TPA to 4800 TPA and production capacity will remain same for the remaining 22 existing formulation products.
- Production capacity of formulation products will be increased from 2213.20 TPA to 6653.20 TPA i.e., 4440 TPA increase in production capacity and quantity of heater machines will remain same i.e., 25000 Nos./M.

- Total water consumption is reduced by 0.48 CMD as compared to part CTO after proposed change in product mix.
- Industry has proposed to decrease in the trade effluent quantity by 0.5 CMD as compared to part CTO.
- After the proposed product mix the COD, BOD & TDS values of effluent decreased by 0.43%, 0.99%, 0.21% respectively.
- **The existing CTO mentions two DG Sets with a capacity of 320 KVA each having fuel consumption 6.25 Ltr/Hr. for each DG set. However, at actual only one DG set having capacity 320 KVA is available at site.
- There is no change in the steam requirements. The fuel consumption of the boiler for the changed production profile will remain the same.
- There will be no change in process emissions as compared to existing consent i.e., Ammonia, HBr, SO₂ (process) & HCl.
- Hazardous waste which are mentioned in EC but not mentioned in consent as CTO is not obtained for full capacity. Hazardous waste is not considered as the product from which it is generated is not part of the consent and the proposed change in the product mix.
- The total hazardous waste is reduced by 2.06 TPA as compared to part CTO.

Technical Committee Decision: -

Technical Committee decided to recommend the case for change in product mix based on "No Increase in Pollution Load" as per the provision of EIA notification 2006 with compliance of the following conditions;

- 1) Industry shall comply with all the conditions stipulated in Environmental Clearance and ensure display/upload of six-monthly compliance monitoring report on their official website.
- 2) Industry shall ensure connectivity of OCEMS data to Board server.
- 3) Industry shall ensure disposal of Hazardous Waste to the actual user having permission under Rule 9 of Hazardous and other Waste (M & TM) Rules, 2016.
- 4) The condition shall be imposed as "If any submission of misleading information including NIPL certificate is noticed, then the consent issued under MoEF & CC Product Mix Circular dtd. 02.03.2021 and amendments thereto will stand automatically cancelled."

Agenda item No	07
Proposal No.	MPCB-CONSENT-0000233742
Project Details	M/s Deepak Nitrite Limited, Plot No. 1-8, 26-34, MIDC Dhataav, Tal. - Roha, Dist. - Raigad.
NIPL Certificate	NIPL certificate issued by Goldfinch Engineering Systems Pvt. Ltd., No.: Nil, Date: 19/03/2025

Introduction:

This has reference to the online proposal submitted vide No. MPCB-CONSENT-0000233742 along with the copies of documents seeking Renewal of existing Consent to Operate with change in product mix under the provision of EIA Notification 2006 amended on 02.03.2021 and thereof.

Existing Clearances:

- 1) Environmental Clearance (EC) is granted to the industry by MoEF and CC vide File No. J-11011/363 /2016- IA II(I) dated 17/03/2020 for the total production capacity of 3534 TPM. Subsequently EC was amended on 12/10/2023, (vide No. EC23A2002MH5935598A) with a reduction in production capacity to 3316 TPM.
- 2) The unit has valid consent to operate vide No: - Format1.0/CAC/UAN No.0000209361/CR/2407002465 dated 25/07/2024 valid up to 30/06/2025 for total production capacity of 3226 TPM.

A) Project Details: Production Details:-

Sr. No.	Name of Product	As per EC, TPM	Existing as per CTO, TPM	Addition(+)/Deletion (-), TPM	After proposed change in product mix, TPM	After proposed change in product mix, TPA
1	Para Nitro Cumene (PNC) OR Ortho Nitro Cumene OR Ortho cumidine OR Para Cumidine	300	300	(+)150	450	5400
2	3 Amino Benzo Tri Fluoride (3ABTF) OR 3 Nitro BenzotriFluoride (3NBTF) OR 2 Nitro Benzo TriFluoride (2NBTF) OR 2 Amino Benzo TriFluoride (2ABTF) OR 4 Nitro Benzo TriFluoride (4NBTF)	400	400	-100	300	3600

Sr. No.	Name of Product	As per EC, TPM	Existing as per CTO, TPM	Addition(+)/Deletion (-), TPM	After proposed change in product mix, TPM	After proposed change in product mix, TPA
	Ortho Anisidine	50	50	(+)25		
3	OR 5-Amino-2-Bromo-BTF (BABTF) (MABTF) OR 3-Fluorobenzotrifluoride (BFBTF) OR 6-chloro-o-toluidine (6COT) OR 2,4-Difluoro Aniline (2,4-DFA)	0	0	(+)75	75	900
4	2,3 Nitro-Xylene OR 3,4 Nitro-xylene OR 2,6 Nitro-Xylene OR 2,4 nitro- xylene	1330	1330	0	1330	15960
5	2,3 Xylenol OR 2,4 Xylenol OR 2,5 Xylenol	120	120	-20	100	1200
6	4-Methoxy 2-Methyl Diphenyl Amine (MMDPA)	100	100	0	100	1200
7	Aniline	10	10	0	10	120
	3 Nitro Aceto Phenone (3NAP)	60	60	0		
8	OR 3 Amino Aceto phenone (3AAP) OR 3 Hydroxy Aceto Phenone (3HAP) OR 4-Phenylbenzonitrile (4-PBN)	0	0	(+)60	60	720
9	2 Methyl p-Phenylene Diamine Sulfate (2MePPDA Sulphate) OR Di-Butyl Para Phenylene Diamine (DBPPDA) OR 1,3-cyclo Hexane Dione (1,3 CHD) OR Oxime Ester OR Trifloxystrobin OR Hydroxyl amine Hydrochloride (HAHCl)	100	100	0	100	1200
10	Orthotoluidine	46	46	(+)74	120	1440
	Sodium Acetate	150	150	-20		
11	OR Sodium Nitrite OR potassium Nitrate OR Calcium Nitrate OR Sodium Sulphate	0	0	(+)130	130	1560

Sr. No.	Name of Product	As per EC, TPM	Existing as per CTO, TPM	Addition(+)/Deletion (-), TPM	After proposed change in product mix, TPM	After proposed change in product mix, TPA
12	Pilot / MPP Plant	10	10	(+)15	25	300
13	1,2,4- Triazinone	25	25	0	25	300
	OR SMIA (Syn Methoxymino (2 Furanyl) Acetic Acid)	0	0	(+)25		
14	2- Cyanophenol	150	150	-150	0	0
15	PPO (Poly Phenylene Oxide)	150	150	-59	91	1092
16	3-(Trifluoro Methyl) Acetophenone (TFMAP)	200	200	(+)25	225	2700
17	CL-BTF / OHBTF / OA BTF from TFMAP	25	25	(+)2	27	324
	OR Copper Hydroxide	0	0	(+)27		
18	BEMT - (2,2'-[6-(4-Methoxyphenyl)-1,3,5-triazine-2,4-diy]]bis[5-[(2-ethylhexyl)oxy]phenol]] OR 4,4-Dihydroxydiphenyl Sulfone (DHDPS)	0	0	(+)50	50	600
Total		3316	3226	-8	3218	38616

- Industry has proposed change in product mix by Addition of 18 new products, No Change in 11 Existing Products, decrease in production capacity of 10 existing products, Increase Production of 11 Existing Products and deletion of one existing product.
- Industry has proposed that the total production will reduce will decrease from 3226 TPM to 3218 TPM i.e., by 8 TPM., keeping the pollution load within the consent limit.

B) Water Pollution Load Details:

i) Water Aspect: -

Propose	As Per EC	As Per CTO	Water Consumption Break up after change in product mix
Process		583.0	582.7
Boiler & Cooling Tower	1458.0	800.0	800.0
Total Trade		1383.0	1382.7
Domestic		40.0	40.0
Grand Total	1458.0	1423.0	1422.7

- Total process water consumption is reduced by 0.3 CMD after proposed change in product mix.

ii) Wastewater Aspect: -

Propose	As Per EC	As Per CTO	Effluent Generation after proposed change in product mix.	Mode of Disposal & Ultimate Receiving Body
INDUSTRIAL				
Process				
Boiler & Cooling Tower	615	615	614.8	
Total Trade				
Domestic	35	35	35	
Total	650	650	649.8	Treated Trade Effluent shall be partly recycled 346.3 CMD & partly CETP 268.5 CMD Treated domestic Effluent shall be used on land for gardening

- Industry has proposed to decrease the trade effluent quantity by 0.2 CMD.

iii) Pollution Load with respect to the Changes proposed: -

At Actual existing effluent characteristic: -				
Flow (CMD)	From Process		From process and utility Blowdowns & Washing Activity	
	183 (Strong)		432 (Weak)	
Parameter	Kg/Day	mg/L	Kg/Day	mg/L
COD	12563.7	68655	819.2	1897
BOD	6002.1	32799	409.6	949
TDS	16686.6	91184	844.8	1956
After Product Mix Effluent characteristic: -				
	From Process		From process and utility Blowdowns & Washing Activity	
Flow (CMD)	182.8 (Strong)		432 (Weak)	
Parameter	Kg/Day	mg/L	Kg/Day	mg/L
COD	12506.1	68415	819.2	1897
BOD	5866.6	32093	409.6	949
TDS	16616.7	90901	844.8	1956

- After the proposed product mix the COD, BOD and TDS load of effluent are proposed to be reduced.

iv) Effluent Treatment System: -

a) Trade Effluent:

The trade effluent is segregated into Strong COD/TDS (182.8 CMD) & Low COD/TDS (432 CMD). High TDS stream from process is treated in Primary Treatment, Stripper, MEE followed by ATFD. Condensate from MEE along with primarily treated Low TDS stream is fed to Secondary (MBR), followed by Tertiary Treatment. Tertiary treated wastewater amounting to 268.5 CMD is discharged to CETP, and the remaining (346.5 CMD) is fed to RO. RO permeate is recycled in utilities & RO reject is fed to MEE. Salts from ATFD sent to CHWTSDf.

b) Domestic Effluent:

Domestic wastewater amounting 35 CMD is treated separately in STP having capacity 50 CMD. Treated domestic wastewater is being recycled for gardening and cooling tower as per CTO.

C) Air Emission Aspect: -

Stack No.	Stack Attached to	As Per EC	As per Current CTO	After CIPM	APC system	Stack Height mtr
S-1	Boiler-I (8 TPH) and Thermopack (6 Lac Kcal/Hr)	For Boiler- Coal/ Briquette & For Thermopack - LSHS/HSD	Coal/ Briquette- 32.83 TPD	Coal/ Briquette- 32.83 TPD	Fabric Bag Filter	34
S-2	Boiler-II (8 TPH) and Hot oil unit-I (4 Lac Kcal/Hr)	For Boiler- Coal/ Briquette & For hot oil unit-II -- LSHS/HSD	For Boiler- LSHS/HSD- 11.25 KLD & For hot oil unit-II -- Coal/ Briquette- 4 TPD	For Boiler- LSHS/HSD- 11.25 KLD & For hot oil unit-II -- Coal/ Briquette- 4 TPD	Stack	24.5
S-3	Hot Oil Unit-II (4 Lac Kcal/Hr)	LSHS/HSD	LSHS/HSD- 20.83 Kg/Hr	LSHS/HSD- 20.83 Kg/Hr	Stack	20
S-4	Boiler-III (20 TPH) and Thermopack (10 Lac Kcal/Hr)	Coal/ Briquette	For Boiler- Coal/ Briquette- 70 TPD & For Thermopack- Coal/ Briquette 5 TPD	For Boiler- Coal/ Briquette- 70 TPD & For Thermopack- Coal/ Briquette 5 TPD	Fabric bag filter ESP	36
S-5	DG Set- 1010 KVA	Not Mentioned	HSD- 260 Ltr/Hr	HSD- 260 Ltr/Hr	Acoustic Enclosure Stack	3.5
S-6	DG Set- 750 KVA	Not Mentioned	HSD- 200 Ltr/Hr	HSD- 200 Ltr/Hr	Acoustic Enclosure Stack	3.5
S-7	DG Set- 640 KVA	Not Mentioned	HSD- 180 Ltr/Hr	HSD- 180 Ltr/Hr	Acoustic Enclosure Stack	3.5

- There is no change the steam requirements. The fuel consumption of the boiler for the changed production profile will remain same.

Process emission Aspect: -

Sr. No.	Stack No.	Stack Attached to	APC system & Scrubbing Media	Stack Height mtr
1	S-8	Process Stack	Water Scrubber	11
2	S-9	Scrubber SOx	Scrubber	8.5
3	S-10	Scrubber HCl	Scrubber	8.5

- There will be no change in process emissions as compared to existing consent i.e., Acid mist, NH₃, SO₂ (process), SO_x & HCl.

D) Hazardous Waste Load: -

Sr. No	Type of Waste	Cat. No.	UOM	As Per EC	As per CTO	After Change in Product Mix Qty.	Disposal
1	Used Or Spent Oil	5.1	MT/A	Not Mentioned	116.0	116.0	Sale to Authorized Party
2	Waste or Residue containing oil	5.2	MT/M	Not Mentioned	1.0	1.0	Sale to Authorized Party
3	Spent Chemicals	32.1	MT/M	Not Mentioned	74.0	98.36	Co-processing/ Pre-processing/ CHWTSDf
4	C-2/B-15 Dilute Sulphuric Acid/ Inorganic Acid	26.3	MT/M	Not Mentioned	2375.0	2268.8	Sale to Authorized Party
5	Sludge from treatment of waste water arising out of cleaning/ disposal of barrels/ containers	34.2	MT/A	Not Mentioned	1968.0	1968.0	Other (Co-processing/ Pre-processing/ CHWTSDf)
6	Empty barrels/ containers/ liners contaminated with	33.1	No./M	Not Mentioned	150.0	150.0	Sale to Authorized Party

MAHARASHTRA POLLUTION CONTROL BOARD

Sr. No	Type of Waste	Cat. No.	UOM	As Per EC	As per CTO	After Change in Product Mix Qty.	Disposal
	hazardous chemicals/ wastes						
7	Chemical Sludge from wastewater treatment	35.3	MT/M	Not Mentioned	46.0	46.0	Co-processing/ Pre-processing/ CHWTSDf
8	Spent Catalysts	29.5	MT/M	Not Mentioned	3.0	3.0	Sale to Authorized Party/ CHWTSDf
9	Process Residues	38.1	MT/M	Not Mentioned	277.7	307.9	Co-processing/ Pre-processing/ CHWTSDf
10	Concentration or Evaporation Residues	37.3	MT/M	Not Mentioned	504	504	Co-processing/ Pre-processing/ CHWTSDf
11	Iron Sludge/ Iron Oxide	-	MT/M	Not Mentioned	62.0	0.0	Sale to Authorized Party/ CHWTSDf
12	Charcoal Sludge	-	MT/M	Not Mentioned	2	2	Co-processing/ Pre-processing/ Sale to Authorized Party/ CHWTSDf
13	Spent carbon or Filter Medium	36.2	MT/M	Not Mentioned	2	2	Co-processing/ Pre-processing/ Sale to Authorized Party/ CHWTSDf
14	Spent Organic Solvents	28.6	MT/M	Not Mentioned	208	208	Co-processing/ Pre-processing/Sale to Authorized Party/ CHWTSDf
15	Potassium Bromide from Trifloxystrobin	-	MT/M	Not Mentioned	0.0	92.5	Sale to Authorized Party/ CHWTSDf
16	Distillation Residue	36.1	MT/M	Not Mentioned	0.0	19.6	Co-processing/ Pre-processing/ CHWTSDf

Sr. No	Type of Waste	Cat. No.	UOM	As Per EC	As per CTO	After Change in Product Mix Qty.	Disposal
Total			MT/M		3728.3 & 150 No./M	3726.83 & 150 No./M	

• The total hazardous waste is reduced by 1.47 TPA as compared to existing consent.

