

Asst Secretary (Tech) Section
Date:

Office Note

Sub : Minutes of 1st meeting of Technical Committee (2019-20) for assessment of application of under change in product-mix held on 20/6/2019 at 11.30 am at Kalpataru Point, 3rd Floor, Sion

Ref: : 1. Amendment to EIA notification no. S.O. 3518(E) dated 23rd November 2016
2. Office Memorandum dated 16/6/2017
3. Technical Committee meeting dated 20/6/2019

Submitted,

The Technical Committee meeting for assessment of application of under change in product-mix of the Board was held on 20/6/2019. Fifteen agenda items were placed before the meeting and cases were presented by the unit. Accordingly, a minutes of the meeting prepared and same is placed for approval, please.

B. Injulkar
15/7/19

(R.K. Injulkar)
Field Officer, AS(T) Section

Regional Officer (HQ):

Minutes of meeting is submitted for approval please

[Signature]
19/7/19

ASCT):

*MON signed.
Submitted for kind perusal M.*

*Recd on
20/7/19*

M.S.H.

[Signature]

[Signature]
19/7/19

MAHARASHTRA POLLUTION CONTROL BOARD



Minutes of 1st meeting of Technical Committee (2019-20) for assessment of under change in product-mix held on 20/6/2019 at 11.30 am at Kalpataru Point, 3rd Floor, Sion.

The Technical Committee meeting for assessment of application of under change in product-mix of the Board was held on 20/6/2019.

The following members of the Technical Committee were present for the meeting:

1. Shri P.K.Mirashe, Assistant Secretary (Tech), MPCB
Chairman
2. Dr B.R.Naidu, Zonal Officer, CPCB, Vadodara
Member
3. Shri Anurag Garg, Associate Prof. IIT, Mumbai
Member
4. Shri N.N.Gurav, Regional Officer, HQ, MPCB
Member convener

Shri A. M. Pimpalkar, Scientist -1, Environment Dept, GoM, Dr. Tuhin Banerjee, Scientist Fellow, NEERI, Mumbai and Dr. Prakash P. Wadgaonkar, Chief Scientist, NCL, Pune could not attend the meeting. Leave of absence was granted to them.

The Chairman of the Committee welcomed the Committee members and the minutes of the 6th meeting of the Technical Committee (2018-19) were confirmed. Committee deliberated on the agenda items and following decisions were taken.

Sr. No.	Name of Industry	Recommendations
1	BALAJI AMINES LTD Gut.No. 197, Tamalwadi. MPCB-CONSENT- 0000059624	PP gave presentation on Amendment of Existing Consent to Operate under Change in product-mix. After interaction with the PP, it was noted that, <ol style="list-style-type: none">1. Environmental Clearance was granted to the unit by MOEF& CC vide No. J-11011/296/2011-IA II (I) dated 15/7/2015.2. Consent to Operate granted vide No. Format 1.0/BO/CAC-Cell/UAN No. 0000000318/3rd CAC 9929 dated 30/8/2016 which is valid upto 28/2/2021.3. PP has submitted pollution load details in which pollution load calculated by calculating E-factor (Kg Waste/Kg Product). <p>After due deliberation of pollution load calculation, it was noticed that, E-factor was calculated on the basis of weight basis (hydraulic load basis). PP unable to explain the pollution load on concentration basis.</p>

Sr. No.	Name of Industry	Recommendations
2	Deepak Nitrite Limited Plot Nos - 1-7,26-31, MIDC, DhataV, Roha-402116 MPCB- CONSENT_AMMENDMEN T-0000001099	<p>Considering the above, it was decided to defer the case and submit the case before committee by recalculating pollution load & accordingly submit the NIPPL certificate on basis of revised pollution load. .</p> <p>PP gave presentation on amendment in existing consent under change in product-mix for change in quantities within products. After interaction with the PP, it was noted that,</p> <ol style="list-style-type: none"> 1. Environmental Clearance was granted to the unit by MOEF& CC vide No. J-11011/363/2016-IA II (I) dated 02/01/2018. 2. Consent to Operate granted vide No. Format 1.0/BO/AST/UAN No. 0000031393/O/CC-1803000099 dated 01/3/2018 which is valid upto 30/6/2019 3. PP couldn't provide clarify or provide details with regards to following points: <ul style="list-style-type: none"> ➤ PP shown water consumption reduction after product mix in mfg of 2,4 Xyilidine and 2,6 Xyilidine or 2,3 Xyilidine etc. However, production quantity will not be changed. In addition to this, shown in reduction of COD concentration which is not justified with actual COD results. ➤ The production quantity of Crystal Diethyl Meta Amino Phenyl or others will be reduced after product mix however water consumption increased & effluent generation decreased compared to existing production quantity which was not justified. ➤ PP is having existing plant & manufacturing the all applied products. Hence, required to submit the actual lab results and not theoretical calculations. ➤ PP unable to show ETP design details aongwith stage wise COD reduction. <p>Considering the above, it was decided to defer the case and submit the case before committee by recalculating pollution load & accordingly submit the NIPPL certificate on basis of revised pollution load. .</p>
3	Privi Organics India Ltd. (Unit - II) C-3,4,5,6,6/1,7,8,9 33/1 & X-9,10,11, MIDC Mahad MPCB-CONSENT-0000044750	<p>PP gave presentation on renewal of Existing Consent to Operate along with change in product-mix. After interaction with the PP, it was noted that,</p> <ol style="list-style-type: none"> 1. Environmental Clearance granted to the unit by SEAC-2012/CR-43/TC-2 dated 08/12/2015 for mfg. of Aroma Chemical.



