

Minutes of 2nd Technical Committee Meeting (2023-2024), for certification about "No Increase in Pollution Load" for getting exemption from going through the entire EIA process i.e for assessment of application of under change in Product-Mix.

Date: 9th June, 2023

Venue: Hybrid Mode, 4th Floor, Conference Hall, Kalpataru Point, Sion, Mumbai.

Technical Committee Members present for the meeting:

- | | | |
|----|---------------------------------------------------|-----------------|
| 1. | Dr.J.B.Sangewar, Assistant Secretary (Tech), MPCB | Chairman |
| 2. | Mr. Anurag Garg, Associate Prof IIT, Mumbai | Member |
| 3. | Dr.B R. Naidu, Ex Zonal Officer, CPCB | Member |
| 4. | Shri. N. N. Gurav, RO(BMW) | Member convener |

At the outset, the request received from the members 1) Dr. V. M. Motghare, Joint Director (APC) 2) Shri. A.M.Pimparkar Scientist-I, Environment department, GoM, 3) Shri.Bharat Kumar Sharma, Regional Director, CPCB and 4) Representative nominated by director NCL Pune, 5) Mr. M.P.Patil, Chief Scientist & Head(HWMD) Representative nominated by director NEERI and 6) Shri.S.V.Patil, Head & Technical Advisor, Dept of Alcohol Tech & Biofuel, Vasantdada Sugar Institute, Pune for leave of absence from attending the meeting were placed before the committee meeting. The committee considered the same.

Dr.J.B.Sangewar, Assistant Secretary (Tech), MPCB & Chairman of the committee welcomed all the Committee members and the minutes of the 2nd Sitting of 4th Technical Committee Meeting (2022-2023) and 1st Technical Committee Meeting (2023-2024) were confirmed, thereafter Committee deliberated on the agenda items placed and following decisions were taken.

Minutes of 1st Technical Committee Meeting ~~2nd sitting~~ (2023-2024), for certification about "No Increase in Pollution Load" dtd. 9th June 2023




Agenda item No	Item no 1
Proposal No.	MPCB-CONSENT-0000167993
Project Details	M/s. Cipla Limited [Unit 1] Plot No. A-33,A-37/2/2 Patalganga Tal; Khalapur, Dist: Raigad
NIPL Certificate	NIPL certificate issued by Ultra Tech(Environmental consultancy & Environmental laboratory) , dated 04.04.2023
Name of the industry representative present.	Mr. Manoj H Chhajed – Deputy Manager- EHS

Introduction:

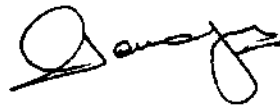
This has reference to the online proposal submitted vide No. MPCB-CONSENT-0000167993 along with the copies of documents seeking renewal of consent with change in product under change in product –mix as per the provision of EIA Notification 2006 amended on 23/11/2016 and 02/03/2021. Industry has obtained consent to operate on 19.09.2022 and requested for amendment in consent to operate under change in product mix.

Existing Clearances:

1. Environmental Clearance: Industry claims that, It's Not applicable as per OM issued by MOEF&CC dated 14.12.2006.
2. Consent to operate obtained with vide No. Format1.0/CAC/UAN No.0000131364/CR/2209001232 dated 19.09.2022 valid for the period up to 30.04.2023
3. Industry has submitted proposal on PARIVESH portal on 18.05.2023 Single Window Clearance No. (SW/ 2569/2023)

The industry along with the empanelled environmental auditor by the Board has given the presentation regarding NIPL proposal before the committee and gist of the presentation is as follows;

Minutes of 2nd Technical Committee Meeting 2nd sitting (2023-2024), for certification about "No Increase in Pollution Load" dtd. 9th June 2023

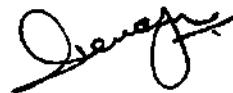
Project details:

A. Production Details:

Formulations Production Scenario

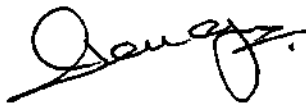
Sr. No.	Product Name	Existing Quantity MTA
Formulation (Tablets, Creams, Powders, Syrups, Granules)		
1.	Alergin/Acivir DT/400 DT/ 800 DT/Azloy – 250/500	2000000000 No/M
2.	Alerid/Ambitol 200/400/600/800	
3.	Asthalin 2/4/SA/Theo Asthalin 2.9 /5/10 /AT	
4.	Amlopaes-AT/2.5/5/10/Asthavent/ SASR tablets	
5.	Bendex 400/Beclate aquanase/ Budenase AQ	
6.	Ciplar 10/40/80/H/Carduk 30/60/Bruflam-200/400	
7.	Ciplan/DS/Cetirizine/Caffeine Granules	
8.	Ciplox 100/250/500/750/Cipmax/Cipex	
9.	Ciplactin/Cheston DT	
10.	Co-Trimoxazole IP/Dosacard 1/2/4	
11.	Dyrade M/DS/Dilgard30/60/Deworm/Diclo/Doxyne	
12.	Felogard-2.5/5/10	
13.	Fertomid/Febridol	
14.	Guplip/Granules/Glumet/Glygard	
15.	Hipres 50/100	
16.	Ibugesic200/400/600/Plus/M/Rheugesic	
17.	Ibuprofen 200/400/600	
18.	Kineta 400/100/Kelfer 250/500	
19.	Leporid/Larpose 1/2	
20.	Lansoprazole Pellets	
21.	Mucoline/Forte	

Minutes of 1st Technical Committee Meeting ~~24~~ 25th June (2023-2024), for certification about "No Increase in Pollution Load" dtd. 9th June 2023

22.	Mebex/Medazine-T/Metformine 500	
23.	Metolar H/Metoprolo Tenrate	
24.	Mefloquine Hydrochloride /Mefliam	
25.	Metoprolo Tenrate 500/100	
26.	Norflox 100/100DT/200/400/800/ Nifelat 5/10	
27.	Nifelat Retard / Nifedipine Capsules	
28.	Roxee 150/300/pirox IT	
29.	Omeprazole/Propanol 10/40/80/Pixam-DT/Pseuddephdrine	
30.	Proflox/Pentoxifying 400 MF SR/Presolar/ Paracetamol-500	
31.	Qinarol 300/600	
32.	Restyl 0.25/0.50/1.00/2.00/Roxy-300	
33.	Roxithromycin – 150/300/Rheugesic	
34.	Saflox/Sulphamoxale/Salbutamol 2/4	
35.	Senade/Zaart 25/30	
36.	Terfed Group/Trivedon 20	
37.	Theobid 200/300/Trimethoprim & Sulphamethoxazole	
38.	Ultac 150/300	
39.	Uroneg 500/Surup 300 mg/ml/Azo Uroneg	
Ointment/Cream		
1.	Beclate N/C/S/Forte/Lotion	
2.	Micogel/F/beclogel	
3.	Pirox Gel/Acivir/Clozole	
4.	Clobate/N/Dermadine/Medaspor Vaginal	200 MT/A
5.	Ciplox Cream/Topcort	
6.	Cofenac Gel/Actiop	
7.	Provin Zoflut/Zeroflam	
8.	Fungicip	
Nasal Sprays (Vials)		50000000 Nos./Y

Minutes of 2nd Technical Committee Meeting 3rd Meeting (2023-2024), for certification about "No Increase in Pollution Load" dtd. 9th June 2023

Production Scenario for Bulk Drugs

Sr. No.	Product Name	Existing Consent Quantity (MT/A)	Proposed Quantity in Product mix (MT/A)
1.	Acyclovir USP	0.05	0.05
2.	Valaciclovir HCL	25.50	25.50
3.	Albuterol Sulphate USP XXII	0.70	0.70
4.	Androstenediol	2.00	0.00
5.	Androstenedione	2.00	0.00
6.	Alprazolam USP	0.05	0.05
7.	Budesonide	2.00	0.00
8.	Alendronate Sodium Trihydrate	0.05	0.05
9.	Amlodipine Besylate	0.05	0.05
10.	Azithromycin	0.05	0.05
11.	Atenolol	0.05	0.05
12.	Aluminium Nicotinate	0.05	0.05
13.	16 Alpha Bromoepiandrosterone	0.05	0.05
14.	Cetirizine Dihydrochloride	1.00	1.00
15.	Levo Cetirizine Dihydrochloride	0.50	0.50
16.	Dehydroepiandrosterone	0.05	0.05
17.	Fluoxetine Hydrochloride	2.00	0.00
18.	Clarithromycin USP	0.05	0.05
19.	Cyproterone Acetate	2.00	0.00
20.	Chandonium Iodide	2.00	0.00
21.	Danazol USP/IP	8.00	8.00
22.	Doxazosin Mesylate	0.50	0.50
23.	Trazodone Hydrochloride	2.00	0.00
24.	Celinisartan	2.00	0.00
25.	Defiriprone	0.05	0.05
26.	Diclofenac Diethyl Ammonium Salt	2.00	0.00
27.	Estramustine Sodium Phosphate	0.05	0.05

Minutes of 12th Technical Committee Meeting 7th Meeting (2023-2024), for certification about "No Increase in Pollution Load" dtd. 9th June 2023

[Handwritten Signature]

[Handwritten Signature]