E) Non-Hazardous Waste:

Sr. No	Type of Waste	UOM	As per CTO	After Change in Product Mix Qty.	Disposal
1	Rubber Hand gloves/ PVC Shoes/ Tarapaulin/Paper bags/Contaminated Bags/Filter Bags	MT/A	5	5	Sale to Authorized Party / Vendor
2	Glass Ware/Broken Discarded Glass	MT/A	1	1	Sale to Authorized Party / Vendor
3	Insulating Material	MT/A	2	2	Sale to Authorized Party / Vendor
4	MS/SS Scrap	MT/A	7	7	Sale to Authorized Party / Vendor
5	Boiler Ash	MT/Day	8.5	8.5	Sale to Authorized Party / Vendor
6	Thermopack Ash	MT/M	2	2	Sale to Authorized Party / Vendor
7	Canteen Waste	MT/M	0.7	0.7	Viniculture Manure

Technical Committee Deliberations: -

The proposed project was discussed on the basis of documents – NIPL Certificate and presentation made by the industry. Product wise load calculation in terms of wastewater, Air emissions & Hazardous waste generation were discussed. Existing consent to operate, Environmental Clearance, NIPL Certificate issued by Goldfinch Engineering Systems Pvt. Ltd and product mix Proforma are taken on the record.

After due deliberations, Committee noticed that:

- 1) Industry has proposed change in product mix by Addition of 18 new products, No Change in 11 Existing Products, decrease in production capacity of 10 existing products, Increase Production of 11 Existing Products and deletion of one existing product.
- 2) Industry has proposed that the total production will reduce from 3226 TPM to 3218 TPM i.e., by 8 TPM., keeping the pollution load within the consent limit.
- 3) Total process water consumption is reduced by 0.3 CMD after proposed change in product mix.
- 4) Industry has proposed to decrease the trade effluent quantity by 0.2 CMD.
- 5) After the proposed product mix the COD, BOD and TDS load of effluent are proposed to be reduced
- 6) There is no change the steam requirements. The fuel consumption of the boiler for the changed production profile will remain same.
- 7) There will be no change in process emissions as compared to existing consent i.e., Acid mist, NH₃, SO₂ (process), SO_x & HCl.
- 8) The total hazardous waste is reduced by 1.47 TPA as compared to existing consent.

Technical Committee Decision: -

Technical Committee decided to recommend the case for change in product mix based on "No Increase in Pollution Load" as per the provision of EIA notification 2006 with compliance of the following conditions;

- 1) Industry shall comply with all the conditions stipulated in Environmental Clearance and ensure display/upload of six-monthly compliance monitoring report on their official website.
- 2) Industry shall ensure connectivity of OCEMS data to Board server.
- 3) Industry shall comply with the mechanism for Environmental management prepared by MoEF & CC, as industry falls under Eco Sensitive Zone.
- 4) Industry shall achieve TPM-50 mg/NM₃ being the unit is in Eco Sensitive Zone area as per MPC Board policy and accordingly consent shall be amended for the stringent standards.
- 5) Industry shall ensure disposal of Hazardous Waste to the actual user having permission under Rule 9 of Hazardous and other Waste (M & TM) Rules, 2016.
- 6) The condition shall be imposed as "If any submission of misleading information including NIPL certificate is noticed, then the consent issued under MoEF & CC Product Mix Circular dtd. 02.03.2021 and amendments thereto will stand automatically cancelled."

Agenda item No	08
Proposal No.	MPCB-CONSENT-0000236946
Project Details	M/s. Excel Industries Limited Plot No. D-9, MIDC Lote Parshuram Area, Tal. Khed, Dist. Ratnagiri-415612.
NIPL Certificate	NIPL certificate issued by Goldfinch Engineering Systems Pvt. Ltd., No., Date: 13/02/2025

Introduction:

This has reference to the online proposal submitted vide No. MPCB-CONSENT-0000236946 along with the copies of documents seeking amendment in existing consent to operate under 2nd change in product mix under the provision of EIA Notification 2006 amended on 02/03/2021 and thereof.

Existing Clearances:

- 1) Environmental Clearance is granted to the industry by MoEF and CC ref no. SEIAA-EC-0000001910 dated 31/07/2019 for the total production capacity of 139189 TPA.
- 2) The unit has valid consent to operate vide No: - Format1.0/CAC/UAN No.0000151399/CR/2303002510 dated 29/03/2023 valid up to 31/01/2028 for the total production capacity of 123079 TPA.
- 3) Excel Industries obtained separate Consent to Establish (CTE) having ref. no.1.0/CAC/UAN No. 0000191313/CE/2405002586 dated 29/05/2024 for the manufacturing inorganic products in the same premises for production capacity of 4,000 TPA with additional investment of Rs. 61.83 Cr.
- 4) As in the CTE for in-organic products no pollution load is envisaged in terms of effluent generation, hazardous waste and fuel consumption, CTE will be amalgamate with the amendment in CTO with a change in product mix (CIPM).

A) Project Details:

Production Details:-

Sr. No	Product Name	As per EC issued on 28.08.2007, TPA	Existing Quantity as per CTO dtd 10.12.2024, TPA	Addition (+)/ Deletion (-), TPA	After proposed change in product mix, TPA
1.	Sodium Penta Chloro Phenate And Its Formulation (Biocel)	2500	1800	0	1800

Sr. No	Product Name	As per EC issued on 28.08.2007, TPA	Existing Quantity as per CTO dtd 10.12.2024, TPA	Addition (+)/ Deletion (-), TPA	After proposed change in product mix, TPA
2.	Hydroxy Ethylidene Di- Phosphonic Acid and its Formulations (Codex 661 and Formulation)	35000	25000	0	25000
3.	Acetyl Chloride	6500	6500	0	6500
4.	Sodium Salt of 5 Sulphono Isopthalic Dimethyl Ester (SIPM)	360	360	0	360
5.	Amino Tri-methylene Phosphonic Acid and its formulations (ATMP)	12000	6000	0	6000
6.	Codex-551	600	600	0	600
7.	Dispercel -32 (Poly Maleic Acid)	252	252	(+) 1800	2052
8.	THPE [1,1,1, Tris (4-Hydroxy Phenyl) Ethane]AND/OR DMBPC (Di-methyl Bis Phenol Cyclohexane (DMBPC) and its Derivatives	1500	1025	0	1025
9.	Lauracel	30	30	0	30
10.	4 – Hydroxythiobenzamide FEBUXOSTAT T1	12	12	0	12
11.	Ethyl 2-(4-hydroxyphenyl)-4-methylthiazole-5-carboxylate FEBUXOSTAT T2	18	18	0	18
12.	Ethyl 2-(3-formyl-4 hydroxyphenyl)-4-methylthiazole-5-carboxylate FEBUXOSTAT T3	120	120	(-) 15	105
13.	Ethyl 2-(3-formyl-4 isobutoxyxyphenyl)-4-methylthiazole-5-carboxylate FEBUXOSTAT T4	14	14	0	14

Sr. No	Product Name	As per EC issued on 28.08.2007, TPA	Existing Quantity as per CTO dtd 10.12.2024, TPA	Addition (+)/ Deletion (-), TPA	After proposed change in product mix, TPA
14.	Ethyl 2-(3-cyano-4 isobutoxyphenyl)-4-methylthiozole-5-carboxylate FEBUXOSTAT T-5 and / OR Ethyl 2-(3-cyno-4 isobutoxyphenyl)-4-methyl-1, 3 thiazole-5carboxylic acid Febuxostat T-5	75	75	0	75
15.	Ethyl 2-(3-cyno-4 isobutoxyphenyl)-4-methyl-1, 3 thiazole-5carboxylic acid FEBUXOSTAT T-6	25	25	(+)15	40
16.	5-(Bromomethyl)-4-(4-fluorophenyl)-6-(1-methylethyl)-2-methyl (methylsulfonyl)amino pyrimidine Z 7 Br	48	48	0	48
17.	Phosphonium, {[4-(4-fluorophenyl)-6-(1-methylethyl)-2[methyl methylsulfonylamino]-5 pyrimidinyl] methyl] triphenyl bromide (1:1) Z 8.2	60	60	0	60
18.	N- [4-(4- Fluorophenyl) -5 formyl-6-(1-methylethyl)-2-pyrimidinyl]-N-methyl methane sulfonamide Z 7 Formyl	25	25	0	25
19.	6-Hydroxy-3,4-dihydro-1H-quinoline-2-one 6 HQ	20	20	0	20
20.	4-[4-[4-(hydroxydiphenylmethyl)-1-piperidinyl]-hydroxybutyl]-a-a-dimethylphenylacetic	26	26	0	26

Sr. No	Product Name	As per EC issued on 28.08.2007, TPA	Existing Quantity as per CTO dtd 10.12.2024, TPA	Addition (+)/ Deletion (-), TPA	After proposed change in product mix, TPA
	acid Fexofenadine N-1 and / OR a,a-Dimethyl -4-[1-Hydroxy -4 [4-(hydroxydiphenylmethyl)-1-piperidinyl]—piperidinyl]butyl]-benzeneacetic acid hydrochloride (Fexofenadine Hydrochloride) and its intermediates				
21.	1,3; 2,4 -bis (3,4- dimethyl benzylidene) sorbitol Exclar	75	75	0	75
22.	n- Octyl Phosphonic acid NOPA	75	75	0	75
23.	Pregabalin ((S) -3-(aminomethyl)-5-methylhexanoic acid) and its intermediates	20	20	0	20
24.	Sitagliptine Phosphate (intermediate), (3-(Trifluoromethyl)-5,6,7,8 – tetrahydro-[1,2,4] triazolo [4,3-a] pyrazine hydrochloride)	20	20	(+)80	100
25.	4-[5-(4-Methylphenyl)-3-(trifluoromethyl pyrazol-1-yl] benzenesulfonamide and Celecoxib intermediate (4-Hydrazinobenzene-1-sulfonamide Hydrochloride)	10	10	0	10
26.	Benfotamine Phosphate	20	20	0	20
27.	Celestistat	6	6	0	6
28.	Silodosine	2	2	0	2
29.	4-Acetoxy styrene (4-ACS)	100	100	0	100
30.	Dibenzoyl Methane (DBM)	100	0	0	0
31.	Phenyl Hydrazine	600	600	0	600
32.	Phenyl Hydrazine Hydrochloride	500	500	(-)130	370

Sr. No	Product Name	As per EC issued on 28.08.2007, TPA	Existing Quantity as per CTO dtd 10.12.2024, TPA	Addition (+)/ Deletion (-), TPA	After proposed change in product mix, TPA
33.	4- chloro Phenyl Hydrazine	200	100	0	100
34.	4 Hydroxy benzene sulphonamide hydrochloride (4-HBS)	500	0	0	0
35.	3-[(S)-1-TERTBUTOXYCARBONYL- 4 - OXOPYRROLIDIN-2-YL CARBONYL] THIAZOLIDINE (OXO)	25	25	0	25
36.	Teneligliptin Hydrobromide Hydrate (Teneligliptin)	40	40	0	40
37.	PPZ-1-(3-Methyl-1-phenyl-1-pyrazol-5-yl) piperazine	25	25	0	25
38.	Solifenacin Base	3	3	0	3
39.	Solifenacin Succinate	3	3	0	3
40.	Sertaconazole	20	5	0	5
41.	Nizatidine	25	5	0	5
42.	(R)-9-[2(phosphonomethoxy) propyl] Adenine (PMPA)	75	75	0	75
43.	Fluorobenzene , its Derivatives and other fluorinated compounds	1000	300	0	300
44.	Phononates and its Derivatives	500	500	0	500
45.	Phosphates and derivatives	500	250	0	250
46.	Phosphites and its derivatives	500	250	0	250
47.	Hydrochloric acid (32%)	75000	58000	(-)19	57981
48.	R&D and Pilot for Industrial Chemicals and Intermediates as Dione-E	60	60	0	60
49.	Sitagliptine API	-	-	(+) 50	50
50.	Phosphorus trichloride (PCl3)	0	20000	0	20000
Total TPA		139189	123079	(+) 1781	124860
Formulation					

Sr. No	Product Name	As per EC issued on 28.08.2007, TPA	Existing Quantity as per CTO dtd 10.12.2024, TPA	Addition (+)/ Deletion (-), TPA	After proposed change in product mix, TPA
51.	Non Phenolic Biocides	-	-	(+) 2800	2800
52.	Biodegradable Chelating Agents & its Formulations	-	-	(+) 2000	2000
Total TPA		0	0	4800	4800

List of Inorganic Products as per CTE dated 29.05.2024

Sr. No	Product Name	As per CTE, TPA
1.	Thiophosphoryl chloride	2500
2.	Phosphorus pentachloride	1500
Total		4000

- Industry has proposed change in product mix by Addition of 1 new product, keeping production capacity same of 40 existing products, decreasing production capacity of 3 existing products, increasing production capacity of 3 existing products, modification in the process of 1 product with same capacity.
- Industry has proposed that the total production capacity of the plant will be increased from 123079 TPA to 124860 MT/A i.e. 1781 TPA increase in production capacity, keeping the pollution load within the consent limit. Along with that, inorganic products 4000 TPA (as per CTE) & 4800 TPA (Newly added formulation products).

B) Water Pollution Load Details:

i) Water Aspect: -

Particular	As Per EC, CMD	Existing as Per CTO, CMD	After change in product mix, CMD
Process & Washing Activity	719	412	411.8
Cooling Tower & Boiler (Utility)	450	361	361

Total Industrial	1169	773	772.8
Gardening	75	75	75
Domestic purpose	86	75	75
Grand Total	1330	923	922.8

- Total water consumption is reduced by 0.2 CMD after proposed change in product mix as compared to existing consent.

ii) Wastewater Aspect: -

Particular	As Per EC, CMD	Existing as Per CTO, CMD	After change in product mix, CMD	Disposal Path
Process & Washing Activity	537	252	251.8	Partly recycle 176 CMD & partly CETP 148 CMD
Cooling Tower & Boiler (Utility)	12			
Total Trade	549	252	251.8	
Gardening	0	-	-	
Domestic	81	72	72	CETP
Grand Total	823.0	324	323.8	

- Industry has proposed to decrease in the trade effluent quantity by 0.2 CMD as compared to existing consent.

iii) Pollution Load with respect to the Changes proposed: -

At Actual existing effluent characteristic: -				
	From Process		From Industrial Process, Cooling Tower, Boiler Blowdown, Washing Activity	
Flow (CMD)	86 (High TDS)		166 (Low TDS)	
Parameter	Kg/Day	mg/L	Kg/Day	mg/L
COD	10766.4	125280	1632.2	9833
BOD	5383.2	62640	816.1	4916
TDS	18125.1	210907	466.4	2810
After Product Mix Effluent characteristic: -				

	From Process		From Industrial Process, Cooling Tower, Boiler Blowdown, Washing Activity	
Flow (CMD)	85.9 (High TDS)		165.9 (Low TDS)	
Parameter	Kg/Day	mg/L	Kg/Day	mg/L
COD	10678.4	124280	1631.0	9831
BOD	5339.2	62140	815.5	4915
TDS	18057.2	210159	440.1	2653

- After the proposed product mix the COD, BOD & TDS values of effluent decreased by 0.72%, 0.72%, 0.51% respectively.

iv) Effluent Treatment System: -

a) Trade Effluent & Domestic Sewage:

The trade effluent is segregated into High TDS (85.9 CMD) from process & Low TDS (165.9 CMD) from process, utility blowdowns and other industrial activities. High TDS (85.9 CMD) stream from process is treated in Primary, Stripper, MEE followed by ATFD. Condensate from MEE (108 CMD) along with primary treated lean stream (165.9 CMD) and domestic waste water (72 CMD) is fed to Secondary (Bio reactor) (346 CMD), followed by Tertiary treatment (Pressure sand filter & Activated carbon filter). Tertiary treated effluent (148 CMD) will be sent to CETP and (175.8 CMD) effluent after passing through RO will be recycled and reused in Utilities and RO reject (22 CMD) will be sent to MEE followed by ATFD as per the Consent.

