Minutes of 1st 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: 26th April, 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.	Dr. V. M. Motghare, Joint Director (APC)	Member
3.	Mr. M.P.Patil, Chief Scientist & Head(HWMD) Representative nominated by director NEERI	Member
4.	Mr. Anurag Garg, Associate Prof IIT, Mumbai	Member
5.	Shri.S.V.Patil, Head &Technical Advisor, Dept of Alcohol Tech &Biofuel, Vasantdada Sugar Institute, Pune	Invitee Member
6.	Dr.B R. Naidu, Ex Zonal Officer, CPCB	Member
7.	Shri. N. N. Gurav, RO(BMW)	Member convener

At the outset, the request received from the members 1) 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 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-0000156639**
Project Details	**M/s. Deepak Nitrite Limited** Plot No. 1-8 and 26-31 MIDC Dhatav, Tal. Roha, Dist. Raigad -402109.
NIPL Certificate	NIPL certificate issued by Goldfinch Engineering Systems Pvt. Ltd.

Introduction:

This has reference to the online proposal submitted vide No. MPCB-CONSENT-0000156639 along with the copies of documents seeking amendment in existing consent to operate under change in product mix under the provision of EIA Notification 2006 amended on 02.03.2021.

Exiting Clearances:

1. Environmental Clearance is granted to the industry. (F. No. J-11011/363/2016-IA-II(I)) dated 02.01.2018.
2. Amendment in Environmental Clearance is granted to the industry. (F. No. J-11011/363/2016-IA-II(I)) 12th April 2018. for by-products details, details of hazardous waste generation and is management and process emission generation and its management.
3. The unit has valid consent to operate vide No: - Format 1.0/CC/UAN No. MPCB-CONSENT-0000116158/CO/2202001572 dated 24.02.2022 valid up to 30.06.2024.
4. Industry has submitted proposal on PARIVESH portal on 13.01.2023. Single Window No SW/2397/2023

Project details:

A. Products with change in product mix as below:

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	Para Cumidine (PC) & ParaNitro Cumidine (PNC) OR 3 Nitro Amino Benzo tri fluoride (3NABTF)/3 Amino Benzotri Fluoride (3 ABTF)	200	200	0	200
OR	2, 3 Xylidine & 3, 4 Xylidine (Nitro Ortho Xylene) (3NOx 4NOx)	-	0	10	10
OR	3-Nitrobenzotrifluoride (3-Nitro BTF)	-	0	200	200
2	Ortho Anisidine (OA) OR Tri Methyl Hydro Quinine (THMQ)	50	30	-10	20
3	2, 3 Xylidine & 3, 4 Xylidine (Nitro Ortho Xylene)	250	250	300	550
OR	2, 4 Xylidine & 2, 6 Xylidine OR 2, 5 Xylidine OR 2, 3 Xylenol OR 2, 4 Xylenol & 2, 5 Xylenol			0	250
4	Diphenyl amine derivatives- 4-Methoxy-2- Methyl Diphenyl Amine (MMDPA)	50	60	0	60
5	Crystal Diethyl Meta Amino Phenol (Cryst. DEMAP) OR Dibutyl Para Phenylene Di Amine (DBPPDA) OR 3 NAP (3 Nitro Acetophenone) OR 3 AAP (3 Amino Acetophenone) OR 3 HAP (3 Hydroxy Acetophenone)	40	10	0	10

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
6	3 Trifluoro Methyl Acetophenone OR (TFMAP)	80	110	10	120
	Meta Hydroxy Benzo Trifluoride (MHBTF)	0			
OR	Otho Hydroxy Benzotrifluoride (OH-BTF)	-	0	20	20
OR	2-Pentanone Oxime	-	0	120	120
OR	Diphenyl amine derivatives- 4-Methoxy-2- Methyl DiphenylAmine (MMDPA)	0	0	5	5
7	2 Methyl p-Phenylene Diamine Sulphate (2MePPDA Sulfate)	60	70	-5	65
	1,3 Cyclohexanedione (1,3 CHD)				
OR	Ortho Toluidine (OT)	-	0	65	65
OR	p-Phenelene diamine (PPDA) & Aniline (While Manufacturing PPDA, Co-Product aniline generated)			125	125
8	Pilot Plant Product (synthetic Organic chemical)	10	10	0	10
	TOTAL	**740**	**740**	**355**	**1095**

❖ **Change in the product mix in its existing facility is achieved by Addition of 6 new products, No Change in 16 Existing Products, decrease in production capacity of 4 existing products & Increase Production of 3 Existing Products.**

- **The proposed activity is in such a way that the total production will increased i.e. 355 MT/M, keeping the pollution load within the consent limit.**

B. Pollution load Details:

(i) Water & Wastewater Aspect

Before Product Mix

Sr. No.	Particulars	Quantity in CMD										
1	Water Consumption	398.3										
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	165.8	14.4	-	-	-	-	-	-	-	-	-
b	Washing Activity	23	-	-	-	-	-	-	-	-	-	
c	Cooling Tower & Boiler	39	-	-	-	-	-	-	-	-	-	-
Total (Trade)		**227.8**	**14.4**	**213.4**	**18028**	**259.5**	**33641**	**7179.9**	**383663**	**5522**	**61313**	**13085.6**
c	Domestic Effluent Generation, CMD	31		31	-	-	600	18.6	-	-	600	18.6
	Total	**258.8**	**258.8**		**28816 mg/L**		**7458 Kg/Day**		**14408 mg/L**		**18626.3 Kg/Day**	

After Product Mix

Sr. No.	Particulars	Quantity in CMD										
1	Water Consumption	397.6										
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	162.9	15.7	-	-	-	-	-	-	-	-	-
b	Washing Activity	23	-	-	-	-	-	-	-	-	-	
c	Cooling Tower & Boiler	39	-	-	-	-	-	-	-	-	-	-
Total (Trade)		224.9	15.7	209.2	51325	805.9	31546	6599.5	342800	5382.5	60845	12729
c	Domestic Effluent Generation, CMD	31		31	-	-	600	18.6	-	-	600	18.6
	Total	255.9	255.9		29011 mg/L		7424 Kg/Day		70848 mg/L		18130 Kg/Day	

PP herewith request to maintain the quantities of water consumption and effluent generation as per existing CTO i.e. 400 CMD and 259 CMD respectively

- Water Consumption will reduce by: 0.7 CMD
- Effluent generation will reduce by: 2.9 CMD

- Average COD Load will reduce by: 34 Kg/Day

- **It is seen from above figures that, after change in product mix the COD, BOD & TDS values of effluent are reducing by about 0.45 %, 0.46% & 2.66 % respectively**
- **The existing ETP is treating the waste water generated from the existing products to the consented standards. Since the waste water generated from the proposed product mix will be reduced by 2.9 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 waste water generated after the change in the product mix. However, the adequacy analysis is based on the values of existing waste water parameters as they are the same as the parameters of the waste water 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:

- The generated High COD/TDS stream of 15.00 CMD from process is being treated in a treatment system consisting of primary (collection tank, neutralization tank, and primary clarifier), stripper, multi effect evaporator followed by ATFD.
- The MEE condensate is treated along with Weak COD/TDS stream of 213.00 CMD in the ETP comprising of primary (collection tank, neutralization tank, equalization tank, flash mixer, primary clarification/primary settling tank), secondary (activated sludge process, bio tower), tertiary (pressure sand filter & Activated carbon filter) with design capacity of 400 CMD.
- Treated waste water after PSF and ACF is partially discharged to CETP and balance send to Reverse Osmosis plant. RO permeate is recycle in facility and RO reject is send to MEE.

b) Domestic Effluent:

- Sewage is being treated in Sewage Treatment Plant of designed capacity 50 CMD for the treatment of 31.0 CMD of sewage.
- Treated sewage is being used for gardening as per the consent. Existing treatment facility seems to be adequate and is being operated satisfactorily.

- The same practice will be continued for the changed production profile also for waste water treatment.

