Minutes of 1st Technical Committee Meeting 2nd sitting (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-1, Environment department, GoM, 2) Shri.Bharat Kumar Sharma, Regional Director, CPCB and 3) Representative nominated by director NCL Pune, 4) Mr. M.P.Patil, Chief Scientist & Head(HWMD) Representative nominated by director NEERI and 5) 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 4th meeting of the Technical Committee (2022-23) 1st sitting were confirmed, thereafter Committee deliberated on the agenda items placed and following decisions were taken.

Agenda item No	**Item no 1**
Proposal No.	MPCB-CONSENT-0000163874
Project Details	**M/s. Cipla Limited [Unit 2]** Plot No. D-27, MIDC Kurkumbh, Tal: **Daund**, Dist: Pune
NIPL Certificate	NIPL certificate issued by Techknowgreen Solutions Limited, dated 25.02.2023

Introduction:

This has reference to the online proposal submitted vide No. MPCB-CONSENT-0000163874 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 07.05.2022 and requested for amendment in consent to operate under change in product mix.

Exiting Clearances:

1. Environmental Clearance is obtained with vide No. J-11011/368/2006-IA- II (I) dated 31.07.2007
2. Consent to operate obtained with vide No. Format1.0/CAC/UAN No. 0000118891/CO/2205000394 dated 07.05.2022 valid for the period up to 30.04.2025
3. Industry has submitted proposal on PARIVESH portal on 09.04.2023 Single Window Clearance No. (SW/2515/2023)

➢ The industry has given the presentation regarding NIPL proposal before the committee and gist of the presentation is as follows;

Project details:

A. Production Details:

Sr. No.	Name of product	EC Quantity Granted	Existing Consent quantity Before Product Mix (MT/A)	Proposed quantity after change in product mix (MT/A)
1.	Anti-Retroviral: Darunavir Ethanolate	320	3.00	3.00
2.	Anti-Retroviral: Tenofovir Disoproxil Fumarate		50.30	8.70
3.	Anti-Retroviral: Darunavir Hydrate		3.00	3.00
4.	Anti-Retroviral: Efavirenz		8.00	8.00
5.	Anti-Retroviral: Atazanavir Sulphate		9.00	3.00
6.	Anti-Retroviral: Dolutegravir Sodium		1.00	1.00
7.	Anti-Inflammatory/Proton Pump Inhibitors: Esomeprazole Magnesium Dihydrate		3.00	10.00
8.	Anti-Inflammatory/Proton Pump Inhibitors: Esomeprazole Potassium (Intermediate)		6.00	20.00
9.	Anti-Inflammatory/Proton Pump Inhibitors: Celecoxib		2.00	0.30
10.	Anti-Diabetic: Vildagliptin		2.70	0.10
11.	Anti-Bacterial/Anti-Fungal: Terbinafine Hydrochloride		2.00	0.30
12.	Anti-Psychotic/Anti-Convulsant/Anti-Depressant: Lamotrigine		1.00	0.50
13.	Anti-Psychotic/Anti-Convulsant/Anti-Depressant: Citalopram Hydrobromide		26.00	22.00
14.	Anti-Hypertensive/Anti-Anginal: Trimetazidine Dihydrochloride		6.00	6.00

Sr. No.	Name of product	EC Quantity Granted	Existing Consent quantity Before Product Mix (MT/A)	Proposed quantity after change in product mix (MT/A)
15.	Anti-Hypertensive/Anti-Anginal: Losartan Potassium		1.00	0.10
16.	Anti-Hypertensive/Anti-Anginal: LSR Acid (Intermediate of Losartan)		6.00	0.50
17.	Remdesivir		2.00	0.20
18.	Amlodipine Besylate		3.00	1.00
19.	Omeprazole Sodium		1.00	0.07
20.	Omeprazole		15.00	1.00
21.	Pantoprazole Sodium sesquihydrate		3.00	0.46
22.	Amlodipine Mesylate Monohydrate		3.00	1.00
23.	Topiramate		1.00	0.50
24.	Lansoprazole		1.00	0.88
25.	Nirmatrelvir		1.00	1.00
26.	Esomeprazole Magnesium Trihydrate		0.00	0.45
27.	Felodipine		0.00	1.00
28.	Donepezil Hydrochloride		0.00	0.54
29.	Linagliptin		0.00	0.09
30.	Apremilast		0.00	0.07
31.	Anagrelide Hydrochloride		0.00	0.01
32.	Granisetron Base		0.00	0.04
33.	L Glutamine		0.00	2.50
34.	Nintedanib		0.00	0.10