C) Air Emission Aspect: -

Sr. No.	Stack No.	Stack Attached to	As per EC Fuel Consumption	As per CTO Fuel Consumption	Fuel Consumption after Change in Product Mix	APC system	Stack Height, m
1.	S-1	Existing Boiler (1 X 6 TPH) & (1 X 12 TPH) Proposed Boiler * (2 X 12 TPH) (not installed)	Coal: 134 TPD	Coal: 72.5 TPD	No Change	Fabric bag filter cyclone	33

2.	S-2	DG Set (1010 KVA)	HSD 0.16 TPD	HSD 2400 Lit/Day	No Change	Acoustic Enclosure	30
3.	S-3	DG Set (500 KVA)	HSD 75 Kg/day	HSD 1200 Lit/Day	No Change	Acoustic Enclosure	16
4.	S-17	Spray Dryer	Coal for Spray dryer: 8.4 TPD	Coal for Spray dryer: 8.4 TPD	No Change	Scrubber	30

- * Existing boiler 6 TPH & 12 TPH are placed at site, proposed 2 nos. of boiler 12 TPH x 2 are not yet installed at site.
- As per EC industry has 4 nos. of DG Sets of capacity 500 KVA, 1010 KVA & 1250 KVA x 2 nos. However, industry has installed 2 nos. of DG set of 500 KVA & 1010 KVA. The fuel consumption for DG Sets in EC is 75 Kg/Day, 0.16 TPD, 2500 Lit/Hr & 2500 Lit/Hr.
- There is no change in the steam requirements as compared to existing consent. The fuel consumption of the boiler for the changed production profile will remain same as compared to existing consent.

Process emission Aspect: -

Sr. No.	Stack No	Stack Attached to	APC system	Stack Height
1	S-4	Codex (HCl Tail Gas Tower)	Scrubber	15 m
2	S-5	Codex (Acetyl Chloride Packing)	Scrubber	10 m
3	S-6	Codex (Acetic Acid Scrubbing)	Scrubber	12 m
4	S-7	Codex (PCI3 Scrubber)	Scrubber	12 m
5	S-8	Codex (Acetyl Chloride Scrubbing)	Scrubber	12 m
6	S-9	SPCP (Drum Dryer)	Wet Scrubber	25 m
7	S-10	SPCP (Packing Area)	Wet Scrubber	25 m
8	S-11	SPCP (Reactor Neutralizer)	Scrubber	25 m
9	S-12	SPCP (HCl Scrubbing)	Scrubber	25 m
10	S-13	PIP (HCl Scrubbing System)	Scrubber	15 m
11	S-14	PIP (Common Vent)	Scrubber	15 m

12	S-15	Pharma-1 (Process)	Scrubber	15 m
13	S-16	Pharma-2 (HCl Scrubbing System)	Scrubber	15 m
14	S-18	PH (Common Vent Scrubber)	Scrubber	15 m
15	S-19	Solvent Recovery Unit	Scrubber	15 m
16	S-20	Emergency Scrubber (PCI3 Plant Chlorine Storage)	Scrubber	15 m
17	S-21	Emergency Disc Failure (PCI3 Plant Reactor)	Scrubber	15 m
18	S-22	Process Stack (PCI3 Plant)	Scrubber	15 m

- Industry has proposed the process emissions will remain same after change in product mix.

D) Hazardous Waste Load: -

Sr. No	Type of Waste	Cat. No.	As Per EC Qty. (TPA)	As per CTO Qty. (TPA)	After Change in Product Mix Qty. (TPA)	Disposal
1	Filter and Filter material organic chlorine compounds (Biocel Filter Cake)	36.2	9	3	3	Pre/Co-processing/To CHWTSDf
2	Chemical sludge from waste water treatment	35.3	12500	3000	3000	Pre/Co-processing/To CHWTSDf
3	Spent catalyst	28.2	12	8	8	Pre/Co-processing/To CHWTSDf
4	Distillation residues	20.3	900	600	600	Pre/Co-processing/To CHWTSDf
5	Process wastes or Residues	29.1	12	4	4	Pre/Co-processing/To CHWTSDf
6	Spent ion exchange resin containing toxic metals	35.2	0.36	0.24	0.24	Pre/Co-processing/To CHWTSDf
7	Used/Spent Oil	5.1	6	3	3	Sale to authorized party/ CHWTSDf

Sr. No	Type of Waste	Cat. No.	As Per EC Qty. (TPA)	As per CTO Qty. (TPA)	After Change in Product Mix Qty. (TPA)	Disposal
8	Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	33.1	38130 Nos./Y	30710 Nos./Y	30710 Nos./Y	Sale to authorized party / CHWTSDF
9	Spent Acid	26.3	1645	1645	1645	Sale to authorized party/ CHWTSDF
10	Dilute Methanol	-	450	450	450	Sale to authorized party / CHWTSDF
11	Dilute Acetic Acid	-	1200	1200	1200	Sale to authorized party / CHWTSDF
12	Methanol	28.6	600	-	-	Sale to authorized party
13	30% Sodium Sulphate	-	936	936	870.4	Sale to authorized party / CHWTSDF
14	Spent Ethyl Bromide	-	187.5	187.5	187.5	Sale to authorized party / CHWTSDF
15	Spent Magnesium Acetate	-	75	75	75	Sale to authorized party / CHWTSDF
16	Spent Sodium Bromide Solution	-	1424.5	1424.5	1424.5	Sale to authorized party / CHWTSDF
17	Dilute Thiophosphoric Acid	-	11.75	11.75	10.50	Sale to authorized party / CHWTSDF
18	*Dilute Methane Sulphonic Acid	-	195	195	174.1	Sale to authorized party / CHWTSDF
19	**Dimethylformamide	-	56	56	50.4	Sale to authorized party / CHWTSDF
20	Dilute Bromide Solution	-	140	140	140	Sale to authorized party / CHWTSDF
21	Formic Acid	-	96	96	0	Sale to authorised party / CHWTSDF

Sr. No	Type of Waste	Cat. No.	As Per EC Qty. (TPA)	As per CTO Qty. (TPA)	After Change in Product Mix Qty. (TPA)	Disposal
22.	Concentration or evaporation residues	37.3	-	6000	6000	Pre/Co-processing/To CHWTSDf
23.	Mixed Solvents	-	-	600	600	Sale to authorised party / CHWTSDf
	Total		20456.11 TPA & (Empty Drums) 38130 Nos./Y	16634.99 TPA & (Empty Drums) 30710 Nos./Y	16445.64 TPA & (Empty Drums) 30710 Nos./Y	

- As per the existing CTO, the hazardous waste is mentioned as Dilute Di Methane Sulphonic Acid instead of Dilute Methane Sulphonic Acid, which is a typographical error. Industry has requested to correct name of hazardous waste and mention Dilute Methane Sulphonic Acid.
- **In the last renewal of consent to operate application having UAN No. MPCB-CONSENT 0000151399 dtd 21.10.2022, dimethylformamide (DMF) was applied as one of the hazardous wastes, but at time of issue of RCTO, Distillation residue was reflected in place of dimethylformamide (DMF) with the same quantity. Industry has requested to correct the same.
- After the change in product mix, total hazardous waste will be reduced from 16634.99 TPA to 16445.64 TPA i.e., reduced by 189.35 TPA.**

E) Non-Hazardous Waste

Sr. No	Type of Waste	As Per EC	As Per CTO	After Change in Product Mix Qty.	Disposal
1	MS Scrap	150 MT/A	150 MT/A	150 MT/A	Sale to authorized party
2	Food Waste	20 MT/A	20 MT/A	20 MT/A	Used as manure

Sr. No	Type of Waste	As Per EC	As Per CTO	After Change in Product Mix Qty.	Disposal
3	Paper Waste	15 MT/A	15 MT/A	15 MT/A	Sale to authorized party
4	Boiler Ash	4200 MT/A	2000 MT/A	2000 MT/A	Sale to Brick Manufacturer
5	Fly Ash	21 MT/A	15 MT/A	15 MT/A	Sale to Brick Manufacturer
6	sugar /Wheat/ Rice Bags	450 Nos./Y	450 Nos./Y	450 Nos./Y	Sale to authorized Party
7	Oil Tin	650 Nos./Y	650 Nos./Y	650 Nos./Y	Sale to authorized Party
8	Wooden Pallets	3000 Nos./Y	3000 Nos./Y	3000 Nos./Y	Sale to authorized Party
9	Plastic Polyvinyl Bags	28200 Nos./Y	20000 Nos./Y	20000 Nos./Y	Sale to authorized Party

Technical Committee Deliberations: -

The proposed project was discussed on the basis of documents – NIPL Certificate and presentation made by the industry. Product wise load calculation in terms of wastewater, Air emissions & Hazardous waste generation were discussed. Existing consent to operate, Environmental Clearance, NIPL Certificate issued by Goldfinch Engineering Systems Pvt. Ltd and product mix Proforma are taken on the record.

After due deliberations, Committee noticed that:

- 1) Industry has proposed change in product mix by Addition of 1 new product, keeping production capacity same of 40 existing products, decreasing production capacity of 3 existing products, increasing production capacity of 3 existing products, modification in the process of 1 product with same capacity.
- 2) Industry has proposed that the total production capacity of the plant will be increased from 123079 TPA to 124860 MT/A i.e. 1781 TPA increase in production capacity, keeping the pollution load within the consent limit. Along with that, inorganic products 4000 TPA (as per CTE) & 4800 TPA (Newly added formulation products).
- 3) Total water consumption is reduced by 0.2 CMD after proposed change in product mix as compared to existing consent.

- 4) Industry has proposed to decrease in the trade effluent quantity by 0.2 CMD as compared to existing consent.
- 5) After the proposed product mix the COD, BOD & TDS values of effluent decreased by 0.72%, 0.72%, 0.51% respectively.
- 6) Existing boiler 6 TPH & 12 TPH are placed at site, proposed 2 nos. of boiler 12 TPH x 2 are not yet installed at site.
- 7) As per EC industry has 4 nos. of DG Sets of capacity 500 KVA, 1010 KVA & 1250 KVA x 2 nos. However, industry has installed 2 nos. of DG set of 500 KVA & 1010 KVA. The fuel consumption for DG Sets in EC is 75 Kg/Day, 0.16 TPD, 2500 Lit/Hr & 2500 Lit/Hr.
- 8) There is no change in the steam requirements as compared to existing consent. The fuel consumption of the boiler for the changed production profile will remain same as compared to existing consent.
- 9) Industry has proposed the process emissions will remain same after change in product mix.
- 10) After the change in product mix, total hazardous waste will be reduced from 16634.99 TPA to 16445.64 TPA i.e., reduced by 189.35 TPA.

Technical Committee Decision: -

Technical Committee decided to recommend the case for change in product mix based on "No Increase in Pollution Load" as per the provision of EIA notification 2006 with compliance of the following conditions;

- 1) Industry shall comply with all the conditions stipulated in Environmental Clearance and ensure display/upload of six-monthly compliance monitoring report on their official website.
- 2) Industry shall ensure connectivity of OCEMS data to Board server.
- 3) Industry shall ensure disposal of Hazardous Waste to the actual user having permission under Rule 9 of Hazardous and other Waste (M & TM) Rules, 2016.
- 4) Addition of inorganic products of 4000 TPA (as per CTE) & 4800 TPA (Newly added formulation products) does not come under the purview of this committee, MPCB may consider it on merits only.
- 5) The condition shall be imposed as "If any submission of misleading information including NIPPL certificate is noticed, then the consent issued under MoEF & CC Product Mix Circular dtd. 02.03.2021 and amendments thereto will stand automatically cancelled."

Agenda Item No.	09
Proposal No.	UAN No.: MPCB-CONSENT-0000237104
Project Details	M/s. ACC Limited At Chanda Cement Works, Plot No 1, Ghugus Industrial Area, MIDC, Tal & District- Chandrapur-442502.
NIPL Certificate	NIPL Certificate issued by M/s. Aditya Environmental Services Private Limited vide letter dated 18/02/2025.

Introduction:

ACC in their existing cement plant at Chanda Cement Works, Plot No. 1, Ghugus Industrial Area (MIDC), Taluka and District Chandrapur, Maharashtra, manufactures Ordinary Portland Cement (OPC) and Portland Pozzolana Cement (PPC) cement from clinkers manufactured in the same premises. ACC proposed to Increase 20% capacity in existing cement product group (Ordinary Portland Cement (OPC) and Portland Pozzolana Cement (PPC) (finished)) with addition of new variety of cement Composite PSC in the same product group and Increase 100% Non- Hazardous AFR usage, in the existing pre-processing & co processing facility. ACC has applied online vide No. CTE Application, UAN No.: MPCB-CONSENT-0000237104 seeking Consent to Establish for the same based on No Increase in Pollution Load as per the provisions of EIA Notification 2006 amended on 23-Nov-16 & on 02.03.2021. Additional capital investment is proposed Rs 42.75 Crores for effecting the change.

Existing Clearances:

- 1) Industry has obtained Environmental Clearance vide No J-11011/166/2009- IA II (I) dated 14/07/2009 Expansion of Cement Plant (Cement 2.46 MTPA to 3.80 MTPA and Clinker 2.00 MTPA to 2.31 MTPA)
- 2) Board has accorded Renewal of Consent to Operate No. Format1.0/CAC/UAN No. MPCB-CONSENT- 0000218904/ CR/2412000583 dated 09/12/2024, valid upto 31/10/2027.

**A) Project Details:
Production Details:-**

Production Details:-							
S.N	Existing		Proposed			Total Qty	Remarks
	Products	Qty As per EC	Qty as per CTO	Products	Change in Qty		
		MTPA		MTPA		MTPA	
1	Clinker (intermediate)	2.318	2.318	Clinker (Intermediate)	0.4632	2.7812	20% increase
2	Ordinary Portland Cement (OPC) and Portland Pozzolana Cement (PPC) (Finished product)	3.8	3.8	Ordinary Portland Cement (OPC) and Portland Pozzolana Cement (PPC) / Composite, PSC (Finished product)	0.76	4.56	20% increase and Composite PSC new product
3	Electricity by Coal based CPP	40MW	25MW	Electricity by Coal based CPP	0	20 MW	Proposed to operate at 20 and 5 MW respectively
4	Electricity by Coal based CPP	--	15MW	Electricity by Coal based CPP	0	05 MW	
5	Facility for pre- Processing and co processing of non-HW	--	600 TPD	Facility for pre- Processing and co processing of non- HW	600 TPD	1200 TPD	100% Increase
6	Electricity by WHRB based CPP	--	18 MW	Electricity by WHRB based CPP	0	15 MW	Proposed to operate at 15 MW

- Industry has proposed to retain existing products Ordinary Portland Cement (OPC) and Portland Pozzolana Cement (PPC) (Finished) & add new variety of cement -Composite cement PSC in cement product group by

20% increase in capacity from 3.8 MTPA to 4.56 MTPA, increase capacity of Clinker mfg. from 2.318 MTPA to 2.7812 MTPA.