Sr. No.	Product Name	Existing Consent Quantity (MT/A)	Proposed Quantity in Product mix (MT/A)
28.	Felodipine Salometerol Xinafoate	0.05	0.05
29.	Finansuride	1.00	1.00
30.	Fluconazole	0.05	0.05
31.	Fluoxetine	0.05	0.05
32.	Fluticasone Propionate	0.05	0.05
33.	Guggulipid	2.00	0.00
34.	Terazosin Hydrochloride	2.00	0.00
35.	Flurbiprofen BP/USP	2.00	0.00
36.	Ketorolac Tromethamine	2.00	0.00
37.	Rafoxanide	2.00	0.00
38.	Lansoprazole	0.05	0.05
39.	Lamotrizine	0.05	0.05
40.	Lorazepam BP	0.05	0.05
41.	Leuprolide Acetate	2.00	0.00
42.	Tamsulosin Hydrochloride	0.50	0.50
43.	Mefloquine Hydrochloride	0.05	0.05
44.	Mirtazapine	0.05	0.05
45.	Metoprolol Tartrate USP	0.05	0.05
46.	Methocarbamol USP	0.05	0.05
47.	Mocloemide	0.05	0.05
48.	Pefloxacin Mesylate	1.00	0.00
49.	Montelukast	0.05	0.05
50.	Nifedioine	0.05	0.05
51.	Fenbendazole	2.00	0.00
52.	Felodipine	0.05	0.05
53.	Norfloxacin	0.05	0.05
54.	Enorflaxacin	0.05	0.05
55.	Enorflaxacin Hydrochloride	2.00	0.00
56.	Ciprofloxacin	0.05	0.05

Minutes of 1st Technical Committee Meeting 2nd sitting (2023-2024), for certification about "No Increase in Pollution Load" dtd. 9th June 2023

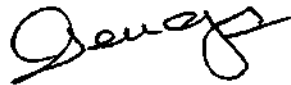



Sr. No.	Product Name	Existing Consent Quantity (MT/A)	Proposed Quantity in Product mix (MT/A)
57.	Ciprofloxacin HCL Monohydrate	0.05	0.05
58.	Ondansetron Hydrochloride Dihydrate	0.05	0.05
59.	Oxpentifylline	0.05	0.05
60.	Piroxam USP	0.05	0.05
61.	Pefloxacin	2.00	0.00
62.	Pregnenolol	0.05	0.05
63.	Troventol Hydrochloride	0.05	0.05
64.	Venlafaxine Hydrochloride	10.40	9.45
65.	Propranolol Hydrochloride IP	0.05	0.05
66.	Praziquental	1.00	1.00
67.	Ranitidine Hydrochloride/Base	0.05	0.05
68.	Roxithromysin	0.05	0.05
69.	Salbutamol Sulphate BP/IP	14.00	14.00
70.	Terbutaline Sulphate BP/USP	0.05	0.05
71.	Bambuterol Hydrochloride	0.05	0.05
72.	Trimetazidine Dihydrochloride	0.05	0.05
73.	Selegiline Hydrochloride	0.05	0.05
74.	Levo Salutamol Sulphate	4.00	4.00
75.	Terfenadine USP	0.05	0.05
76.	Telmisartan	7.00	7.00
77.	Irbesartan	0.05	0.05
78.	Rupatadine	0.05	0.05
79.	Atovaquone	0.60	0.00
80.	Defrisivox	0.05	0.05
81.	Efaverinz	0.05	0.05
82.	Torse mide	8.00	8.00
83.	Linaledomide	0.05	0.05
84.	Levo Salbutamol Hydrochloride	0.10	0.10
85.	Salbutamol	0.50	0.50

Minutes of 1st Technical Committee Meeting ~~and sitting~~ (2023-2024), for certification about "No Increase in Pollution Load" dtd. 9th June 2023

Sr. No.	Product Name	Existing Consent Quantity (MT/A)	Proposed Quantity in Product mix (MT/A)
86.	Levo Cetrizine	0.10	0.10
87.	Levetiracetam	0.05	0.05
88.	Solifinacin	0.05	0.00
89.	Escitalopram Oxalate	1.00	1.00
90.	Perindopril Erbumine	0.50	0.50
91.	Ranolazine Dihydrochloride	1.00	0.00
92.	Ranolazine	0.05	0.05
93.	Troventol	0.05	0.05
94.	Estropipette	1.00	0.00
95.	Pregablin	5.00	5.00
96.	Repiglinide	0.05	0.05
97.	Armodafinil	0.60	0.00
98.	Dorzolomide Hydrochloride	2.00	2.00
99.	Rivastigmine Hydrogen Tartrate	3.40	3.40
100.	Moxifloxacin Hydrochloride	0.05	0.05
101.	Bromonidine Tartrate	0.05	0.05
102.	Guggelsterone	0.05	0.05
103.	Gatifloxacin	0.05	0.05
104.	Variconazole	0.05	0.05
105.	Valganciclovir	0.05	0.05
106.	Rimonabant	0.05	0.05
107.	Imiquimod	0.05	0.05
108.	Sumatriptan Succinate	0.05	0.05
109.	Rizatriptan Benzaote	0.05	0.05
110.	Simvastatin	0.05	0.05
111.	Lopinavir	0.05	0.05
112.	Ciclesonide	0.05	0.05
113.	Dutasteride	1.00	1.00
114.	Tegaserod Maleate	0.75	0.00

Minutes of 1st Technical Committee Meeting 2nd sitting (2023-2024), for certification about "No Increase in Pollution Load" dtd. 9th June 2023

Sr. No.	Product Name	Existing Consent Quantity (MT/A)	Proposed Quantity in Product mix (MT/A)
115.	Exemestane	0.05	0.05
116.	Artesunate	0.50	0.50
117.	Artimether	0.50	0.50
118.	Lumefantrine	0.05	0.05
119.	Thalidomide	0.05	0.05
120.	Tolterodine Tartrate	0.80	0.80
121.	Desloratidine	0.50	0.50
122.	Lecarnadipine	0.05	0.05
123.	Olmesartan Medoxionil	0.05	0.05
124.	Valsartan	0.05	0.05
125.	Azelastin	0.05	0.05
126.	Adefovir	0.05	0.05
127.	Abacavir	0.05	0.05
128.	Saquinavir Mesylate	0.05	0.05
129.	Stavudine	0.05	0.05
130.	Zidovudine	0.05	0.05
131.	Proparacaine HCl	0.05	0.05
132.	Alfuzosin Hydrochloride	0.05	0.05
133.	Ropinirole HCl	0.05	0.05
134.	Glatiramer Acetate	0.05	0.05
135.	Irinotecan Hydrochloride Trihydrate	0.05	0.05
136.	Odesmethyllvenlafaxin	0.75	0.00
137.	Nelfinavir	0.05	0.05
138.	Zanamavir	0.05	0.05
139.	Tafamidis	0.00	0.50
140.	Rilpivirine Hydrochloride	0.00	0.50
141.	Solifenacine Succinate	0.00	2.00
142.	Mirabegron	0.00	3.00
143.	Rivaroxaban	0.00	4.50

Minutes of 2nd Technical Committee Meeting 2nd sitting (2023-2024), for certification about "No Increase in Pollution Load" dtd. 9th June 2023

Sr. No.	Product Name	Existing Consent Quantity (MT/A)	Proposed Quantity in Product mix (MT/A)
144.	Ambrisentan	0.00	1.50
145.	Darifenacin	0.00	1.00
146.	Ivabradine	0.00	0.10
147.	Lenezolid	0.00	0.10
148.	Ticagrelor	0.00	0.10
149.	Remdesivir	0.00	0.50
150.	Eliglustat Hemitartrate	0.00	0.12
151.	Efinaconazole	0.00	2.00
152.	Bosentan Monohydrate	0.00	1.00
153.	Salmeterol Xinafoate	0.00	2.50
154.	Daclatasvir	0.00	0.50
155.	Vortioxetine Hydrobromide	0.00	1.00
156.	Palonosetron Hydrochloride	0.00	0.02
157.	Bictegravir Sodium	0.00	1.75
158.	Rilpivirine Base	0.00	1.00
159.	Brexpiprazole	0.00	0.50
160.	Pirfenidone	0.00	2.00
161.	Levofloxacin	0.00	9.00
162.	Risperidone	0.00	3.50
163.	Griseofulvin	0.00	3.00
164.	R&D Product	0.00	1.00
	TOTAL PRODUCTION CAPACITY	144.00	144.00

Formulation (Tablets, Creams, Powders, Syrups, Granules) (39 nos.) with production quantity of 20000000000 No/ML, Ointment/Cream (8 nos.) with production quantity of 200 MT/A and Nasal Sprays (Vials) with production quantity of 50000000 Nos./Year. Existing consented quantity for bulk drugs is 144MTA. Proposed quantity after product mix will be 144MTA. The overall production quantity will remain same.

