

Minutes of 6th meeting of Technical Committee (2023-24) for assessment of application of under change in product-mix

Date : 06/03/2024

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

Mode of Meeting: Hybrid

Technical Committee Members present for the meeting:

1) Shri. Nandkumar Gurav, Assistant Secretary (Technical), MPCB	Chairman
2) Shri. A.M. Pimparkar, Director, Environment Department	Member
3) Shri. Dr. V. M. Motghare, Joint Director (APC)	Member
4) Shri. Dr. J. B. Sangewar, Joint Director (WPC)	Member
5) Dr. B.R. Naidu, Ex. Regional Director, CPCB	Member
6) Shir. Shankar Waghmare, 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. Partik Bharne, I/c Regional Director, CPCB (3) Shri. Anurag Garg, Professor, IIT & (4) Shri. Dr. Ravindar Kontham, Principal Scientist, NCL Pune for leave of absence from attending the meeting was placed before the Committee meeting. The Committee considered the same.

Shri. Nandkumar Gurav, Assistant Secretary (Technical), MPCB & Chairman of the Committee welcomed all the Committee members. The committee deliberated on the agenda items placed and the following decision were taken.

MAHARASHTRA POLLUTION CONTROL BOARD

Agenda Item No.	Item No. 1
Proposal No.	MPCB-CONSENT-0000182316
Project Details	M/s. Bharat Petroleum Corporation Limited Mumbai Refinery (Bharat Petroleum Corporation Ltd., Refinery, Mahul, Chembur, Mumbai)
NIPL Certificate	NIPL Certificate issued by M/s. Aditya Environmental Services Pvt. Ltd., Date: 11.01.2024

Introduction:

This is an existing unit engaged in Refining & distribution of Petroleum products. The unit is located at Chembur, Mumbai. This has reference to the online proposal submitted vide No. MPCB-CONSENT-0000182316 along with the copies of documents seeking amendment in existing consent to operate under change in product – mix under the provisions of EIA Notification, 2006 amended on 23/11/2016 & on 02/3/2021.

Exiting Clearances: -

- 1) The Environmental Clearance is accorded to the industry vide Ref F. No. J-11011/145/2018-IA II (dated 05.08.2019).
- 2) The Consent to Operate granted by the Board vide No: - MPCB- CONSENT-0000173030/CR/2310000717, Date: 10.10.2023 valid upto 31.08.2024.

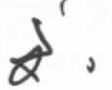


MAHARASHTRA POLLUTION CONTROL BOARD

Project details: -

Production Details: -

Sr. No.	Products	Quantity as per E.C. in TPD	Quantity as per Existing CTO in TPD	Proposed Quantity after CIPM in TPD	Remarks
1	LPG (Liquified Petroleum Gas), Poly Propylene Feed Stock	1860	1764	1764	No change
2	Benzene, Toluene, Xytol	180	180	225	Increase
3	Special Naphtha (SBP 55/115 DEG C), Hexane (FGH 64-69 DEG C), Motor Spirit (MS), MTBE, Naphtha, Other Solvents	9429	9122	9777	Increase
4	Superior Kerosene (SK, LABFS), Mineral Turpentine (MTO), Aviation Turbine Fuel (ATF)	3450	3450	2750	Decrease
5	High Speed Diesel (HSD BS IV, Navy Grade HSD), Light Diesel Oil	19500	19500	19500	No change
6	HS Furnace Oil (FO). Low Sulfur Heavy Stock (LSHS), Bitumen (VG40, VG30 & VG10), Sulfur	6681	5587	5587	No change
7	LUBE OIL BASE STOCK (LOBS)	900	1233	1233	No change
	Total	42000	40836	40836	No change in total production tonnage.

MAHARASHTRA POLLUTION CONTROL BOARD

- Industry has proposed a change in the product mix in its existing facility by reducing the production quantity of existing 01 No. of product & increase in production quantity of 02 Nos. of existing products in the same Petroleum refining category.
- Industry has proposed to change the product mix within its existing sanctioned capacity by increasing tonnage of product group (BENZENE, TOLUENE, XYTOL), product group (Special Naphtha (SBP 55/115 DEG C), HEXANE (FGH 64-69DEG C), Motor Spirit (MS), MTBE, NAPHTHA, Other Solvents) and reduction of product group (Superior Kerosene (SK, LABFS), Mineral Turpentine (MTO), Aviation Turbine Fuel (ATF). Motor spirit (MS) produced post revamp will be confirming Bharat stage VI standard as directed by Government of India.
- The overall production quantity will remain same 40836 TPD.

A. Water Pollution Load Details:

i) Water Aspect: -

Water Consumption	As per EC in (CMD)	As per C to O in (CMD)	After change in product mix in CMD
Industrial			
Process +APCM	15950	20405	20405
Boiler			
Cooling	Not mentioned in EC	154486	154486
Gardening	0	0	0
Other	0	0	0
Total Industrial	15950	329377	329377
Domestic	Not mentioned in EC	1408	1408
Total	15950	330785	330785

- Water consumption in the process will remain same as per existing consent after proposed change in product mix.

MAHARASHTRA POLLUTION CONTROL BOARD

Observations on Water Quantity Permitted

Technical Committee observed that the EC dt 05th August 2019 permits BPCL to use maximum of 15,950 CMD (fresh water from MCGM + Treated sewage from RCF) for Refinery operations while CTO permits 20405 CMD water use. It is recommended that CTO should match the EC quantity.

ii) Wastewater Aspect: -

Effluent generation	As per EC (CMD)	Existing as per CTO (CMD)	After proposed change in product mix (CMD)
Industrial			
Process +APCM	Not mentioned in EC	5760	5760
Boiler	Not mentioned in EC	146649.24	146649.24
Cooling			
Gardening	0	0	0
Other	0	0	0
Total Industrial	Not mentioned in EC	152409.24	152409.24
Domestic	Not mentioned in EC	235	235
Total	Not mentioned in EC	152,644.24	152,644.24

➤ Trade effluent generation is proposed to remain the same as per existing consent after change in proposed product mix.

iii) Effluent Treatment System: -

a) Trade Effluent:

The industry has provided Effluent treatment plant based on Powdered Activated Carbon Treatment (PACT) and Wet Air Regeneration (WAR) which is revamped in 2006 by installing new equipment such as Tilted Plate Interceptors, New Dissolved Air Flotation, New clarifier and splitting one aeration basin into two chains to take schedule down of either part when other part will be in operation. There is no secondary biological sludge generation in ETP due to use of wet air

MAHARASHTRA POLLUTION CONTROL BOARD

oxidation process for recycling the powdered activated carbon from the ETP. In this process there is no solid sludge generation, and the entire treated effluent is recycled back to Process Cooling Towers. The ETP is designed for 5760 CMD capacity & COD 6750 kg/day.

Effluent generation from refinery operation is 5760 CMD and COD is about 1172 ppm, thus maximum COD load is 6750 kg/d. There is no segregation of effluents in existing operations. There will be no use of water in proposed CCR revamp and no generation of effluent. Thus, the COD load after CCR revamp will remain unchanged at 6750 kg/d.

b) Domestic Effluent: The domestic effluent is taken to the Sewage treatment plant.

B. Air Emission Aspect: -

Sr No	Description	As per E.C.	Existing as per CTO	After NIPL	Remarks
Fuel Consumption details.					
S1	HEB-1 (MR13150)	Not mentioned in EC	LSHS 56.6 MT/D	LSHS 56.6 MT/D	No Change
	HEB-1 (MR13150)	Not mentioned in EC	Fuel Gas 14.4 MT/D	Fuel Gas 14.4 MT/D	No Change
S2	HEB-2 (MR12890)	Not mentioned in EC	LSHS 40.6 MT/D	LSHS 40.6 MT/D	No Change
	HEB-2 (MR12890)	Not mentioned in EC	Fuel Gas 11.5 MT/D	Fuel Gas 11.5 MT/D	No Change



MAHARASHTRA POLLUTION CONTROL BOARD

S3	HEB-3 (MR12591)	Not mentioned in EC	LSHS 52.8 MT/D	LSHS 52.8 MT/D	No Change
S3	HEB-3 (MR12591)	Not mentioned in EC	Fuel Gas 15.3 MT/D	Fuel Gas 15.3 MT/D	No Change
S4	BBU (8-NF-03)	Not mentioned in EC	Fuel Gas 16.9 MT/D	Fuel Gas 16.9 MT/D	No Change
S5	FCCU Charge Heater (20-F-01)	Not mentioned in EC	Fuel Gas 13.5 MT/D	Fuel Gas 13.5 MT/D	No Change
S6	FCC CO Boiler (20-F-03)	Not mentioned in EC	Coke 80 MT/D	Coke 80 MT/D	No Change
	FCC CO Boiler (20-F-03)	Not mentioned in EC	Fuel Gas 19MT/D	Fuel Gas 19MT/D	No Change
S7	ARU (60-F101/F102)	Not mentioned in EC	LSHS 13.4 MT/D	LSHS 13.4 MT/D	No Change
	ARU (60-F101/F102)	Not mentioned in EC	Fuel Gas 13.3 MT/D	Fuel Gas 13.3 MT/D	No Change
S8	ARU (80-F-320)	Not mentioned in EC	LSHS 14.4 MT/D	LSHS 14.4 MT/D	No Change

[Signature]

[Signature]

MAHARASHTRA POLLUTION CONTROL BOARD

S8	ARU (80-F-320)	Not mentioned in EC	Fuel Gas 7.6 MT/D	No Change
S9	CCU CO Boiler(90-F901)	Not mentioned in EC	Coke 110 MT/D	No Change
S10	HRSG-1 (MR-11454)	Not mentioned in EC	Fuel Gas 5 MT/D RLNG 113 MT/D BHAG 10 MT/D BHGO 12 MT/D	No Change
S11	HRSG-2 (MR-11455)	Not mentioned in EC	Fuel Gas 4 MT/D RLNG 106 MT/D BHAG 10 MT/D BHGO 20 MT/D	No Change
S12	HRSG-3 (MR-13239)	Not mentioned in EC	Fuel Gas 1 MT/D RLNG 189 MT/D BHAG 10 MT/D	No Change
S13	CCU Charge Heater (003-F-01)	Not mentioned in EC	Fuel Gas 4.8 MT/D	No Change
S14	DHDS Charge heater (120-F-01)	Not mentioned in EC	Fuel gas 19 MT/D	No Change
S15	DHDS H2(121-F-11)	Not mentioned in EC	RLNG 43.8 MT/D NAPHTHA 25.4 MT/D	No Change
S16	DHDS SRU Incinerator (Old SRU) (129-F-001)	Not mentioned in EC	Fuel Gas 3MT/D Acid Gas 90 MT/D	No Change