- Industry is presently having electricity generation capacity 58 MW (25 MW + 15 MW = 40 MW from coal based CPP & 18 MW from WHRB based CPP). Industry has now proposed to generate total 40 MW electricity (i.e., 20 MW + 5 MW by operating coal based CPP at lower capacity & 15 MW from installed 18 MW WHRB based CPP) Industry has claimed that the coal based 2 CPP's will require to be operated at full capacity during startup & shut down of the cement plant until WHRB is on stream.
- Industry has also proposed to increase the Facility for pre- Processing and co processing of non-HW from 600 TPD to 1200 TPD.

B) Water Pollution Load Details:

i) Water Aspect: -

Category	Quantity for Water Consumption (cmd)		
	as per EC	As per CTO	Post proposal
1) Industrial Cooling#	5516	4900	4900
2) Domestic Purpose		518	518
3) Processing whereby water gets polluted and pollutants are easily biodegradable.		0	0
5) Gardening		50	50
Total Water		5468	5468

- Industry has not proposed any change in total freshwater consumption from the consented quantity i.e., 5468 cmd.

ii) Wastewater Aspect: -

Sr.No	Category	Quantity of Effluent Generation (cmd) as per EC	Consented	Post proposal	Remarks
1	Total Trade Effluent	Quantity not specified in EC letter	459	459	Treated in ETP and Reused /Recycled 100% for cooling purpose.
2	Domestic Sewage		413.8	413.8	Treated in STP and Partly (50cmd) used on land for plantation in premises & balance Recycled
3	Total Effluent		872.8	872.8	No change
4	Effluent discharge		0	0	Entire effluent/sewage is being reused and recycled and no discharge outside the premises.
5	Recycle effluent	No waste water should be discharged outside boundary	Unit is ZLD	Unit will remain ZLD	MEE /RO is installed

- Industry has proposed no change in effluent generation from change in product mix i.e., 872.8 cmd. The unit will remain ZLD post proposal.

iii) Effluent Treatment System: -

a) Trade Effluent:

The industry has provided Effluent treatment plant of 600 cmd capacity comprising of neutralizing pit and MEE, RO and treated effluent (permeate) is reused in cooling tower within the plant premises.

b) Domestic Effluent:

Domestic Effluent is treated in separate STP & treated sewage used for gardening. The Capacity of STP is 450 cmd.

C) Air Emission Aspect: -

Stack No. (#)	Source	APC System existing	Stack Height (in m)	Type of Fuel		Sulphur Content (in %)	Remarks	
				As per EC	As per Existing CTO			
1	Kiln & Raw Mill	Reverse Air Bag House (RABH)	114	Not mentioned	Coal/ Pet Coke as feed stock 1250 TPD + sorted & preprocessed Non HW thru' AFR 600 TPD	Coal/ Pet Coke as feed stock 1243 TPD + sorted and preprocessed Non HW thru' AFR 1200 TPD	0.5	Non HW AFR usage will be increased from 600 TPD to 1200 TPD
14	25 MW CPP (Boiler 1x 110 TPH)	ESP	115	Not mentioned	Coal 583 TPD	Coal 566 TPD (#)	0.5	Reduction by 17 TPD
15	15 MW CPP (Boiler 2 x 40 TPH)	ESP	80	Not mentioned	Coal 380 TPD	Coal 184 TPD (@)	0.5	Reduction by 196 TPD

- (*) Existing 25 MW coal based CPP will be operated at 20 MW and existing 15 MW coal based CPP will be operated at 5 MW during normal operation. During start up or shut down 25 MW and 15 MW will be operated until WHRB is on stream.
- (#) 25 MW CPP to be operated at 20 MW by reducing steam throughput.
- (@) 15 MW CPP to be operated at 5 MW by operating only 1 boiler of 40 TPH and reducing steam throughput

Industry has submitted that :

⇒ Sorted Municipal waste containing only combustibles (paper, plastic, rubber etc) will be accepted in AFR. This combustible waste fraction will be pre-processed in house by a cutter/shredder and then fired in the kiln.

- ⇒ in co-processing, these wastes are destroyed at higher temperature of up to 1450 deg C and long residence time during which its inorganic content gets fixed within the clinker and becomes part of cement, thus no residues are left. Further the acidic gases, if any generated during co-processing, gets neutralized in the large alkaline environment available within the kiln system.
- ⇒ CPCB has been encouraging use of segregated and pre-processed Non HW in Kiln to reduce use of conventional fuels like Coal. Also, environment is benefited immensely since waste disposal is sorted out and use of carbon intensive fuels like coal is reduced.
- ⇒ That they are using AFR for combustible Municipal waste in their Kiln – comparison between TPM and SO2 values in the period prior to AFR installation and after AFR installation shows that there is no increase in TPM or SO2 emissions post AFR installation.

Process Vents

Sr No (*)	Existing	APC	Stack Ht (m)	Proposed
	Source			
2	Clinker Cooler	Bag filter	51.70	No change
3	Cement Mill-1	Bag filter	22.00	No change
4	Cement Mill-2	Bag filter	30.00	No change
5	Cement VRM-1	Bag filter	30.00	No change
6	Cement VRM-2	Bag filter	58.00	No change
7	Packer No-1	Bag filter	30.00	No change
8	Packer No-2	Bag filter	30.00	No change
9	Packer No-3	Bag filter	30.00	No change
10	Packer No-4	Bag filter	45.00	No change
11	Packer No-5	Bag filter	45.00	No change
12	Packer No-6	Bag filter	45.00	No change
13	Coal Mill	Bag filter	166.00	No change

- Industry has proposed no change in existing process vents as compared to exiting consent.

D) Hazardous Waste Load: -

Sr No	Category No./ Type	UoM	Quantity existing as per CTO*	Proposed post proposal	Treatment	Disposal
1	5.1 Used or spent oil	MT/A	11.56	11.56	Recycle	By sale to authorize Recycler/Re-processor
2	35.3 Chemical sludge from waste water treatment	MTPA	5000	5000	Reused	Reuse (In form of Gypsum) in Cement Plant

- No change in hazardous waste generation as compared to existing consent.

Technical Committee Deliberations: -

The project proposal was discussed on the basis of presentation made and documents- NIPL Certificate, NIPL proforma submitted by the proponent. Product wise pollution load calculation in terms of wastewater, Air Emissions & Hazardous Waste generations were discussed. Existing Consent to Operate & Consent to Establish, Environmental Clearance, No Increase in Pollution Load certificate issued by M/s. Aditya Environmental Services Private Limited vide letter dated 18.02.2025 and product-mix proforma are taken on the record.

After due deliberations, Committee noticed that:

- 1) Industry has proposed to retain existing products Ordinary Portland Cement (OPC) and Portland Pozzolana Cement (PPC) (Finished) & add new variety of cement -Composite cement PSC in cement product group by 20% increase in capacity from 3.8 MTPA to 4.56 MTPA, increase capacity of Clinker mfg. from 2.318 MTPA to 2.7812 MTPA.
- 2) Industry is presently having electricity generation capacity 58 MW (25 MW + 15 MW = 40 MW from coal based CPP & 18 MW from WHRB based CPP). Industry has now proposed to generate total 40 MW electricity (i.e., 20 MW + 5 MW by operating coal based CPP at lower capacity & 15 MW from installed 18 MW WHRB based CPP) Industry has claimed that the coal based 2 CPP's will require to be operated at full capacity during startup & shut down of the cement plant until WHRB is on stream.

- 3) Industry has also proposed to increase the Facility for pre- Processing and co processing of non-HW from 600 TPD to 1200 TPD.
- 4) Industry has not proposed any change in total freshwater consumption from the consented quantity i.e., 5468 cmd.
- 5) Industry has proposed no change in effluent generation from change in product mix i.e., 872.8 cmd. The unit will remain ZLD post proposal.
- 6) (*) Existing 25 MW coal based CPP will be operated at 20 MW and existing 15 MW coal based CPP will be operated at 5 MW during normal operation. During start up or shut down 25 MW and 15 MW will be operated until VHRB is on stream.
- 7) (#) 25 MW CPP to be operated at 20 MW by reducing steam throughput.
- 8) (@) 15 MW CPP to be operated at 5 MW by operating only 1 boiler of 40 TPH and reducing steam throughput
- 9) Industry has proposed no change in existing process vents as compared to exiting consent.
- 10) No change in hazardous waste generation as compared to existing consent.

Technical Committee Decision: -

Technical Committee noted that petcoke will not have 0.5% Sulphur, normally contains more than 6%. The Committee decided to defer the case and asked PP to justify no increase in pollution load in spite of increase in clinker production by 20% and doubling the Non HW usage, unit may reassess with both fuel balance and energy balance clearly in next meeting before the committee.

Agenda Item No.	10
Proposal No.	MPCB-CONSENT-0000238363
Project Details	M/s. Cipla Limited [Unit 2] Plot No. D - 27, MIDC Kurkumbh Tal- Daund, Dist- Pune
NIPL Certificate	NIPL certificate issued by M/s. Technogreen Solutions Limited., vide dated 25/02/2025.

Introduction:

This has reference to the online proposal submitted vide No. **MPCB-CONSENT-0000238363** along with the copies of documents seeking renewal of consent with change in product under change in product –mix under the provision of EIA Notification 2006 amended on 02/03/2021

Existing Environment Clearances (EC):

- 1) Environmental Clearance is granted to the industry vide File No. J-11011/368/2006-IA-II(I) dated 31/07/2007
- 2) Environmental Clearance for Expansion vide No. - SIA/MH/IND3/70271/2018 dated 18/05/2023 is granted for additional quantity
- 3) The unit is having consent to operate vide No. Consent no.- No. Format1.0/CAC/UAN No. MPCB-CONSENT-0000200988/CO/2412001136 dated 14/12/2024, which was valid upto 30/04/2025.

A) Project Details:
Production Details:-

Sr. No	Product Name	EC 1 As per previous EC dated 31.07.2007,	Consent to Operate 12.04.2021	Consent to Operate under Product Mix 07.05.2022	Consent to Operate under product mix dated 28.09.2023	EC 2 For Expansion Portion dated 18.05.2023	Consent to Establish for Expansion dated 23.09.2023	Existing Part Operate with Amalgamation of CTE dated 14.12.2024, TPA	Addition (+)/ Deletion (-), TPA	After proposed change in product mix, TPA
	No of Products	Not Mentioned	16	25	47	25	25	51		52
1	Darunavir Ethanoate	320MTA Bulk Drugs & 2000Millions No per Year Formulation	3	3	3	3	2.1	3	3	6
2	Tenofovir Disoproxil Fumarate		66	50.3	8.7	50.3	140.64	58.62	-36.12	22.5
3	Darunavir Hydrate		3	3	3	3	1.48	3	3	6
4	Efavirenz		6	8	8	8	4.92	8	0	8
5	Atazanavir Sulphate		13	9	3	9	3	6	-3	3
6	Dolutegravir Sodium		1	1	1	1	0	1	0	1
7	Esomeprazole Magnesium Dehydrate		3	3	10	3	0	10	10	20
8	Esomeprazole Potassium (intermediate)		6	6	20	6	0	20	-10	10
9	Celecoxib		2	2	0.3	2	3.42	0.3	0	0.3
10	Vildagliptin		2.7	2.7	0.1	2.7	0	0.1	0	0.1
11	Terbinafine Hydrochloride		2	2	0.3	2	3	0.3	0	0.3
12	LAMOTRIGINE		9.1	1	0.5	1	6.6	0.5	3.5	4
13	Citalopram Hydrobromide		26	26	22	26	14.88	22	3	25
14	Trimetazidine Dihydrochloride		6	6	6	6	16.8	6	0	6
15	LOSARTAN POTASSIUM		5.2	1	0.1	1	3.16	0.1	0	0.1

Sr. No	Product Name	EC 1 As per previous EC dated 31.07.2007,	Consent to Operate under Product Mix 07.05.2022	Consent to Operate under product mix dated 28.09.2023	EC2 EC For Expansion Portion dated 18.05.2023	Consent to Establish for Expansion dated 23.09.2023	Existing Part Operate with Amalgamation of CTE dated 14.12.2024, TPA	Addition (+)/ Deletion (-), TPA	After proposed change in product mix, TPA
	No of Products	Not Mentioned	25	47	25	25	51		52
16	LSR ACID (Intermediate of Losartan		6	0.5	6	0	0.5	0	0.5
17	Remdesivir		2	0.2	2	0	0.2	0	0.2
18	Amlodipine Besylate		3	1	3	0	1	14	15
19	Omeprazole Sodium		1	0.07	1	0	0.07	0.93	1
20	Omeprazole		15	1	15	0	1	1	2
21	Pantoprazole Sodium sesquihydrate		3	0.46	3	0.65	0.46	0.04	0.5
22	Amlodipine Mesylate monohydrate		3	1	3	0	1	0	1
23	Topiramate		1	0.5	1	0	0.5	9.5	10
24	Lansoprazole		1	0.88	1	1.54	0.88	-0.38	0.5
25	Nirmatrelvir		1	1	1	0	1	0	1
26	Esomeprazole Magnesium Trihydrate		0	0.45	0	0.95	0.45	0.55	1
27	Felodipine		0	1	0	0	1	-0.5	0.5
28	Donepezil Hydrochloride		0	0.54	0	0	0.54	-0.54	0
29	Linagliptin		0	0.09	0	0	0.09	0	0.09
30	Apremilast		0	0.07	0	0	0.07	0	0.07
31	Anagrelide Hydrochloride		0	0.01	0	0	0.01	0	0.01

MAHARASHTRA POLLUTION CONTROL BOARD

Sr. No	Product Name	EC 1 As per previous EC datd 31.07.2007,	Consent to Operate 12.04.2021	Consent to Operate under Product Mix 07.05.2022	Consent to Operat under product mix dated 28.09.2023	EC2 For Expansion Portion dated 18.05.2023	Consent to Establish for Expansion dated 23.09.2023	Existing Part Operate with Amalgamation of CTE dated 14.12.2024, TPA	Addition (+)/ Deletion (-), TPA	After proposed change in product mix, TPA
	No of Products	Not Mentioned	16	25	47	25	25	51		52
32	Granisetron Base		0	0	0.04	0	0	0.04	0	0.04
33	L Glutamine		0	0	2.5	0	0	2.5	-2.4	0.1
34	Nintedanib		0	0	0.1	0	0	0.1	0	0.1
35	Lenacapavir		0	0	1	0	0	1	-1	0
36	O1 Compound		0	0	44	0	0	44	-40	4
37	Amlodipine		0	0	2.28	0	0	2.28	2.72	5
38	Floctronate		0	0	1.5	0	0	1.5	-1.4	0.1
39	Feloacrylate		0	0	0.9	0	0	0.9	-0.8	0.1
40	Donepezil		0	0	0.55	0	0	0.55	-0.45	0.1
41	N-BOC Linagliptin		0	0	0.28	0	0	0.28	-0.18	0.1
42	APT Sulphonamine Leucine Salt		0	0	0.5	0	0	0.5	-0.4	0.1
43	Anagrelide		0	0	0.5	0	0	0.5	-0.4	0.1
44	Salcaprozate		0	0	1	0	0	1	7.93	8.93
45	Potassium Phosphate Monobasic		0	0	1	0	0	1	9	10
46	Potassium Phosphate Dibasic		0	0	1	0	0	1	-0.9	0.1
47	Darunavir		0	0	8	0	0	8	-2	6
48	Tenofovir Alafenamide Fumarate		0	0	0	0	5.4	5.4	0	5.4
49	Eluxadoline		0	0	0	0	0.06	0.06	0	0.06