Minutes of 2nd Technical Committee Meeting 3rd sitting (2023-2024), for certification about "No Increase in Pollution Load" dtd. 9th June 2023




B. Pollution load Details:

(i) Water Consumption & Wastewater Aspect

➤ Before Product Mix

Sr. No.	Particular	Quantity in CMD	Effluent Segregation in CMD			ThOD (Strong)		ThOD (Weak)		TDS (Strong)		TDS (Weak)	
			Strong	Weak	Formulation	mg/l	Kg/day	mg/l	Kg/day	mg/l	Kg/day	mg/l	Kg/day
1	Water Consumption	580	Not applicable										
2	Trade Effluent Generation												
A	Process Activity	140	10	120	10	74155.0	7415.5	7415.5	889.9	48098.6	481.0	1500	180
B	Cooling Tower & Boiler	60						400	24			1500	90
C	Total	200	10	120	10	74155.0	7415.5	7815.5	913.9	48098.6	481.0	3000	270
3	Domestic Effluent Generation, CMD	60						500	30			600	36

Effluent generation: Domestic – 60CMD + Industrial – 140CMD i.e., Total 200CMD

➤ After Product Mix:

Sr. No.	Particular	Quantity in CMD	Effluent Segregation in CMD			ThOD (Strong)		ThOD (Weak)		TDS (Strong)		TDS (Weak)	
			Strong	Weak	Formulation	mg/l	Kg/day	mg/l	Kg/day	mg/l	Kg/day	mg/l	Kg/day
1	Water Consumption	578.81	Not applicable										
2	Trade Effluent Generation												
A	Process Activity	138.6	9.9	118.7	10	73038.3	7303.8	7303.8	867.0	47651	480.6	1500	178.1
B	Cooling Tower & Boiler	60						400	24			1500	90
C	Total	198.6	9.9	118.7	10	73038.3	7303.8	7703.8	891	47651	480.6	3000	268.1
3	Domestic Effluent Generation, CMD	60						500	30			600	36

Effluent generation: Domestic – 60CMD + Industrial – 138.6CMD i.e., Total 198.6CMD

- Water Consumption will reduce by 1.19 CMD compare with earlier C to O
- Effluent generation will reduce by 1.4 CMD
- Average ThOD load will reduce by 22.9Kg/day

➤ **Treatment System**

a) **Trade Effluent:**

Industry has segregated trade effluent into high TDS (strong) & low TDS (weak) stream and provided treatment system as below.

Minutes of 1st Technical Committee Meeting 2nd sitting (2023-2024), for certification about "No Increase in Pollution Load" dtd. 9th June 2023

Strong Stream: High TDS stream is being treated in Multiple Effect Evaporator (MEE) followed by Agitated Thin Film Dryer (ATFD) and condensate treated along with weak stream.

Weak Stream: ETP having capacity 260CMD provided comprising of primary, secondary and tertiary treatment system. Treated effluent i.e., 200CMD is sent to CETP and 60CMD is recycled/reused within factory premises (in CT).

b) Domestic Effluent:

The domestic effluent will be treated in ETP and sent to CETP.

(ii) Air Emission Load

➤ **Flue Gas Emissions**

Attached to	Existing Fuel Consumption	Fuel Consumption after Change in Product Mix	Remark
DG Set -1500 KVA	PNG - 330 SCM/Hr	PNG - 330 SCM/Hr	No Change
	Biofuel - 303 Ltr/Hr	Biofuel - 303 Ltr/Hr	
	HSD - 303 Ltr/Hr	HSD - 303 Ltr/Hr	
DG Set -1010 KVA	PNG - 225 SCM/Hr	PNG - 225 SCM/Hr	No Change
	Biofuel - 205 Ltr/Hr	Biofuel - 205 Ltr/Hr	
	HSD - 202 Ltr/Hr	HSD - 202 Ltr/Hr	
DG Set -625 KVA	PNG - 225 SCM/Hr	PNG - 225 SCM/Hr	No Change
	Biofuel - 205 Ltr/Hr	Biofuel - 205 Ltr/Hr	
	HSD - 202 Ltr/Hr	HSD - 202 Ltr/Hr	

Minutes of 1st Technical Committee Meeting ~~2023~~ (2023-2024), for certification about "No Increase in Pollution Load" dtd. 9th June 2023

DG Set-125 KVA	PNG - 25 SCM/Hr	PNG - 25 SCM/Hr	No Change
	Biofuel - 20 Ltr/Hr	Biofuel - 20 Ltr/Hr	
	HSD - 20 Ltr/Hr	HSD - 20 Ltr/Hr	
Scrubber - 101	-	-	No Change
Scrubber - 102	-	-	No Change
Scrubber - 103	-	-	No Change
Scrubber - 104	-	-	No Change
Scrubber - 201	-	-	No Change
Scrubber - 301	-	-	No Change
Scrubber - 302	-	-	No Change
Scrubber-PSL/SF/SCB-01	-	-	No Change
Scrubber-48 Gans Coater	-	-	Removed
Scrubber-48 Gans Coater	-	-	Removed
Boiler	LSHS - 112.5 Ltr/Hr	-	Removed
Boiler	LSHS - 112.5 Ltr/Hr	-	Removed

Note: Industry has applied for amendment in consent vide application No. MPCB-CONSENT_AMMENDMENT-0000009602 dated 09.11.2022. Post product mix, industry has removed two boilers and two scrubbers. There will be reduction in fuel consumption by 225 Ltr/Hr. Hence, air pollution load post PM will reduce.




➤ Process Emissions control systems:

Attached to	Stack Height (m)	APCM
DG Set	7.7	Acoustic Enclosure
DG Set	6.3	Acoustic Enclosure
DG Set	5	Acoustic Enclosure
DG Set	4	Acoustic Enclosure
Scrubber - 101	9	Scrubber and Stack with Adequate height
Scrubber - 102	9	Scrubber and Stack with Adequate height
Scrubber - 103	9	Scrubber and Stack with Adequate height
Scrubber - 104	9	Scrubber and Stack with Adequate height
Scrubber - 201	9	Scrubber and Stack with Adequate height
Scrubber - 301	9	Scrubber and Stack with Adequate height
Scrubber - 302	9	Scrubber and Stack with Adequate height
Scrubber-PSL/SF/SCB-01	4.5	Scrubber and Stack with Adequate height

➤ Process Emissions details:

Parameters	Before change in product mix	After change in product mix	As per EC	Consented Limit
TPM	22.18 Mg/Nm ³	22.18 Mg/Nm ³	NA	150 Mg/Nm ³
SO ₂	15 Mg/Nm ³	15 Mg/Nm ³		-
Acid Mist	<35 Mg/Nm ³	<35 Mg/Nm ³		35 Mg/Nm ³

Minutes of Technical Committee Meeting ~~Meeting~~ (2023-2024), for certification about "No Increase in Pollution Load" dtd. 9th June 2023

(ii) Hazardous Waste Load

HW Type	Category	AS per CTO	Existing Qty.	Quantity After Product Mix	UOM	Disposal
Used or spent oil	5.1	42.0	42.0	42.0	MT/A	Sale to authorized party
Wastes or residue containing oil	5.2	6.0	6.0	6.0	MT/A	CHWTSDF/ Co-processing / Pre-processing
Process residue and wastes	28.1	300	300	300	MT/A	CHWTSDF / Co-processing / Pre-processing
Spent Catalyst	28.2	80.0	80.0	80.0	MT/A	CHWTSDF/ Co-processing / Pre-processing
Spent carbon	28.3	40.0	40.0	40.0	MT/A	CHWTSDF/ Co-processing / Pre-processing
Off Specification products	28.4	0.5	0.5	0.5	MT/M	CHWTSDF/ Co-processing / Pre-processing
Date Expired product	28.5	0.5	0.5	0.5	MT/M	CHWTSDF/ Co-processing / Pre-processing
Spent organic solvents	28.6	1560.0	1560.0	1526.5	MT/A	Sale to authorized Party/ Co-processing / Pre-processing / CHWTSDF
Empty barrels/container/liners	33.1	30.0	30.0	30.0	Nos/ M	Sale to authorized Party/ Co-processing / Pre-processing / CHWTSDF
Contaminated cotton rags or other cleaning materials	33.2	0.0	0.0	200	Kg/M	CHWTSDF/ Co-processing / Pre-processing
Chemical sludge from waste water treatment	35.3	238	238	238	MT/A	CHWTSDF/ Co-processing / Pre-processing

Minutes of 1st Technical Committee Meeting (2023-2024), for certification about "No Increase in Pollution Load" dtd. 9th June 2023

HW Type	Category	AS per CTO	Existing Qty.	Quantity After Product Mix	UOM	Disposal
Concentration or evaporation residues	37.3	50.0	50.0	48.5	MT/A	CHWTSDF/ Co-processing / Pre-processing
Conditions under E-Waste Management:						
Type of Waste	Existing Qty.		After Change in Product Mix	UoM	Disposal	
E-Waste	0.3		0.3	MT/A	Sale to Authorized Party	
Non-Hazardous Waste						
M.S. Scrap/Wooden Scrap/ S.S. Scrap/ Plastic Scrap/ Paper Scrap/ P.V.C Foil/ Aluminium Foil/ Misc. Scrap	225	225	300	MT/A	Sale to authorized party	
Plastic Drum/M.S. Drum/Corrugated Boxes/Fiber Drums	75000	75000	75000	Nos./Y	Sale to authorized party	

- Industry has applied for amendment in consent vide application No. MPCB-CONSENT_AMMENDMENT-0000009602 dated 09.112022. Post product mix, quantity of Concentration or evaporation residues will reduce from 50MTA to 48.5MTA i.e., reduction of 1.5MTA and Spent organic solvents will reduce from 1560MTA to 1526.5MTA i.e., reduction of 33.5MTA. Total reduction will be 35MT/A.