(ii) Air Emission Load:

Stack No.	Stack Attached to	Existing Fuel Consumption	Fuel Consumption after Change in Product Mix	APC system	Stack Height
S-1	Boiler I-(8 TPH) Thermopack 6 Lakh Kcal/hr	Coal: 32.83 MT/Day	NO Change	Fabric Bag Filter	34 m
S-2	Boiler II-(8 TPH)	LSHS -11.25 KL/D or HSD-11.25 KLD	FO-11.25 KL/D Changed to LSHS -11.25 KL/D or HSD- 11.25 KLD	Stack	24.50 m
	Hot Oil Unit (4 Lakh Kcal/hr)	Coal for Hot Oil 1 MT/Day	NO Change	Fabric Bag Filter	24.50 m
S-3	Hot Oil Unit (4 Lakh Kcal/hr)	LSHS 20.83 kg/hr for 4 Lakh Kcal/hr Hot Oil Unit	Furnace Oil 20.83Kg/Hr Changed to qty 20. 83Kg/Hr LSHS for 4 Lakh Kcal/hr	Fabric Bag Filter	20 m
S-4	Boiler-III (20 TPH)	Coal 60 MT/Day	NO Change	Fabric Bag Filter ESP	36 m
S-5	D.G. Set 750 KVA	HSD 200 Ltr/Hr	NO Change	Acoustic Enclosure Stack	3.50 m
S-6	D.G. Set 750 KVA	HSD 200 Ltr/Hr	NO Change	Acoustic Enclosure Stack	3.50 m

Stack No.	Stack Attached to	Existing Fuel Consumption	Fuel Consumption after Change in Product Mix	APC system	Stack Height
S-7	D.G. Set 500 KVA	HSD 162 Ltr/Hr	NO Change	Acoustic Enclosure Stack	3.50 m

Flue Gas Parameter:

Sr. No.	Parameters:	Fuel	Before change in product-mix	After change in product-mix	MPCB Norms
1	**Total Particulate Matter** Boiler-I (8 TPH)/ Thermopack 6 Lakh Kcal/hr	Coal	20-50 mg/Nm^3	No Change	<150 mg/Nm^3
2	**SO_2** Boiler-I (8 TPH) / Thermopack 6 Lakh Kcal/hr	Coal	10-30 Kg/Day	No Change	<600 Kg/Day
3	**Total Particulate Matter-** Boiler -II (8 TPH)	Existing: FO Proposed: LSHS or HSD	<150 mg/Nm^3	No Change	<150 mg/Nm^3
4	**SO2-**Boiler -II (8 TPH)	Existing: FO Proposed: LSHS or HSD	<2430 Kg/day	No Change	<2430 Kg/day
5	**Total Particulate Matter-**Hot Oil unit (4 LakhKcal/hr)	Coal	20-50 mg/Nm^3	No Change	<150 mg/Nm^3
6	**SO2-** from Hot Oil unit (4 LakhKcal/hr)	Coal	10-30 Kg/Day	No Change	< 240 Kg/Day

Sr. No.	Parameters:	Fuel	Before change in product-mix	After change in product-mix	MPCB Norms
7	**Total Particulate Matter-Hot Oil unit (4 Lakh Kcal/hr)**	Existing: FO Proposed: LSHS or HSD	<150 mg/Nm^3	No Change	<150 mg/Nm^3
8	**SO2-** from Hot Oil unit (4 Lakh Kcal/hr)	Existing: FO Proposed: LSHS or HSD	<45 Kg/day	No Change	45Kg/Day
9	**Total Particulate Matter-** Boiler –III (20 TPH)	Coal	20-50 mg/Nm^3	No Change	<150 mg/Nm^3
10	**SO2-** from Boiler –III (20 TPH)	Coal	10-30 Kg/Day	No Change	<600 Kg/Day
11	**Total Particulate Matter-** D.G. Set 750 KVA	HSD	10-40 mg/Nm^3	No Change	<150 mg/Nm^3
12	**SO2--** D.G. Set 750 KVA	HSD	1-20 Kg/day	No Change	<96 Kg/day
13	**Total Particulate Matter-** D.G. Set 750 KVA	HSD	10-40 mg/Nm^3	No Change	<150 mg/Nm^3
14	**SO2--** D.G. Set 750 KVA	HSD	1-20 Kg/day	No Change	<96
15	**Total Particulate Matter-** D.G. Set 500 KVA	HSD	10-40 mg/Nm^3	No Change	<150 mg/Nm^3
16	**SO2--** D.G. Set 500 KVA	HSD	1-20 Kg/day	No Change	<96

Process stack:-

Sr. No.	Stack Attached to	APC system	Stack Height
1	Process stack	Water Scrubber Scrubbing Media:-10% Soda Solution	11 m

Process emission Parameters:

Sr. No	Parameters	Before change in product-mix	After change in product-mix	Standards as per MPCB
1	Acid Mist	5-15 mg/Nm^3	5-15 mg/Nm^3	35 mg/Nm^3
2	SO2 (From process)	10-20 PPM	10-20 PPM	50 PPM

(iii) Hazardous Wastes load;

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

Sr. No	Type of Waste	Cat. No.	As per EC	Existing Qty as per CTO	After Change in Product Mix Qty.	Disposal
1.	Used/Spent Oil	5.1	91 MT/M	91 MT/A	91 MT/A	Sale to authorized party / CHWTSDF
2.	Spent Chemical/Spent Acid	32.1	836 MT/M	10853.9 MT/A	10322.1 MT/A	Sale to authorized party / CHWTSDF
3.	Chemical sludge from waste water treatment	35.3	50 MT/M	2378 MT/A	2378 MT/A	CHWTSDF

Sr. No	Type of Waste	Cat. No.	As per EC	Existing Qty as per CTO	After Change in Product Mix Qty.	Disposal
4.	Empty barrels / containers /liners contaminated with hazardous chemicals /wastes	33.1	25 Nos/M	300 Nos./Y	300 Nos./Y	CHWTSDF
5.	Spent Catalyst	35.2	0.07 MT/M	0.646 MT/A	0.480 MT/A	Sale to authorized party / CHWTSDF
6.	Any process or distillation residue	36.1	28 MT/M	336.2 MT/A	602 MT/A	CHWTSTF
7.	Concentration or evaporation residue	37.3	1778 MT/M	564 MT/A	564 MT/A	CHWTSTF
8.	20.4 Process Sludge (Ortho Nitro Cumene (from p Cumidiene	20.4	150 MT/M	1799.5 MT/A	1799.5 MT/A	Sale to authorized party / CHWTSDF
9.	Process residue 2 Nitro BTF/ 2 Amino BTF/4 Amino BTF	20.4	41 MT/M	491.8 MT/A	491.8 MT/A	Sale to authorized party / CHWTSDF Recovered IPA
10.	Spent chemical	32.1	135 MT/M	1619.8 MT/A	1767.1 MT/A	Sale to authorized party / CHWTSDF
11.	20.4 Process Sludge (OHBTF/OA BTF From TFMAP)	20.4	20 MT/M	239.5 MT/A	261.3 MT/A	Sale to authorized party / CHWTSDF
12.	20.4 Process Sludge (Ortho Toluidine (OT))	20.4	25 MT/M	179.8 MT/A	167 MT/A	Sale to authorized party / CHWTSDF
13.	20.4 By product (Aniline)	20.4	Not Mentioned	119.8 MT/A	119.8 MT/A	Sale to authorized party / CHWTSDF

Sr. No	Type of Waste	Cat. No.	As per EC	Existing Qty as per CTO	After Change in Product Mix Qty.	Disposal
	Total		**3154.07 MT/M**	**18676.84 MT/A**	**18563.98 MT/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 Goldfinch Engineering Systems Pvt. Ltd and product mix Proforma are taken on the record.

Committee after due deliberations noticed that;

i. Due to the proposed activity the total production of existing quantity will be increased from 740 MT/M to 1095 MT/M i.e. 355 MT/M increase in existing production capacity, whereas the pollution load is within the consented limits.

ii. Change in the product mix in its existing facility will be achieved by
   - Decreasing production capacity of 4 existing product,
   - Increasing production capacity of 3 existing products,
   - Addition of 6 new products and
   - Keeping the production capacity of 16 existing product same.

iii. PP shall maintain the quantities of water consumption and effluent generation as per existing CTO i.e. 400 CMD and 259 CMD respectively
   - Water Consumption will reduce by: 0.7 CMD
   - Effluent generation will reduce by: 2.9 CMD
   - Average COD Load will reduce by: 34 Kg/Day

- It is seen from above figures that, after change in product mix the COD, BOD & TDS values of effluent are reducing by about 0.45 %, 0.46% & 2.66 % respectively

iv. Change of Fuel FO to LSHS/HSD, No increase in air pollution
v. The Hazardous waste generated from Proposed product is reduced by 110.48 MT/A
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 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.

Agenda item No	**Item no 2**
Proposal No.	MPCB-CONSENT-0000162306A
Project Details	**M/s. IPCA Laboratories Limited (UNIT-II).** Plot No. G-4 to G-7, MIDC Waluj,Tal. Gangapur, Dist. Aurangabad.
NIPL Certificate	NIPL certificate issued by Goldfinch Engineering Systems Pvt. Ltd.

Introduction:

This has reference to the online proposal submitted. UAN no. MPCB-CONSENT-0000162306A along with the copies of documents seeking CTE under change in product mix under the provision of EIA Notification 2006 2006 amended on 02.03.2021.