Sr. No.	Name of product	EC Quantity Granted	Existing Consent quantity Before Product Mix (MT/A)	Proposed quantity after change in product mix (MT/A)
35.	Lenacapavir		0.00	1.00
36.	O1 Compound		0.00	44.00
37.	Amlodipine		0.00	2.28
38.	Flocrotonate		0.00	1.50
39.	Feloacrylate		0.00	0.90
40.	Donepezil		0.00	0.55
41.	N-BOC Linagliptin		0.00	0.28
42.	APT Sulphonamine Leucine Salt		0.00	0.50
43.	Anagrelide		0.00	0.50
44.	Salcaprozate Sodium		0.00	1.00
45.	Potassium Phosphate Monobasic		0.00	1.00
46.	Potassium Phosphate Dibasic		0.00	1.00
47.	Darunavir		0.00	8.00
	Total	**320**	**160.00**	**160.00**

- **Existing consented quantity is 160MTA. Proposed quantity after product mix will be 160MTA. The overall production quantity will remain same i.e., 160MTA.**

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	mg/l	Kg/day	mg/l	Kg/day	mg/l	Kg/day	mg/l	Kg/day
1	Water Consumption	299.57	Not applicable									
2	**Trade Effluent Generation**											
A	Process Activity	107.47	15	92.47	107023.5	1605.5	10702.35	993	38929.6	583.9	1500	139.2
B	Cooling Tower & Boiler	7.2					400	2.9			1500	10.6
C	Total	114.67	15	92.47	107023.5	1605.5	11102.35	995.9	38929.6	583.9	3000	149.8
3	Domestic Effluent Generation, CMD	35					500	17.5			600	21

- **Effluent generation: Domestic – 35CMD + Industrial – 114.67CMD**

After Product Mix:

Sr. No.	Particular	Quantity in CMD	Effluent Segregation in CMD		ThOD (Strong)		ThOD (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	298.63	Not applicable									
2	**Trade Effluent Generation**											
A	Process Activity	106.51	14.97	91.54	106137.7	1589.3	10613.7	975	38861.8	582.9	1500	138.7
B	Cooling Tower & Boiler	7.2					400	2.9			1500	10.6
C	Total	**113.71**	**14.97**	**91.54**	**106137.7**	**1589.3**	**11013.7**	**977.9**	**38861.8**	**582.9**	**3000**	**149.3**
3	Domestic Effluent Generation, CMD	35					500	17.5			600	21

- **Effluent generation: Domestic – 35CMD + Industrial – 113.71CMD i.e., Total 148.71CMD (EC permitted quantity - 355CMD)**
- Water Consumption will reduce by 0.94 CMD compare with earlier C to O
- Effluent generation will reduce by 0.96 CMD
- Average ThOD load will reduce by 18.4Kg/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.

- **Strong Stream:** High TDS stream is being treated in Multiple Effect Evaporator (MEE) followed by Agitated Thin Film Dryer (ATFD) and condensate taken back to ETP and treated along with weak stream.
- **Weak Stream:** ETP having capacity 150CMD provided comprising of primary, secondary and tertiary treatment system and treated effluent is being used for secondary purposes.

b) Domestic Effluent:

The domestic effluent will be treated in the STP of 35CMD Capacity.