[Handwritten Signature]

[Handwritten Signature]

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:

- i. The industry has claimed that, the establishment of the said industry is in the year 1982 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 SIA/MH/IND3/74514/2018 dated 17.11.2022 wherein it is mentioned that, the provision of EIA notification 2006 are not applicable to the industry as there is no subsequent expansion beyond the consented parameters granted by MPCB. Therefore the industry requested to the committee to examine the NIPL with the consented parameters.
- ii. The Technical Committee had deliberated on the aforesaid letter;
 - a. With reference to the provisions made under the Ministry of Environment, Forests and Climate Change Notification number S.O.980 (E), dated 2nd March 2021. The MPC Boards vide office memorandum vide no BO/MPCB/AS(T)/Product-Mix/B-0233 dated 06/05.2022, the constitution of expert Technical Committee, for certification about “ No Increase in Pollution load ” for getting exemption from going through the entire EIA process.
 - b. As per the amended MoEF&CC Notification No. S.O. 980(E) dated 2nd March 2021 wherein in the original Environment Impact Assessment Notification, 2006 in paragraph 7, sub-paragraph (ii) clause (b) substituted as under:

‘(b) Existing projects (having Prior Environmental Clearance) with no increase in pollution load:

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 (v) configuration of the plant or process or operations in existing area or in areas contiguous to the existing area (for which prior environmental clearance has been granted) shall be exempt from the requirement of Prior Environmental Clearance provided that there is no increase in pollution load (derived on the basis of such Prior Environmental Clearance):

Provided that such exemption shall be applicable only consequent to

Minutes of 1st Technical Committee Meeting ~~2nd sitting~~ (2023-2024), for certification about “No Increase in Pollution Load” dtd. 9th June 2023




- A. the project proponent furnishing information regarding such changes along with no increase in pollution load certificate, from the environmental auditor or reputed institutions empanelled by the State Pollution Control Board or Union Territory Pollution Control Committee or Central Pollution Control Board or Ministry of Environment, Forest and Climate Change, as per the procedure laid down in Appendix-XIII, on PARIVESH portal as well as to the concerned State Pollution Control Board or Union Territory Pollution Control Committee.

Explanation:- For the purpose of this sub-paragraph, "Pollution load" shall be determined on the basis of multiplication of quantity and concentration of different components and parameters (as provided or referred in the Prior Environment Clearance or the Environment Impact Assessment Report (EIA) and Environment Management Plan based on which such Prior Environment Clearance has been granted), in respect of emissions, effluents or discharge, solid, industrial hazardous waste and such other parameters notified under the Environment (Protection) Rules, 1986 as amended from time to time.

4. for appendix -XIII, the following appendix shall be substituted

Appendix-XIII

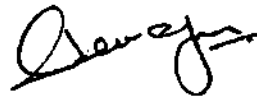
Verification of No Increase in Pollution Load;

The instant amendment in EIA Notification exempts the requirement of Prior Environmental Clearance for 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 (ii) quantities within products or (ii) number of products including new products falling in the same category or (iv) configuration of the plant or process or operations in existing area or in areas contiguous to the existing area specified in the environmental clearance of the project. This facility is available to those units which have obtained prior environmental clearance under EIA Notification, 1994 and EIA Notification, 2006.

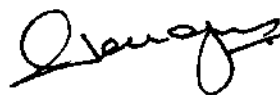
It is understood that as per the above clauses the product-mix benefit can be availed by the units who were earlier having Environmental Clearance (EC) only.

- iii. Thus , the Technical Committee is having mandate to compare/determine the pollution load on the basis of multiplication of quantity and concentration of different components and parameters (as provided or referred in the prior Environment Clearance or Environment Impact Assessment Report (EIA) and Environment Management Plan based on which such Prior Environmental Clearance has been granted), in respect of emissions, effluents or discharge, solid,

Minutes of 1st Technical Committee Meeting ~~2023-2024~~, for certification about "No Increase in Pollution Load" dtd. 9th June 2023

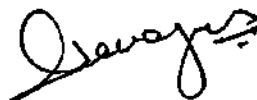
- industrial hazardous waste and such other parameters notified under the Environment (Protection) Rules, 1986 as amended from time to time .
- iv. In absence of environmental clearance the committee has determined the pollution load on the basis of last Consent to Operate certificate issued by the Board vide no Format 1.0/CAC/UAN No.0000131364/CR/2209001232 dated 19/09/2022.
 - v. **Production;**
 - Industry is engaged in manufacturing of 164 main products with total quantity of 144MTA, Formulation (Tablets, Creams, Powders, Syrups, Granules) (39 nos.) with production quantity of 20000000000 No/M, Ointment/Cream (8 nos.) with production quantity of 200 MT/A and Nasal Sprays (Vials) with production quantity of 50000000 Nos./Year.
 - The quantities of various products shall be reduced/removed by 41.7MTA whereas addition of various product quantities shall be to the tune of 41.7MTA. Thereby, there will be No Change in the overall production capacity as granted in the earlier consent.
 - vi. **Water consumption;**
 - Water Consumption After Product Mix – CMD Thus, after product mix, Water consumption will be reduced by 1.19 CMD.
 - vii. **Waste Water pollution load ;**
 - Trade effluent generation & organic load will be reduced after product mix by 1.4CMD and 22.9Kg/Day respectively.
 - viii. **Air emission load;**
 - There will be removal of two boilers and two scrubbers resulting in the air pollution reduction.
 - ix. **Hazardous waste load;**
 - The overall Hazardous waste quantity after product mix will be reduced by 35MT/A
 - x. The overall pollution load is not increased after change in product – mix

Technical Committee Decision: Though the Technical Committee is having mandate to compare/determine the “pollution load” on the basis of prior Environment Clearance, in absence of the same and on the request of project proponent, the committee has decided to determine the “pollution load” on the basis of last Consent to Operate certificate issued by the Board vide no Format 1.0/CAC/UAN No.0000131364/CR/2209001232 dated 19/09/2022 and come to conclusion that, there is “no increase in the pollution load”. However, this facility is available to those units which have obtained prior environmental clearance under EIA Notification, 1994 and EIA Notification, 2006.

In view of this, the Technical Committee decided that, it will be appropriate to seek guidance from to MoEF & CC / Sate Govt. regarding this Product-mix applicant 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 the valid consent to Operate (CTO) for getting exemption from going through the entire EIA process.

The Technical Committee further decided to defer the case till receipt of guidance from the MoEF & CC / Sate Govt, with a liberty that PP may pursue in this regard with MoEF&CC.



Agenda item No	Item no 2
Proposal No.	MPCB-CONSENT-0000167460
Project Details	M/s. FINE ORGANIC INDUSTRIES LIMITED Plot no. N-42/1, Additional MIDC, Ambernath-(e), Dist: Thane
NIPL Certificate	NIPL certificate issued by Goldfinch Engineering Systems Pvt. Ltd. dated
Name of the industry representative present.	Dr.N Daripkar, Dy.G.M

Introduction:

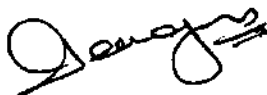
This has reference to the online proposal submitted vide No. UAN No. MPCB-CONSENT-0000167460 Plot No. N-42/1, Additional MIDC, Ambernath-(E), Dist. Thane along with the copies of documents seeking amendment in existing consent to operate under change in product mix under the provision of EIA Notification 2006 amended on 23/11/2016 and 02/03/2021. Industry has obtained consent to operate on 19.09.2022 and requested for amendment in consent to operate under change in product mix.

Exiting Clearances:

1. Environmental clearance SEIAA-EC0000000257 was issued for the said facility on 26.04.2018.
2. Consent to operate vide No: Format1.0/BO/CAC-Cell/UAN No. 0000067688/O/6th CAC-1908000146 valid up to 30/06/2024.
3. Industry has submitted proposal on PARIVESH portal on 18.05.2023 Single Window No (SW/2567/2023)

The industry along with the empanelled environmental auditor by the Board has given the presentation regarding NIPL proposal before the committee and gist of the presentation is as follows;

Minutes of ² Technical Committee Meeting ~~2nd sitting~~ (2023-2024), for certification about "No Increase in Pollution Load" dtd. 9th June 2023

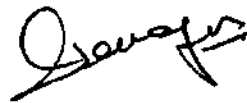
Project details:

A. Products with change in product mix as below:

Sr no.	Product Name	UOM	EC Quantity	Existing Production quantity	Addition (+)/Deletion (-)	Proposed Production quantity
1.	Fatty Amides (Primary & Secondary Amides of Fatty Acids)	MT/A	20004	20000	+10000	30000
2.	Distilled Mono Glycerides of Fatty Acid	MT/A	7500	7500	+7500	15000
3.	Specialty Fatty Acids Esters (Mixed Speciality Esters of Fatty Acids)	MT/A	20004	20000	-10000	10000
4.	Di & Tri Glycerides of Fatty Acid,	MT/A	150	150	+150	300
5.	By Product:- Aqueous Ammonia (Ammonia Liquor)	MT/A	4200	4200	+1536	5736
	Total	MT/A	51858	51850	+9168	61036

Change in the product mix in its existing facility is achieved by decreasing production capacity of 1 existing product & increasing Production capacity of 4 Existing Products.