[Signature]

MAHARASHTRA POLLUTION CONTROL BOARD

S17	RMP CDU/VDU (131-F101/102)	Not mentioned in EC	LSHS 164.8 MT/D	LSHS 164.8 MT/D	No Change
	RMP CDU/VDU (131-F101/102)	Not mentioned in EC	Fuel gas 37.2 MT/D	Fuel gas 37.2 MT/D	No Change
S18	RMP HCU (132-F201/202)	Not mentioned in EC	Fuel gas 32.9 MT/D	Fuel gas 32.9 MT/D	No Change
S19	RMP SRU (134-F401)	Not mentioned in EC	Fuel Gas 6 MT/D AcidGas140 MT/D	Fuel Gas 6 MT/D AcidGas140 MT/D	No Change
S20	HCU (132-F203)	Not mentioned in EC	LSHS 57 MT/D	LSHS 57 MT/D	No Change
	HCU (132-F203)	Not mentioned in EC	Fuel gas 22.7 MT/D	Fuel gas 22.7 MT/D	No Change
S21	RMP HGU (131-F301)	Not mentioned in EC	RLNG 60 MT/D PSA Off gas260 MT/D	RLNG 60 MT/D PSA Off gas260 MT/D	No Change
S22	LOBS (132-F -204)	Not mentioned in EC	LSHS 15.5 MT/D	LSHS 15.5 MT/D	No Change
	LOBS (132-F -204)	Not mentioned in EC	Fuel gas 10.3 MT/D	Fuel gas 10.3 MT/D	No Change




MAHARASHTRA POLLUTION CONTROL BOARD

S23	LOBS (132-F-205)	Not mentioned in EC	Fuel gas 4 MT/D	Fuel gas 4 MT/D	No Change
S24	LOBS (132-F206)	Not mentioned in EC	Fuel gas 5 MT/D	Fuel gas 5 MT/D	No Change
S25	CDU4/ VDU4 (144-F101/102)	Not mentioned in EC	LHSH 222 MT/D	LHSH 222 MT/D	No Change
	CDU4/ VDU4 (144-F101/102)	Not mentioned in EC	Fuel gas 216 MT/D	Fuel gas 216 MT/D	No Change
S26	CCR (NHT-1& NHT-2)(140-F-001/002)	Not mentioned in EC	Fuel gas 300 MT/D	Fuel gas 300 MT/D	No Change
S27	CCR (141A-F-101 to F105)	Not mentioned in EC	Fuel gas 300 MT/D	Fuel gas 300 MT/D	No Change
S28	NHDS /ISOM (62-F-101 /102/ 65-NNF-505)	Not mentioned in EC	Fuel gas 58 MT/D	Fuel gas 58 MT/D	No Change
S29	DHT (151-F-101)	Not mentioned in EC	Fuel gas 47 MT/D	Fuel gas 47 MT/D	No Change
S30	GTU (160-FF0001)	Not mentioned in EC	Fuel gas 28 MT/D	Fuel gas 28 MT/D	No Change

[Handwritten Signature]

[Handwritten Signature]

MAHARASHTRA POLLUTION CONTROL BOARD

S31	GTU (160-F0002A/B)	Not mentioned in EC	Fuel gas 32 MT/D	Fuel gas 32 MT/D	No Change
S32	New Demountable Flare (Burning shall be smokeless)	Not mentioned in EC	Fuel gas 20 MT/D	Fuel gas 20 MT/D	No Change
S33	Old Flare (Burning Shall be smokeless)	Not mentioned in EC	Fuel gas 10 MT/D	Fuel gas 10 MT/D	No Change
S34	DG SET-1 (Caterpillar)	Not mentioned in EC	Diesel 1190 Kg/Hr	Diesel 1190 Kg/Hr	No Change
S35	DG SET-2 (Kirloskar)	Not mentioned in EC	Diesel 1190 Kg/Hr	Diesel 1190 Kg/Hr	No Change

VOC Load: -

Total VOC Emission	Pre revamp	Post Revamp
From CCR Plant, MTPA	26.34	22.75
From Storage Tanks, MTPA	28.52	29.87
From Process vents, MTPA	0	0
Total VOC Emission, MTPA	54.86	52.62

[Signature]

[Signature]

MAHARASHTRA POLLUTION CONTROL BOARD

> Industry has not proposed any change in Boiler configuration, The consented SO2 emissions from all existing stacks is 14,644 kg/d and will remain the same post proposal. There will be reduction in VOC emission post CCR Revamp

C. Hazardous Waste Load: -

Sr. No.	Category	Hazardous Waste Description	As per E.C (TPM)	Existing CTO	As per CIPM (TPM)	Disposal	Remarks
1	4.2	Spent catalyst	Not mentioned in EC	2538.75 MTA	2538.75 MTA	Sale to authorized party / CHWTSDf	No Change
2	4.1	Oil sludge or emulsion		8100 MTA	8100 MTA	Landfill of Bioremediation Soil	No Change
3	28.3	Spent carbon		100 MTA	100 MTA	Incineration-CHWTSDf	No Change
4	33.2	Contaminated cotton rags or other cleaning materials		50MTA	50MTA	Incineration-CHWTSDf	No Change
5	33.1	Empty barrels /containers/liners contaminated with hazardous chemicals/ Wastes		10000 Nos/y	10000 Nos/y	Sale to Authorized party/CHWTSDf	No Change
6	4.3	Used Oil/Slop Oil		270000 MTA	270000 MTA	Sale to Authorized party/CHWTSDf	No Change

> There will be no change in total Hazardous Waste generation after change in product mix.




MAHARASHTRA POLLUTION CONTROL BOARD

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. Aditya Environmental Services Pvt. Ltd. No. Nil, Dtd. 11/01/2024. and product –mix Proforma are taken on the record.

After due deliberations, Committee noticed that:

- i) Industry has proposed a change in the product mix in its existing facility by reducing the production quantity of existing 01 No. of product & increase in production quantity of 02 Nos. of existing products in the same Petroleum refining category.
- ii) Industry has proposed to change the product mix within its existing sanctioned capacity by increasing tonnage of product group (BENZENE, TOLUENE, XYTOL), product group (Special Naphtha (SBP 55/115 DEG C), HEXANE (FGH 64-69DEG C), Motor Spirit (MS), MTBE, NAPTHA, Other Solvents) and reduction of product group (Superior Kerosene (SK, LABFS), Mineral Turpentine (MTO), Aviation Turbine Fuel (ATF). Motor spirit (MS) produced post revamp will be confirming Bharat stage VI standard as directed by Government of India.
- iii) The overall production quantity will remain same 40836 TPD.
- iv) EC dt 05th August 2019 permits BPCL to use maximum of 15,950 cmd (fresh water from MCGM + Treated sewage from RCF) for Refinery operations while CTO permits 20405 cmd water use. It is recommended that CTO should match the EC quantity.
- v) Trade effluent generation is proposed to remain the same as per existing consent after change in proposed product mix.
- vi) Effluent generation from refinery operation is 5760 cmd and COD is about 1172 ppm, thus maximum COD load is 6750 kg/d. There is no segregation of effluents in existing operations. There will be no use of water in proposed CCR revamp and no generation of effluent. Thus, the COD load after CCR revamp will remain unchanged at 6750 kg/d.
- vii) Industry has not proposed any change in Boiler configuration, The consented SO2 emissions from all existing stacks is 14,644 kg/d and will remain the same post proposal. There will be reduction in VOC emission post CCR Revamp
- viii) There will be no change in total Hazardous Waste generation after change in product mix.



MAHARASHTRA POLLUTION CONTROL BOARD

Technical Committee Decision: -

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

- i) Industry shall comply with the conditions stipulated in Environmental Clearance and ensure display /upload of six-monthly compliance monitoring report on their official website.
- ii) Industry shall not manufacture other products for which permission is not granted by the MPCB.
- iii) Industry shall ensure the connectivity of the OCEMS data to the Board Servers.





MAHARASHTRA POLLUTION CONTROL BOARD

Agenda item No	Item No. 2
Proposal No.	MPCB-CONSENT-0000184725
Project Details	M/s. Sun Pharmaceuticals Industries Limited., Plot No. A-7/8, MIDC Area, Ahmednagar, Nagapur (CT). Dist Ahmednagar
NIPL Certificate	Not submitted

Introduction:

This is an existing API & API Intermediate manufacturing unit for 117 nos. of products. This has reference to the online proposal submitted vide No. MPCB-CONSENT-0000184725 along with the copies of documents seeking amendment in existing consent to operate under change in product – mix under the provisions of EIA Notification, 2006 amended on 23/11/2016 & on 02/3/2021.

Exiting Clearances:

1. Environmental Clearance accorded to the industry by SEIAA vide No. SEIAA-EC-0000002185 dated 13/03/2020.
2. The unit has obtained valid consent to operate vide No: - Format1.0/CAC/JUAN No.0000108455/CR-2107000991, dated 16/07/2021 valid up to 30/04/2026.

Industry has applied for proposed change in the product mix in its existing facility. However industry has not submitted pollution load proforma, NIPL Certificate, empanelment certificate of the Environmental Auditor 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 or QCI- NABET accreditation for the respective sector. Industry has not uploaded Parivesh Acknowledgement.

Representative of Industry has attended the meeting and requested to keep their proposal on hold and requested to postpone their proposal in upcoming meeting.