Exiting Clearances:

1. Environmental Clearance is granted to the industry vide SEIAA-EC-0000000322 dated 01.06.2018.
2. The unit has valid consent to operate vide No. Format1.0/CC/UAN No. MPCB CONSENT-0000108590/CR/2205000402 valid up to 31.12.2024.
3. Industry has submitted proposal on PARIVESH portal on 22.02.2023 Single Window No (SW/2444/2023)

Project details:

A. Products with change in product mix as below:

Sr. No.	Product	EC Quantity (MT/A)	As per Existing CTO (MT/A)	Addition (+)/ Deletion (-)	Proposed/ after product mix (MT/A)
1	DSA	120	110	-60	50

Sr. No.	Product	EC Quantity (MT/A)	As per Existing CTO (MT/A)	Addition (+)/ Deletion (-)	Proposed/ after product mix (MT/A)
2	T-2A	24	4	-4	0
3	3-MT-2A	20	20	-10	10
4	Chlorthalidone	5	2	-2	0
5	TFDSA	5	2	-2	0
6	CPSP	50	95	-45	50
7	Metoclopramide HCL	25	1	-1	0
8	Acelofenac	5	2	-2	0
9	Valsartan (MV-1 - HCL)	20	120	+60	180
10	TBCA	50	40	0	40
11	Leo-Ester	10	5	-5	0
12	PTU(P-Toluene Sulfonil Urea)	10	5	-5	0
13	Lasamide	100	100	+100	200
14	3-CPP (Intermediate of Buprobion)	10	2	-2	0

Sr. No.	Product	EC Quantity (MT/A)	As per Existing CTO (MT/A)	Addition (+)/ Deletion (-)	Proposed/ after product mix (MT/A)
15	DCBOC (Intermediate of Limotrigind)	10	2	-2	0
16	CPD	10	2	-2	0
17	DTP (Intermediate of Quetiapine)	10	2	-2	0
18	TBTC	50	20	-15	5
19	R&D Product	5	5	-1	4
Total		**539**	**539**	**0**	**539**

- ❖ **Change in the product mix in its existing facility is achieved by:**
  - **Increasing production capacity of 2 existing products,**
  - **No Change in 1 Existing Products,**
  - **Deletion of 11 Existing Products and**
  - **Decreasing production capacity of 5 existing products.**
- **The proposed activity is in such a way that the total production will remain the same i.e. 539 MT/A. and also pollution load is within the consented limits.**

B. Pollution load Details:

(i) Water & Wastewater Aspect

Before Product Mix

Sr. No.	Particulars	Quantity, CMD
1	Water Consumption	229.2
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	86.1	55.6	35.5	9383	521.7	169	6	2405	133.7	1042	37
b	Cooling Tower & Boiler	5	-		-	-			-	-		
Total (Trade)		**91.1**	**55.6**	**35.5**	**9383**	**521.7**	**169**	**6**	**2405**	**133.7**	**1042**	**37**
c	Domestic Effluent, CMD	15	-		-	-	600	9	-	-	700	10.5
Grand Total		**106.1**	**55.6**	**35.5**	**9383**	**521.7**	**769**	**15**	**2405**	**133.7**	**1749.1**	**47.5**

After Product Mix

Sr. No.	Particulars	Quantity, CMD
1	Water Consumption	227.3

Sr. No.	Particulars	Quantity, CMD									
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	85.7	55.2	35.5	6699	369.8	169	6	2377	131.2	1042	37
b	Cooling Tower & Boiler	5	-		-	-			-	-		
Total (Trade)		**90.7**	**55.2**	**35.5**	**6699**	**369.8**	**169**	**6**	**2377**	**131.2**	**1042**	**37**
c	Domestic Effluent, CMD	15	-		-	-	600	9	-	-	700	10.5
	Grand Total	**105.7**	**55.2**	35.5	**6704**	**369.8**	**769**	**15**	**2379**	**131.2**	**1049.1**	**47.5**

PP herewith request to maintain the quantities of water consumption and effluent generation as per the existing CTO i.e.,230 CMD and 106.1 CMD respectively.

- Water Consumption will be reduced by 1.9 CMD.
- Effluent generation will reduce by 0.4 CMD.
- **It is seen from the above figures that, after change in product mix the COD, BOD & TDS values of effluent are decreased by 29%, 27.8% & 1.86% respectively.**

- **This major reduction in COD & BOD is due to the change in the process of Lasamide i.e., from batch process to continuous process. 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 has decreased in parameters, existing ETP is adequate to treat the wastewater generated after change in product mix. However, the adequacy analysis is based on the values of existing wastewater parameters as after change in product mix pollution load is on lower side.**

- **Pollution load of all parameters are calculated on the basis of worst-case scenario.**

Treatment System:

- The trade effluent is segregated into Strong stream & Weak stream. Strong stream from process is treated in Stripper, MEE followed by ATFD.
- Weak stream from utility blow downs is being treated in full-fledged ETP comprising of primary (collection tank, Neutralization tank, Equalization tank, Primary clarifier/Primary settling tank), Condensate from MEE along primarily treated lean stream is fed to Secondary (Bio reactor), followed by Tertiary (Pressure sand filter & Activated carbon filter). Treated effluent is fed to Reverse osmosis.
- Tertiary treated wastewater amounting to 55.6 CMD is fed to RO. RO permeate is recycled in utilities & RO reject is fed to MEE.
- Tertiary treated effluent amounting to 35.50 CMD after achieving MPCB standards is being discharged to CETP.
- Salts from ATFD sent to CHWTSDF
- Domestic wastewater 15 CMD is treated separately in STP having capacity 40 CMD

(ii) Air Emission Load:

Sr. No.	Stack Attached to	As per EC	As per CTO	Existing Fuel Consumption	Proposed Fuel Consumption	APC system	Stack Height from ground
S-1	Boiler-1 (2TPH)	Coal/Briquette-15 MT/Day	Coal-6 MT/Day	Coal-6 MT/Day	No Change	Fabric Bag Filter Multi Cyclone	36 m
			Briqutte-15 MT/Day	Briqutte-15 MT/Day			
S-3	DG Set-1 1000 KVA	--	HSD 300 Lit/Day	HSD 300 Lit/Day	No Change	Acoustic Enclosure Stack	30 m*
S-4	DG Set-2 600 KVA**	--				Acoustic Enclosure Stack	30 m

- *** The existing CTO height of DG Set-1 (1000 KVA) is mentioned as 6 m above the roof, the actual stack height provided is 30 m from the ground. Hence, request to correct the stack height while issuing the consent.**
- ****As per CTE under change in product mix application one additional DG of 600 KVA capacity is proposed but no change in fuel quantity, total combined fuel quantity for both DG set (1000 KVA and 600 KVA) will be 300 liter/day.**

Flue Gas Parameter: -

Sr. No.	Parameters	Before change in product-mix	After change in product-mix	Standards as per MPCB
1	PM (From Coal)	20-40 mg/Nm^3	20-40 mg/Nm^3	50 mg/Nm^3
2	SO_2 (From Coal)	2-10 kg/day	2-10 kg/day	60 kg/day
3	SO_2 (From HSD)	0.5-2.5 Kg /day	0.5-2.5 Kg /day	6 Kg/day

Process Stack:

Sr. No.	Stack Attached to	APC system	Stack Height
1	Process Scrubber	Venturi Scrubber	16 m

Process emission Parameters:

Sr. No	Parameters	Before change in product-mix	After change in product-mix	Standards as per MPCB
1	Acid Mist	5-15 mg/Nm^3	5-15 mg/Nm^3	35 mg/Nm^3
2	SO2 (From process)	10-20 PPM	10-20 PPM	50 PPM
3	NH3*	<50 PPM	<50 PPM	Not Mentioned

***NH_3 is a parameter generating from existing Products but missing in current CTO, now incorporated in ACTO.**

(iii) Hazardous Wastes load;

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

Sr. No	Type of Waste	Cat. No.	As Per EC	As Per CTO.	Existing Qty.	After Change in Product Mix Qty.	UOM	Disposal
1	Used or spent oil	5.1	1.5	1.5	1.5	1.5	MT/A	Sale to Authorized Party/CHWTSDF

Sr. No	Type of Waste	Cat. No.	As Per EC	As Per CTO.	Existing Qty.	After Change in Product Mix Qty.	UOM	Disposal
2	Spent Carbon	28.3	36	32.67	32.67	12.25	MT/A	CHWTSDF
3	Spent Organic Solvent	28.6	18	106.99	106.99	160.49	MT/A	Sale to Authorized Party/CHWTSDF
4	Empty barrels /containers/liners contaminated with hazardous chemicals/wastes	33.1	2500 MT/A	2500 Nos/A	2500 Nos/A	2500 Nos/A	Nos/A	Sale to Authorized Party/CHWTSDF
5	Chemical sludge from wastewater treatment	35.3	720	720	720	720	MT/A	CHWTSDF
6	Any process or distillation residue	36.1	276*	204.87	204.87	207.15	MT/A	CHWTSDF
7	Process Residue and wastes	28.1	200	162.05	162.05	70.62	MT/A	CHWTSDF
8	Concentration or evaporation residues	37.3	80	80	80	80	MT/A	CHWTSDF
9	Date-expired products	28.5	15	15	15	15	MT/A	CHWTSDF
10	Off specification products	28.4	5	5	5	5	MT/A	CHWTSDF
11	Spent ion exchange resin containing toxic	35.2	4	4	4	4	MT/A	CHWTSDF

Sr. No	Type of Waste	Cat. No.	As Per EC	As Per CTO.	Existing Qty.	After Change in Product Mix Qty.	UOM	Disposal
	metals							
12	Spent Acid	28.1	400	422	422	476.47	MT/A	CHWTSDF
13	E-Waste	--	1	1	1	1	MT/A	Sale to Authorized Recycler/ Dismantler

***PP claimed that, In issued EC quantity is reflected wrongly as 27.6 MT/A, actually it is 276 MT/A**

Non-Hazardous Waste:

Sr. No	Type of Waste	As Per CTO	Existing Qty.	After Change in Product Mix Qty.	UOM	Disposal
1	M.S. Scrap	1500	1500	1500	Kg/M	Sale to authorized party
2	Paper Waste	12	12	12	MT/A	Sale to authorized party
3	Packing Boxes/ Corrugated Boxes	6	6	6	MT/A	Sale to authorized party
4	Broken Glass	2.0	2.0	2.0	MT/A	Sale to authorized party
5	Boiler Ash	182.50	182.50	182.50	MT/A	Sale to Brick Manufacturer

6	Wooden Scrap	4.0	4.0	4.0	MT/A	Sale to authorized party
7	Plastic Scrap Bags	4.0	4.0	4.0	MT/A	Sale to authorized party
8	Electrical wire	1.0	1.0	1.0	MT/A	Sale to authorized party
9	Cartridge filters	1.0	1.0	1.0	MT/A	Sale to authorized party
10	Empty cleaned drums carboys etc.	4560	4560	4560	No/M	Sale to authorized party
11	Empty Filter Bags	100	100	100	No/M	Sale to authorized party
12	Empty cleaned fibers drums	1000	1000	1000	Nos/Y	Sale to authorized party

- **There is reduction in hazardous waste after change in product mix i.e. 1.61 MT/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 Goldfinch Engineering Systems Pvt. Ltd and product mix Proforma are taken on the record.