- **The proposed activity the total production capacity will be increased from 51850 MT/A to 61036 MT/A i.e., 9168 MT/A increase in production capacity, keeping the pollution load within the consent limit.**

B. Pollution load Details:

(i) Water & Wastewater Aspect

➤ Before Product Mix

Sr. No.	Particulars	Quantity, CMD										
1	Water Consumption	150										
2	Trade Effluent Generation											
Sr. No	Particular	Total Flow, CMD	Flow, CMD		COD				TDS			
			Strong	Weak	Strong		Weak		Strong		Weak	
					mg/l	Kg/day	mg/l	Kg/day	mg/l	Kg/day	mg/l	Kg/day
a	Process Activity	0.6	0	0.6	0	0	200000	114.4	0	0	0	0
b	Cooling Tower & Boiler, Washing Activity	24	0	24	0	0	200	4.8	0	0	2333	28.8
Total (Trade)		24.6	0	24.6	0	0	4852	119.2	0	0	2333	28.8
c	Domestic Effluent Generation, CMD	10	0	10	0	0	600	6	0	0	600	6
Grand Total		34.6	0	34.6	0	0	3622	125.2	0	0	1006	34.8

Minutes of 1st Technical Committee Meeting 2nd sitting (2023-2024), for certification about "No Increase in Pollution Load" dtd. 9th June 2023

> After Product Mix

Sr. No.	Particulars	Quantity, CMD										
1	Water Consumption	150										
2	Trade Effluent Generation											
Sr. No	Particular	Total Flow, CMD	Flow, CMD		COD				TDS			
			Strong	Weak	Strong		Weak		Strong		Weak	
					mg/l	Kg/day	mg/l	Kg/day	mg/l	Kg/day	mg/l	Kg/day
a	Process Activity	0.3	0	0.3	0	0	200000	57.2	0	0	0	0
b	Cooling Tower & Boiler, Washing Activity	23.5	0	23.5	0	0	200	4.8	0	0	1200	28.2
Total (Trade)		23.8	0	23.8	0	0	2607	62	0	0	1185	28.2
c	Domestic Effluent Generation, CMD	10	0	10	0	0	600	6	0	0	600	6
Grand Total		33.8	0	33.8	0	0	2013	68	0	0	1012.3	34.2

PP herewith request to maintain the quantities of water consumption and effluent generation as per existing CTO i.e., 150 CMD and 35 CMD respectively.

- Water Consumption will be the same.

Minutes of 1st Technical Committee Meeting 2nd sitting (2023-2024), for certification about "No Increase in Pollution Load" dtd. 9th June 2023

- Effluent generation will reduce by 0.8 CMD.
- Average COD Load will reduce by 57.2 Kg/day.
- It is seen from the above figures that, after a change in product mix, the COD, BOD & TDS values of effluent are decreased.
- The existing ETP is treating the wastewater generated from the existing products to the consented standards. Since the wastewater generated from the proposed product mix will be reduced by 0.8 CMD and has the reduction pollution parameters viz. COD, BOD and TDS than the existing production profile, it is clear that the existing ETP is adequate to treat the wastewater generated after the change in the product mix. However, the adequacy analysis is based on the values of existing wastewater parameters as they are the same as the parameters of the wastewater generated from the proposed product mix.
- Pollution load of all parameters are calculated on the basis of worst-case scenario.

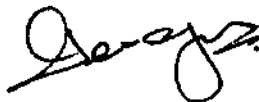
➤ **Treatment System**

a) Trade Effluent:

- Effluent Treatment Plant (ETP) of Design capacity of 25 CMD
- The generated total trade effluent from plant is being treated in a ~~conventional~~ Effluent Treatment Plant consisting of primary (collection tank, neutralization tank, primary clarifier), secondary (~~activated~~ sludge process, bio tower), tertiary (~~pressure sand~~ filter & Activated carbon filter) followed by ATFD.
- Unit is ZLD, 100% Treated effluent is being recycled in utility. There shall be no discharge on land or outside factory premises.

b) Domestic Effluent:

- Domestic effluent (10 CMD) is being treated separately in Sewage Treatment Plant of designed capacity 10 CMD.

(ii) Air Emission Load:

Sr. No.	Stack Attached to	Existing Fuel Consumption EC	Existing Fuel Consumption CTO		Fuel Consumption after Change in Product Mix		APC system	Stack Height Meter
			LDO -176 Kg/hr	OR PNG: 15,000 SCMD	LDO -176 Kg/hr	OR PNG: 15,000 SCMD		
S-1	Boiler-1 (3 TPH)	Natural Gas - 13300 Nm ³ /hr OR Furnace oil-11.3 TPD #	LDO -176 Kg/hr	OR PNG: 15,000 SCMD	LDO -176 Kg/hr	OR PNG: 15,000 SCMD	Stack	35
S-2	Thermic fluid heater (3 x 20 Lakh Kcal/hr) (1TFH standby)		LDO-450 Kg/hr		LDO-450 Kg/hr		Stack	45 (each)
S-3	D G Set (500 KVA)	HSD: 200 lit / hr at rated capacity for 1 DG set	500 Kg/hr		500 Kg/hr		Stack	12
S-4	DG Set (2x1500 KVA)						Stack	30 (each)

Boiler-1 (3 TPH) was not mentioned in EC, but PP had informed to SEIAA on 14.11.2019 change in configuration of the plant for the EC condition during execution of project. CTE application was as per EC & change in configuration of the plant for the EC condition during execution of project letter.

- In the existing CTO the FO is the fuel for the boiler and Thermopack, which is already switched to the cleaner fuel LDO.
- Total PNG consumption shall not exceed 15,000 SCMD.

➤ **Flue Gas Parameter: -**

Sr. No.	Parameters:	Fuel	Before change in product-mix	After change in product-mix	MPCB Norms
1	Particulate Matter	PNG	<10mg/Nm ³	No change	<150 mg/Nm ³
2	Particulate Matter	HSD	<50 mg/Nm ³	No change	<600 Kg/Day
3	SO ₂	HSD	<16 kg/day	No change	<150 mg/Nm ³

➤ **Process stack:**

Sr. No.	Stack Attached to	APC system	Stack Height, m
1	Process Vent	Scrubber	15
2	Process Vent	Scrubber	15

- Process Vent was not mentioned in the existing CTO though they are currently available in the plant. PP requested to add these both vents in the Consent to operate.

➤ **Process Emission:**

Sr. No	Parameters	Before change in product-mix	After change in product-mix	Limit
1	Ammonia NH ₃	<07 mg/Nm ³	No Change	35 mg/Nm ³

- In current CTO it was mentioned that the level of pollutants for HCl/ Acid Mist parameters. However, HCl is neither used in process nor getting generated from the process. As PP is using ammonia as raw material in process, PP requested to give NH₃ as parameter in place of HCl/ Acid Mist.

[Handwritten Signature]

[Handwritten Signature]

(iii) **Hazardous waste load;**

Sr. No	Type of Waste	Cat. No.	As Per EC	As Per CTO	Existing Qty.	After Change in Product Mix Qty.	Disposal
1	Chemical Sludge from wastewater treatment	35.3	12 MT/A	750 Kg/M	9 MT/A	9 MT/A	CHWTSDF
2	Used or spent oil	5.1		150 Kg/M	0.6 MT/A	0.6 MT/A	Sale to authorized party / CHWTSDF
3	Chemical Sludge from wastewater treatment	35.3		1.2 MT/A	1.2 MT/A	CHWTSDF	

- **There is no change in Total hazardous waste quantity.**

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.

Minutes of ² Technical Committee Meeting ~~2nd~~ ^{3rd} sitting (2023-2024), for certification about "No Increase in Pollution Load" dtd. 9th June 2023




After due deliberations, Committee noticed that:

i. Production;

- Change in the product mix in its existing facility is achieved by decreasing production capacity of 1 existing product & increasing Production capacity of 4 Existing Products. The proposed activity the total production capacity will be increased from 51850 MT/A to 61036 MT/A i.e., 9186 MT/A increase in production capacity.
- From the manufacturing of the Fatty Amides to the tune of 20,000 TPA, actual generation of ammonia is 3856 TPA (18%). However, the quantity 4200 TPA (15%) mentioned in EC & CTO was considering the required dilution as per consumer requirement for sale. Now for CIPM actual generation of ammonia is 5736 TPA which is 18%.
- By Product:- Aqueous Ammonia (Ammonia Liquor)- 4200 MT/A mentioned in Environmental clearance as well as in Consent to Operate therefore the Technical Committee has not considered the same in Hazardous waste quantity. However, the same shall be disposed off to the actual end user as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

ii. Water consumption;

- After Change in product mix the water consumption will remains same

iii. Waste Water pollution load ;

- Trade effluent generation will be reduced by 0.8 CMD. And average COD Load will reduce by 57.2 Kg/Day.
- After a change in product mix, the COD, BOD & TDS values of effluent are decreased.

iv. Air emission load;

- Boiler-1 (3 TPH) was not mentioned in EC, but PP had informed to SEIAA on 14.11.2019 change in configuration of the plant for the EC condition during execution of project. CTE application was as per EC & change in configuration of the plant for the EC condition during execution of project letter.
- In the existing CTO the fuel used for the boiler and thermopack is PNG which is a cleaner fuel. The stand by fuel changed FO to LDO.