Sr. No	Product Name	EC 1 As per previous EC dated 31.07.2007,	Consent to Operate 12.04.2021	Consent to Operate under Product Mix 07.05.2022	Consent to Operate under product mix dated 28.09.2023	EC2 For Expansion Portion dated 18.05.2023	Consent to Establish for Expansion dated 23.09.2023	Existing Part Operate with Amalgamation of CTE dated 14.12.2024, TPA	Addition (+)/ Deletion (-), TPA	After proposed change in product mix, TPA
	No of Products	Not Mentioned	16	25	47	25	25	51		52
50	Bictegravir (Investigational Drug, Clinical trial 3 ongoing)		0	0	0	0	0.36	0.36	-0.36	0
51	R & D Product		0	0	0	0	0.6	8	0	8
52	Abacavir sulfate		0	0	0	0	0	0	15	15
53	Emtricitabine		0	0	0	0	1.26	0	5	5
54	Rivaroxaban		0	0	0	0	0	0	4	4
55	Calcium Gluconate Monohydrate		0	0	0	0	0	0	2	2
	Ranolazine	0	0	0	0	1.08	1.08	0	0	0
	SMK	0	0	0	0	1.92	1.95	0	0	0
	Escitalopram Oxalate	0	0	0	0	0.6	0.6	0	0	0
	Olmesartan Medoximil	0	0	0	0	2.04	2.09	0	0	0
	Situtramine hydrochloride	0	0	0	0	1.56	1.56	0	0	0
	Raloxifene Hydrochloride	0	0	0	0	1.32	1.33	0	0	0
	Total (MT/A)	320	160	160	159.92	219.30	219.43	226.66	-6.66	220

1) Industry had obtained Environmental Clearance vide no File No. J-11011/368/2006-IA-II(I) dated 31/07/2007 for 320MT/A against which industry had obtained Consent to Operate dated 12/04/2021 with 16 Nos of product capped 160 MT/A. Further, Environment clearance of 2007 had expired, hence industry had obtained Consent under product mix dated 07/05/2022 for 25 Nos of product with production of 160 MTA. Furthermore, industry

- had again obtained consent to operate under product-mix dated 28/09/023 for 47 Nos of product caping to 159.92MT/A.
- 2) Then Industry had obtained Environmental Clearance dated 18/05/2023 for expansion from 160MT/A to 220 MT/A. In this new EC industry claims that all figures mentioned are of only expansion instead of total quantities of existing & proposed.
 - 3) In-line with additional EC for expansion, industry had obtained Consent to Establish for Expansion dated 23/09/2023 for 219.43 MT/A production.
 - 4) In-line with EC for Expansion & Consent to Establish, industry had obtained Consent to Operate with Amalgamation of CTE with production quantity of 226.66 MT/A vide dated 14/12/2024.
 - 5) Industry now proposes to manufacture 52 Nos of products post change in product mix by reducing overall production capacity from 226.6 MTA to 220 MTA.

B) Water Pollution Load Details:

i) Water Aspect: -

Particular	EC 1 As per previous EC dtd 31.07.2007,	Consent to Operate 12.04.2021	Consent to Operate under Product Mix 07.05.2022	Consent to Operat under product mix dated 28.09.2023	EC2 For Expansion Portion dated 18.05.2023	Consent to Establish for Expansion dated 23.09.2023	Existing Part Operate with Amalgamation of CTE dated 14.12.2024, TPA	After change in product mix, CMD
Process	600 (Bifurcation is not given in EC)	150	149.57	148.63	Wrongly mentioned as 57 against 160.63	12	160.63	158.89
Washing and other Activities		0	0	0	0	0	0	0.0
Cooling Tower & Boiler (Utility)		70	70	70	Wrongly mentioned as 196 against 168	98	168	168
Total Trade		220	219.57	218.63	Wrongly mentioned as 253 against 328.63	110	328.6	326.89

Gardening		35	35	35	Wrongly mentioned as 292 against 290	255	290	290
Domestic purpose		45	45	45	Wrongly mentioned as 16 against 45	0	45	45
Grand Total	600	300	299.57	298.63	Wrongly mentioned as 561 against 663.63	365	663.63	661.89

- Total water consumption is reduced by 1.74CMD as compared to existing consent after proposed change in product mix.
- Industry has claimed that the water consumption quantities mentioned in EC2 dated 18/05/2023 are wrongly mentioned.

ii) Wastewater Aspect: -

Particular	EC 1 As per previous EC dated 31.07.2007,	Consent to Operate 12.04.2021	Consent to Operate under Product Mix 07.05.2022	Consent to Operate under product mix dated 28.09.2023	EC2 For Expansion Portion dated 18.05.2023	Consent to Establish for Expansion dated 23.09.2023	Existing Part Operate with Amalgamation of CTE dated 14.12.2024, TPA	After change in product mix, CMD
Process	Not Mentioned	115	114.67	113.71	Wrongly mentioned as 62 against 122.51	26	122.51	120.84
Cooling Tower & Boiler (Utility)	Not Mentioned	0	0	0	Wrongly mentioned as 25 /against 17.2	0	17.2	17.2
Washing Activity	Not Mentioned	0	0	0	0	0	0	0
Total Industrial	Not Mentioned	115	114.67	113.71	Wrongly mentioned	26	139.71	138.04

						as 87 against 139.71			
Domestic purpose	Not Mentioned	35	35	35	35	Wrongly mentioned as 14against 35	0	35	35
Grand Total	355	150	149.67	148.71		Wrongly mentioned as 87against 174.71	26	174.71	173.04

- Industry has proposed to decrease in the trade effluent quantity 1.67CMD.
- Industry has claimed that the water consumption quantities mentioned in EC2 dated 18/05/2023 are wrongly mentioned.

iii) Pollution Load with respect to the Changes proposed: -

At Actual existing effluent characteristic: -					
For Strong Stream			For Weak Stream		
Flow (CMD)	14.96		124.75		
Parameter	Kg/Day	mg/L	Kg/Day	mg/L	
COD	2,092.84	1,39,895.63	1,374.68	11,019.46	
BOD	269.88	18040	204.59	1640	
TDS	547.9	36,622.7	170.2	1500	
After Product Mix Effluent characteristic					
For Strong Stream			For Weak Stream		
Flow (CMD)	14.38		123.66		

Parameter	Kg/Day	mg/L	Kg/Day	mg/L
COD	1,709.83	1,18,903.16	1,175.15	9,503.04
BOD	259.415	18040	202.802	1640
TDS	526.6	35,202.5	168.6	1500

- After the proposed product mix the COD, BOD & TDS values of effluent decreased by 18%, 3.9%, 3.9% respectively.

iv) Effluent Treatment System: -

a) Trade Effluent:

- **Strong Stream:** High TDS stream will be treated in Primary (Collection tank, Neutralization tank, Flash mixer, Primary Clarifier/Primary Settling Tank, Primary after sedimentation), Multi effect evaporator (3stage) followed by VTFD. The MEE condensate is treated in weak stream ETP.

- **Weak Stream:** ETP having capacity 150CMD provided 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), Advance treatment (Reverse osmosis, Multi Effective Evaporator (3stage), VTFD). Treated effluent is 100% recycled into the process, cooling tower & for utility purposes so as to achieve Zero Liquid Discharge (ZLD).

b) Domestic Effluent:

- Domestic wastewater amounting to 35 CMD in STP of 35CMD & treated water recycled for gardening.

C) Air Emission Aspect: -

Stack No.	Stack Attached to	EC 1 As per previous EC dated 31.07.2007,	Consent to Operate 12.04.2021	Consent to Operate under Product Mix 07.05.2022	Consent to Operate under product mix dated 28.09.2023	EC2 EC For Expansion Portion dated 18.05.2023	Consent to Establish for Expansion dated 23.09.2023	Existing CTO Fuel Consumption	Fuel Consumption after Change in Product Mix	APC system	Stack Height, m
S-1	Boiler-I - 2TPH	Not Mentioned	2Nos-2TPH-FO-4.5KL/D Height-30m-Stack	PNG-3.4CM/Hr LSHS-5.12KL/D	PNG-3.4CM/Hr LSHS-5.12KL/D	FO-107Lit/Hr	NA	PNG-3.4SCM/Hr LSHS-5.12KL/D	PNG-3.4SCM/Hr LSHS-5.12KL/D	Stack	30
S-2	Thermopack - 2.0 Lakh kl/hrs.		FO-10KL/M APC-Stack	Diesel-7.5KL/M	Diesel-7.5KL/M	HSD-22.68Lit/Hr	NA	Diesel 7.5KL/M	Thermopack Removed	Stack	30
S-3	API-I Production		Height-9m APC-Scrubber	APC-Scrubber Height - 10m	APC-Scrubber	-	NA	-	-	Scrubber	10

S-4	Block Process Vents No. 201	Height-9m APC-Scrubber	APC-Scrubber Height - 10m	Height - 10m	NA	-	Scrubber	10
	API-I Production Block Process Vents No. 202	Height-10m APC-Scrubber	APC-Scrubber Height - 10m	APC-Scrubber	NA	-	Scrubber	10
	DG Set - 1250KVA	Acoustic Enclosure	HSD-30KL/M Height - 7.5m-	HSD-30KL/M Height - 30m	NA	HSD-30KL/M	Acoustic Enclosure	30

- There is no change in the steam requirements as compared to existing consent. The fuel consumption of the boiler for the changed production profile will remain same as compared to existing consent. Industry will remove the Thermopack resulting in a reduction of SO₂ and TPM emission.

Process emission Aspect: -

Stack no.	Stack attached to	APC System	Stack Height
S-1	Boiler-I - 2TPH	Stack	30
S-2	Thermopack - 2.0 Lakh kl/hrs.	Removed	
S-3	API-I Production Block Process Vents No. 201	Scrubber	10
S-4	API-I Production Block Process Vents No. 202	Scrubber	10
S-5	API-I Production Block Process Vents No. 401	Scrubber	10
S-6	DG Set - 1250KVA	Acoustic Enclosure	10

- There will be no change in process emissions as compared to existing consent i.e., Acid mist, & SO₂ (process) & Industry will remove the Thermopack resulting in a reduction of SO₂ and TPM emission.

D) Hazardous Waste Load: -

Sr. No.	Type of Waste	Cat. No.	Unit	EC 1 As per previous EC datd 31.07.2007,	Consent to Operate under Product Mix dated 12.04.2021	Consent to Operate under product mix dated 28.09.2023	EC2 For Expansion Portion dated 18.05.2023	Consent to Establish for Expansion dated 23.09.2023	Existing Part Operate with Amalgamation of CTE dated 14.12.2024, TPA	After Change in Product Mix Qty. TPA	Disposal
1.	Concentration or evaporation residues	37.3	MT/A	Quantity Not Mentioned	48MT/M	48MT/M	840	50MT/M	1176	1130.4	CHWTSDF/Coprocessor thorough MPCB/CPCB Authorized Pre-processor
2.	Process Residue and wastes	28.1	MT/A	Quantity Not Mentioned	0	30MT/M	0	0	360	360	CHWTSDF
3.	Off specification products	28.4	MT/A	Quantity Not Mentioned	0.5MT/M	0.5MT/M	15	800Kg/M	15.6	15.6	CHWTSDF
4.	Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	33.1	No/Y	Quantity Not Mentioned	200Nos/M	200Nos/M	3600	100Nos/M	3600	3600	Sale to authorized party / CHWTSDF
5.	Used or spent oil	5.1	KL/A	Quantity Not Mentioned	0.2KL/M	0.2KL/M	3.6	100LI/M	3.6	3.6	Sale to authorised party / CHWTSDF
6.	Chemical sludge from waste water treatment	35.3	MT/A	Quantity Not Mentioned	15MT/M	15MT/M	186	15MT/M	360	360	CHWTSDF/Coprocessor thorough MPCB/CPCB Authorized Pre-processor
7.	Sludge from wet scrubbers	37.1	MT/A	Quantity Not Mentioned	0.025MT/M	0.025MT/M	0.9	0.05MT/M	0.9	0.9	CHWTSDF/Coprocessor thorough MPCB/CPCB Authorized Pre-processor
8.	Spent organic solvents	28.6	KL/A	Quantity Not Mentioned	378.5KL/M	377.7KL/M	5766	102KL/M	5756.4	5756.4	Sale to authorised party / CHWTSDF
9.	Spent carbon	28.3	MT/A	Quantity Not Mentioned	0.095MT/M	0.095MT/M	0	125Kg/M	2.4	2.4	CHWTSDF
10.	Date-expired Products	28.5	MT/A	Quantity Not Mentioned	1MT/M	1MT/M	15	200Kg/M	14.4	14.4	CHWTSDF
11.	Spent Catalyst	28.2	MT/A	Quantity Not Mentioned	0.03MT/M	0.03MT/M	3.9	75Kg/M	1.26	1.26	Sale to authorised party / CHWTSDF
12.	Spent acid	26.3	MT/A	Quantity Not Mentioned	28.1-30MT/M	0	420	5MT/M	1200	1200	Sale to authorised party / CHWTSDF

• The Concentration or evaporation residues will be reduced from 1176MTA to 1130.4MTA i.e., 45.6MTA

E) Non-Hazardous Waste

Sr. No	Type of Waste	EC 1 As per previous EC dated 31.07.2007,	Consent to Operate 12.04.2021	Consent to Operate under Product Mix 07.05.2022	Consent to Operate under product mix dated 28.09.2023	EC For Expansion Portion dated 18.05.2023	Consent to Establish for Expansion dated 23.09.2023	Existing Operate with CTE dated 14.12.2024, TPA	After Change in Product Mix (MTA)	Disposal
1.	Wooden Scrap, Glass Scrap, Plastic Scrap, Metal Scrap	-	125MTA	125MT/A	125MT/A		75MT/M	200MT/A	200MT/A	Sale to authorized party
2	Plastic, Glass, Ferrous, wooden, Metal Scrap (MTA)	250	-	-		0.135	-	-	-	Sale to authorized party
3	Discarded containers, drums, carboys	-	-	-		3400	300No/M	-	-	Sale to authorized party

F) E-waste & Battery waste

Sr. No	Type of Waste	EC 1 As per previous EC dated 31.07.2007,	Consent to Operate 12.04.2021	Consent to Operate under Product Mix 07.05.2022	Consent to Operate under product mix dated 28.09.2023	EC For Expansion Portion dated 18.05.2023	Consent to Establish for Expansion dated 23.09.2023	Existing Operate with CTE dated 14.12.2024, TPA	After Change in Product Mix (MT/A)	Disposal
1	E-Waste	Not Mentioned	0	0	0	0.0003	7MT/A	7MT/A	7MT/A	Sale to Authorized Party
2	Used Batteries	Not Mentioned	0	0	0	0.003	4MT/A	4MT/A	7MT/A	Sale to Authorized Party

G) Bio-Medical Waste

Sr. No	Type of Waste	Category	EC 1 As per previous EC dated 31.07.2007,	Consent to Operate under Product Mix 07.05.2022	Consent to Operate under product mix dated 28.09.2023	EC2 For Expansion Portion dated 18.05.2023	Consent to Establish for Expansion dated 23.09.2023	Existing Operate with Amalgamation of dated 14.12.2024, TPA	Part with CTE dated 14.12.2024, TPA	After Change in Product Mix Qty. (kg/A)	Disposal
1	Discarded linen, mattresses, beddings, contaminated with blood or body fluid.	Yellow	Not Mentioned	0	0	0	0	60	60	60	CBMWTSDf
2	Contaminated waste (Recyclable)	Red	Not Mentioned	0	0	0	0	18	18	18	CBMWTSDf
3	White (Translucent), Waste sharps including Metals	White	Not Mentioned	0	0	0	0	2.4	2.4	2.4	CBMWTSDf
4	a) Glassware	Blue	Not Mentioned	0	0	0	0	12	12	12	CBMWTSDf

Technical Committee Deliberations:

The proposed project was discussed on the basis of documents – NIPL Certificate and presentation made by the industry. Product wise load calculation in terms of wastewater, Air emissions & Hazardous waste generation were discussed. Existing consent to operate, Environmental Clearance, NIPL Certificate issued by Technogreen Solutions Limited and product – mix Proforma are taken on the record.