Committee after due deliberations noticed that;

i. **Change in the product mix in its existing facility is achieved by:**
   - **Increasing production capacity of 2 existing products,**
   - **No Change in 1 Existing Products,**

- **Deletion of 11 Existing Products and**
- **Decreasing production capacity of 5 existing products.**
- **The proposed activity is in such a way that the total production will remain the same i.e. 539 MT/A. and also pollution load is within the consented limits.**

ii. PP herewith request to maintain the quantities of water consumption and effluent generation as per the existing CTO i.e.,230 CMD and 106.1 CMD respectively.

- Water Consumption will be reduced by 1.9 CMD.
- Effluent generation will reduce by 0.4 CMD.
- **It is seen from the above figures that, after change in product mix the COD, BOD & TDS values of effluent are decreased by 29%, 27.8% & 1.86% respectively.**

iii. As per CTE under change in product mix application one additional DG of 600 KVA capacity is proposed but no change in fuel quantity, total combined fuel quantity for both DG set (1000 KVA and 600 KVA) will be 380 liter/day.

iv. NH_3 is a parameter generating from existing Products but missing in current CTO, now incorporated in ACTO

v. PP claimed that, In issued EC quantity is reflected wrongly as 27.6 MT/A, actually it is 276 MT/A

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 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.

Agenda item No	**Item no 3**
Proposal No.	**MPCB-CONSENT-0000134276**
Project Details	**M/s. AARTI DRUGS LTD.** W-60(B), 61(B), 62(B), 71(B), 72(B), 73(B), M.I.D.C. Tarapur, Palghar.
NIPL Certificate	NIPL certificate issued by Goldfinch Engineering Systems Pvt. Ltd.

Introduction:

This has reference to the online proposal submitted. UAN No. MPCB-CONSENT-0000134276 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 2006 amended on 02.03.2021.

Exiting Clearances:

1. Environmental clearance (EC ref no. SEAC-2016/CR-20/TC-2) was issued for the said facility on 06.02.2017.
2. The unit has valid consent to operate vide No: Format1.0/AS(T)/UAN No.0000154535/CR/2303001119 dated 16.03.2023 valid up to 31.01.2028
3. Industry has submitted proposal on PARIVESH portal on 16.03.2022 Single Window No (SW/2012/2022)

The said proposal was discussed in First sitting of 2nd meeting of Technical Appraisal Committee 2022-23 dated 18th August, 2022 and after detailed deliberation committee deferred the proposal and asked PP to assess the load along with NIPL certificate and was advised the PP to furnish the compliance of specific conditions. Accordingly pp presented the revised proposal along with the compliance which is discussed as under,

Project details:

A. Products with change in product mix as below:

Sr. No.	Product	EC Quantity (MTPM)	As per existing CTO Quantity (MTPM)	Proposed Production quantity (MTPM)	Remark
1	Aceclofenac (MCA route)	15	15	10	Any one in a group 1 can be produced in a month
OR	Aceclofenac (CAC route)	0	12	12	
OR	Ticlo.HCL	5	5	5	
OR	Diclofenac Sodium	0	15	15	
OR	Diclofenac Potassium	0	10	10	
OR	Pioglitazone HCl	0	2.7	2.7	
OR	Fluconazole	0	0	2	
OR	Tenligliptin	0	0	13	
OR	Vildagliptin	0	0	5	
	Potassium Chloride (KCl)	0	0	9	
2	Tolnaftate	3	3	3	Any one in a group 2 can be produced in a month
OR	Celecoxib	25	25	25	
OR	Moxifloxacin Hydrochloride	0	0	4	

Sr. No.	Product	EC Quantity (MTPM)	As per existing CTO Quantity (MTPM)	Proposed Production quantity (MTPM)	Remark
3	Ornidazole (Oil Base)	40	40	40	Any one in a group 3 can be produced in a month
OR	Secnidazole	10	10	10	
OR	Itraconazole	0	15	15	
	Total	**98**	**80**	**80**	

- ❖ **Change in the product mix in its existing facility is achieved by:**
  - **Decreasing production capacity of 1 existing products,**
  - **Keeping same production capacity of 10 existing product,**
  - **Addition of 5 new products.**
- ❖ **The proposed activity is in such a way that the total production will remain same i.e., 80 MT/M, keeping the pollution load within the consent limit.**

B. Pollution load Details:

(i) Water & Wastewater Aspect

Before Product Mix

Sr. No.	Particulars	Quantity in CMD											
1	Water Consumption							66.89					
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	7.33	**0.66**	**9.33**	**2539358**	**1688.4**	**1815**	**16.9**	**642584**	**427.2**	**1704**	**15.9**
b	Cooling Tower & Boiler	2.66	0		0	0			0	0		
Total (Trade)		**9.99**	**0.66**	**9.33**	**2539358**	**1688.4**	**1815**	**16.9**	**642584**	**427.2**	**1704**	**15.9**
c	Domestic Effluent Generation, CMD	5	-		-	-	600	3	-	-	600	3
	Grand Total	**14.99**	**0.66**	**9.33**	**2539358**	**1688.4**	**2415**	**19.3**	**642584**	**427.2**	**2304**	**18.9**

After Product Mix

Sr. No.	Particulars	Quantity in CMD
1	Water Consumption	66.80

Sr. No.	Particulars	Quantity in CMD										
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	7.24	0.66	9.33	2539358	1688.4	1834	16.9	642584	427.2	1724	15.9
b	Cooling Tower & Boiler	2.66	-	-	-	-			-	-		
Total (Trade)		9.90	0.66	9.33	2539358	1688.4	1834	16.9	642584	427.2	1724	15.9
c	Domestic Effluent Generation, CMD	5	-		-	-	600	3	-	-	600	3
	Grand Total	14.90	0.66	9.33	2539358	1688.4	2434	19.3	642584	427.2	2324	18.9

PP herewith request to maintain the quantities of water consumption and effluent generation as per the existing CTO i.e.,67 CMD and 10 CMD respectively.

- Water Consumption **will reduce by 90 Lit/Day**

- Effluent generation will reduce by **90 Lit/Day.**
- **It is seen from above figures that, after change in product mix the COD, BOD & TDS values of effluent are no change**
- **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 has no change in parameters it is clear that existing ETP is adequate to treat the waste water generated after change in product mix. However, the adequacy analysis is based on the values of existing wastewater parameters and there is no change in the waste water generated from the proposed product mix. HTDS from process i.e., 0.66 CMD will be treated separately in MEE installed in the Aarti Drugs Ltd T-150 unit as per existing consent.**
- **Pollution load of all parameters are calculated on the basis of worst-case scenario.**

Treatment System

a) **Trade Effluent:**

- Effluent is segregated into two streams High COD/TDS & low COD/TDS. The concentrated effluent amounting to 0.66 is being treated separately in MEE installed in the Aarti Drugs Ltd T-150 unit and remaining 9.34 CMD after treatment is being discharged to CETP as per existing consent.
- The lean stream effluent treated in full flagged ETP comprising of Primary (Collection tank, Neutralization tank, Equalization Tank, Flash Mixer, Primary Clarifier/Primary settling Tank), Secondary (Bio Reactor), Tertiary (Pressure sand Filter & Activate Carbon Filter).
- After achieving the discharge norms of consent, treated effluent is disposed to CETP.
- Effluent Treatment Facilities is sufficient and adequate to treat the effluent after Change in product Mix also. So herewith Aarti Drugs W-61 confirms that there is no requirement of up-gradation in Effluent Treatment Facilities.
- As per CPCB guidelines, ONLINE EFFLUENT MONITORING SYSTEM is installed at v-notch where from monitoring data of discharge effluent is continuously being uploaded to MPCB & CPCB server.

b) Domestic wastewater 5 CMD is soaked in soak pit as per consent.