Minutes of 1st Technical Committee Meeting 2nd sitting (2023-2024), for certification about "No Increase in Pollution Load" dtd. 9th June 2023

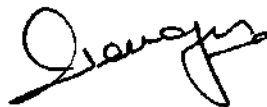



- Process Vent was not mentioned in the existing CTO though they are currently available in the plant. PP requested to add these both vents in the Consent to operate
 - In current CTO it was mentioned that the level of pollutants for HCl/ Acid Mist parameters. However, HCl is neither used in process nor getting generated from the process. As PP is using ammonia as raw material in process, PP requested to give NH₃ as parameter in place of HCl/ Acid Mist.
- v. **Hazardous waste load;**
- The overall Hazardous waste quantity after product mix will remains same.
- vi. The overall pollution load is not increased after change in product – mix

Technical Committee Decision:

Technical Committee decided to recommend the case for change in product under product mix with a compliance of the following conditions.

- (i) 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.
- (ii) Industry should not manufacture any other product for which permission is not granted by the Board.
- (iii) Industry shall ensure connectivity of OCEMS to Board server.

Agenda item No	Item no 3
Proposal No.	MPCB-CONSENT-0000163814
Project Details	M/s. Sequent Scientific Ltd. Plot no B-32, G-2 & G-3, MIDC, MAHAD, Dist: Raigad
NIPL Certificate	NIPL certificate issued by , dated
Name of the industry representative present.	Mr. Vikas Patil, Cluster Head-EHS

Introduction:

This has reference to the online proposal submitted vide No. MPCB-CONSENT-0000163814 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 23/11/2016 and 02/03/2021. Industry has obtained consent to operate on 09.05.2023 and requested for amendment in consent to operate under change in product mix.

Exiting Clearances:

1. Environmental Clearance is granted to the industry vide EC22B058MH158230 dated 11.07.2022. Consent to Operate granted vide no. Format 1.0/CC/UAN No. MPCBCONSENT0000161887/CO/2305000589 dated 09/05/2023. The validity of the existing consent is up to 30/09/2024.
2. Company has applied for change in product mix along with the renewal of CTO to MPCB vide MPCB-CONSENT-0000163814 dated 01.03.2023.
3. Industry has submitted proposal on PARIVESH portal on 20-03-2023 Single Window Clearance No. (SW/2493/2023)

The industry along with the empanelled environmental auditor by the Board has given the presentation regarding NIPL proposal before the committee and gist of the presentation is as follows;

Project details:**A. Production Details:**

Minutes of 2nd Technical Committee Meeting ~~24th June~~ (2023-2024), for certification about "No Increase in Pollution Load" dtd. 9th June 2023




Sr. No.	Product Name	Existing Quantity (MT/M)	Proposed Quantity (MT/M)	Total Quantity (MT/M)	Remarks
1	Albendazole	80	-12	68	Reduced
2	S-Methoprene	0.5	0	0.5	No Change
3	Tetramisole	0	4	4	New
OR	DMZ API	0			
4	Diclazuril Intermediate	0.5	1	2	Increased
OR	Nitroscanate	0.5			
5	Carprofen	1	5	7	Increased with one new product (Fenbendaole)
OR	Oxfendazole	0.5			
OR	Fenbendaole	0			
OR	Ricobendazole	0.5			
6	Clorsulon Intermediate	0.5	2.5	3	Increased
7	FTC	25	-10	15	Reduced
8	Nitroxynil	0	0.5	3	Increased with three new products (Nitroxynil, Levomisol HCl, Lufenuron) & one product removed (Afoxolaner)
OR	Afoxolaner	0.5			
OR	Levomisol HCL	0			
OR	Fluazuron	2			
OR	Lufenuron	0			
9	Buparvaquone	0	1.5	2	Increased with two new products (Buparvaquone, Flubendazole)
OR	Fluralaner	0.5			
OR	Flubendazole	0			
10	Sarolaner	0.5	-0.5		

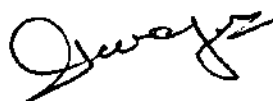
Minutes of 2nd Technical Committee Meeting ~~2023-2024~~ (2023-2024), for certification about "No Increase in Pollution Load" dtd. 9th June 2023

OR	Toldimafos sodium	0		4	Reduced in total quantity with one new product (Toldimafos Sodium) & one product removed (Fipronil)
OR	Fipronil	4			
11	Triclabendazole	0	7	7	New
OR	Butaphosphane	0			
12	R&D new development product	1	0.5	1.5	Increased
13	Solvent Distillation for recovery	75 KL/D	0	75 KL/D	No Change
Total		117.5 MT/M 75 KL/D	—	117 MT/M 75 KL/D	Slightly Reduction in total quantity of production

- The overall production quantity will be reduced by 0.5 MT/M. Maximum 26 Nos. of products shall be manufactured. Out of Total 26 numbers of product, only 12 numbers of products will be manufactured in combination at any given point of time. The overall total production quantity will not exceed 117 MT/M.

B. Pollution load Details:

- (i) **Water & Wastewater Aspect :**
 - **Before Product Mix;**

Sr. No.	Particular	Quantity in CMD	Effluent Segregation in CMD		COD (Strong)		COD (Weak)		TDS (Strong)		TDS (Weak)	
			Strong	Weak	mg/l	Kg/day	mg/l	Kg/day	mg/l	Kg/day	mg/l	Kg/day
1	Water Consumption	269.21	Not applicable									
2	Trade Effluent Generation											
A	Process Activity	75	72.5	2.5	115816	8396.7	2600	6.5	101863	7385.1	6720	16.8
B	Cooling Tower & Boiler	13.76	--	13.76	--	--	184	2.53	--	--	1618	22.26
C	Total	88.76	72.5	16.26	115816	8396.7	555	9.03	101863	7385.1	2402	39.09
3	Domestic Effluent Generation, CMD	13.6	--	13.6	--	--	650	8.84	--	--	600	8.16

➤ After Product Mix;

Sr. No.	Particular	Quantity in CMD	Effluent Segregation in CMD		COD (Strong)		COD (Weak)		TDS (Strong)		TDS (Weak)	
			Strong	Weak	mg/l	Kg/day	mg/l	Kg/day	mg/l	Kg/day	mg/l	Kg/day
1	Water Consumption	269	Not applicable									
2	Trade Effluent Generation											
A	Process Activity	73.77	71.32	2.45	95685	6824.3	2404	5.89	73822	5265.1	6159	15.09
B	Cooling Tower & Boiler	13.76	--	13.76	--	--	184	2.53	--	--	1618	22.26

C	Total	87.53	71.32	16.21	95685	6824.3	519	8.42	72622	5265.1	2304	37.35
3	Domestic Effluent Generation, CMD	13.6	---	13.6	---	---	650	8.84	--	---	600	8.16

- Water Consumption will reduced by 0.21 CMD 269.00 CMD
- Hydraulic Load will reduced by 1.23 CMD 101.13 CMD
- COD load for trade effluent will reduce by 1572.4 Kg/day
- TDS load for trade effluent will reduce by 2120.0 Kg/day

Treatment System and disposal system.

a) Trade Effluent:

Industry has segregated trade effluent into weak stream & strong stream and provided Effluent Treatment Plant (ETP) comprising of;

- **Strong COD/TDS stream of 71.32 CMD:** Treatment system comprising of Primary (Collection tank, Neutralization tank, Equalization tank, Flash mixer, Primary Clarifier/Primary Settling Tank) - Stripper, Reverse osmosis, Multi effect evaporator followed by ATFD. The distillate is maximum recycled to various purposes & remaining send to CETP.
- **Weak COD/TDS stream of 16.21 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). The treated effluent is maximum recycled to various purposes & remaining send to CETP.

b) Domestic Effluent:

The domestic effluent is treated in effluent treatment plant.

- Total effluent will be 101.13 CMD, out of which 82.63 CMD will be recycled and remaining 18.5 CMD will be sent to the CETP.