After due deliberations, Committee noticed that:

- Industry had obtained Environmental Clearance vide no File No. J-11011/368/2006-IA-II(I) dated 31/07/2007 for 320MT/A against which industry had obtained Consent to Operate dated 12/04/2021 with 16 Nos of product capped 160

MT/A. Further, Environment clearance of 2007 had expired, hence industry had obtained Consent under product mix dated 07/05/2022 for 25 Nos of product with production of 160 MTA. Furthermore, industry had again obtained consent to operate under product-mix dated 28/09/2023 for 47 Nos of product capping to 159.92MT/A.

- Then Industry had obtained Environmental Clearance dated 18/05/2023 for expansion from 160MT/A to 220 MT/A. In this new EC industry claims that all figures mentioned are of only expansion instead of total quantities of existing & proposed.
- In-line with additional EC for expansion, industry had obtained Consent to Establish for Expansion dated 23/09/2023 for 219.43 MT/A production.
- In-line with EC for Expansion & Consent to Establish, industry had obtained Consent to Operate with Amalgamation of CTE with production quantity of 226.66 MT/A vide dated 14/12/2024.
- Industry now proposes to manufacture 52 Nos of products post change in product mix by reducing overall production capacity from 226.6 MTA to 220 MTA.

Technical Committee Decision:

- 1) Technical Committee decided to recommend the case for change in product mix based on "No Increase in Pollution Load" as per the provision of EIA notification 2006 with compliance of the following conditions;
- 2) Industry shall comply with all the conditions stipulated in Environmental Clearance and ensure display/upload of six-monthly compliance monitoring report on their official website.
- 3) Industry shall ensure connectivity of OCEMS data to Board server.
- 4) Industry shall ensure disposal of Hazardous Waste to the actual user having permission under Rule 9 of Hazardous and other Waste (M & TM) Rules, 2016.
- 5) The condition shall be imposed as "If any submission of misleading information including NIPL certificate is noticed, then the consent issued under MoEF & CC Product Mix Circular dtd. 02.03.2021 and amendments thereto will stand automatically cancelled."
- 6) The industry shall obtain amendment in Environmental Clearance obtained for expansion wrt all mistakes claimed by the industry in the Environmental Clearance accorded to the industry.

Agenda Item No.	11
Proposal No.	MPCB-CONSENT-0000232269
Project Details	M/s. Balaji Amines Ltd. (Unit-I) Gat No. 197, Tamalwadi, Tal.: Tuljapur, Dist.: Dharashiv, Maharashtra State.
NIPL Certificate	NIPL Certificate issued By Equinox Environments (I) Pvt Ltd., vide letter No.: EEIPL/12/24.25, Date: 28/12/2024.

Introduction:

This has reference to the online proposal submitted vide No. **MPCB-CONSENT-0000232269** along with the copies of documents seeking amendment in consent to operate for proposed change in product-mix under the provisions of EIA Notification 2006 amended on 23/11/2016 & 02/03/2021

Existing Clearances:

- 1) The Environmental Clearance was obtained for expansion of Aliphatic Amines and its derivative manufacturing unit for 12042.12 MT/M. vide No. J-11011/296/2011-IA-II (I) dated 15/07/2015.
- 2) The unit has obtained consent to operate from Board vide consent No. **Format 1.0/CC/UAN No. MPCB- CONSENT - 0000198407/CR/2406001112** dated 12/06/2024 Valid up to 28/02/2027

A) Project Details:

Production Details:-

No	Product	Existing As per EC Qty.MT/M	Existing Capacity as per CTO (MT/M)	After proposed NIPL Capacity (MT/M)	Remark
1.	Mono Methyl Amine (MMA)	600	600	600	No Change
2.	Di Methyl Amine (DMA)	1448	1448	1448	No Change
3.	Tri Methyl Amine (TMA)	304	304	304	No Change
Ethyl Amine OR					
4.	* Mono Ethyl Amine (MEA)	83.2	83.2	83.2	After NIPL BAL will manufacture alternately Ethyl
5.	* Di Ethyl Amine (DEA)	173.6	173.6	173.6	
6.	* Tri Ethyl Amine (TEA)	396	396	396	

No	Product	Existing As per EC Qty.MT/M	Existing Capacity as per CTO (MT/M)	After proposed NIPL Capacity (MT/M)	Remark
OR MIPA/DIPA					
7.	*Mono Iso Propyl Amine (MIPA)	--	--	601.2	Amines and Propyl Amines in the same Plant as per market demand
8.	* Di Iso Propyl Amine (DIPA)	--	--	46.8	
OR MIPA/DIPA					
9.	*Mono Iso Propyl Amine (MIPA)	--	--	594	Reduced under previous NIPL
10.	* Di Iso Propyl Amine (DIPA)	--	--	54	
11.	Di Methyl Amine Hydrochloride (DMA HCl)	1260	630	630	Increased under previous NIPL
12.	Di Methyl Acetamide (DMAC)	125	625	625	Increased under previous NIPL
13.	Choline Chloride (CC)	150	750	750	No Change
14.	Di Methyl Amino Ethanol (DMAE)	305	305	305	No Change
15.	Di Ethyl Amino Ethanol (DEAE)	316	316	316	No Change
16.	Tri Ethyl Benzyl Ammonium Chloride (TEBAC)	100	100	100	No Change
17.	Mono Methyl Urea (MMU)	150	--	--	Discontinued under previous NIPL
18.	Dimethyl Urea (DMU)	300	300	300	No Change
19.	Methyl Diethanol Amine (MDEA)	125	--	--	Discontinued under previous NIPL
20.	Morpholine	330	330	330	No Change
21.	Absolute Alcohol	3000 KLPM (2367 MT)	2000 KLPM (1578MT)	2000 KLPM (1578MT)	Reduced under previous NIPL
22.	Choline Chloride 50% on Corn cobs (CC 50%)	500	500	500	No Change
23.	Choline Chloride 60% on Corn cobs (CC 60%)	500	500	500	No Change

No	Product	Existing As per EC Qty. MT/M	Existing Capacity as per CTO (MT/M)	After proposed NIPL Capacity (MT/M)	Remark
24.	N-Methyl -2- Pyrrolidone (NMP)	804	304	304	Reduced under previous NIPL
25.	Gama Butyro Lactone	1008	533	533	Reduced under previous NIPL
26.	2-Pyrrolidone / N -Ethyl -2-Pyrrolidone	504	252	252	Reduced under previous NIPL
27.	Mono Ethyl Amine Hydrochloride (MEAHCN)/ Di Ethyl Amine Hydrochloride (DEAHCL) / Tri Ethyl Amine Hydrochloride (TEAHCL)	72	72	72	No Change
28.	Tri Methyl Amine Hydrochloride (TMAHCN)/ Mono Methyl Amine Hydrochloride (MMAHCN)	72	72	72	No Change
29.	Hydrogen	49.2	49.2	49.2	No Change
	Total	12042	10221	10221	Remains same as per existing consent.
	Electricity Generation	2.5 MW	2.5 MW	2.5 MW	No Change

- After change in proposed change in product mix Iso Propyl Amines will be produced @648.0 MT/ M as mentioned above at Sr. No 7 & 8 or 9 & 10 alternate to Ethyl Amines (Mono, Di, Tri) @ 652.8 MT/M mentioned at Sr. NO. 4 to 6 as per market demand.
- Other products will remain the same as per consented capacities and previous NIPL.

B) Water Pollution Load Details:

i) Water Aspect: -

No.	Purpose for water consumed	Water consumption (CMD)			
		As per EC	As per CTO	After NIPL	Remark
1	Industrial Cooling, spraying in mine pits or boiler feed	1343	900	900	No Change
2	Domestic purpose		24	24	No Change
3	Processing whereby water gets polluted & pollutants are easily biodegradable		40	40	No Change
4	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic		20	20	No Change
5	Gardening	1343	36	36	No change
	Total		1020	1020	

- Industry has proposed no change in overall water requirement as compared to existing consent.

ii) Wastewater Aspect: -

No.	Description	Effluent Generation (CMD)			Remark
		As per EC	As per CTO	After NIPL	
1	Trade effluent	327.98	225	225	No change
2	Domestic effluent	18	18	18	No change.
	Total	345.98	243	243	Total reduction by 102.98 CMD as against EC & No change in effluent as against CTO under NIPL.

- The trade-effluent generation will remain the same after the change in the proposed product mix as compared to existing consent.
- After change in Product Mix, the effluents are not getting reduced or increase both –quantitatively & qualitatively. Thus, there will be no change in existing pollution load due to the proposed product mix.

iv) Effluent Treatment System: -

a) Trade Effluent:

Industry has segregated trade effluent into weak stream & strong stream and provided Effluent Treatment Plant (ETP) comprising of: i) **Strong COD/TDS stream of 115 CMD** - Treatment system comprising of Primary (Collection tank, Neutralization tank, Equalization tank, Flash mixer, Primary Clarifier/Primary Settling Tank) ., Multi effect evaporator (3 stage) with design capacity of 160 CMD followed by ATFD. The MEE condensate is treated in weak stream ETP. ii) **Weak COD/TDS stream of 110 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), Advance treatment (Reverse osmosis, RO Permeate shall be recycled and RO reject shall be sent to MEE.)

b) Domestic Effluent:

Domestic effluent of 18 CMD is treated separately in existing STP of capacity 30 CMD. Treated STP effluent is recycled to Green Belt & flushing.

c) Air Emission Aspect: -

No	Stack attached to	Fuel	Fuel Consumption	Stack Height in meter	APC System
1	Boiler - 14 TPH	Imported Coal	2792 Kg / hr	Common Stack 38	MDC & Fabric Bag Filter
1	Boiler - 14 TPH	Imported Coal	2792 Kg / hr		MDC & Fabric Bag Filter
2	CPP Boiler- 35 TPH	Imported Coal	7700 Kg/hr	49	ESP
3	TFH - 6 lac Kcal/Hr.	Imported Coal	125 Kg/Hr	30	MDC & Fabric Bag Filter
4	TFH - 6 lac Kcal/Hr.	Imported Coal	250 Kg/Hr	30	MDC & Fabric Bag Filter
5	TFH - 6 lac Kcal/Hr	H2 Gas	68.5 Kg/Hr	10	Stack
6	TFH - 6 lac Kcal/Hr.	H2 Gas	68.5 Kg/Hr	30	Stack

- **Industry has proposed no any change in the fuel pattern After change in Product –Mix.**

DG Sets: -

No.	Description	Existing D.G. Set			After NIPL D.G Set		
		1	2	3	1	2A	3A
1	Capacity	300 KVA	600 KVA	750 KVA	300 KVA	600 KVA	750 KVA
2	Fuel type	HSD	HSD	HSD	HSD	HSD	HSD
3	Fuel Qty (Kg/hr)	51.6	86	103.2	51.6	86	103.2
4	MOC	MS	MS	MS	MS	MS	MS
5	Shape	Round	Round	Round	Round	Round	Round
6	Height	3.5	5.0	5.5	3.5	6.4	7.6
7	Diameter	--	--	--	--	--	--
8	APC	Acoustic Enclosure/Stack			Exhaust Muffler		

- Industry has proposed no change in the existing utilities, and fuel.

Process Emission Aspects-

No.	Scrubber Attached	Process Emissions	Height of Scrubber (in Mt)	Packing Material	Scrubbing Media	Disposal of scrubbed material
1	Plant – 1 (NMP)	Mono Methyl Amine (MMA)	10	SS Poll Rings	Water	Plant – 1 (NMP)
2	Plant – 2 Ethyl Amines	Ammonia (NH3), Mono Ethyl Amine (MEA)	10	SS Poll Rings	Water	Plant – 2 Ethyl Amines
3	Plant – 4 DMAHCL	Di Methyl Amine (DMA), HCL	17	PP Rings	Water	Plant – 4 DMAHCL
4	Plant – 5 DMU	Ammonia (NH3), Mono Methyl Amine (MMA)	10	SS Poll Rings	Water	Plant – 5 DMU

No.	Scrubber Attached	Process Emissions	Height of Scrubber (in Mt)	Packing Material	Scrubbing Media	Disposal of scrubbed material
5	Plant – 8 Methyl Amines	Ammonia (NH ₃), Amines	10	SS Poll Rings	Methanol	Plant – 8 Methyl Amines
6	Plant – 10 Morpholine	Ammonia (NH ₃)	10	SS Poll Rings	Di-ethylene glycol (DEG)	Plant – 10 Morpholine
7	Ethyl Amines (Loading & Unloading Area)	VOC	10	SS Poll Rings	Water	Ethyl Amines (Loading & Unloading Area)
8	Methyl Amines (Loading & Unloading Area)	VOC	10	SS Poll Rings	Water	Methyl Amines (Loading & Unloading Area)

- There is no change in the process emissions and existing utilities as per existing CTO.

D) Hazardous Waste Load: -

No.	Type of Waste	Category (As per Schedule)	Quantity		Mode of Treatment & Disposal	Remark
			Existing	After NIPL		
1.	Spent Carbon / Water Scrubber	36.2	0.9 MT/A	0.9 MT/A	CHWTSDF/Pre- Processor/ Authorized Recyclers	No Change
2.	Spent Catalyst (Nickel) from EA Plant/ Spent Catalyst (Alumina) from MA Plant/ Spent Catalyst (Copper) from GBL Plant	28.2	7.8 MT/A	7.8 MT/A	CHWTSDF/Pre- Processor/ Authorized Recyclers	No Change
3.	Chemical sludge from waste water treatment	35.3	250 Kg/D	250 Kg/D	CHWTSDF/Pre- Processor/ Authorized Recyclers	No Change
4.	Chemical-containing residue arising from Decontamination.	34.1	24 Kg/D	24 Kg/D	CHWTSDF/Pre- Processor/ Authorized Recyclers	No Change
5.	Distillation residues	20.3	280 Kg/D	280 Kg/D	CHWTSDF/Pre- Processor/ Authorized Recyclers	No Change
6.	MEE Salts	37.3	100 Kg/D	100 Kg/D	CHWTSDF/Pre- Processor/ Authorized Recyclers	No Change
7.	Used or spent oil	5.1	200 ltr/A	200 ltr/A	CHWTSDF/Pre- Processor/ Authorized Recyclers	No Change
8.	By-product Higher Amines	--	164.88 MT/M	164.88 MT/M	CHWTSDF/Pre- Processor/ Authorized Recyclers	No Change

- Due to the change in Product Mix there will not be any change in generation of hazardous waste quantity or category.

Technical Committee Deliberations: -

The project proposal was discussed based on presentation made and documents- revised NIPL Certificate, NIPL proforma submitted by the proponent. Product wise load calculation in terms of wastewater, Air Emissions & Hazardous Waste generations were discussed. Existing Consent to Operate, Environmental Clearance, No Increase in Pollution Load certificate issued by M/s. Equinox Environments (India) Pvt. Ltd., Dated. 28/12/2024 and product-mix proforma are taken on the record.

After due deliberations, Committee noticed that:

- 1) After change in proposed change in product mix Iso Propyl Amines will be produced @648.0 MT/ M as mentioned above at Sr. No 7 & 8 or 9 & 10 alternate to Ethyl Amines (Mono, Di, Tri) @ 652.8 MT/M mentioned at Sr. NO. 4 to 6 as per market demand.
- 2) Other products will remain the same as per consented capacities and previous NIPL.
- 3) Industry has proposed no change in overall water requirement as compared to existing consent.
- 4) The trade-effluent generation will remain the same after the change in the proposed product mix as compared to existing consent.
- 5) After change in Product Mix, the effluents are not getting reduced or increase both –quantitatively & qualitatively. Thus, there will be no change in existing pollution load due to the proposed product mix.
- 6) Industry has proposed no any change in the fuel pattern After change in Product –Mix.
- 7) Industry has proposed no change in the existing utilities, and fuel.
- 8) There is no change in the process emissions and existing utilities as per existing CTO.
- 9) Due to the change in Product Mix there will not be any change in generation of hazardous waste quantity or category.