(ii) Air Emission Load:

Sr. No	Stack Attached to	Fuel	As Per CTO	As Per EC	Existing Fuel Consumption	Proposed Fuel Consumption	APC system	Stack Height
1	Boiler (4 TPH)	Coal	125 Kg/Hr	--	Coal: 125 Kg/Hr	No Change	Dust Collector & Bag Filter	30 m
		FO	Not Mentioned	0.05 kl/Hr				
2	D.G. Set (500 KVA)	HSD	50 Lit/Hr	Not Mentioned	50 Lit/Hr	No Change	Acoustic Enclosure	12 m
3	D.G. Set (320 KVA)	HSD	30 Lit/Hr	Not Mentioned	30 Lit/Hr	No Change	Acoustic Enclosure	12 m

Process Stack:

Sr. No.	Stack Attached to	APC system	Stack Height
1	Process Scrubber	Alkali Scrubber	3.5 m Above the roof level

Process Emissions:

Sr. No	Parameters	Before change in product-mix	After change in product-mix	Standards as per MPCB
1	Acid Mist	10-20 mg/Nm^3	No Change	35 mg/Nm^3

Flue Gas Emissions: -

Sr. No.	Parameters	As Per CTO	Before change in product-mix	After change in product-mix
1	PM (From Coal)	150 mg/Nm3	90-110 mg/Nm3	90-110 mg/Nm3
2	SO2 (From Coal)	30 Kg/Day	15-25 Kg/Day	15-25 Kg/Day
3	PM (From HSD)	150 mg/Nm3	80-100 mg/Nm3	80-100 mg/Nm3
4	SO2 (From HSD)	38 Kg/Day	10-20 Kg/Day	10-20 Kg/Day

(iii) Hazardous & Other Wastes load;

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

Sr. No	Type of Waste	Cat. No.	As Per EC	As Per CTO	Existing Qty.	After Change in Product Mix Qty.	Disposal
1	Spent Catalyst	28.2	2368 Kg/M	2364 Kg/M	914 Kg/M	610 Kg/M	Co-processing to Cement Kilns/CHWTSDF
2	Spent Carbon	28.3			1442 Kg/M	1714 Kg/M	Co-processing to Cement Kilns/CHWTSDF
3	Chemical sludge from wastewater treatment	35.3	300 Kg/M	300 Kg/M	300 Kg/M	300 Kg/M	Co-processing to Cement Kilns/CHWTSDF

Sr. No	Type of Waste	Cat. No.	As Per EC	As Per CTO	Existing Qty.	After Change in Product Mix Qty.	Disposal
4	Spent Solvent	28.5	44 MT/M	43923 Kg/M	43745 Kg/M	42957 Kg/M	Sale to Authorized Re-processors (Recovered Acid Solvent from Process)
5	Process Residue (Spent HCl Generating from Fluconazole only)	28.1	--	--	--	840 Kg/M	Sale to Authorized Re-processors (Recovered Acid Solvent from Process)/CHWTSDF
6	Process Residue (Sodium Hypochlorite Solution Generating from Fluconazole only)	28.1	--	--	--	13457 Kg/M	CHWTSDF/Sale to Authorized Re-processors (Recovered Acid Solvent from Process)

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.

Committee after due deliberations noticed that;

i. Proposal was discussed in First sitting of 2nd meeting of Technical Appraisal Committee 2022-23 dated 18th August, 2022 and after detailed deliberation committee deferred the proposal and asked PP to assess the load along with NIPL certificate and was advised the PP to furnish the compliance of specific conditions.

ii. Point wise compliance of specific conditions given by TAC are as under;

Point	compliance
PP was unable to show the comparison of pollution load with respect to the existing product which are proposed to decrease and new products which are proposed to add, along with changes in raw materials, if any. Also, unable to show the quality and the quantity of pollutants existing and proposed along with pollution load	PP presented the, Comparison of pollution load with respect to the existing and proposed production profile is prepared in detailed along with changes in raw material. Also quantity and quality of the effluent, Flue gas and hazardous waste is assessed and presented.
PP has not discontinued the Furnace oil as a fuel and not switched to the cleaner fuel.	PP presented that, They have Discontinued the Furnace oil as a fuel and switched to cleaner fuel coal. In issued EC, FO was mentioned as fuel for boiler. However, in current valid CTO fuel for boiler is Coal only.
PP was unable to show the details of emissions, its concentration and load. Also, industry has not showed about the emission such as chlorine generating from the proposed products.	• PP presented that, • The chlorine is generating from new product Fluconazole. Generated chlorine from the process will be scrubbed in absorption column (alkali medium) converting to Sodium Hypochlorite solution. • Sodium Hypochlorite solution is considered under hazardous waste. As chlorine will be not be emitted in atmosphere was not considered under process emissions. • Now, we have added chlorine in process emissions and we will monitor it regularly to assure that chlorine gas will not excelled in the atmosphere.

	• Material balance of the Fluconazole from which Chlorine generated is presented in upcoming slides. Quantification of generation of chlorine and in turn formation of Sodium Hypochlorite is clarified in the material balance.
The hazardous waste is increasing after change in product mix	• PP presented that, As per the existing CTO total hazardous waste quantity generating from process is 46.287 MT/M excluding chemical sludge (0.3 MT/M). However, actual total hazardous waste quantity generating from existing products considering the worst case scenario is 45.138 MT/M. • After change in product mix total hazardous waste generating from proposed products will be 44.285 MT/M excluding chemical sludge (0.3 MT/M). From this it is observed that the hazardous waste will be reduced by 0.854 MT/M and not increasing after change in product mix.
Committee also, noticed that the presentation are not clearly specifying the comparison of pollution load with respect to Environmental clearance, Consent and proposed changes for water, air and hazardous waste etc.	• PP presented that, Presentation has been revised by clearly specifying the comparison of pollution load with respect to the Environmental clearance and Consent and proposed changes for water, air and hazardous waste etc.

- The committee is convinced about the aforesaid clarification and request made by the industry.

iii. Change in the product mix in its existing facility is achieved by:
- Decreasing production capacity of 1 existing products,
- Keeping same production capacity of 10 existing product,
- Addition of 5 new products.

iv. The proposed activity is in such a way that the total production will remain same i.e., 80 MT/M, keeping the pollution load within the consent limit.

v. PP to maintain the quantities of water consumption and effluent generation as per the existing CTO i.e.,67 CMD and 10 CMD respectively.
   - Water Consumption will reduce by 90 Lit/Day
   - Effluent generation will reduce by 90 Lit/Day.

vi. It is seen from above figures that, after change in product mix the COD, BOD & TDS values of effluent are no change

vii. The pointwise compliance and presentation made pp with respect air emissions & hazardous waste, 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.

Agenda Item No.	**Item no 4**
Proposal No.	MPCB-CONSENT-0000161900
Project Details	**M/s. Aezis Global Pvt. Ltd.** Plot No. K-4/3, MIDC Addl. Mahad, Dist-Raigad. Maharashtra.
NIPL Certificate	NIPL Certificate issued by M/s. Sadekar Enviro Engineers Pvt. Ltd.

Introduction:

This has reference to the online proposal submitted vide No. MPCB-CONSENT-0000161900 along with the copies of documents seeking amendment in existing consent to operate under change in product-mix under the provision of EIA Notification 2006 amended on 02.03.2021.

Exiting Clearances:

1. Environmental Clearance is granted to the industry vide SEIAA-EC- 0000000191/CR-44/EST dated 23.05.2018.
2. Consent to Operate granted vide no. 1.0/BO/AST/UAN No. 0000068629/O-/CC-1909000006 dated 11.09.2019. The validity of the existing consent is up to 30.09.2023.
3. Industry has submitted proposal on PARIVESH portal on 25.02.2023 Single Window No (SW/2457/2023)

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.	Poly Carboxylate (A Type Product)	1666.67	1666.67	-1366.67	300

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
2.	Poly Carboxylate (B Type Product)	583.34	583.34	2576.66	3160
3.	Poly Carboxylate (C Type Product)	166.67	166.67	0.00	166.67
4.	Poly Carboxylate (D Type Product)	3.34	3.34	0.00	3.34
	Total	2420.02	2420.02	1209.99	3630.01

- The overall production quantity will be increase from 2420.02 MT/M to 3630.01 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	102.22	Not applicable									
2	Trade Effluent Generation											

A	Process Activity	0.59	-----	0.59	-----	-----	1000	4.4	----	----	2000	8.6
B	Cooling Tower & Boiler	4.31	-----	4.31	-----	-----			----	----		
C	**Total**	**4.90**	**----**	**4.90**	**----**	**----**	**1000**	**4.4**	**----**	**----**	**2000**	**8.6**
3	Domestic Effluent Generation, CMD	**2.34**	**2.34**		**----**	**----**	**650**	**1.5**	**----**	**----**	**600**	**1.4**

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	116.7	Not applicable									
2	**Trade Effluent Generation**											
A	Process Activity	0.59	-----	0.59	-----	-----	1000	4.4	----	----	2000	8.6
B	Cooling Tower & Boiler	4.31	-----	4.31	-----	-----			----	----		
C	**Total**	**4.90**	**----**	**4.31**	**----**	**----**	**1000**	**4.4**	**----**	**----**	**2000**	**8.6**
3	Domestic Effluent Generation, CMD	**2.34**	**2.34**		**----**	**----**	**650**	**1.5**	**----**	**----**	**600**	**1.4**

- Water Consumption will be Increased from 102.22 CMD to 116.7 CMD. However, as its water based product the increased 14.48 CMD water consumption will be totally consumed in products without generation of additional effluent.
- There is no change in effluent characteristics, changes only in Poly Carboxylate (A-Type Product) & Poly Carboxylate (B-Type Product).
- COD & TDS load of trade effluent will remain same
- As changes occur in existing products only & no increase in effluent quantity hence there is no change in organic load.