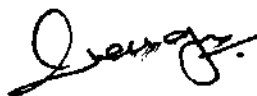
Minutes of 2nd Technical Committee Meeting 2nd sitting (2023-2024), for certification about "No Increase in Pollution Load" dtd. 9th June 2023

(ii) Air Emission Load

Sr. No.	Source	Fuel	Before Product Mix	Product Mix	After Product Mix	Remark
1	Boiler- 3TPH (02 Nos. One used as a standby)	Coal	950 Kg/Hr		950 Kg/Hr	No change
		Briquettes	750 Kg/Hr		750 Kg/Hr	
2	Thermopack (4.0 Lac Kcal/Hr)	Briquettes	50 Kg/Hr		50 Kg/Hr	No change
3	Thermopack (2.0 Lac Kcal/Hr)	LDO	25 Ltr/Hr		25 Ltr/Hr	No change
4	D.G. Set-I (500 KVA)	HSD	200 Ltr/Hr		200 Ltr/Hr	No change
5	D.G. Set-II (500 KVA)		200 Ltr/Hr		200 Ltr/Hr	
6	Diesel Engine Fire pump		16 Ltr/Hr		16 Ltr/Hr	

(iii) Hazardous Waste Load

Sr. No.	Description	Category No.	UOM	Before Product Mix	After Product mix	Remark
1	Used / Spent Oil	5.1	MT/A	0.5	0.5	No change
2	Spent organic solvents	28.6	MT/A	1166.4	1106.64	Reduced
3	Distillation residues	20.3	MT/A	600	419.88	Reduced
4	Chemical sludge from waste water treatment	35.3	MT/A	128	128	No change
5	Exhaust Air or Gas cleaning residue	35.1	MT/A	50	50	No change

6	Filter and filter material which have organic liquid	36.2	MT/A	1.8	1.8	No change
7	Concentration or evaporation residues	37.3	MT/A	1150	1085.76	Reduced
8	Spent Acetic acid	26.3	MT/A	516	513.6	Reduced
9	Spent catalyst	28.2	MT/A	1	0	--
10	Spent carbon	28.3	MT/A	24	18	Reduced
11	Process waste	28.1	MT/A	-	0.84	New
Total			MT/A	3637.7	3325.02	Reduced by 312.68 MT/A

- Previously process waste category not reflected in EC whereas spent catalyst reflected. Actual scenario is there is generation of process waste instead of spent catalyst. Total generation of hazardous waste is within the EC limit.

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 was discussed. Existing Consent to Operate, Environmental Clearance, NIPL Certificate issued by M/s. Sadakar Enviro Engineers Pvt. Ltd. and Product – Mix Proforma are taken on the record.




After due deliberations, Committee noticed that:

- i. **Production:** Industry has applied for Change in Product Mix with no increase in the production quantity. The total production quantity will be slightly reduced i.e 0.5 MT/M. Total quantity after product mix is. 117 MT/ M.
- ii. **Water consumption,** Waster Consumption will remain same after product mix.
- iii. **Waste Water pollution load ;**
 - Waste water generation will remain same after product mix.
 - COD load will reduce by 1572.4 Kg/day and TDS load will reduce by 2120 Kg/day
 - Committee noticed that, industry have segregated effluent into strong and weak stream.
- iv. **Air emission load;**
 - There will not be any change in Air Emission load as no additional boiler, process stack, DG set, etc. has been proposed.
- v. **Hazardous waste load;**
 - Previously process waste category not reflected in EC whereas spent catalyst reflected. Actual scenario there is generation of process waste instead of spent catalyst. Total generation of hazardous waste is within the EC limit. After product mix H.W. quantity reduced by 312.68 MT/A.
- vi. The revised proposal received from PP has been circulated to the committee members the same were found in order hence considered.
- vii. The overall pollution load is not increased after change in product – mix.

Technical Committee Decision:

Technical Committee decided to recommend the case for change in product under product mix with a compliance of the following conditions.

- (i) 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.
- (ii) Industry should not manufacture any other product for which permission is not granted by the Board.
- (iii) Industry shall ensure connectivity of OCEMS to Board server.

Minutes of ² Technical Committee Meeting ~~2023-2024~~ (2023-2024), for certification about "No Increase in Pollution Load" dtd. 9th June 2023




Agenda item No	Item no 4
Proposal No.	MPCB-CONSENT-0000155088
Project Details	M/s. Zydus Takeda Healthcare Pvt. Ltd. Plot no C-4, MIDC, Village Pawane, Navi Mumbai Dist: Thane
NIPL Certificate	NIPL certificate issued by , dated
Name of the industry representative present.	Mr. Prakash Kadam, HOD, EHS, Mr Indrajeet Dahale, Factory Manager

Introduction:

This has reference to the online proposal submitted vide No. MPCB-CONSENT-0000155088 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 23/11/2016 and 02/03/2021. Industry has obtained consent to operate on 09.05.2023 and requested for amendment in consent to operate under change in product mix.

Exiting Clearances:

1. EC from MoEFCC, New Delhi vide letter no. F. No. J-11011/372/2008-IA-II(I) dated January 30,2009.
2. Consent to Operate from MPCB vide RED/L.S.I (R58) No: Format1.0/CAC/UAN No.0000113139/CO/2202001267 dated 20/02/2022 valid upto 30/04/2026.
3. Industry has submitted proposal on PARIVESH portal on 15.05.2023 Single Window Clearance No. (SW/ 130443/2023)

The industry along with the empanelled environmental auditor by the Board has given the presentation regarding NIPL proposal before the committee and gist of the presentation is as follows;

Minutes of 1st Technical Committee Meeting 2nd sitting (2023-2024), for certification about "No Increase in Pollution Load" dtd. 9th June 2023

[Handwritten Signature]

[Handwritten Signature]

Project details:

A. Production Details:

Sr. No.	Product	EC Quantity MT/M	Existing Quantity as per CTO, MT/M	Addition (+)/ Deletion (-), MT/M	Quantity Proposed /After Product Mix, MT/M
1	5-Difluoromethoxy-2-Mercapto-1H-Benzimidazole (KSM-6)	6.25	3.83	- 0.92	2.91
2	2-Chloromethyl-3-4-dimethoxy pyrimidine Chloride (KSM-14)	6.25	3.83	- 0.92	2.91
3	Pantoprazole Sodium Sesquihydrate	6.25	5.25	+0.5	5.75
4	Urapidil	1.25	1.67	+0.42	2.09
5	Urapidil Hydrochloride	0.07	0.11	-0.04	0.07
6	Policresulen 50% W/W Solution	5	3.75	0	3.75
7	Podophyllotoxin	0.0007	0.003	-0.0008	0.002
8	Lornoxicam	0.21	0.17	+0.17	0.34
9	Suxamethonium Chloride	0.25	0.13	0	0.13
10	Aprindine Hydrochloride	0.08	0.08	-0.07	0.01

Minutes of 2nd Technical Committee Meeting ~~2023~~ (2023-2024), for certification about "No Increase in Pollution Load" dtd. 9th June 2023

11	Alogliptin Banzoate	-	1.73	+0.61	2.34
12	5-(2-Fluorophenyl)-1-(pyridin-3-ylsulfonyl)-1H-pyrrole-3-Carbaldehyde (PSPA)	-	3.33	+0.83	4.16
13	Pantoprazole Hemimagnesium Monohydrate	-	0.25	0	0.25
14	Azilosartan Medoxomi Potassium	-	2.91	-0.58	2.33
15	Methyl-3-((1-cyclohexyl-4-oxo-8-(4-oxo-4-phenylbutyl)-1,3,8-triazaspiro [4.5]decan-3-yl)methyl)benzoate (TAK-906)	-	0.042	-0.042	0
16	Methyl (2R,3S)-3-(methane sulfonamido)-2-[(4-phenyl cyclohexoxy)-methyl] piperidine-1- carboxylate (TAK-925)	-	0.042	-0.042	0
17	(4-Benzyl-4-hydroxypiperidin-1-yl) (2- (pyridin-4-yl) pyridin-3yl) methanone (TAK-935)	-	0.042	-0.042	0
18	N-{2-[(2,3',5'-Trifluorobiphenyl-3-yl)methyl] pyrrolidin-3yl} methanesulfonamide (TAK-994)	-	0.042	-0.042	0
	Total Production	25.6107	27.211	-0.1688	27.042

Minutes of Technical Committee Meeting 21st Meeting (2023-2024), for certification about "No Increase in Pollution Load" dtd. 9th June 2023

Pollution load Details

- (i) **Water & Wastewater Aspect:**
 > **Before Product Mix**

Sr. No.	Particulars	Quantity in CMD										
1	Water Consumption	434										
2	Trade Effluent Generation											
Sr. No	Particular	Total Flow, CMD	Flow, CMD		COD				TDS			
			Strong	Weak	Strong		Weak		Strong		Weak	
					mg/l	Kg/day	mg/l	Kg/day	mg/l	Kg/day	mg/l	Kg/day
a	Process & Washing Activity	122.1	42.1	80	17294.53	728.1	800	32	99543.94	4190.8	1200	48
b	Cooling Tower & Boiler & Scrubber	77.5	0	77.5	0	0	800	62	0	0	1200	93
Total (Trade)		199.6	42.1	157.5	17294.53	728.1	1600	94	99543.94	4190.8	2400	141
c	Domestic Effluent Generation, CMD	25	25		0	0	150	3.75	0	0	250	6.25

Minutes of ² Technical Committee Meeting ~~2023-2024~~ (2023-2024), for certification about "No Increase in Pollution Load" dtd. 9th June 2023

➤ After Product Mix:

Sr. No.	Particulars	Quantity in CMD										
1	Water Consumption	432										
2	Trade Effluent Generation											
Sr. No	Particular	Total Flow, CMD	Flow, CMD		COD				TDS			
			Strong	Weak	Strong		Weak		Strong		Weak	
					mg/l	Kg/day	mg/l	Kg/day	mg/l	Kg/day	mg/l	Kg/day
a	Process & Washing Activity	119.1	39.1	80	17795.39	695.8	800	32	98994.88	3870.7	1200	48
b	Cooling Tower & Boiler & Scrubber	77.5	0	77.5	0	0	800	62	0	0	1200	93
Total (Trade)		196.6	39.1	157.5	17795.39	695.8	1600	94	98994.88	3870.7	2400	141
c	Domestic Effluent Generation, CMD	25	25		0	0	150	3.75	0	0	250	6.25