MAHARASHTRA POLLUTION CONTROL BOARD

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

Technical Committee Decision:

Technical Committee decided to defer the case and asked PP to submit pollution load proforma, NIPL Certificate, empanelment certificate of the Environmental Auditor 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 or QCI-NABET accreditation for the respective sector, also, Parivesh Acknowledgement & details in comparison with the Environmental Clearance, Consent to Operate and proposed changes under product mix, before the committee.



MAHARASHTRA POLLUTION CONTROL BOARD

Agenda Item No.	Item No. 3
Proposal No.	MPCB-CONSENT-0000190713
Project Details	M/s. POSCO Maharashtra Steel Pvt Ltd., Plot No. C-1 & C-1 Part, Vile-Bhagad MIDC, Tal-Mangaon, Dist. - Raigad.
NIPL Certificate	NIPL Certificate issued by M/s. Ultra-Tech Environmental Consultancy & Laboratory No. Nil. Date. Nil.

Introduction:

This has reference to the online proposal submitted vide No. MPCB-CONSENT-0000190713 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.

Exiting Clearances: -

- 1) Environmental Clearance is accorded to the industry vide letter No. SEAC-2010/CR-639/TC-2 dtd. 08/06/2011.
- 2) The Consent to Operate granted by the Board vide No: - Format1.0/CAC/JAN No.0000128520/CR/2204000648, dtd. 12.04.2022 valid up to 28.02.2027.

MAHARASHTRA POLLUTION CONTROL BOARD

1) Project details: -

Production Details: -

Sr. No.	Products	Quantity as per E.C. in TPA	Quantity as per Existing CTO in TPA	Proposed Quantity after CIPM in TPA	Remarks as per EC
1	Galvanizing Coils (GA/GI) (MT/Year)	4,50,000	4,50,000	5,00,000	Increase
	TOTAL	4,50,000	4,50,000	5,00,000	Increase in total production quantity by 11% (50,000 MT/year)

➤ Industry has proposed a change in the product mix in its existing facility by increase in production capacity of Galvanizing Coils by 50,000 Tonnes/Year by increase in raw materials Full hard coil by 11% & zinc by 1.7% while reduction of raw materials NaOH, Cr & Cr free solution. Thus, there is net increase in production by 11%, thereby total production will increase from 4,50,000 TPA to 5,00,000 TPA.

A.

[Signature]

MAHARASHTRA POLLUTION CONTROL BOARD

Water Pollution Load Details:

i) **Water Aspect: -**

Water Consumption	As per EC in (CMD)	As per C to O in (CMD)	After change in product mix in CMD
Industrial			
Process +APCM	880	880	880
Boiler	750	750	750
Cooling			
Gardening	449	449 (recycle water)	449 (recycle water)
Other	0	0	0
Total Industrial	1650	1650	1650
Domestic	253	253	253
Total	2332	2332	2332

➤ The overall Water consumption is proposed to remain same after proposed change in product mix.

Wastewater Aspect : -

Effluent generation	As per EC (CMD)	Existing as per CTO (CMD)	After proposed change in product mix (CMD)
Industrial			
Process +APCM	962	962	962
Boiler			
Cooling			
Gardening	0	0	0
Other	0	0	0
Total Trade Effluent	962	962	962




MAHARASHTRA POLLUTION CONTROL BOARD

Domestic Effluent	160	160	160
Total	1122	1122	1122

- Trade effluent generation is proposed to remain same after a change in the proposed product mix.

iii) Effluent Treatment System: -

Trade Effluent:

Existing Integrated ETP of 1200 CMD capacity is used for combined treatment of industrial effluent & domestic waste water. Total effluent treated in ETP is 1122 CMD (962 CMD industrial effluent + 160 CMD Domestic effluent). Domestic waste water is mixed with pre-treated industrial effluent in biological treatment unit (aerobic suspended growth process, MBR Technology). The 60% (i.e. 629 CMD) of the treated effluent is recycled for secondary purposes like cooling and remaining effluent (449 CMD) is used for gardening within the industrial premises.

MAHARASHTRA POLLUTION CONTROL BOARD

i) Air Emission Aspect: -

Sr No	Description	As per E.C.	As per CTO	After NIPL	Remarks
1	Furnace	Natural Gas 24,88,800 Nm ³ /Month	Natural Gas 60,91,897 Nm ³ /Month	Natural Gas 12,24,852 Nm ³ /Month	Decrease
2	Boiler				
3	DG Set (2000 KVA)	Not mentioned in EC	High Speed diesel 300 Liter/day	High Speed diesel 300 Liter/day	No change

➤ Industry has not proposed any 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	Furnace	42	Exhaust fan, damper, Low NOx Burners	TPM, NOx	150 mg/Nm ³ 100 ppm	TPM, NOx	150mg/Nm ³ 100 ppm
2	Boiler	30	Catch Pot, Packed column with water spray	TPM, NOx	150 mg/Nm ³ 100 ppm	TPM, NOx	150mg/Nm ³ 100ppm
3	No.1 Cleaning	27.11	Exhaust fan, damper, water spray type fume extraction system (wet scrubbers)	Alkali Mist	35 mg/Nm ³	Alkali Mist	35 mg/Nm ³
4	Nano Coating	47		Acid Mist	35 mg/Nm ³	Acid Mist	35 mg/Nm ³
5	Post Treatment	44.50		Acid Mist	35 mg/Nm ³	Acid Mist	35 mg/Nm ³
6	Pot Roll Cleaning Room	12		Acid Mist	35 mg/Nm ³	Acid Mist	35 mg/Nm ³
7	DG Set (2000 KVA)	30	Exhaust fan, damper, Acoustic enclosure	SO ₂ , TPM, NOx	144 KG/Day 150 mg/Nm ³ 100 ppm	SO ₂ , TPM, NOx	144 KG/Day 150mg/Nm ³ 100 ppm




MAHARASHTRA POLLUTION CONTROL BOARD

- Industry has not proposed any change in Furnace & Boiler configuration. Industry has claimed that Currently, Process Emissions are being controlled through Exhaust Fans & Damper, Low NOx Burner, Water spray type fume extraction system (the wet scrubber). With no increase in fuel requirement and requirement well within consent limit, No Additional Process Emission is envisaged after proposed product mix.

ii) Hazardous Waste Load: -

Sr. No.	Category	Hazardous Description	Waste	As per E.C (TPA)	Existing CTO (TPA)	As per CIPM (TPA)	Disposal	Remarks
1	4.2	Spent Catalyst & Molecular sieves		Not mentioned	756	0	CHWTSDF (MVMML Talaja)	Decrease as compared to C to O
2	35.3	Chemical Sludge from waste water treatment		Not mentioned	70	60		
3	12.1	Acidic and Alkaline residues		4	4	2.8		
4	NA	Waste Chrome Solution		8.41	2	1.2		Decrease
5	5.1	Used or Spent oil		0.5	2	1.5	Sale to Authorized Party	Decrease as compared to C to O
6	6.3	Zinc Dross		50	200	157.92		
	33.1	Empty Barrels / Containers Nos./Month		Not Mentioned	500	254		

Non-Hazardous Waste

1		Metal Scrap		18750	20000	16811	Sale to Recycler	Decrease
---	--	-------------	--	-------	-------	-------	------------------	----------

- The hazardous Waste Zinc Dross, Used or Spent Oil, Chemical Sludge from wastewater treatment are more than the EC quantities. The overall Hazardous Waste is more than the EC quantities.



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. Ultra-Tech Environmental Consultancy & Laboratory No. Nil. Date. Nil. and product –mix Proforma are taken on the record.

After due deliberations, Committee noticed that:

- i) Industry has proposed a change in the product mix in its existing facility by increase in production capacity of Galvanizing Coils by 50,000 Tonnes/Year by increase in raw materials Full hard coil by 11% & zinc by 1.7% while reduction of raw materials NaOH, Cr & Cr free solution. Thus, there is a net increase in production by 11%, thereby total production will increase from 4,50,000 TPA to 5,00,000 TPA.
- ii) The overall Water consumption is proposed to remain same after proposed change in product mix.
- iii) Trade effluent generation is proposed to remain the same after a change in the proposed product mix.
- iv) Industry has not proposed any change in Furnace & Boiler configuration. Industry has claimed that Currently, Process Emissions are being controlled through Exhaust Fans & Damper, Low NOx Burner, Water spray type fume extraction system (the wet scrubber). With no increase in fuel requirement and requirement well within consent limit, No Additional Process Emission is envisaged after proposed product mix.
- v) The hazardous Waste Zinc Dross, Used or Spent Oil, Chemical Sludge from wastewater treatment are more than the EC quantities. The overall Hazardous Waste is more than the EC quantities.
- vi) The committee also noted that the prior EC was accorded to the PP vide letter No. SEAC-2010/CR-639/TC-2 dtd. 08/06/2011 under category 'B'. Now as per the MoEF & CC draft Notification S.O 3072 (E), Date. 06.07.2022 the said area falls under the Eco Sensitive Zone and the Category of the said activity will now change from Category 'B' to Category 'A' project.
- vii) However as per MoEF & CC Notification dated 02/03/2021 wrt 'No Increase in Pollution Load' for increase in production capacity without having to go through entire Environmental Clearance process again as long as there is no increase in Pollution load, has clarified that 'Provided' further that the provision of this clause (increase in production capacity without increase in Pollution load) shall not be applicable if such change or increase results in change in category of project or activity from Category 'B2' to either Category 'A' or Category 'B1'

MAHARASHTRA POLLUTION CONTROL BOARD

Technical Committee Decision: -

The Technical Committee noted that there is No increase in Pollution load due to proposed change in product mix. However as per MoEF&CC draft Notification S.O 3072 (E), Dated. 06.07.2022 the said area falls under the Eco Sensitive Zone and the Category of the said activity will now change from Category 'B' to Category 'A' project & as per MoEF&CC Notification dated 02/03/2021 provision of this clause (increase in production capacity without increase in Pollution load) shall not be applicable if such change or increase results in change in category of project or activity from Category 'B2' to either Category 'A' or Category 'B1'.