Technical Committee Decision: -

Technical Committee decided to recommend the case for change in product mix based on "No Increase in Pollution Load" as per the provision of EIA notification 2006 with compliance of the following conditions;

- 1) Industry shall comply with all the conditions stipulated in Environmental Clearance and ensure display/upload of six-monthly compliance monitoring report on their official website.
- 2) Industry shall ensure connectivity of OCEMS data to Board server.
- 3) Industry shall ensure disposal of Hazardous Waste to the actual user having permission under Rule 9 of Hazardous and other Waste (M & TM) Rules, 2016.
- 4) Industry shall restrict the fuel quantity required for DG Sets as prescribed in the consent.
- 5) The condition shall be imposed as "If any submission of misleading information including NIPL certificate is noticed, then the consent issued under MoEF & CC Product Mix Circular dtd. 02.03.2021 and amendments thereto will stand automatically cancelled."

Agenda item No	No. 12
Proposal No.	MPCB-CONSENT-0000228159
Project Details	M/s. SUN MOON PHARMACEUTICALS PVT. LTD Plot No. N-65, M.I.D.C., TARAPUR, Dist Palghar
NIPL Certificate	NIPL certificate issued by EnviroSphere Consultants & Engineers LLP.

Introduction:

This has reference to the online proposal submitted vide No. MPCB-CONSENT-0000228159 along with the copies of documents seeking amendment in consent under change in product mix under the provisions of EIA Notification 2006 amended on 23/11/2016 & amended on 02/3/2021.

Industry has sent mail on 23/04/2025 and reported that due to some unavoidable circumstances they are unable to attend the meeting scheduled for 24/04/2025 & 25/04/2025 and requested to postpone their proposal in the upcoming meeting.

In view of the above, as per the request of the project proponent, the Technical Committee decided to consider this proposal at the next meeting.

Agenda item No	No. 13
Proposal No.	MPCB-CONSENT-0000238366
Project Details	M/s. Brilliant Polymers Private Limited Plot no. 15, 16, 21/4 MIDC Morivali Ambarnath West Dist. Thane - 421 505.
NIPL Certificate	NIPL certificate issued by Aditya Environmental Services Pvt. Ltd., No.: Nil, dtd. 07.03.2025

Introduction:

This has reference to the online proposal submitted vide no. UAN No. MPCB-CONSENT-0000238366 dated 27/02/2025 along with the copies of documents seeking **Renewal in Consent to Operate (RCTO) under change in product mix under the provision of EIA Notification 2006 and amendments thereof.**

Existing Clearances:

- 1) Environmental clearance having ref. no. SEAC-2014/CR-80/TC-2 was issued for the said facility on 08/04/2015. Production capacity as per EC is 3800 TPM
- 2) The unit has obtained consent to operate vide No: Format1.0/CC/UAN No. MPCB-CONSENT-0000121675/CO/2207000866 dated 19/07/2022 which was valid up to 30/04/2025. Production capacity as per CTO is 3800 TPM.

A) Project Details:

Production Details:-

Sr. No.	Existing consented product	EC Production, TPM	CTO Production, TPM	Proposed change, TPM	After product mix, TPM
1	Polyester Polymers	1353	1353	-964	389
2	Polyurethane Polymers	1665	1665	+1301	2966
3	Poly-Isocyanates	303	303	+327	630
4	Specialty polymers	479	479	+637	1116
	Total	3800	3800	1301	5101

- Industry has proposed change in the product mix in its existing facility by decreasing production capacity of 1 Existing product, increasing production capacity of 3 existing products.
- In the proposed activity, the total production capacity will increase from 3800 TPM to 5101 TPM i.e. 1301 TPM, keeping the pollution load within the consent limit.

B) Water Pollution Load Details:

i) Water Aspect: -

Propose	As Per EC, CMD	As Per CTO, CMD	After change in product mix, CMD
Process	Nil		
Boiler Feed	Not mentioned	142.34	142.34
Cooling Tower	Not mentioned		
Total Trade	Not mentioned	142.34	142.34
Spraying on coal	Not mentioned	-	-
DM plant and Boiler softener regeneration	Not mentioned	-	-
QC/Lab	Not mentioned	-	-
Fire hydrant system	Not mentioned	-	-
Domestic	Not mentioned	12	12
Gardening	Not mentioned	1.35	1.35
Grand Total	385.0	155.69	155.69

• There is no change in water consumption after change in product mix.

ii) Wastewater Aspect: -

Propose	As Per EC, CMD	As Per CTO, CMD	Effluent Generation after proposed change in product mix, CMD	Mode of Disposal & Ultimate Receiving Body
INDUSTRIAL				
Boiler and Cooling Tower Blow-down	5.5	5.5	5.5	Recycle 100% to achieve ZLD
Total Industrial	5.5	5.5	5.5	
Domestic effluent	6.0	10	10	Soaked in soak pit

• Industry has proposed no change in effluent generation due to proposed change in product mix.

iv) Effluent Treatment System: -

a) Trade Effluent:

Other than water of reaction there is no effluent generation from process. Water of reaction is treated in distillation column (and recycled for cooling tower) as a part of manufacturing process only.

b) Domestic Effluent:

Sewage collection tank overflow transfer to bioreactor of ETP.

C) Air Emission Aspect: -

Stack No.	Stack Attached to	As Per EC, Fuel Consumption	As Per Valid CTO, Existing Fuel Consumption	Fuel Consumption after Change in Product Mix	APC system	Stack Height
S-1	Boiler 2 TPH					
	Thermic fluid Heater (15 Lac Kcal/Hr)	Coal 1200 kg/hr	Coal 1200 kg/hr	Coal 1200 kg/hr	Bag filter and dust collector	30 m
	Thermic fluid Heater (15 Lac Kcal/Hr)					
S-2	DG Set (900 KVA)	HSD 215 Lit/Hr	HSD 215 Ltr/Hr	HSD 215 Ltr/Hr	Acoustic Enclosure	6 m

- There is no change in the steam requirements as compared to existing consent. The fuel consumption of the boiler for the changed production profile will remain same as compared to existing consent.
- There are no process emission from existing & proposed profile due to change in product mix.

D) Hazardous Waste Load: -

Sr. No	Type of Waste	Cat. No.	As Per EC*	Existing as Per CTO,	After a Change in product mix	Disposal
1	Process wastes	29.1	Not mentioned	10 TPA	9.94 TPA	Pre-processing/Co-processing/ CHWTSDf
2	Spent solvents	20.2	Not mentioned	10 TPA	0.0 TPA	Sale to authorized party/ CHWTSDf

3	Empty barrels /containers/liners contaminated with hazardous chemicals/wastes**	33.1	Not mentioned	126 Nos/day	126 Nos/day	Sale to authorized party/ CHWT SDF
4	Empty barrels /containers/liners contaminated with hazardous chemicals/wastes**	33.1	Not mentioned	186 kg/day	186 kg/day	Pre-processing/Co-processing/ CHWT SDF
5	Chemical sludge from wastewater treatment	35.3	Not mentioned	3 kg/day	3 kg/day	CHWT SDF
6	Spent carbon or filter medium	36.2	Not mentioned	50 kg/day	50 kg/day	Pre-processing/Co-processing/ CHWT SDF***
Total			Not mentioned	106.04 TPA and Empty barrels - 126 Nos/day	95.98 TPA and Empty barrels - 126 Nos/day	

- After Change in product mix there is decrease in total hazardous waste generation by 10.06 TPA as compared to existing consent.

E) Non-Hazardous Waste:

Sr. No	Type of Waste	As Per EC,	As Per CTO	After Change in Product Mix Qty.	Disposal
1	Coal Ash	Not mentioned	1665 kg/day	No Change	Sale to Brick manufacturer

Sr. No	Type of Waste	As Per EC,	As Per CTO	After Change in Product Mix Qty.	Disposal
2	Other Non-Hazardous waste	Not Mentioned	5 kg/day	No Change	Sale to authorized party
3	Mild Steel Drums	Not Mentioned	59 No/day	No Change	Sale to authorized party

F) Conditions under E-Waste Management:

Sr. No	Type of Waste	As Per EC,	As Per CTO, TPA	After Change in Product Mix Qty.	Disposal
1	E-Waste	Not mentioned	1	No Change	Authorized Recycler

Technical Committee Deliberations: -

The proposed project was discussed on the basis of documents – NIPL Certificate and presentation made by the industry. Product wise load calculation in terms of wastewater, Air emissions & Hazardous waste generation were discussed. Existing consent to operate, Environmental Clearance, NIPL Certificate issued by Aditya Environmental Services Pvt. Ltd and product mix Proforma are taken on the record.

After due deliberations, Committee noticed that:

- 1) Industry has proposed change in the product mix in its existing facility by decreasing production capacity of 1 Existing product, increasing production capacity of 3 existing products.
- 2) In the proposed activity, the total production capacity will increase from 3800 TPM to 5101 TPM i.e. 1301 TPM, keeping the pollution load within the consent limit.
- 3) Industry has proposed no change in effluent generation due to proposed change in product mix.
- 4) There is no change in the steam requirements as compared to existing consent. The fuel consumption of the boiler for the changed production profile will remain same as compared to existing consent.
- 5) There are no process emission from existing & proposed profile due to change in product mix.
- 6) After Change in product mix there is decrease in total hazardous waste generation by 10.06 TPA as compared to existing consent.

Technical Committee Decision: -

Technical Committee decided to recommend the case for change in product mix based on "No Increase in Pollution Load" as per the provision of EIA notification 2006 with compliance of the following conditions;

- 6) Industry shall comply with all the conditions stipulated in Environmental Clearance and ensure display/upload of six-monthly compliance monitoring report on their official website.
- 7) Industry shall ensure connectivity of OCEMS data to Board server.
- 8) Industry shall ensure disposal of Hazardous Waste to the actual user having permission under Rule 9 of Hazardous and other Waste (M & TM) Rules, 2016.
- 9) The condition shall be imposed as "If any submission of misleading information including NIPL certificate is noticed, then the consent issued under MoEF & CC Product Mix Circular dtd. 02.03.2021 and amendments thereto will stand automatically cancelled."



Agenda Item No.	14
Proposal No.	MPCB-CONSENT-0000238300
Project Details	M/s. Lupin Limited , Survey no. 30/10 to 30/13 & 64/17 Plot No. T-142, MIDC Tarapur, Tal. Palghar, Dist. Palghar-410506
NIPL Certificate	NIPL certificate issued by Goldfinch Engineering Systems Pvt. Ltd., No., Date: 01/04/2025

Introduction:

This has reference to the online proposal submitted vide No. MPCB-CONSENT-0000238300 along with the copies of documents seeking amendment in existing consent to operate under change in product mix under the provision of EIA Notification 2006 amended on 02.03.2021 and thereof.

Existing Clearances:

- 1) Environmental Clearance is granted to industry by MoEF and EC with ref no. No. EC (Lupin) -2009/153/CR.167/TC. I dated 16/11/2010 and Amended EC was issued on 04/01/2011 vide ref no. EC (Lupin) -2009/153/CR.167/TC. I, for the total production capacity of 1449.75 TPA.
- 2) The unit has obtained 5th amendment in consent to Operate under change in Product mix for total production capacity 1522.425 TPA vide No Format1.0/CAC/UAN No. 0000209928/CO/2501001721 dated 20/01/2025 valid up to 30/04/2029.

A) Project Details:**Production Details:-**

Sr. No	Product Name	As per EC issued on 04.01.2011, TPA	Existing Quantity as per CTO dtd 20.01.2025 , TPA	Addition (+)/ Deletion (-), TPA	After proposed change in product mix, TPA
1	Rifa S,Rifa O	404	60	-30	30
2	Rifampicin (from inhouse Rifa S)		181	+94	275
3	Rifampicin (from Outsource Rifa S)	-	157	-62	95

Sr. No	Product Name	As per EC issued on 04.01.2011, TPA	Existing Quantity as per CTO dtd 20.01.2025, TPA	Addition (+)/ Deletion (-), TPA	After proposed change in product mix, TPA
4	Rifampicin (from Outsource Sodium Rifamycin-S) Conversion require Hydrolysis	-	106	+19	125
5	Rifaximin	5	5	0	5
6	Lovastatin	150	10	-2	8
7	Simvastatin	72	42	-6	36
8	Sertraline	36	72	-1	71
9	Losartan potassium	10	58	-4.5	53.5
10	Valsartan	0	1	-0.5	0.5
11	Duloxetine	8	25	+20	45
12	Irbesartan	0	0.5	0	0.5
13	Quetiapine Fumerate	0	80	-3	77
14	Pyrazinamide	225	50	-41	9
15	Levetiracetam	60	458.5	+10.5	469
16	Abacavir (Hydrochloride/ Sulphate)	0	8	-5	3
17	Amlodipine Besilate	4	22	-4	18
18	Escitalopram Oxalate	0	0.5	0	0.5
19	Cysteamine Bitartrate	0	20	+1	21
20	Tolterodine Tartarate	0.5	0.03	0	0.03
21	Celecoxib	0	18	-3	15
22	Ethambutol	10	22	+3	25

Sr. No	Product Name	As per EC issued on 04.01.2011, TPA	Existing Quantity as per CTO dtd 20.01.2025, TPA	Addition (+)/ Deletion (-), TPA	After proposed change in product mix, TPA
23	Fenofibrate (Choline Fenofibrate)	15	20	0	20
24	Rifabutin	3	1	-0.5	0.5
25	Zolpidem Tartarate	1	1.5	0	1.5
26	Imipramine pamoate (Imipramine HCl)	4	0.5	+0.05	0.55
27	Lansoprazole	7	2.5	-1.5	1.0
28	Rabeprazole	0	0.5	0	0.5
29	Risperidone	0.25	1	-0.5	0.5
30	Azythromycin	20	2	+1.5	3.5
31	Gatifloxacin	0	0.02	-0.01	0.01
32	Ziprasidone	3	2	-1.5	0.5
33	Desloratadine	0.5	1	0	1
34	Memantine	1	1.5	0	1.5
35	Eszopiclone	0.5	0.1	0	0.1
36	Tenofovir	0	7.5	-1.5	6.0
37	Emtricitabine	0	7.5	-1.5	6.0
38	Ezetimibe	0	12	-4	8
39	R & D Products	5	12	-5	7
40	Ranolazine	0	1	0	1
41	Armodafinil	0	0.8	-0.3	0.5
42	Capreomycin Sulfate	0	1	-0.5	0.5

Sr. No	Product Name	As per EC issued on 04.01.2011, TPA	Existing Quantity as per CTO dtd 20.01.2025, TPA	Addition (+)/ Deletion (-), TPA	After proposed change in product mix, TPA
43	Calcium L-5-Methyltetrahydrofolate	0	0.1	0	0.1
44	Rifapentine	0	42	+16	58
45	Oseltamivir	0	3	0	3
46	Sodium Rifamycin SV	0	4.5	0	4.5
47	Dalbavancin Intermediate (A-40926)	0	0.2	-0.126	0.074
48	Demeclocycline (DMCTC)	0	0.5	+1	1.5
49	Tacrolimus	0	0.1	0	0.1
50	Tolvaptan	0	0.075	-0.035	0.04
51	Vortioxetine	0	0	+0.4	0.4
52	Venlafaxin	18	0	0	0
53	Pentaprazole	6	0	0	0
54	Carvediol & Carvediol phosphate	3	0	0	0
58	Topiramate	15	0	0	0
59	Lamotrigine	10	0	0	0
60	Nabumetone	60	0	0	0
61	Diacerein	3	0	0	0
62	Omeprazole mg	15	0	0	0

Sr. No	Product Name	As per EC issued on 04.01.2011, TPA	Existing Quantity as per CTO dtd 20.01.2025, TPA	Addition (+)/ Deletion (-), TPA	After proposed change in product mix, TPA
63	Sevelamer HCl	45	0	0	0
64	Atorvastatin	15	0	0	0
65	Levofloxacin	30	0	0	0
66	Lamivudine	3	0	0	0
67	Clinadamylin	2	0	0	0
68	Esomeprazole	20	0	0	0
69	Sevelmar carbonate	45	0	0	0
70	Pregabalin	20	0	0	0
71	Mesalazine	30	0	0	0
72	Lisinopril	65	0	0	0
	Total TPA	1449.75	1522.425	- 12.521	1509.904

- Industry has proposed a change in product mix by Addition of 01 new product, keeping production capacity same of 15 existing products, decreasing production capacity of 25 existing products, increasing production quantity of the 10 existing products.
- Industry has proposed that the total production capacity of the plant will be decreased from 1522.425 MT/A to 1509.904 MT/A i.e. 12.521 MT/A decreased in production capacity as compared to existing consent, keeping the pollution load within the consent limit.