Treatment System

a) **Trade Effluent:**
Industry provided Effluent Treatment Plant (ETP) comprising of primary, Secondary & tertiary treatment followed by RO & evaporator to achieve the "**Zero Liquid Discharge**" (ZLD).

b) **Domestic Effluent:** The domestic effluent is treated in ETP for further treatment.

(ii) Air Emission Load

Sr. No.	Source	Fuel	Before Product Mix	After Product Mix	Stack Height (Meter)	Remark
1	Boiler I	LSHS	1.605 KL/D	1.605 KL/D	30	No change
2	Boiler II					
3	DG Set- 1010 KVA	HSD	261 Ltr/Hr	261 Ltr/Hr	7	No change
4	Process stack	--	--	--	16	No change

(iii) Hazardous Waste Load

Sr. No.	Description	Category No.	UOM	Before Product Mix	After Product Mix	Remark
1	Empty barrels / containers / liners contaminated with hazardous chemicals /wastes	33.1	MT/M	3.83 (PE Bags)	3.83 (PE Bags)	No Change
2	Empty barrels / containers / liners contaminated with hazardous chemicals /wastes	33.1	MT/M	32.66 (PE & Steel Drums)	32.66 (PE & Steel Drums)	No Change
3	Concentration or Evaporation residues	37.3	MT/M	0.5	0.5	No Change
4	Chemical sludge from waste water treatment	35.3	MT/M	0.25	0.25	No Change

- Hazardous wastes quantity will remain same after product mix.

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 M/s. Sadekar Enviro Engineers Pvt. Ltd. and Product – Mix Proforma are taken on the record.

After due deliberations, Committee noticed that:

i. Industry has applied for Change in Product Mix with no increase in the Pollution load.

ii. The overall production quantity will be increase from 2420.02 MT/M to 3630.01 MT/M.

iii. Water Consumption will be Increased from 102.22 CMD to 116.7 CMD. However, as its water based product the increased 14.48 CMD water consumption will be totally consumed in products without generation of additional effluent.
iv. There is no change in effluent characteristics, changes only in Poly Carboxylate (A-Type Product) & Poly Carboxylate (B-Type Product).
v. COD & TDS load of trade effluent will remain same
vi. As changes occur in existing products only & no increase in effluent quantity hence there is no change in organic load.
vii. The overall hazardous waste quantity after product mix will remain same.
viii. 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 5**
Proposal No.	MPCB-CONSENT-0000161282
Project Details	**M/s. Blue Circle Organics Pvt. Ltd** Plot No. B-12, C-4, E-2, E-2 Part, Chemical Zone, MIDC Ambernath, Taluka Ambernath, District-Thane, Maharashtra-421501.
NIPL Certificate	NIPL certificate issued by M/s. Sadekar Enviro Engineers Pvt. Ltd.

Introduction:

This has reference to the online proposal submitted vide No. MPCB-CONSENT-0000161282 along with the copies of documents seeking amendment in existing consent to operate under change in product-mix under the provision of EIA Notification 2006 amended on 02.03.2021.

Exiting Clearances:

1. Environmental Clearance is granted to the industry vide No. SEAC-2212/CR-268/TC-2 dated 03.12.2016.
2. Consent to Operate granted vide no. Format 1.0/BO/AST/UAN No.0000049456/O/CC-1903001354 dated 25.03.2019. The validity of the existing consent is up to 30.04.2023.
3. Industry has submitted proposal on PARIVESH portal on 15.03.2022 Single Window No (SW/2486/2023)

Project details:

A. Production Details:

Sr. No.	Category	Name of Product	Existing Quantity (MT/M)	Proposed Quantity (MT/M)	Total Quantity (MT/M	Remarks
1		Sulfasalazine	8	-8	0	Deleted

2	**Active Pharmaceutical Ingredients**	Hydrochlorothiazide	5	-5	0	Deleted
3		Diatrizoic Acid	10	0	10	No change
4		Iohexol	5	0	5	No change
5		Iopamidol	4	0	4	No change
6		Iothalamic Acid	4	0	4	No change
7		Sucralose	2	-2	0	Deleted
8		Metformin Hydrochloride	167	-167	0	Deleted
9		Amlodipine Besylate	3	-3	0	Deleted
10		Saccharin & its Salts	250	50	300	Increased
11		Docusate Sodium, its salts and suspension	67	-37	30	Reduced
12		Bempedoic Acid	-	10	10	New Added
13		p-Toluenesulfonylmethyl isocyanide	-	15	15	New Added
14		Diethyl 2,2,14,14-tetramethyl-8-oxo pentadecanedioate (BBA-04)	-	16.8	16.8	New Added
15		Alpha Lipoic acid	-	2	2	New Added
16		Oxcarbazepine	-	10	10	New Added
17		Thymine	-	5	5	New Added
18		N4- Benzoylcytosine	-	5	5	New Added
19		3,5 Dinitrobenzotrifluoride	-	4	4	New Added
20		Vanillic Acid	-	3	3	New Added

		Indole-3-acetic acid	-	5	5	New Added
21		Butylbromoglutarate (BGB)	-	20	20	New Added
A.		**Total**	**525**	**-76.2**	**448.8**	--
22	**Veterinary Products**	Albendazole	2	-2	0	Deleted
23		Chlorpheniramine	2	-2	0	Deleted
24		Rafoxanide BP (VET)	2	-2	0	Deleted
25		Levamisole Hydrochloride IP	2	-2	0	Deleted
B.		**Total**	**8**	**-8**	**0**	--
26	**Isophthalic & Derivatives**	5-Nitroisophthalic Acid	200	0	200	No Change
27		5-Nitroisophthalic Acid Dimethyl Ester	150	0	150	No Change
28		5-Nitroisophthalic Acid Monomethyl Ester	20	0	20	No Change
29		5-Aminoisophthalic Acid	5	0	5	No Change
30		5-Amino-2,4,6-TriIodoisophthalic Acid	20	-10	10	Reduced
31		Sodium-5-Nitroisophthalic Acid Monomethyl Ester	5	-5	0	Deleted
32		5-Hydroxy Isophthalic Acid	40	-30	10	Reduced
33		5- Nitro-N-Methyl isopthalamic acid	20	-10	10	Reduced

34		1,4,7,10 tetraazacyclododecane-1,4,5,10-tetraacetic acid (DOTA)	6	0	6	No Change
35		5-Amino-2,4-6-triiodoisophthalic acid Dichloride	20	0	20	No Change
36		5-Amino-N,N'-bis(2,3-dihydroxypropyl)-2,4,6-Triiodoisophthalamide (SP-104)	10	70	80	Increased
37		5-Acetylamino-N,N'-bis(2,3-dihydroxypropyl)-2,4,6-Triiodoisophthalamide	10	-5	5	Reduced
38		5-Amino N,N'-Bis(2,3-Dihydroxypropyl)iso phthalamide HCl (ABA HCL)	150	200	350	Increased
40		(+)-O,O'-Di-p-Toluoyl-D-tartaric acid salts; resolving agents	3.3	-3.3	0	Deleted
C.		**Total**	**659.3**	**206.7**	**866**	--
41	**Sulfonyl Amides & Chlorides**	2-Aminobenzesulfonamide	1	-1	0	Deleted
42		4-Carboxybenzenesulfonamide	0.5	-0.5	0	Deleted
43		5-Chloroaniline-2,4-Disulfonamide	30	-30	0	Deleted
D.		**Total**	**31.5**	**-31.5**	**0**	--

44	**Other Products**	2-Amino-1,3-Propanediol (Serinol)	20	-15	5	Reduced
45		3-Amino-1,2-Propanediol (Isoserinol)	95	-70	25	Reduced
46		3-(Methylamino)-1,2-Propanediol	8	-6	2	Reduced
47		4-Sulfobenzoic Acid Potassium Salt	3	0	3	No Change
48		5-Cyanophthalide	2	0	2	No Change
49		Methyl Anthranilate	250	0	250	No Change
50		4-(Acetyl amino)benzoic acid-1-(dimethyl amino)propane-2-ol	5	0	5	No Change
51		4-Nitrophenoxyamine	5	5	0	Deleted
E.		**Total**	**388**	**-96**	**292**	--
52	**Inorganic Chemicals**	Copper Salts	10	0	10	No Change
F.		**Total**	**10**	**0**	**10**	--
53	**R & D Products**	R & D Products	5	5	10	Increased
G.		**Total**	**5**	**5**	**10**	--
Total (A+B+C+D+E+F+G)			**1626.80**	**0**	**1626.80**	--

The overall production quantity will remain same. The overall total production quantity will not exceed 1626.80 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	709.54	Not applicable									
2	**Trade Effluent Generation**											
A	Process Activity	204.65	93.32	111.33	27872	2601	4850	540	156654	14619	1894	210.91
B	Cooling Tower & Boiler	74.08	0	74.08	0	0	196	14.52	0	0	1716	127.15
C	**Total**	**278.73**	**93.32**	**185.41**	**27872**	**2601**	**2991**	**554.52**	**156654**	**14619**	**1824**	**338.06**
3	Domestic Effluent Generation, CMD	10	-	-	-	-	610	7.8	0	0	523	6.7