In view of this the Technical Committee recommended that, it will be appropriate to seek guidance from MoEF&CC/SEIAA, regarding this product mix application, wherein the category of the project will now change from Category 'B' to Category 'A' project due to the said area falls under the Eco Sensitive Zone as per draft Notification S.O 3072 (E), Dated. 06.07.2022. The Technical Committee further decided to defer the case till receipt of guidance from the MoEF&CC/SEIAA, with a liberty that PP may pursue in this regard with MOEF&CC/SEIAA

MAHARASHTRA POLLUTION CONTROL BOARD

Agenda item No	Item No. 4
Proposal No.	UAN Number: MPCB-CONSENT-0000193914
Project Details	M/s. Wanbury Ltd, Plot No. A – 15, Patalganga MIDC, Taluka – Khalapur, District – Raigad, Maharashtra
NIPL Certificate	NIPL certificate issued by M/s. Green Circle Inc. vide letter dated 20th December, 2023

Introduction: -

A proposal is submitted vide No. MPCB-CONSENT-0000193914, Dated 11-Jan-2024 along with copies of documents seeking amendment in CTO with Change in Product Mix under the provisions of EIA Notification 14th September 2006 further amended Gazette no. S.O. 3518 (E) dated 23rd November 2016, S.O. 980(E) dated 2nd March 2021, MoEFCC Office Memorandum vide F. No. IA3-22/10/2022-IA.III (E 177258) dated 11th April, 2022. Industry has obtained consent to operate on 23rd March 2021 and requested for amendment in consent to operate under change in product mix. Accordingly, Accredited Consultant M/s. Green Circle Inc. and presentation giving pollution loads in the changed scenario.

Exiting Clearances: -

- 1) Environmental Clearance is accorded to the industry vide no. SEAC-2010/CR.330/TC.2 dated 29th September 2011 for 7 API products having capacity 232 MTPM.
- 2) The Consent to Operate granted by the Board for production of 232 MT/M from MPCB CONSENT No:- Format 1.0/AS(T)/UAN No. 0000097902/CR - 21030001444 dated 23rd March 2021 which is valid upto 30th September 2025 for manufacturing of 7 nos. of API Products.
- 3) M/s. Wanbury Limited has applied for amendment of CTO vide application No. MPCB-CONSENT-0000193914, Dated 11-Jan-2024, with change in product mix with increasing the capacity from 232 MTPM to 330 MTPM increasing the capacity of Metformine Hydrochloride and deletion of 6 nos. of other products (Acyclovir, Salasate Hydrochloride BP/USP, Tramadol Hydrochloride, Amatriptyline Hydrochloride, Setraline Hydrochloride, Promethazine Hydrochloride)

MAHARASHTRA POLLUTION CONTROL BOARD

4) Project details: -

Production Details: -

Sr. No.	Products	Quantity as per E.C. in TPM	Quantity as per Existing CTO in TPM	Proposed Quantity after CIPM in TPM	Remarks as per EC
1	Metformine Hydrochloride	210	210	330	Increase
2	Acyclovir	0	0.5	0	Deletion
3	Salasate Hydrochloride BP/USP	11.5	11.5	0	Deletion
4	Tramadol Hydrochloride	7	7	0	Deletion
5	Amatriptiline Hydrochloride	1	1	0	Deletion
6	Setraline Hydrochloride	1	1	0	Deletion
7	Promethazine Hydrochloride	1	1	0	Deletion
	TOTAL	232	232	330	Increase in total production quantity by 98 MT/M

➤ Industry has proposed a change in the product mix in its existing facility by increase in production capacity of Metformine Hydrochloride and discontinuation of Acyclovir, Salasate Hydrochloride BP/USP, Tramadol Hydrochloride, Amatriptiline Hydrochloride, Setraline Hydrochloride, Promethazine Hydrochloride resulting in reduction of 22 TPM of products and increase in 120 TPM of Metformine Hydrochloride. Thus, there is net increase in production by 98 TPM thereby total production will increase from 232 TPM to 330 TPM.




MAHARASHTRA POLLUTION CONTROL BOARD

- i) Water Pollution Load Details:
 ii) Water Aspect: -

Water Consumption	As per EC in (CMD)	As per C to O in (CMD)	After change in product mix in CMD
Industrial			
Process +APCM	Not mentioned in EC	46.50	45.70
Boiler	Not mentioned in EC	70.30	70.30
Cooling			
Gardening	Not mentioned in EC	0	0
Other	Not mentioned in EC	0	0
Total Industrial	Not mentioned in EC	116.8	116
Domestic	Not mentioned in EC	38.00	38
Total	173.6	154.8	154.0

➤ The overall Water consumption is proposed to be reduced by 0.8 CMD after proposed change in product mix.

Wastewater Aspect : -

Effluent generation	As per EC (CMD)	Existing as per CTO (CMD)	After proposed change in product mix (CMD)
Industrial			
Process +APCM			
Boiler	60	40	39
Cooling			
Gardening	0	0	0
Other	0	0	0
Total Trade Effluent	60	40	39

[Signature]

MAHARASHTRA POLLUTION CONTROL BOARD

Domestic Effluent	30.5	28	28
Total	90.5	68	67

- Trade effluent generation is proposed to reduce by 21 CMD compared to EC & 1 CMD compared to existing consent after a change in the proposed product mix.

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

Sr. No.	Description	As per E.C.	Existing as per CTO	After NIPL
1.	Hydraulic load	Not mentioned in EC	40 CMD	39 CMD
	COD Load	Not mentioned in EC	208.72	153.21
	TDS Load	Not mentioned in EC	49.1	43.2

- COD load will reduce by 55.51 Kg/Day & TDS load will reduce by 5.9 Kg/Day after change in product mix.

iii) Effluent Treatment System: -

Trade Effluent:

The entire trade effluent will be Low COD/TDS effluent stream which will be treated in ETP of capacity 50 KLD consisting of Primary followed by secondary (Anaerobic digester & Aerobic) & tertiary treatment and treated effluent is being sent to CETP for final disposal.

Domestic Effluent: The sewage is treated in STP of 30 CMD & treated sewage is used on land for gardening.



MAHARASHTRA POLLUTION CONTROL BOARD

ii) Air Emission Aspect: -

Sr No	Description	As per E.C.	Existing as per CTO	After NIPL	Remarks
Fuel Consumption details.					
1	Boiler 3 TPH	Not mentioned in EC	Biomass Briquette 500 Kg/Hr	Biomass Briquette 500 Kg/Hr	No change
2	DG Set (500 kVA)	Not mentioned in EC	HSD 90 Ltrs/Hr	HSD 90 Ltrs/Hr	No change

➤ Industry has not proposed any change in Boiler configuration. No Process emission is envisaged after proposed product mix.

iii) Hazardous Waste Load: -

Sr. No.	Category	Hazardous Description	Waste	As per E.C (TPM)	Existing CTO (TPM)	As per CIPM (TPM)	Disposal	Remarks
1	28.1	Process Residue & Wastes.		2400 ltrs/Y	620 ltrs/M	588 kg/M	CHWTSDF	Increased as compared to EC
2	28.4	Off specification Products		Not mentioned in EC	0.001 MT/M	1 Kg/M	CHWTSDF	Newly added compared to EC & no change as per C to O
3	33.1	Empty Liners contaminated with hazardous chemicals/waste	Barrels/containers/	100 Nos/Y	100 Nos/M	1500 Nos/M	Authorized Recycler	33.3 cat. Which is separately mentioned in C to O is combined



MAHARASHTRA POLLUTION CONTROL BOARD

						with this cat. Which is increased as compared to EC
4	35.3	Chemical sludge from waste water treatment.	1200 Kg/Y	1100 Kg/M	1100 Kg/M	CHWTSDF Increased as compared to EC
5	5.1	Used or Spent oil	2000 Lit/Y	Not mentioned in consent	1 MT/A	Recycle Decrease as compared to EC
6	33.3	Discarded Containers/Barrels/Liners	Not mentioned in EC	1850 Kg/M	0	Combined with cat 33.1

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. Green Circle Inc. vide letter. No. Nil, Dtd. 20/12/2023 and product –mix Proforma are taken on the record.

After due deliberations, Committee noticed that:

- i) Industry has proposed a change in the product mix in its existing facility by increase in production capacity of Metformine Hydrochloride and discontinuation of Acyclovir, Salasate Hydrochloride BP/USP, Tramadol Hydrochloride, Amatriptyline Hydrochloride, Setraline Hydrochloride, Promethazine Hydrochloride resulting in reduction of 22 TPM of products and increase in 120 TPM of Metformine Hydrochloride. Thus, there is net increase production by 98 TPM thereby total production will increase from 232 TPM to 330 TPM.
- ii) Water consumption in the process is proposed to be reduced by 0.8 CMD after proposed change in product mix. Effluent quantity will reduce by 1 CMD (40 CMD to 39 CMD), Sewage quantity will remain same i.e. 28 CMD,




MAHARASHTRA POLLUTION CONTROL BOARD

- iii) The entire trade effluent will be Low COD/TDS effluent stream which will be treated in ETP of capacity 50 KLD consisting of Primary followed by secondary (Anaerobic digester & Aerobic) & tertiary treatment and treated effluent is being sent to CETP for final disposal.
- iv) After the proposed change in product mix the COD load will be reduced by 55.51 Kg/Day & TDS load will be reduced by 5.9 Kg/Day.
- v) Industry has not proposed any change in Boiler configuration.

Technical Committee Decision: -

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

- i) Industry shall comply with the conditions stipulated in Environmental Clearance and ensure display /upload of six-monthly compliance monitoring report on their official website.
 - ii) Industry shall not manufacture other products for which permission is not granted by the MPCB.
 - iii) Industry shall ensure the connectivity of the OCEMS data to the Board Servers.
-



MAHARASHTRA POLLUTION CONTROL BOARD

Agenda item No	Item No. 5
Proposal No.	UAN Number: MPCB-CONSENT-0000189030
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, Dated 12.03.2024

Introduction: -

This is an existing unit engaged in manufacturing of 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-0000189030 along with the copies of documents seeking of consent to operate and amendment under change in product – mix under the provisions of EIA Notification, 2006 amended on 23/11/2016 & on 02/3/2021.