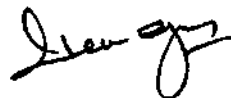
Minutes of 1st Technical Committee Meeting ~~9th sitting~~ (2023-2024), for certification about "No Increase in Pollution Load" dtd. 9th June 2023

[Signature]

[Signature]

Waste water Treatment & mode of disposal System

- **Segregation of concentrated streams and its disposal;**
Industry has provided Multi Effect Evaporator followed by ATFD for treatment of high TDS/COD effluent.
- **Effluent treatment facilities provided;**
The industry have segregated trade effluent into weak stream & strong stream and provided Effluent Treatment Plant (ETP) comprising of:
 - **Strong COD/TDS stream of 39.1 CMD** - Treatment system comprising of Primary (Primary after treatment) , Multi effect evaporator (3 stage) followed by ATFD. The MEE condensate is treated in weak stream ETP.
 - **Weak COD/TDS stream of 157.6 CMD** - Treatment system comprising of Primary (Collection tank, Neutralization tank, Equalization tank, Flash mixer, Primary Clarifier/Primary Settling Tank), Secondary (Activated sludge process), Tertiary (MEE & ATFD) with design capacity of 180 CMD.
 - Disposal: The treated effluent is being discharged to CETP after confirming above MPCB standards.
- **Proposal to achieve “Zero Liquid Discharge”. With technical justification and feasibility.**
- **Domestic Effluent:**
- **Sewage treatment facilities provided and its disposal**
Sewage generated will be 25 KLD which will remain same after product mix. Currently, the generated sewage is treated in ETP of design capacity 180 CMD comprising of Primary (Collection tank, Neutralization tank, Equalization tank, Flash mixer, Primary Clarifier/Primary Settling Tank), Secondary (Activated sludge process), Tertiary (MEE & ATFD). The treated effluent is being discharged to CETP after confirming above MPCB standards.

(ii) Air Emission Load & APCs:

a) From Fuel Burning /flue gas emission

Sr. No.	Source	Type of Fuel	Before Product Mix (Kg/hrs)	After Product Mix (Kg/hrs)	Remark
1.	Boiler (2x 5 TPH)	Furnace Oil/ Natural Gas + PNG	385 kg/hr + 400 SCM/hr	385 kg/hr + 400 SCM/hr	No Change
2.	DG Set (1000 kVA)	HSD	230 Kg/hr	230 Kg/hr	No Change
3.	Fire Hydrant Pump	HSD	15 Kg/hr	15 Kg/hr	No Change
4.	DG Set (1500 kVA)	HSD	290 Kg/hr	290 Kg/hr	No Change

b) Process emissions;

Sr. No.	Name of Gas	Before Product Mix (Kg/Day)	After Product Mix (Kg/Day)
1	Hydrogen	91.22	69.28
2	Ammonia	10.76	13.28
3	Carbon Dioxide	47.88	48.83
4	Freon	11.52	8.76
5	Hydrogen Chloride	97.75	127.08
6	Hydrogen Sulfide	35.49	27
7	Oxygen	70.14	57.52
8	Sulfur Dioxide	129.89	116.69


Minutes of 1st Technical Committee Meeting 2nd sitting (2023-2024), for certification about "No Increase in Pollution Load" dtd. 9th June 2023




(iii) Hazardous Waste Load

Sr. No.	Type of Waste	Category (As per Schedule)	Source of Generation	Generation		Mode of Storage	Mode of Treatment & Disposal	Remark
				Existing	After Change in Product Mix			
1.	Used/Spent Oil	5.1	DG set & machinery	2 MT/A	2 MT/A	HDPE Barrel	Authorized Recycler	No Change
2.	Distillation Residue	20.3	Process	3412 MT/A	3038 MT/A	HDPE Drum	CHWTSDF/ Sale to Authorized Recycler	Reduce by 374 MT/A
3.	Spent Organic Solvent	20.2	Process	4200 MT/A	4100 MT/A	HDPE Drum	CHWTSDF/ Sale to Authorized Recycler	Reduce by 100 MT/A
4.	Process waste & Residue	28.1	Production process	41 MT/A	41 MT/A	HDPE Drum	CHWTSDF/ Sale to Authorized Recycler	No Change
5.	Spent Carbon	28.3	Production process	42.3 MT/A	33.04 MT/A	HDPE Barrel	CHWTSDF/ Sale to Authorized Recycler	Reduce 9.26 MT/A
6.	Date – Expired discarded & off specification	28.4	Finished product	20 MT/A	20 MT/A	HDPE Barrel	CHWTSDF	No Change
7.	Chemical containing residue from decontamination and disposal	33.1	Production process	100 MT/A	100 MT/A	At designated area	CHWTSDF/ Treatment in ETP	No Change

Minutes of 1st Technical Committee Meeting 9th sitting (2023-2024), for certification about "No Increase in Pollution Load" dtd. 9th June 2023

8.	Sludge from ETP	34.2	ETP Treatment	100 MT/A	100 MT/A	HDPE Bags	CHWTSDF	No Change
9.	Discarded containers	33.1	After use of chemical	244 MT/A	244 MT/A	At designated area	Sale to authorized party recycling	No Change
10.	Scrubber blow down effluent	-	Scrubber effluent	2128 MT/A	2128 MT/A	HDPE Bags	CHWTSDF	No Change
11.	Chemical Sludge from ETP/TEE	35.3	ETP Plant	1508.7 MT/A	1393.45 MT/A	HDPE Bags	CHWTSDF	Reduce by 115.25 MT/A
12.	Contaminated Filter Bags	33.2	Filter Bags	3 MT/A	3 MT/A	At designated area	CHWTSDF	No Change
13.	Spent Catalyst	28.2	Process	6 MT/A	6 MT/A	HDPE Drum	Sale to authorize recycler /reprocessor / CHWTSDF	No Change
14.	Spent ion exchange resin	35.2	Process	2 MT/A	2 MT/A	HDPE Drums	CHWTSDF	No Change
15.	E-Waste	-	From Unit	2 MT/A	2 MT/A	At designated area	MPCB approved E-waste recycler	No Change
16.	Bio-Medical Waste	-	From Unit	2 MT/A	2 MT/A	Colour coded Bags or Bins	Authorized Bio-medical disposal facility	No Change

Minutes of ¹² Technical Committee Meeting ~~2023-2024~~ (2023-2024), for certification about "No Increase in Pollution Load" dtd. 9th June 2023

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 was discussed. Existing Consent to Operate, Environmental Clearance, NIPL Certificate issued by M/s. Sadekar Enviro Engineers Pvt. Ltd. and Product – Mix Proforma are taken on the record.

After due deliberations, Committee noticed that:**i. Production:**

- The total production capacity i.e. 326.5 MT/Annum will remain same. Industry has proposed deletion of 4 nos. of consented products and alteration in production capacities of consented product as per market demand. There is no addition of any new product.

ii. Water consumption,

- Water Consumption After Product Mix – 432 KLD
- Thus, after product mix, Water consumption will be reduced by 2 KLD.
- Water Consumption will remain same after product mix.

iii. Waste Water pollution load ;

- Total effluent generation including Domestic sewage before product Mix – 224.6 KLD
- Total effluent generation including Domestic sewage after product Mix – 221.6 KLD
- Thus, after product mix, Effluent Generation will be reduced by 3 KLD
- Committee noticed that, industry have segregated effluent into strong and weak stream.

iv. Air emission load;

- There will not be any change in Air Emission load as no additional boiler, process stack, DG set, etc. has been proposed.

v. Hazardous waste load;

There will be reduction in quantity of some of the wastes as mentioned in the above Table viz. –

- Cat. No 20.3 – Distillation Residue reduced by 374 MT/A

Minutes of ² Technical Committee Meeting ~~2023-2024~~ (2023-2024), for certification about "No Increase in Pollution Load" dtd. 9th June 2023

- Cat. No 20.2 – Spent Solvent reduced by 100 MT/A
- Cat. No 28.3 – Spent Carbon reduced by 9.26 MT/A
- Cat. No 35.3 - Chemical Sludge from ETP/TEE reduced by 115.25 MT/A
- Rest all Hazardous waste quantities remain unchanged.

vi. The revised proposal received from PP has been circulated to the committee members the same were found in order hence considered.


vii. The overall pollution load is not increased after change in product – mix.

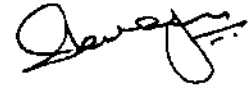
Technical Committee Decision:

Technical Committee decided to recommend the case for change in product under product mix with a compliance of the following conditions.

- 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.
- Industry should not manufacture any other product for which permission is not granted by the Board.
- Industry shall ensure connectivity of OCEMS to Board server.

The meeting ended with vote of thanks to Chair.


(Shri. N. N. Gurav)
RO (BMW)
& Member-Convener of Committee


(Dr. J.B. Sangewar)
Asst. Secretary (Tech.)
& Chairman of the Committee