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	707.48	Not applicable									
2	**Trade Effluent Generation**											
A	Process Activity	204.52	93.30	111.22	23247	2169	4783	532	154812	14444	1896	210.88
B	Cooling Tower & Boiler	74.08	0	74.08	0	0	196	14.52	0	0	1716	127.15
C	**Total**	**278.6**	**93.30**	**185.3**	**23247**	**2169**	**2949**	**546.52**	**154812**	**14444**	**1824**	**338.03**
3	Domestic Effluent Generation, CMD	10	-	-	-	-	610	7.8	0	0	523	6.7

- Water Consumption will reduce to 2.06 CMD
- Effluent generation will reduce to 0.13 CMD
- COD load for trade effluent will reduce by 440 Kg/day
- TDS load for trade effluent will reduce by 175 Kg/day

Treatment 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 (93.30 CMD):** Treatment system comprising of collection tank, neutralization tank, flash mixer and flocculator, settling tank, sludge tank. filter press, MEE (140 CMD), reactor and centrifuge. Condensate from MEE and reactor is cool down in condensate tank and sent to aeration tank for further treatment with low COD stream.

b) **Weak COD/TDS stream (185.41 CMD):** Treatment system comprising of oil and grease trap with skimmer, collection cum neutralization, flash mixer and flocculator-I, settling tank, aeration tank, tube settler, flash mixer and flocculator-II, secondary clarifier, polishing tank, PSF and ACF. two stage RO (110 CMD) and further RO reject is sent to MEE. RO permeate is reused.

c) **Domestic Effluent:** 9 CMD Domestic effluents is treated in aeration tank as a combine treatment. The existing effluent treatment facility is adequate even after proposed change in product mix.

(ii) Air Emission Load

Sr. No.	Source	Fuel	Before Product Mix	After Product Mix	Stack Height (meter)	Remark
1	Boiler- 8 TPH	Coal	1500 Kg/hr	1500 Kg/hr	35	No change
	Boiler- 8 TPH	Coal	-		35	New installation
2	Boiler- 02 Nos.	Coal	1300 Kg/hr	--	30	Dismantled
2	DG Set	HSD	30 Kg/Hr	30 Kg/Hr	3	No change
3	Process Vent 1	--	--	--	3	No change
4	Process Vent 2	--	--	--	2.5	No change
5	Process Vent 3	--	--	--	2.5	No change
6	Process Vent 4	--	--	--	2.5	No change
7	Process Vent 5	--	--	--	4.0	No change
8	Process Vent 6	--	--	--	4.0	No change

9	Process Vent 7	--	--	--	4.0	No change

- PP has dismantled the existing Boiler of 2TPH capacity and installed of new boiler of 8TPH capacity as stand by boiler at any given point of time only one will be operated, hence no change fuel use pattern or emission load.

(iii) Hazardous Waste Load

Sr. No.	Description	Category No.	UOM	As per EC	Before Product Mix	After Product mix
1	Process Residue & Waste	28.1	MT/M	4.86	4.86	3.88
2	Spent Carbon	28.3	MT/M	--	-	0.86
3	Spent Sulphuric Acid	28.1	MT/M	258	258	256
4	Sodium Salt (Other Hazardous Waste)	28.1	MT/M	119.1	-	115.93
5	Spent Mix Solvent	28.6	MT/M	84	84	84
6	Chemical Sludge from waste water treatment	35.3	MT/M	6.77	6.77	6.77
7	Concentration or evaporation residues (MEE Sludge)	37.3	MT/M	450	450	450
	Total	--	--	**922.733**	**803.63**	**917.44**

Sodium salt was mentioned in EC but it was not reflected in CTO. Considering this overall Hazardous waste load within the limit of EC.

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:

Industry has applied for Change in Product Mix with no increase in the production quantity. The total production quantity will be remaining same after product mix i.e. 1626.80 MT/M.

i. The water consumption, trade effluent generation will be reduced after product mix.
ii. COD load will reduce by 440 Kg/day and TDS load will reduce by 175 Kg/day
iii. No Change fuel, No increase in air pollution load.
iv. Sodium salt was mentioned in EC but it was not reflected in CTO. Considering this overall Hazardous waste load within the limit of EC.
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 should not manufacture any other product for which permission is not granted by the Board.
(iii) Industry shall dispose the by-products as per the provision of H&OW Rule
(iv) Industry shall ensure connectivity of OCEMS to Board server and transmit the data continuously for wastewater treatment facility.

Agenda item No	Item no 6
Proposal No.	MPCB-CONSENT-0000159754
Project Details	**M/s. Cipla Limited [Unit 3]** Plot No. D-22, MIDC Kurkumbh, Tal: Daund, Dist: Pune
NIPL Certificate	NIPL certificate issued by Technogreen Environmental Solutions dated 09.01.2023

Introduction:

This has reference to the online proposal submitted vide No. MPCB-CONSENT-0000159754 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 18.11.2022 and requested for amendment in consent to operate under change in product mix.

Exiting Clearances:

1. Environmental Clearance is obtained with vide No. J-11011/47/2005-IA II (I) dated 13.10.2005
2. Consent to operate obtained with vide No. Format1.0/CAC/UAN No.0000137129/CO/2211001551 dated 18.11.2022 valid for the period up to 30.04.2024
3. Industry has submitted proposal on PARIVESH portal on 17.02.2023 Single Window Clearance No. (SW/2436/2023)

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/Anti-Viral: Dolutegravir Sodium	150	31.00	23.5
2.	Anti-Retroviral/Anti-Viral: Tenofovir Alafenamide Fumarate		0.10	0.2
3.	Anti-Retroviral/Anti-Viral: Emtricitabine		8.80	8.80
4.	Anti-Retroviral/Anti-Viral: Nevirapine / Nevirapine Hemihydrate		1.50	2
5.	Anti-Retroviral/Anti-Viral: Remdesivir		0.50	0.50
6.	Anti-Retroviral/Anti-Viral: Zidovudine		0.50	0
7.	Anti-Retroviral/Anti-Viral: Oseltamivir Phosphate		20.00	20.00
8.	Anti-Retroviral/Anti-Viral: Valacyclovir Hydrochloride		0.20	0.20
9.	Anti-Retroviral/Anti-Viral: Molnupiravir		1.00	1.00
10.	Anti-Retroviral/Anti-Viral: Bictegravir		0.10	0
11.	Anti-Retroviral/Anti-Viral: Lamivudine		15.00	10
12.	Anti-Retroviral/Anti-Viral: Baloxavir Marboxil		1.00	0
13.	Anti-Retroviral/Anti-Viral: Cabotegravir sodium		5.00	5.00
14.	Anti-Bacterial/Fungal: Terbinafine Hydrochloride		14.00	22
15.	Anti-Androgen: Danazol		0.05	0.05
16.	Anti-Androgen: Cyproterone Acetate		0.70	0.70
17.	Anti-inflammatory: Tafamidis		1.00	0.1

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)
18.	Anti-inflammatory: Eluxadoline		0.10	0.10
19.	Chelating Agent: Sodium thiosulfate pentahydrate		0.50	0.50
20.	Chelating Agent: Deferasirox		0.50	1.7
21.	Chelating Agent: Edaravone		0.10	0.10
22.	Chelating Agent: Deferiprone		0.10	0.10
23.	Anti-Depressant: Escitalopram Oxalate		0.10	0.10
24.	Anti-Depressant: Citalopram Hydrobromide		0.10	0.10
25.	Anti-Neoplastic: Estramustine Sodium Phosphate		0.04	0
26.	Anti-Neoplastic: Ondansetron Base / HCL		0.50	2
27.	Anti-Neoplastic: Exemestane		0.50	0.50
28.	Anti-Diabetic: Rosiglitazone Maleate		0.05	0
29.	Anti-Diabetic: Dapagliflozin		0.05	0.05
30.	Anti-Diabetic: Empagliflozin		0.05	0.05
31.	Estrogenic: Levonorgestrel		0.01	0.01
32.	Bronchodilator: Formoterol Fumarate /FC-V		0.50	0.50
33.	Anti-Parkinson: Pramipexole Dihydrochloride /PX-IV		0.25	0.25
34.	Cardiac: Carvedilol		1.00	0
35.	Cardiac: Trimetazidine		1.00	1.00
36.	Omeprazole Sodium		15.00	10
37.	Pantoprazole Sodium		10.50	10
38.	Tenofovir Pivafen fumarate		0.50	0.50

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)
39.	Nirmatrelvir		10.00	4.00
40.	Anti-Retroviral/Anti-Viral: Abacavir Sulphate		3.00	9.00
41.	Anti-Retroviral/Anti-Viral: Tenofovir Disoproxil Fumarate		5.00	8.00
42.	Anti-inflammatory/Histamine: Fexofenadine Hydrochloride		0.10	0.10
43.	Apixaban		0	0.3
44.	Ivacaftor		0	0.1
45.	Isavuconazonium Sulfate		0	0.2
46.	Leflunomide		0	5
47.	Lenacapavir		0	0.5
48.	Levermeloxifene Fumarate		0	0.5
49.	Edoxaban Tosylate		0	0.1
50.	R&D Product		0	0.5
	Total	**150**	**150.00**	**149.91**

Existing consented quantity was 150MTA. Proposed quantity after product mix will be 149.91MTA. The overall production quantity will reduce by 0.09MTA.