Exiting 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. SIAMH/IND3/271194/2022 dated 19/07/2022 in the Name of M/s. Curia India Private Limited
- 4) Consent to Operate from Maharashtra Pollution Control Board vide consent order no. Format1.0/AS(T)/UANNo.0000093209/CR/2203001711 valid upto 30.11.2024.
- 5) Format 1.0/CC/ MPCB-CONSENT_AMENDMENT -0000006880/Amend -0087 dated 24/05/2022 valid upto 30.11.2024.

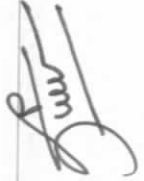
MAHARASHTRA POLLUTION CONTROL BOARD

Project details: -

Production Details: -

Sr.	Product Name	Quantity As per EC	UO M	Proposed Quantity after CIPM	UO M	Remarks as per EC
API Products & Bulk Drugs						
1	Dilute Isosorbide-5-mononitrate	3	TPM	3	TPM	Remain Same
2	Isosorbide-5-mononitrate	1.4	TPM	1.4	TPM	Remain Same
Bulk Drug						
1	Dilute Isosorbide-5-mononitrate	3	TPM	3	TPM	Remain Same
2	Isosorbide-5-mononitrate	1.6	TPM	1.6	TPM	Remain Same
3	2-3((3-Fluoro-4-(methyl carbamoyl) phenyl) amino)-2-methylpropanoic acid (MDV4).	2	TPM	2	TPM	Remain Same
4	4-Bromo-2-fluro -N-methyl benzamide (MDV2)	1.5	TPM	1.5	TPM	Remain Same
5	Pyridine -2-Aldroxime	1	TPM	1	TPM	Remain Same
6	4-Isothiocyanato -2- [trifluoromethyl] benzonitrile (MDV3100-6)	0.5	TPM	0.5	TPM	Remain Same
7	2-Acetate	3	TPM	3	TPM	Remain Same
8	Chiral Acetamide	1.5	TPM	1.5	TPM	Remain Same
R&D Scale up & CRAMS Products						
1	4-Bromo-2-fluro -N-methyl benzamide (MDV2)	0.5	TPM	0.5	TPM	Remain Same
2	Norepinephrine	0.5	TPM	0.5	TPM	Remain Same
3	1-Benzyl-4-phenyl-piperidine-4-caarbonitrile Hydrochloride (Nitrile Chloride)	0.7	TPM	0.7	TPM	Remain Same
4	6-Chloro 3 methyl Uracil (CMU)	0.15	TPM	0.15	TPM	Remain Same
5	4-(5-Methyl-1,3,4-thiadiazol-2-yl) benzaldehyde (OMS-7)	0.5	TPM	0.5	TPM	Remain Same
6	D-Alanine Isopropyl Ester HCL - 2	0.65	TPM	0.65	TPM	Remain Same
7	Elanco (Compound 5) {(Lithium 4,6-dichloropyridazine-3-carboxylate monohydrate)}	0.3	TPM	0.3	TPM	Remain Same
8	(S) dibenzyl 2-(S)-1-2, ((benzyloxy) carbonyl) amino acetyl)-2methyl pyrrolidine-2-carboximido pentanedionate .(Neuren-7)	0.4	TPM	0.4	TPM	Remain Same

Minutes of 6th meeting of Technical Committee (2023-24) dtd 06/03/2024



MAHARASHTRA POLLUTION CONTROL BOARD

CRAMS Product	0.35	TPM	0.35	TPM	Remain Same
9 5-Bromo-2-(2-methyl-2H-tetrazol-5-yl) pyridine (DA-3)	0.85	TPM	0.85	TPM	Remain Same
10 6-Chloro 3 methyl Uracil (CMU)	0.3	TPM	0.3	TPM	Remain Same
11 1-Benzyl-4-phenyl-piperidine-4-ccarbonitrile Hydrochloride (Nitrile Chloride)	1.5	TPM	1.5	TPM	Remain Same
12 Acetyl Benzyl Amine	1	TPM	1	TPM	Remain Same
13 5-Bromo-2-chloro-1,3-dimethoxybenzene (OMS-2)	1.5	TPM	1.5	TPM	Remain Same
14 (5-Methyl-1,3,4-thiadiazol-2-yl) bromide (OMS-6)	0.5	TPM	0.5	TPM	Remain Same
15 4-(5-Methyl-1,3,4-thiadiazol-2-yl) benzaldehyde (OMS-7)	1	TPM	1	TPM	Remain Same
16 Ethyl 7-iodo -2,2-dimethylheptanoate ETC - 1002 Esperion	1	TPM	1	TPM	Remain Same
17 K00006 (2-Amino -thiazole -5 -carboxylic acid (2-chloro -6 - methylphenyl) amine)	0.1	TPM	0.1	TPM	Remain Same
18 (S)Methyl 2-methyl pyrrolidine -2-carboxylate Neuren-4	0.1	TPM	0.1	TPM	Remain Same
19 (S) dibenzyl 2-(S)-1-2, ((benzyloxy)carbonyl) amino acetyl)-2methyl pyrrolidine-2-carboximido) pentanedionate .(Neuren-7)	0.2	TPM	0.2	TPM	Remain Same
20 Elanco (Compound 5) {(Lithium 4,6-dichloropyridazine-3-carboxylate monohydrate)}	0.5	TPM	0.5	TPM	Remain Same
21 Naloxgol-3 stage 1 and 2	0.5	TPM	0.5	TPM	Remain Same
22 (3aR,4R,7aS)-methyl-4-((S)-hydroxy((R)-2-oxo-1,3-dioxolan-4-yl)methyl)-2-methyl-4,7a-dihydro-3aH pyrano[3,4-d]oxazole-6-carboxylate. [CS-8958 (BiotaPP).	0.5	TPM	0.5	TPM	Remain Same
23 D-Alanine Isopropyl Ester HCL - 2	1	TPM	1	TPM	Remain Same
24 2-Amino-5-Bromo Benzoxazole ML737	2	TPM	2	TPM	Remain Same
25 4-Amino pyrazolopyrimidine ML739	1	TPM	1	TPM	Remain Same
26 Palmitoleic Acid Ethyl Ester Concentrates	1	TPM	1	TPM	Remain Same
27 2,-(4 (diethoxymethyl) phenyl)-5-methyl 1,3,4-thiadiazole[Omeros-8]	0.5	TPM	0.5	TPM	Remain Same
28 FT 11-1 Starting Material -2-(oxobutanamide) Benzoic acid*	2	TPM	2	TPM	Remain Same
29 CBZ-tert leucine MIPA salt	0.5	TPM	0.5	TPM	Remain Same
30 Benzyl bromoethyl ether [BBEE]	5	TPM	5	TPM	Remain Same
31 1,6-Di Bromo hexane	0.5	TPM	0.5	TPM	Remain Same
32 2,4-dichloro 1,3,5 triazine (Bayer)	0.5	TPM	0.5	TPM	Remain Same




MAHARASHTRA POLLUTION CONTROL BOARD

		0.5	TPM	0	TPM	Deleted
33	Ethyl chloro -6-(trifluoromethyl) imidazole [1,2a] pyridine-2-carboxylate. N-96480 (Dupont)*					
34	Methyl analogue of pyridine derivative	0.5	TPM	0.5	TPM	Remain Same
35	7-acetyl-1,2,4,6,7,8,12,13,14,15,16,17,1-6, didecahydrospiro [cyclopenta[a]phenantrene-3,2-[1.3]-dioxalan]-17-yl[[ketal acetate]	0.8	TPM	0.8	TPM	Remain Same
36	2-amino 2-thioxoethyl carbamate	0.5	TPM	0	TPM	Deleted
37	α -MethylBenzylamine	0.5	TPM	0.5	TPM	Remain Same
38	Compound 7 (SGL chemistry)	0.5	TPM	0	TPM	Deleted
39	KSM 3	1	TPM	1	TPM	Remain Same
40	AZTH3	1	TPM	1	TPM	Remain Same
41	Compound 13 (methan-d3-amine hydrochloride)	0.5	TPM	0.5	TPM	Remain Same
42	KP-1	1.5	TPM	1.5	TPM	Remain Same
43	BOC- CIS - Diamine	0.5	TPM	0.5	TPM	Remain Same
44	2-(-(benzyloxy)-3-nitrophenyl) oxirane [Borregaard- NSO]	1	TPM	0	TPM	Deleted
45	N-Ethyl-5-fluoro-N-isopropyl-2-(pyrimidin-5-yloxy) benzamide (SNDX-5613-5)	0	TPM	0.75	TPM	New
46	N-ethyl-5-fluoro-2-hydroxy-n-isopropyl benzamide (SNDX-5613-12)	0	TPM	0.75	TPM	New
47	Recovered Solvent	3	TPM	3	TPM	Remain Same
	Total	54.4	TPM	53.4	TPM	

- Industry has proposed the change in product mix in the same product category by deleting the 4 Nos. of products, and addition of new 2 no's of products.
- The total production quantity after change in product mix will be reduced by 1 TPM (i.e., 53.4 TPM).
- As per the CTO- Manufacture only 2 Bulk Drugs and 3 CRAMS at a time




MAHARASHTRA POLLUTION CONTROL BOARD

A. Water Pollution Load Details:

i) Water Aspect: -

Water Consumption	As per EC in (CMD)	As per C to O in (CMD)	After change in product mix in CMD
Industrial			
Process +APCM	8.0	11.0	8.0
Boiler			
Cooling	30.0	43.0	30.0
Gardening	5.0	0	5.0
Other (Fire Service)	10.0	0	10.0
Domestic	4.0	6.0	4.0
Total	57.0	60.0	57.0

➤ Water consumption in the process is proposed to be reduced by 3.0 CMD after 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	14.2	9.2
Boiler			
Cooling	0	0	0
Gardening	0	0	0
Total Industrial	9.2	14.2	9.2
Domestic	3.0	5.0	3.0
Total	12.2	19.2	12.2

➤ Trade effluent generation is proposed to reduce from process by 7.0 CMD after change in proposed product mix.