B) Water Pollution Load Details:

i) Water Aspect: -

Particular	As Per EC, CMD	Existing as Per CTO, CMD	After change in product mix, CMD
Process		876.20	876.17
Washing and other Activities			
Cooling Tower & Boiler (Utility)		1100.0	1100.0
Total Trade	2270.0	1976.20	1976.17
Gardening		150.0	150.0
Domestic purpose		120.0	120.0
Grand Total	2270.0	2246.20	2246.17

- Total water consumption is reduced by 0.03 CMD as compared to existing consent after proposed change in product mix.

ii) Wastewater Aspect: -

Particular	As Per EC, CMD	Existing as Per CTO, CMD	After change in product mix, CMD
Process			
Cooling Tower & Boiler (Utility)		1008.10	1007.61
Washing Activity			
Total Industrial	1145.0	1008.10	1007.61
Domestic purpose		95	95
Grand Total	1145.0	1103.10	1102.61

- Industry has proposed to decrease in the trade effluent quantity by 0.49 CMD.

iii) Pollution Load with respect to the Changes proposed: -

At Actual existing effluent characteristic: -			
(From Process Washing Activity, Cooling Tower, Boiler Blow down & Domestic)			
Flow (CMD)	1103.10 (1008.10 Trade + 95 Domestic)		
Parameter	Kg/Day	mg/L	
COD	12597.6	11420	
BOD	6313.6	5723	
TDS	6880.3	6237	
After Product Mix Effluent characteristic: -			
(From Process Washing Activity, Cooling Tower, Boiler Blow down & Domestic)			
Flow (CMD)	1102.61 (1007.61 Trade + 95 Domestic)		
Parameter	Kg/Day	mg/L	
COD	12221.9	11084	
BOD	6113.5	5544	
TDS	6863.5	6224	

- After the proposed product mix the COD, BOD & TDS values of effluent decreased by 2.98%, 3.16%, 0.24% respectively.

iv) Effluent Treatment System: -

a) Trade Effluent:

- Full-fledged Effluent Treatment Plant (ETP) of capacity 1200 CMD followed by Reverse Osmosis having capacity 1307 CMD and MEE of 360 CMD capacity followed by ATFD 35 CMD capacity for the treatment 1102.61 CMD effluent (Industrial effluent-1007.61 CMD + Domestic effluent- 95 CMD).

- Treated effluent is 100% recycled into the process, cooling tower & for utility purposes so as to achieve Zero Liquid Discharge (ZLD).

b) Domestic Effluent:

- Domestic wastewater amounting to 95 CMD is treated together with industrial effluent at the full-fledged ETP.

C) Air Emission Aspect: -

Stack No.	Stack Attached to	As per EC Fuel Consumption	Existing CTO Fuel Consumption	Fuel Consumption after Change in Product Mix	APC system	Stack Height, m
S-1	Boiler-(12 TPH & 10 TPH) (2 Nos)	Furnace Oil: 1351 TPM	Natural Gas: 1679 SCM/Hr OR LSHS: 895 Kg/Hr	No Change	Stack	57
S-2	Boiler-(12 TPH & 12 TPH) (2 Nos) Standby		Natural Gas : 1832 SCM/Hr	No Change	Stack	31
S-3	Boiler-(10 TPH)		Natural Gas :763 SCM/Hr OR LSHS :407 Kg/Hr	No Change	Stack	45
S-4 to S-12	DG Set-(2x2.5 MW, 4x1.2 MW, 3x1.6 MW)	HSD: 157 TPM	HSD:157 TPM	No Change	Acoustic Enclosure	30 each
S-13 to S-14	Power Generator (2x2.5 MW)	Not Mentioned	HSD:414 TPM	No Change	Stack	48 each
S-42	Boilers (2 Nos) 8 TPH & 8 TPH	Agro Waste: 1903 TPM	Briquette -1903 TPM	No Change	ESP stack	35

- There is no change in the steam requirements as compared to existing consent. The fuel consumption of the boiler for the changed production profile will remain same as compared to existing consent.

Process emission Aspect: -

Stack no.	Stack attached to	APC System	Stack Height
S-15 to S-41	Process stacks (27 nos)	Scrubber	Above the roof 5 meter each

F) There will be no change in process emissions as compared to existing consent i.e., Acid mist, HCL, SO₂ (process) & Ammonia.

D) Hazardous Waste Load: -

Sr. No.	Type of Waste	Cat. No.	As Per EC	As Per CTO. TPA	After Change in Product Mix Qty. TPA	Disposal
1.	Used/Spent Oil	5.1	0.025 TPD	10.8	10.8	Sale to authorized party / CHWTSDf/re-processors
2.	Waste or residues containing oil	5.2	0.02 TPD	7.2	7.2	Sale to authorized party / CHWTSDf/re-processor
3.	Process Residue and wastes	28.1	3.70 TPD	50.53	40.65	Coprocessor through MPCB/CPCB Authorized Preprocessor /CHWTSDf
4.	Process Residue and wastes (Piperazine di acetate)	28.1	Not Mentioned	86.88	96.86	Sale to authorized party Coprocessor through MPCB/CPCB Authorized Preprocessor / CHWTSDf
5.	Process Residue and wastes (Di iso propyl Ethyl Amine)	28.1	Not Mentioned	1.68	0.84	Sale to authorized party Coprocessor through MPCB/CPCB Authorized Preprocessor / CHWTSDf
6.	Process Residue and wastes (R-R Mandelate salt)	28.1	Not Mentioned	91.67	90.40	Sale to authorized party Coprocessor through MPCB/CPCB Authorized Preprocessor / CHWTSDf
7.	Process Residue and wastes (Mendalic Acid)	28.1	Not Mentioned	38.01	37.48	Sale to authorized party Coprocessor through MPCB/CPCB Authorized Preprocessor / CHWTSDf
8.	Process Residue and wastes (Tri Ethyl Amine)	28.1	Not Mentioned	81.76	70.08	Sale to authorized party Coprocessor through MPCB/CPCB Authorized Preprocessor / CHWTSDf

Sr. No.	Type of Waste	Cat. No.	As Per EC	As Per CTO. TPA	After Change in Product Mix Qty. TPA	Disposal
9.	Process Residue and wastes (Tributyl tin chloride)	28.1	Not Mentioned	1.34	0.67	Sale to authorized party Coprocessor through MPCB/CPCB Authorized Preprocessor / CHWTSDF
10.	Process Residue and wastes (Di methyl Butanoic Acid)	28.1	Not Mentioned	39.10	33.52	Sale to authorized party Coprocessor through MPCB/CPCB Authorized Preprocessor / CHWTSDF
11.	Process Residue and wastes (2Amino 4 Methyl pyridine)	28.1	Not Mentioned	1.11	1.11	Sale to authorized party Coprocessor through MPCB/CPCB Authorized Preprocessor / CHWTSDF
12.	Process Residue and wastes (D2 1Butanol (D2AB))	28.1	Not Mentioned	8.11	9.21	Sale to authorized party Coprocessor through MPCB/CPCB Authorized Preprocessor / CHWTSDF
13.	Process Residue and wastes (Trans sertraline)	28.1	Not Mentioned	230.98	227.77	Sale to authorized party Coprocessor through MPCB/CPCB Authorized Preprocessor / CHWTSDF
14.	Process Residue and wastes (Imidazole Hydrochloride)	28.1	Not Mentioned	31.17	26.71	Sale to authorized party Coprocessor through MPCB/CPCB Authorized Preprocessor / CHWTSDF
15.	Process Residue and wastes (Potassium chloride KCl)	28.1	Not Mentioned	2119.10	2167.63	Sale to authorized party Coprocessor through MPCB/CPCB Authorized Preprocessor / CHWTSDF

Sr. No.	Type of Waste	Cat. No.	As Per EC	As Per CTO. TPA	After Change in Product Mix Qty. TPA	Disposal
16.	Spent catalyst	28.2	0.367 TPD	18.86	12.78	Sale to authorized party / Coprocessor through MPCB/CPCB Authorized Preprocessor /CHWTSDF/ Back to Manufacture for recycle
17.	Spent carbon	28.3	0.510 TPD	231.13	230.89	Coprocessor through MPCB/CPCB Authorized Preprocessor /CHWTSDF
18.	Off specification products	28.4	As & when generated	720	720	Coprocessor through MPCB/CPCB Authorized Preprocessor /CHWTSDF
19.	Date-expired products	28.5	As & when generated	720	720	Coprocessor through MPCB/CPCB Authorized Preprocessor /CHWTSDF
20.	Spent organic solvent (Recovered IPA)	28.6	Not Mentioned	142.17	161.56	Sale to authorized party /Coprocessor through MPCB/CPCB Authorized Preprocessor / CHWTSDF-(Recovered IPA)
21.	Spent organic solvents	28.6	374.42 TPD	85378.73	85509.07	Sales to authorized party / Coprocessor through MPCB/CPCB Authorized Preprocessor /CHWTSDF/onsite recovery
22.	Empty barrels /containers /liners contaminated with hazardous chemicals /Wastes	33.1	As & when generated	4320	4320	(PPE/Cartridge Filter/Liner Bags)- Sale to authorized party after decontamination / Coprocessor through MPCB/CPCB Authorized Preprocessor

Sr. No.	Type of Waste	Cat. No.	As Per EC	As Per CTO. TPA	After Change in Product Mix Qty. TPA	Disposal
23.	Chemical containing residue arising from decontamination	34.1	As & when generated	180	180	Coprocessor through MPCB/CPCB Authorized /CHWTSDF
24.	Any process or distillation residue	36.1	2.40 TPD	918.65	725.34	Coprocessor through MPCB/CPCB Authorized /CHWTSDF
25.	Concentration or evaporation residue	37.3	4.0 TPD	4140	4140	CHWTSDF (on dry basis)
26.	Insulation Waste, discarded PPE, Apron, Shoe cover,	-	Not Mentioned	365	365	Co-process through MPCB/CPCB Pre-Processor/CHWTSDF
	Total		138759.12 TPA	99933.98 TPA	99905.57 TPA	

- Hazardous waste from Sr. No. 4 to 15 in the above table are on active basis & are recovered from streams generated from manufacturing process and Sale to authorized party having permission under Rule 9 of H & OW Rule 2016
- The total hazardous waste is reduced by 28.40 TPA

E) Non-Hazardous Waste

Sr. No	Type of Waste	As Per EC	As Per CTO	After Change in Product Qty.	Disposal
1.	Canteen Waste	Not Mentioned	500 Kg/Day	500 Kg/Day	Piggeries/ In house or External composting
2.	Mycelia Waste	18.1 MT/Day	18.1 MT/Day	18.1 MT/Day	Sale to authorized party

Sr. No	Type of Waste	As Per EC	As Per CTO	After Change in Product Mix Qty.	Disposal
3.	Bio Sludge (ETP)	5.82 MT/Day	5.82 MT/Day	5.82 MT/Day	Used as manure or Sale to authorized Party or CHWTSD/ Co-process through MPCB/CPCB authorized Pre-processor/ Co-processor
4.	Glass Bottles	Not Mentioned	01 MT/Day	01 MT/Day	Sale to authorized Party
5.	Briquette Ash	Not Mentioned	9.5 MT/Day	9.5 MT/Day	Sale to Brick Manufacturer/ Landfill/ Use as manure

F) Plastic Waste

Sr. No	Type of Waste	As Per EC	As Per CTO	After Change in Product Mix Qty.	Disposal
1	PVC & Plastic waste	Not Mentioned	365 MT/A	365 MT/A	Sale to authorized Party

Technical Committee Deliberations: -

The proposed project was discussed on the basis of documents – NIPL Certificate and presentation made by the industry. Product wise load calculation in terms of wastewater, Air emissions & Hazardous waste generation were discussed. Existing consent to operate, Environmental Clearance, NIPL Certificate issued by Goldfinch Engineering Systems Pvt. Ltd and product mix Proforma are taken on the record.

After due deliberations, Committee noticed that:

- 1) Industry has proposed a change in product mix by Addition of 01 new product, keeping production capacity same of 15 existing products, decreasing production capacity of 25 existing products, increasing production quantity of the 10 existing products.
- 2) Industry has proposed that the total production capacity of the plant will be decreased from 1522.425 MT/A to 1509.904 MT/A i.e. 12.521 MT/A decreased in production capacity as compared to existing consent, keeping the pollution load within the consent limit.

- 3) Total water consumption is reduced by 0.03 CMD as compared to existing consent after proposed change in product mix.
- 4) Industry has proposed to decrease in the trade effluent quantity by 0.49 CMD.
- 5) After the proposed product mix the COD, BOD & TDS values of effluent decreased by 2.98%, 3.16%, 0.24% respectively.
- 6) There is no change in the steam requirements as compared to existing consent. The fuel consumption of the boiler for the changed production profile will remain same as compared to existing consent.
- 7) There will be no change in process emissions as compared to existing consent i.e., Acid mist, HCL, SO₂ (process) & Ammonia.
- 8) The total hazardous waste is reduced by 28.40 TPA

Technical Committee Decision: -

Technical Committee decided to recommend the case for change in product mix based on "No Increase in Pollution Load" as per the provision of EIA notification 2006 with compliance of the following conditions;

- 1) Industry shall comply with all the conditions stipulated in Environmental Clearance and ensure display/upload of six-monthly compliance monitoring report on their official website.
- 2) Industry shall ensure connectivity of OCEMS data to Board server.
- 3) Industry shall comply with the mechanism for Environmental management prepared by Central Pollution Control Board for CEPI listed areas, as industry falls under Severely Polluted Area (SPA) of CEPI.
- 4) Industry shall achieve TPM-50 mg/NM₃ being the unit is in CEPI area as per MPC Board policy and accordingly consent shall be amended for the stringent standards.
- 5) Industry shall ensure disposal of Hazardous Waste to the actual user having permission under Rule 9 of Hazardous and other Waste (M & TM) Rules, 2016.
- 6) The condition shall be imposed as "If any submission of misleading information including NIPL certificate is noticed, then the consent issued under MoEF & CC Product Mix Circular dtd. 02.03.2021 and amendments thereto will stand automatically cancelled."

 02/06

(Sujit Dholam)
Regional Officer (BMW)
& Member Convener



(Dr. Rajendra Rajput)
Assistant Secretary (Tech.)
& Chairman