(ii) Air Emission Load

Flue Gas Emissions

Attached to	Existing Fuel Consumption	Fuel Consumption after Change in Product Mix	Remark
Boiler 1 & 2 (02 TPH each)	PNG 3.4 SCM/Hr	PNG 3.4 SCM/Hr	No Change
	LSHS 5.12 KL/D	LSHS 5.12 KL/D	
Thermopack (2.0 Lakh Kcal/hr)	Diesel 7.5 KL/M	Diesel 7.5 KL/M	No Change
API-I Production Block Process Vent No.201	-	-	-
API-I Production Block Process Vent No. 202	-	-	-
API-I Production Block Process Vent No. 401	-	-	-
DG Set	HSD 30 KL/M	HSD 30 KL/M	No Change

Process Emissions control systems:

Attached to	Stack Height (m)	APCM
Boiler 1 & 2 (02 TPH each)	30	Stack with Adequate height
Thermopack (2.0 Lakh Kcal/hr)	30	Stack with Adequate height
API-I Production Block Process Vent No.201	10	Scrubber and Stack with Adequate height
API-I Production Block Process Vent No. 202	10	Scrubber and Stack with Adequate height
API-I Production Block Process Vent No. 401	10	Scrubber and Stack with Adequate height
DG Set	30	Stack with Adequate height

Process Emissions details:

Parameters	Before change in product mix	After change in product mix	As per EC	Consented Limit
Acid Mist	<35 Mg/Nm3	<35 Mg/Nm3	No concentration mentioned in the Environmental Clearance	35 Mg/Nm3

(iii) **Hazardous Waste Load**

HW Type	Category	AS per CTO	Existing Qty.	Quantity After Product Mix	UOM	Disposal
Used or spent Oil	5.1	0.2	0.2	0.2	KL/M	Sale to authorised party/CHWTSDF
Process Residue and wastes	28.1	30	30	30	MT/M	Sale to authorised party/CHWTSDF

HW Type	Category	AS per CTO	Existing Qty.	Quantity After Product Mix	UOM	Disposal
Spent Catalyst	28.2	0.03	0.03	0.03	MT/M	Sale to Authorized party /CHWTSDF/Coprocessor/recycler
Spent carbon	28.3	0.095	0.095	0.095	MT/ M	Sale to Authorized Party /CHWTSDF /Coprocessor/recycler
Off Specification products	28.4	0.5	0.5	0.5	MT/M	CHWTSDF
Date Expired product	28.5	1.00	1.00	1.00	MT/M	CHWTSDF
Spent organic solvents	28.6	378.5	378.5	377.7	KL/M	Sale to authorised party/CHWTSDF
Empty barrels/container/liners	33.1	200	200	200	Nos/ M	Sale to authorised party/CHWTSDF
Chemical sludge from waste water treatment	35.3	15	15	15	MT/M	CHWTSDF/ Co-process
Sludge from wet scrubbers	37.1	0.025	0.025	0.025	MT/ M	CHWTSDF/ Co-process
Concentration or evaporation residues	37.3	48	48	48	MT/M	CHWTSDF/ Co-process
Non-Hazardous Waste						
Wooden Scrap, Glass Scrap, Plastic Scrap, Metal Scrap		125	125	125	MT/A	Sale to authorized party

- **Note: After change in product mix, hazardous waste will be reduced by 0.8MT/A**

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 Techknowgreen Solutions Limited and product –mix Proforma are taken on the record.

After due deliberations, Committee noticed that:

i. Total reduction production will be 88.33MTA and addition of new product will be of 88.33MTA MTA. Hence the overall production quantity after product mix shall remain 160MTA as per existing consent to operate

ii. The water consumption, trade effluent generation & organic load will be reduced after product mix by 0.94 CMD, 0.96CMD and 18.4Kg/Day respectively.

iii. There is no change in air pollution load.

iv. The overall Hazardous waste quantity after product mix will be reduced by 0.8MT/A

v. 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 shall dispose the by-products as per the provision of H&OW Rule

(iii) Industry should not manufacture any other product for which permission is not granted by the Board.

(iv) 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