MAHARASHTRA POLLUTION CONTROL BOARD

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

Sr. No.	Description	As per E.C.	Existing as per CTO	After NIPL
1.	Process effluent (Strong Stream - High COD & TDS)	COD Load	1355.54 Kg/day	1336.33 Kg/day
		TDS Load	932.69 Kg/day	916.44 Kg/day

➤ COD load will reduce by 19.21 Kg/Day and TDS load will reduce by 16.25 Kg/Day after change in product mix.

iv) Effluent Treatment System: -

a) Trade Effluent:

Effluent Treatment Plant (ETP) of designed capacity of 10.0 CMD consisting of Primary (Collection tank, Neutralization tank, Primary Clarifier /Primary Settling Tank), Secondary treatment consist of aeration and secondary settling, & Tertiary Sand filter & Activated Carbon filter system with Advanced treatment (Reverse osmosis, Multi effective evaporator, Of designed capacity 10.0 CMD, 20.0 CMD & 10 CMD respectively)

b) Domestic Effluent: Sewage collection tank overflow transfer to bioreactor of ETP.

MAHARASHTRA POLLUTION CONTROL BOARD

B. 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 Thermopack 100000 Kcal/hr LDO: 0.3 MT/D DG Sets: 500 KVA x 1 nos. 1000 KVA x 1 no. 0.3 MT/D (Diesel)	Boilers: 0.6 TPH x 1 nos. LDO: 12.5 kg/hr Thermopack 100000 Kcal/hr LDO: 0.3 MT/D DG Sets: 500 KVA x 1 nos. 1000 KVA x 1 no. 0.3 MT/D (Diesel)	Boilers: 0.6 TPH x 1 nos. LDO: 12.5 kg/hr Thermopack 100000 Kcal/hr LDO: 0.3 MT/D DG Sets: 500 KVA x 1 nos. 1000 KVA x 1 no. 0.3 MT/D (Diesel)	Use of LDO as fuel for Boiler will continue. Use of LDO as fuel for Thermopack will continue. Use of Diesel as fuel for DG will continue.

➤ 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 (06 Nos.)	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 (Scrubber3)	6	Catch Pot, Packed column with water spray	Br	3 ppm	Br	3 ppm

MAHARASHTRA POLLUTION CONTROL BOARD

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

C. Hazardous Waste Load: -

Sr. No	Cate gory	Hazardous description	waste	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	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-processor/Co-processor/ Incineration	Reduced
4.	20.3	Distillation residues		Kg/M	2500	2500	2500	Re-processor /Pre-processor/Coproc essor/ CHWTSDF	Same
5.	28.1	Process Residue and wastes		Kg/M	17540	15209	15209	Pre-processor/Co-processor/ Incineration	Reduced
6.	28.3	Spent carbon		Kg/M	1000	1000	1000	Pre-processor /Coprocessor/CH WTSDF	Same
7.	28.4	Off products	specification	Kg/M	500	500	500		Same
8.	28.6	Spent Mother Liquor		Kg/M	52571	52571	52571		Same

MAHARASHTRA POLLUTION CONTROL BOARD

9.	28.6	Spent solvents	Kg/M	20170	20170	20170	20170	Same
10.	33.1	Empty / contaminated hazardous chemicals /wastes	Nos./M	100	100	100	100	Same
11.	35.3	Chemical sludge from waste water treatment	Kg/M	3000	2700	2700	CHWTSDF	Reduced
12.	36.2	Filters and material which have organic Fluid	Kg/M	30	30	30	Sale to Authorized party/recycler	Same
13.	35.4	Oil and grease skimming	Kg/M	500	500	500		Same
14.	33.2	Contaminated cotton rags or other cleaning materials	Kg/M	100	100	100		Same
		Total	Kg/M	234040	229307	229307		Reduced by 4733 Kg/M

➤ The total Hazardous Waste generation is proposed to reduce after change in product mix by 4733 Kg/M compared to EC quantities.




MAHARASHTRA POLLUTION CONTROL BOARD

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:

- i) Industry has proposed the change in product mix in the same product category by deleting the 4 Nos. of products, and addition of new 2 no's of products.
- ii) The total production quantity after change in product mix will be reduced by 1 TPM (i.e., 53.4 TPM).
- iii) As per the CTO- Manufacture only 2 Bulk Drugs and 3 CRAMS at a time
- iv) Water consumption in the process is proposed to be reduced by 3.0 CMD after proposed change in product mix.
- v) Trade effluent generation is proposed to reduce from process by 7.0 CMD after change in proposed product mix.
- vi) COD load will reduce by 19.21 Kg/Day and TDS load will reduce by 16.25 Kg/Day after change in product mix.
- vii) Industry is using LDO as fuel to Boiler, there is no change in fuel as industry has not proposed change in Boiler configuration.
- viii) Industry has not proposed any changes in the process emissions after change in product mix.
- ix) The total Hazardous Waste generation is proposed to reduce after change in product mix by 4733 Kg/M compared to EC quantities.

Technical Committee Decision: -

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

- i) Industry shall comply with the conditions stipulated in Environmental Clearance and ensure display /upload of six-monthly compliance monitoring report on their official website.
- ii) Industry shall achieve Zero Liquid Discharge as proposed after change in product mix.
- iii) Industry shall dismantle the existing D.G Set of capacity 320 KVA.
- iv) Industry shall not manufacture other products for which permission is not granted by the MPCB.
- v) Industry shall ensure the connectivity of the OCEMS data to the Board Servers.

MAHARASHTRA POLLUTION CONTROL BOARD

Agenda item No	Item No. 6
Proposal No.	UAN Number: MPCB-CONSENT-0000188526
Project Details	M/s. Indoco Remedies Ltd., Plot No. A-26, A-27, A-28/1 & A-28/2, MIDC Industrial Area, Patalganga, Tal-Panvel, Dist.- Raigad-410 220.
NIPL Certificate	NIPL certificate issued by M/s. Subbarao's Environment Center (SEC). vide letter dated 19th December, 2023

Introduction: -

A proposal is submitted vide No. MPCB-CONSENT-0000188526, Dated 24-Nov-2023 along with copies of documents seeking amendment in CTO with Change in Product Mix under the provisions of EIA Notification 14th September 2006 further amended Gazette no. S.O. 3518 (E) dated 23rd November 2016, S.O. 980(E) dated 2nd March 2021, MoEFCC Office Memorandum vide F. No. IA3-22/10/2022-IA.III (E 177258) dated 11th April, 2022. Industry has obtained consent to operate on 30/06/2022. Industry has requested for amendment in consent to operate under change in product mix. Accordingly, Accredited Consultant M/s. Subbarao's Environment Center (SEC), NABET Accredited Environment Consultant (uploaded revised on 21/03/2024) presented pollution loads in the changed scenario. Industry has now uploaded revised NIPL certificate wherein they have cancelled the proposed R & D activity & activity of Micronization of API products.

Exiting Clearances: -

- 1) Environmental Clearance is accorded to the industry vide no. SEAC-2015/CR-JTC/-2 on 18th July 2016 covering total production of Synthetic Organic Chemicals is 876.21 MT/A.
- 2) The Consent to Operate granted by the Board for production of 876.21 MT/A from MPCB CONSENT No:- Format1.0/CC/UAN No. MPCB-CONSENT-0000189940/CR/2403001676 dated 17/03/2024, valid up to 31/01/2029 for manufacture of various API & Its Intermediates.
- 3) M/s. Indoco Remedies Ltd has applied for amendment of CTO vide application No. MPCB-CONSENT-0000188526, with change in product mix by reducing the overall capacity from 876.21 MT/A to 799.2 MT/A.

MAHARASHTRA POLLUTION CONTROL BOARD

Project details: -

Production Details: -

Sr. No.	Products	Quantity as per E.C. in TPA	Quantity as per Existing CTO in TPA	Proposed Quantity after CIPM in TPA	Remarks as per EC
1	Febuxostat	60.996	60.996	18	Reduction
2	Merabegron	18	18	12	Reduction
3	Dapagliflozin	7.992	7.992	6	Reduction
4	Apixaban	6.996	6.996	12	Added
5	Alogliptin Benzoate	48	48	12	Reduction
6	Rufinamide	3.096	3.096	6	Added
7	Glimipride	2.004	2.004	12	Added
8	Dicyloamine Hydrochloride	0.504	0.504	12	Added
9	Gliclazide	3	3	47	Added
10	Betaxolol Hydrochloride	0.6	0.6	6	Added
11	Brinzolamide	0.019	0.019	1.2	Added
12	Atoravatatin Calcium Intermediate	2.4	2.4	3	Added
13	Fexofenadin	12	12	12	No Change
14	Canagliflozin	60	60	9	Reduction
15	Lacosamide	7.992	7.992	24	Added
16	Dorzolamide Hydrochloride	3.288	3.288	6	Added
17	Allopurinol	410.04	410.04	550	Added
18	Quetiapine Fumarate	118.044	118.044	48	Reduction

MAHARASHTRA POLLUTION CONTROL BOARD

19	Pregabalin	111.24	111.24	3	Reduction
20	Lacosamide Intermediate (BBC2)	0	0	1	New Product
21	Gliclazide Crude (GLE1)	0	0	5	New Product
22	Rivaroxaban	0	0	10	New Product
23	Sitagliptin Phosphate Monohydrate	0	0	3	New Product
24	Sitagliptin Hydrochloride Monohydrate	0	0	6	New Product
25	Doxylamine Succinate	0	0	5	New Product
26	Metoprolol Succinate	0	0	12	New Product
27	Citirizine Dihydrochloride	0	0	25.311	New Product
28	Sugammadex	0	0	0.5	New Product
29	Phenytoin Sodium	0	0	6	New Product
30	Besifloxacin Intermediate (RAZ 1)	0	0	2	New Product
31	Brimonidin tartrate Intermediate (BRT 2)	0	0	1.2	New Product
	Total	876.21	876.21	876.21	

➤ Industry has proposed a change in the product mix in its existing facility by increase in production capacity of 11 nos. of products, reduction in production capacity of 7 nos. of products and introducing 12 nos. of new products. Thus, there is no change in overall production of 876.21 MT/A.