B. Pollution load Details:

(i) Water Consumption & 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	228.9	Not applicable									
2	**Trade Effluent Generation**											
A	Process Activity	104.2	15	89.2	84597.95	1269	8262	736.9	41297	619.5	1500	133.8
B	Cooling Tower & Boiler	5.97					400	2.4			1500	8.9
C	**Total**	**110.2**	**15**	**89.2**	**84597.95**	**1269**	**8662**	**739.3**	**41297**	**619.5**	**3000**	**142.7**
3	Domestic Effluent Generation, CMD	38	38				500	19			600	22.8

- **Effluent generation: Domestic – 38CMD + Industrial – 110.2CMD**

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	227.8	Not applicable									
2	**Trade Effluent Generation**											
A	Process Activity	102.8	14.88	87.8	81099	1206.8	8110	712	40966.6	614.5	1500	131.7
B	Cooling Tower & Boiler	5.97					400	2.4			1500	8.9
C	**Total**	**108.8**	**14.88**	**87.8**	**81099**	**1206.8**	**8510**	**714.4**	**40966.6**	**614.5**	**3000**	**140.6**
3	Domestic Effluent Generation, CMD	38	38				500	19			600	22.8

Effluent generation: Domestic – 38CMD + Industrial – 108.8CMD i.e., Total 146.8CMD (EC permitted quantity - 160CMD)

- Water Consumption will reduce by 1.09 CMD compare with earlier C to O
- Effluent generation will reduce by 1.41 CMD
- Average COD load will reduce by 25.04Kg/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 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 40CMD Capacity.

(ii) Air Emission Load

Flue Gas Emissions

Attached to	Existing Fuel Consumption	Fuel Consumption after Change in Product Mix	Remark
Thermopack (1W + 1S) (2 Kcal/hr)	HSD – 48 Kg/Hr	HSD – 48 Kg/Hr	No Change
Boiler (1W + 1S) (2 TPH)	LSHS 3.184 KL/D	LSHS 3.184 KL/D	No Change
	PNG 162.68 SCM/Hr	PNG 162.68 SCM/Hr	No Change
	LDO 3.8 KL/D	LDO 3.8 KL/D	No Change
	HSD 3.44 KL/D	HSD 3.44 KL/D	No Change
DG Set 1 (250KVA)	HSD – 50 Kg/Hr	HSD – 50 Kg/Hr	No Change
DG Set 2 (500KVA)	HSD – 100 Kg/Hr	HSD – 100 Kg/Hr	No Change

DG Set 3 (700KVA)	HSD – 150 Kg/Hr	HSD – 150 Kg/Hr	No Change
Process Vent-1 (BD I)	-	-	No Change
Process Vent-2 (BD I)	-	-	No Change
Process Vent-3 (BD II)	-	-	No Change
Process Vent-4 (BD II)	-	-	No Change
Process Vent-5 (BD III)	-	-	No Change
Process Vent-6 (BD IV)	-	-	No Change
Process Vent-7 (BD IV)	-	-	No Change

Process Emissions control systems:

Attached to	Stack Height (m)	APCM
Thermopack (1W + 1S) (2 Kcal/hr)	30	Stack with Adequate height
Boiler (1W + 1S) (2 TPH)	33	Stack with Adequate height
DG Set 1 (250KVA)	4	Stack with Adequate height
DG Set 2 (500KVA)	5	Stack with Adequate height
DG Set 3 (700KVA)	6	Stack with Adequate height
Process Vent-1 (BD I)	3	Scrubber and Stack with Adequate height
Process Vent-2 (BD I)	6	Scrubber and Stack with Adequate height
Process Vent-3 (BD II)	6	Scrubber and Stack with Adequate height

Process Vent-4 (BD II)	4	Scrubber and Stack with Adequate height
Process Vent-5 (BD III)	6	Scrubber and Stack with Adequate height
Process Vent-6 (BD IV)	4	Scrubber and Stack with Adequate height
Process Vent-7 (BD IV)	9	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
HCL	5.7 Mg/Nm^3	5.7 Mg/Nm^3	No concentration mentioned in the Environmental Clearance	35 Mg/Nm3
NOx	<50PPM	<50PPM		50 PPM
Acid Mist	5.7 Mg/Nm^3	5.7 Mg/Nm^3		35 Mg/Nm3

(iii) Hazardous Waste Load;

HW Type	Category	AS per CTO	Existing Qty.	Quantity After Product Mix	UOM	Disposal
Used Oil or spent Oil	5.1	2.02	2.02	2.02	KL/A	Sale to authorised party/CHWTSDF
Spent Solvents	20.2	3651.4	3651.4	3651.4	KL/A	Sale to authorised party/CHWTSDF
Spent Carbon	28.3	10.6	10.6	10.6	MT/A	CHWTSDF

HW Type	Category	AS per CTO	Existing Qty.	Quantity After Product Mix	UOM	Disposal
Date expired products	28.5	0.21	0.21	0.21	MT/A	CHWTSDF
Chemical sludge from waste water treatment	35.3	42.1	42.1	42.1	MT/M	CHWTSDF/Coprocessing through authorised pre-processor
Sludge from wet scrubbers	37.1	0.1	0.1	0.1	MT/A	CHWTSDF/Coprocessing through authorised pre-processor
Concentration or evaporation residues	37.3	287.47	287.47	284.11	MT/A	CHWTSDF/Coprocessing through authorised pre-processor
Spent Organic solvents	28.6	259.2	259.2	259.2	MT/A	Sale to authorised party/CHWTSDF
Spent catalyst	28.2	90	90	90	MT/A	Sale to authorised party/CHWTSDF
Empty barrels/containers/liners contaminated with hazardous chemicals/wastes	33.1	1200	1200	1200	Nos/Y	Sale to authorised party
Oil and grease skimming	35.4	63	63	63	MT/A	Sale to authorised party/CHWTSDF

Conditions under E-Waste Management:

Type of Waste	Existing Qty.	After Change in Product Mix	UoM	Disposal
E-Waste	4	4	MT/A	Sale to Authorized Party

HW Type	Category	AS per CTO	Existing Qty.	Quantity After Product Mix	UOM	Disposal
Non-Hazardous Waste						
Corrugated Boxes/ Paper, Aluminium, G.I. Scrap, Rubber Scrap & Miscellaneous Scrap		132	132	132	MT/A	Sale to authorized party

- **Note: After change in product mix, hazardous waste will be reduced by 3.36MT/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 Technogreen Environmental Solutions and Product Mix Proforma are taken on the record.

Committee after due deliberations noticed that;

i. After product mix the total production capacity will be reduced from 150MT/A to 149.91MT/A i.e., 0.09MTA. (Total reduction in production will be 7.29MTA by removal/decrease in existing products and addition of new product will be of 7.2MTA)
ii. There is no process emissions concentration mentioned in the Environmental Clearance
iii. The water consumption, trade effluent generation & organic load will be reduced after product mix by 1.09CMD, 1.41CMD and 25.04Kg/Day respectively.
iv. The overall Hazardous waste quantity after product mix will be reduced by 3.36MT/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 should not manufacture any other product for which permission is not granted by the Board.
(iii) Industry shall dispose the by-products as per the provision of H&OW Rule
(iv) Industry should ensure connectivity of OCEMS to Board server and transmit the data continuously for wastewater treatment facility.

Agenda item No	**Item no 7**
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

Technical Committee Decision: Due to paucity of time, it was decided to defer the case.

Agenda item No	**Item no 8**
Proposal No.	UAN Number: MPCB-CONSENT-0000160698
Project Details	M/s. Privi Speciality Chemicals Limited (Unit-II) (C-3,4,5,6,6/1,7,8,9 33/1 & X-9,10,11), MIDC Mahad, Mahad.
NIPL Certificate	NIPL certificate issued by M/s. Aditya Environmental Services Pvt. Ltd. dated 05/3/2023.

Introduction: This has reference to the online proposal submitted vide No. UAN Number: MPCB-CONSENT-0000160698 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 as amended on 23/11/2016 & 02/03/2021.

Exiting Clearances:

1. EC - File no SIA/MH/IND3/70523/2014 dated 24/08/2022 (EC Identification No. EC22B021MH111364)
2. CTE- Consent order No. Format1.0/CAC/UANNo.0000123170/CE/2208000873 Dated 18/08/2022 valid up to 18/08/2027.
3. Part CTO for expansion with amalgamation - Consent order No. Format1.0/CAC/UAN No.0000147317 /CO/ 2212000918 dated 13/12/2022, valid up to 28/02/2023.

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. Aditya Environmental Services Pvt. Ltd. dated 05/3/2023 and Product – Mix Proforma are taken on the record.

After due deliberations, Committee noticed that:

As per the MoEF&CC notification Consent to operate as well as Proof uploading to PARIVESH portal MoEF website is prerequisite and mandatory for the proposal to be considered 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. The committee noticed that,

i. PP has proposed to carry out expansion as per EC & C to E, however, not obtained C to O for the total production quantity.
ii. The committee opined that, industry has to obtain consent to operate as per the quantities initially then they may submit fresh application and modified / revised NIPL.
iii. The industry representative requested to consider this application for consent to establish as per EC quantities and will apply separately with modified / revised NIPL after obtaining consent to operate.

Technical Committee Decision:

Technical Committee decided to recommend the case for change in product under product mix as per the industry request.

The meeting ended with vote of thanks to Chair.

(Shri N. N. Gurav)
RO (BMW)
and Member-Convenor of Committee

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