MAHARASHTRA POLLUTION CONTROL BOARD

- iv) Water Pollution Load Details:
 i) Water Aspect: -

Water Consumption	As per EC in (CMD)	As per C to O in (CMD)	After change in product mix in CMD
Industrial			
Process +APCM	91	91	90.5
Boiler	92	92	92
Cooling			
Gardening	23	23	23
Other	0	0	0
Total Industrial	206	206	205.5
Domestic	14	14	14
Total	220	220	219.5

➤ Water consumption in the process is proposed to be reduced by 0.5 CMD after proposed change in product mix.

Wastewater Aspect: -

Effluent generation	As per EC (CMD)	Existing as per CTO (CMD)	After proposed change in product mix (CMD)
Industrial			
Process +APCM			
Boiler	106.275	106.93	105.667
Cooling			
Gardening	0	0	0
Other	0	0	0
Total Industrial	106.275	106.93	105.667



MAHARASHTRA POLLUTION CONTROL BOARD

Domestic	11.9		11.9
Total	118.175	118.83	117.567

- Trade effluent generation is proposed to reduce by 1.263 CMD compared to EC after a change in the proposed product mix.

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

Sr. No.	Description	As per E.C.	Existing as per CTO	After NIPL	
1.	Process effluent (COD & TDS)	Hydraulic load	Not mentioned in EC	106.275	105.667 CMD
		COD Load	Not mentioned in EC	690 Kg/day	676.09 Kg/day
		TDS	Not mentioned in EC	671 Kg/day	671 Kg/day

- COD load will reduce by 13.09 Kg/Day & TDS load will remain unchanged @ 671 Kg/Day after change in product mix.

iii) Effluent Treatment System: -

Trade Effluent:

- a) Strong COD/TDS stream of 19 CMD - Treatment system comprising of Primary followed by Multi effect evaporator with design capacity of 70 CMD followed by Agitated Thin Film Dryer (ATFD). The MEE condensate is treated in weak stream ETP.
- b) Weak COD/TDS stream of 86.667 CMD - Treatment system comprising of Primary, Secondary, Tertiary, Sludge treatment (Filter press) with design capacity of 150 CMD.
- c) Domestic Effluent: 11.9 CMD - The domestic effluent is treated along with trade effluent in ETP.




MAHARASHTRA POLLUTION CONTROL BOARD

v) Air Emission Aspect: -

Sr No	Description	As per E.C.	Existing as per CTO	After NIPL	Remarks
Fuel Consumption details.					
1	Boiler-I (5 TPH), Boiler-II (2 TPH) (standby) & Thermic Fluidic Heater (2 Lakh Cal/Hr.) (Standby)	Furnace Oil 1000 Kg/Day	PNG 270 lit/Hr LSHS (used only in case of non-availability of PNG) 215 Lit/Hr	PNG 270 lit/Hr LSHS (used only in case of non- availability of PNG) 215 Lit/Hr	No change
2	DG Set (500 KVA)	Diesel 90 Lit/Hr	HSD 90 Lit/Hr	HSD 90 Lit/Hr	No change
3	DG Set (1010 kVA)	Diesel 155 Lit/Hr	HSD 155 Ltrs/Hr	HSD 155 Ltrs/Hr	No change

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	Reactor-1	15	Scrubber	Acid Mist Chlorine	35 Mg/Nm ³ 5.0 Mg/Nm ³	Acid Mist Chlorine	35 Mg/Nm ³ 5.0 Mg/Nm ³
2	Reactor-II	23	Scrubber	Acid Mist NH ₃	35 Mg/Nm ³ 30 Mg/Nm ³	Acid Mist NH ₃	35 Mg/Nm ³ 30 Mg/Nm ³



MAHARASHTRA POLLUTION CONTROL BOARD

3	Reactor-III	23	Scrubber	Acid Mist	35 Mg/Nm ³	Acid Mist	35 Mg/Nm ³
4	Reactor-IV (Centrifuge)	23	Scrubber	Acid Mist	35 Mg/Nm ³	Acid Mist	35 Mg/Nm ³

- Industry has not proposed any change in Boiler configuration, Industry has claimed that currently, PNG will be used as fuel for both boilers 5 TPH, 2TPH (Standby) and the Thermic Fluid Heater (Standby). However, in case of emergency during non-availability of PNG, LSHS will be used as a fuel for boilers.

vi) Hazardous Waste Load: -

Sr. No.	Category	Hazardous Description	Waste	As per E.C (TPM)	Existing CTO (TPM)	As per CIPM (TPM)	Disposal	Remarks
1	5.1	Used or spent oil		150 lit/M	150 lit/M	150 lit/M	Authorized Recycler	No change
2	20.3	Distillation residues		11.5 T/M	11.5 T/M	11.5 T/M	Co-processing	No change
3	28.1	Process Residue and wastes		400 Kg/M	400 Kg/M	400 Kg/M	CHWTSDf	No change
4	28.2	Spent catalyst		11.25 T/M	6.25 T/M	5.67 T/M	Recycle	Reduction
5	28.3	Spent carbon			5 T/M	5 T/M	Co-processing	No change
6	28.6	Spent organic solvents		20 T/M	20 T/M	20 T/M	Co-processing	No change
7	33.1	Empty barrels /containers /liners contaminated with hazardous chemicals /wastes		130 No/M	130 No/M	130 No/M	Recycle	No change
8	35.3	Chemical sludge from waste water		600 Kg/M	600 Kg/M	600 Kg/M	CHWTSDf	No change
9	37.3	Concentration or evaporation residues		19.5 T/M	19.5 T/M	19.5 T/M	Recycle	No change

MAHARASHTRA POLLUTION CONTROL BOARD

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. Subbarao's Environment Center (SEC), NABET Accredited Environment Consultant. vide letter. No. Nil, Dtd. Nil (uploaded revised on 21/03/2024) and product – mix Proforma are taken on the record.

After due deliberations, Committee noticed that:

- i) Industry has proposed a change in the product mix in its existing facility by increase in production capacity of 11 nos. of products, reduction in production capacity of 7 nos. of products and introducing 12 nos. of new products. Thus, there is no change in overall production of 876.21 MT/A.
- ii) Water consumption in the process is proposed to be reduced by 0.5 CMD after proposed change in product mix. Trade effluent generation is proposed to reduce by 1.263 CMD after a change in the proposed product mix. Trade effluent generation is proposed to reduce by 1.263 CMD after a change in the proposed product mix (86.667 CMD). High COD/High TDS is treated by Multi Effect Evaporator (70 CMD capacity) followed by Agitated Thin Film Dryer. The MEE Condensate is treated in weak stream ETP.
- iii) Industry has Effluent treatment plant for treatment of low COD/low TDS effluents comprising of Primary, Secondary & Tertiary Treatment of design capacity 150 CMD. The primary treated sewage (11.9) is connected to ETP for further treatment. Treated effluent is partly recycled within the plant (92.367) & balance (25.2 cmd) will be discharged to CETP as per the existing CTO.
- iv) After the proposed change in product mix the COD load will reduce by 13.09 Kg/Day & TDS load will remain unchanged @ 671 Kg/Day after change in product mix.
- v) Industry has not proposed any change in Boiler configuration. Industry has switched to cleaner uel PNG from Furnace Oil. However, in case of emergency during non-availability of PNG, LSHS will be used as a fuel for boilers.

MAHARASHTRA POLLUTION CONTROL BOARD

Technical Committee Decision: -

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

- i) Industry shall comply with the conditions stipulated in Environmental Clearance and ensure display /upload of six-monthly compliance monitoring report on their official website.
 - ii) Industry shall not manufacture other products for which permission is not granted by the MPCB.
 - iii) Industry shall ensure the connectivity of the OCEMS data to the Board Servers.
-



MAHARASHTRA POLLUTION CONTROL BOARD

Agenda item No	Item No. 7
Proposal No.	UAN Number: MPCB-CONSENT-0000195696
Project Details	M/s. Maharashtra Aldehydes & Chemicals Ltd, Plot No, A-17, MIDC, Mahad, Taluka- Mahad Dist. Raigad, Maharashtra
NIPL Certificate	NIPL certificate issued by M/s. Aditya Environmental Services Private Limited vide letter dated 10th March 24

Introduction: -

A proposal is submitted vide No. MPCB-CONSENT-0000195696, Dated 24-Jan-2024 along with copies of documents seeking renewal of consent to Operate with Change in Product Mix under the provisions of EIA Notification 2006 amended on 23/11/2016. Accredited Consultant M/s. Aditya Environmental Services Pvt Ltd presented the case, wherein Committee Members pointed out generation of Carbon dioxide gas in the process from the new product Diethyl ketone (DEK). Accordingly, Proponent has submitted letter dt 16th March 2024 for withdrawal of product DEK and submitted revised Certificate dt 10/03/2024 from their accredited Consultant and Presentation giving pollution loads in the changed scenario.

Exiting Clearances: -

- 1) The Environmental Clearance is accorded to the industry vide no. SEIAA-EC-0000002254 on 24/04/2020 for mfg. of Synthetic Organic Chemicals to the tune 5722.5 MT/M including 1100 MT/M of non EC products.
- 2) The Consent to Operate granted by the Board for production of 2806.5 MT/M vide No. Format1.0/AS(T)/UAN0000187515/CO/2401001577 dated 12/01/2024, valid up to 28/02/2024 for manufacture of various Synthetic Organic Intermediates, Distillation (Anhydrous alcohol, Solvents), Formulations (Maxvit, Sanitizers) Sodium sulphate.





MAHARASHTRA POLLUTION CONTROL BOARD

Project details: -

Production Details: -

Sr. No.	Products	Quantity as per E.C. in TPM	Quantity as per Existing CTO in TPM	Proposed Quantity after CIPM in TPM	Remarks as per EC
1	Alkyl Esters of Phthalic acids	1600	1200	1200	No change
2	Ethyl Benzoate	30	30	30	
3	Ethyl Butyrate	100	50	50	
4	Ethyl Propionate	50	50	50	
5	Ethyl Laurate	5	0	0	Not implemented
6	Ethyl Caprate	5	0	0	
7	Ethyl Caproate	5	0	0	
8	Ethyl Heptanoate	5	0	0	
9	Ethyl 2-Methyl Butyrate	5	0	0	
10	Ethyl Valerate	5	0	0	
11	Ethyl Cinnamate	4	0	0	No change
12	Tri ethyl Citrate	100	50	50	Not implemented
13	Tributyl Citrate	15	0	0	No change
14	Acetyl Tributyl Citrate	35	35	35	
15	Syringaldehyde	1.5	1.5	1.5	
16	Trimethyl Hydroquinone TMHQ	20	20	13	Reduction
17	Anisole	500	0	0	Not implemented

Minutes of 6th meeting of Technical Committee (2023-24) dtd 06/03/2024

MAHARASHTRA POLLUTION CONTROL BOARD

18	Anethole	300	50	0	Deleted
19	4-Methoxy Acetophenone	260	0	0	Not implemented
20	1-Piperidino 1-cyclohexene	40	0	0	Deleted
21	Di hydro Anethole	20	3.3	0	Deleted
22	Cis Anethole	10	1.67	0	Deleted
23	2-Methoxy Acetophenone 2-MAP	1	0	0	Not implemented
24	2,4-Diacetyl Anisole	1	0	0	Not implemented
25	Cyclopentanone	100	100	100	No change
26	Anhydrous Alcohol	1200	500	500	No change
27	Distillation of solvents (#)	400	365	365	No change
28	Maxvit Vitamin Formulation (#)	100	100	100	No change
29	Sodium Sulphate	500	50	50	Not implemented
30	Acetic Acid	105	0	0	Not implemented
31	Propionic acid	180	0	0	Not implemented
32	Sanitizers (#)	0	200	200	No change
33	Acetonitrile	0	0	300	New product
	TOTAL	5722.5	2806.5	3044.5	Increase in production quantity compared to C to O by 238 MT/M however within the existing EC quantity of 5722.5 TPM



MAHARASHTRA POLLUTION CONTROL BOARD

- Industry has proposed a change in the product mix in its existing facility by reduction in product TMHQ and discontinuation of Anethole and its co products resulting in reduction of 62 TPM of products and increase in 300 TPM of Acetonitrile. Thus, there is net increase in production by 238 TPM and total production will increase from 2806.5 TPM to 3044.5 TPM which is within the existing EC quantity of 5722.5 TPM.
- The By-products as per the Environmental Clearance are 04 Nos. is proposed to reduce and are shifted in the hazardous waste category with the condition of disposal to the actual user having permissions under Rule 9 of Hazardous and Other Waste (M & TM) Rules, 2016.

A. Water Pollution Load Details:

i) Water Aspect: -

Water Consumption	As per EC in (CMD)	As per C to O in (CMD)	After change in product mix in CMD
Industrial			
Process +APCM	75.00	60.00	60
Boiler			
Cooling	295	295	295
Gardening	25	7	7
Other	0	0	0
Total Industrial	395	362	362
Domestic	15	11.5	11.5
Total	410	373.5	373.5

- Water consumption in the process is proposed to remain same as per existing consent to Operate after proposed change in product mix, which is within EC quantity of 410 CMD.




MAHARASHTRA POLLUTION CONTROL BOARD

ii) Wastewater Aspect: -

Effluent generation	As per EC (CMD)	Existing as per CTO (CMD)	After proposed change in product mix (CMD)
Industrial			
Process +APCM			
Boiler	95	75	75
Cooling			
Gardening	0	0	0
Other	0	0	0
Total Industrial	95	75	75
Domestic	12	8	8
Total	107	83	83

➤ Trade effluent generation is proposed to remain the same after a change in the proposed product mix.

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

Sr. No.	Description	As per E.C.	Existing as per CTO	After NIPL
1.	Process effluent (Strong Stream - High COD & TDS)	Not mentioned in EC	7 CMD	7 CMD
		Not mentioned in EC	140 Kg/day	140 Kg/day
		Not mentioned in EC	1050 Kg/day	1050 Kg/day
2.	Process, Boiler and Cooling Tower Blowdown (Low COD & TDS)	Not mentioned in EC	68 CMD	68 CMD
		Not mentioned in EC	354.28 Kg/day	323.46 Kg/day
		Not mentioned in EC	181.80 Kg/day	177.30 Kg/day

➤ COD load will reduce from 354.28 Kg/day to 323.46 Kg/day & TDS load will reduce from 181.80 Kg/day to 177.30 Kg/day after change in product mix.

MAHARASHTRA POLLUTION CONTROL BOARD

iv) Effluent Treatment System: -

a) Trade Effluent:

- i) **Strong Stream 7 CMD** - Treatment system comprising of Primary (Collection tank, Neutralization tank, Equalization tank, Primary Clarifier/Primary Settling Tank), followed by Batch evaporator.
 - ii) **Weak Stream 68 CMD**- Effluent Treatment plant comprising of Primary, Secondary (Activated Sludge process), Tertiary followed by sludge drying bed.
- b) Domestic Effluent:** The primary treated sewage is connected to effluent treatment plant for further treatment & disposal.

B. Air Emission Aspect: -

Sr No	Description	As per E.C.	Existing as per CTO	After NIPL	Remarks
Fuel Consumption details.					
1	Boiler 2 TPH	Coal 7 TPD	Coal 7 TPD	Coal 7 TPD	NO change
2	Boiler 6TPH	Coal 26 TPD	Coal 26 TPD	Coal 26 TPD	
3	TFH 3Lkcal/ hr	FO 1.2 KL/D or Coal 2.8 TPD	Coal 2.8 TPD	Coal 2.8 TPD	
4	TFH 5 Lakh KCal/Hr	TFH 8 Lakh KCal/Hr Coal 7.2 TPD	Coal 3 TPD	Coal 3 TPD	
5	DG set 62 KVA	HSD 0.5 KL/D	HSD 0.5 KL/D	HSD 0.5 KL/D	No change



MAHARASHTRA POLLUTION CONTROL BOARD

6	DG set 250 KVA	HSD 1.2 KL/D	HSD 1.7 KL/D	HSD 1.2 KL/D	HSD may be prescribed as per EC.
---	----------------	--------------	--------------	--------------	----------------------------------

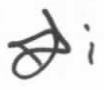
Process emission Aspect: -

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 Vent	15	Scrubber	SO2 (Process) HCL	50 ppm 35 mg/Nm3	SO2 (Process) HCL	50 ppm 35 mg/Nm3

- Industry has not proposed any change in Boiler configuration, Industry has not proposed any changes in the process emissions and scrubber.

C. Hazardous Waste Load: -

Sr. No.	Category	Hazardous Description	Waste	As per E.C (TPM)	Existing CTO (TPM)	As per CIPM (TPM)	Disposal	Remarks
1	28.1	Process Residue & Wastes.		420 KL/M	129 KL/M	86.845 KL/M	CHWTSDF	Reduced
2	28.6	Spent Solvents		270 KL/M	270 KL/M	15 KL/M	CHWTSDF	Reduced
3	35.3	Chemical sludge from water treatment		210 TPM	20 TPM	20 TPM	CHWTSDF	No change
4	33.1	Process sludge/residues acid/toxic compounds	waste containing metals/organic compounds	210 KL/M	60 KL/M	168 (from TMHQ) + 0.55 carbon	CHWTSDF	Increase




MAHARASHTRA POLLUTION CONTROL BOARD

				sludge =168.55 KL/M				
5	-	Ammonium sulfate (from scrubber) (#)	0	7.50 KL/M	0		Sale Authorized party/CHWTSDF	New By product
	Total		1110	277.895	479		-	Reduced

- (#) Ammonium sulfate will be formed during ammonia scrubbing and will be separated as solid/salt in evaporator – (dry basis). The claimed By-product is shifted in Hazardous waste.

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. Aditya Environmental Services Private Limited. No. Nil, Dtd. 10/03/2024 and product –mix Proforma are taken on the record.

After due deliberations, Committee noticed that:

- i) Industry has proposed a change in the product mix in its existing facility by reduction in product TMHQ and discontinuation of Anethole and its co products resulting in reduction of 62 TPM of products and increase in 300 TPM of Acetonitrile. Thus, there is net increase in production by 238 TPM and total production will increase from 2806.5 TPM to 3044.5 TPM which is within the existing EC quantity of 5722.5 TPM.
- ii) The By-products Ammonium sulfate will be formed during ammonia scrubbing and will be separated as solid/salt in evaporator – (dry basis) and is shifted in the hazardous waste category with the condition of disposal to the actual user having permissions under Rule 9 of Hazardous and Other Waste (M & TM) Rules, 2016.
- iii) Trade effluent generation is proposed to remain the same after a change in the proposed product mix.
- iv) The partly treated effluent (32.3 CMD) is recycled/reused 100% in the process/utility and remaining (42.7 CMD) is sent to CETP through drainage line provided by MIDC for further treatment and disposal.




MAHARASHTRA POLLUTION CONTROL BOARD

- v) COD load will reduce from 354.28 Kg/day to 323.46 Kg/day & TDS load will reduce from 181.80 Kg/day to 177.30 Kg/day after change in product mix.
- vi) Industry has not proposed any change in Boiler configuration. Industry has not proposed any changes in the process emissions and scrubber.
- vii) The total Hazardous Waste generation will be reduced after change in product mix compared to EC quantities.

Technical Committee Decision: -

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

- i) Industry shall comply with the conditions stipulated in Environmental Clearance and ensure display /upload of six-monthly compliance monitoring report on their official website.
- ii) Industry shall not manufacture other products for which permission is not granted by the MPCB.
- iii) Industry shall ensure the connectivity of the OCEMS data to the Board Servers.
- iv) The industry shall dispose of the claimed by-products as Hazardous waste as per the provisions of Hazardous & Other Wastes (M & TM) Rules, 2016.