Sr. No.

Name of Industry

Recommendations

2. PP had a consent to operate from the Board dated 24/11/2017 which is valid till 28/2/2022 for production of various Aroma Chemicals.

3. PP submitted proposal under change in product mix:

Sr. No	Name of Product	Existing, products as per EC (MT/M)	Products after product mix (MT/M)
1.	Isobornyl cyclohexanol (IBCH)	51	30
2.	L-Carvone	50	
3.	D-Carvone	05	50
3.	L-D Carvacrol	0	
3.	Orange oil folds	12	12
4.	D-Limonene	125	125
5.	Myrcene	400	400
6.	Alpha-Campholenic aldehyde	50	38
7.	Floreal	80	20
9.	Dihydrocarvone	05	02
10	Carvomenthone	05	
	Menthone/Menthol	0	05
11	Nimberol	01	01
12	Dihydromyrcene	150	100
13	Sandal fleur & derivatives	20	25
14	Sandal Touch	05	02
15	Citral extra pure	30	30
16	Citronellal	20	
	Hydroxy Citronellal	0	48
17	Cyclocitral (Alpha & Beta mixture)	02	10
18	Isocitronellene & Isomer	30	30
19	Citronellyl nitrile	30	
	Geranyl Nitriles	0	50
20	A-Pinene from CST	1611.66	1611.66
21	B-Pinene from CST	508.46	508.46
22	Limonene from CST	41.32	41.32

Sr. No.	Name of Industry	Recommendations			
23	Mixed Terpenes/Terpene biofuel from CST or DDTO/Carene varities 60,90,98/ Terpene bio fuel	744	744		
24	A-Pinene from GTO	537	537		
25	B-Pinene from GTO	334	334		
26	Amberfleur	400	400		
27	Ml for soap	01	01		
28	Violetone Coeur	02	02		
29	Timber Touch/Timber forte	05	05		
30	Electricity Generation	04 MW	04 MW		
31	Recovery of Concentrated Sulphuric acid	48 MTPD	48 MTPD		
	Esters				
32	Para Tertiary Butyl Cyclo Hexyl Acetate/PTBCH				
33	Ortho Tertiary Butyl Cyclohexyl acetate/OTBCH				
34	Styrallyl acetate				
35	Terpinyl acetate	297	165		
36	Geranyl acetate				
37	Dimethyl Octanol acetate				
38	Nerol A				
39	Isobornyl acetate				
40	Longifolene acetate				
41	Neryl acetate	0			
	Alcohol				
42	Citronellol (Col)				
43	Geraniol				
44	Damascone(DMO)				
45	Nerol	445	654		
46	Terpineol				
47	Dihydromyrcenol				

[Handwritten signatures]

Sr. No.

Name of Industry

Recommendations

48	Tetrahydromyrcenol (THMOL)	0	
49	Terpinen-4-ol (4- Terpeneol)	0	
50	Isodamascosol	0	
52	Rose Oxide	03	02
53	Nitriles – Geranyl Nitrile/Citronellyl Nitrile	10	00
	Ionones		
	Gamma Methyl Ionone (GMI)		
	Normal Methyl Ionone (NMI)		
54	Alpha-Ionone (AI) & Ionone 100%	50	90
	Beta Ionone (BI)		
	Gammaolenene		
55	Geraniol Formate	05	01
56	Citronellol Formate	05	01
57	Camphene	01	0
58	ISO Longifoline Ketone	01	0
59	Prionyl (Privi Moss)	01	01
60	Rosaxanol	10	
61	Rosepyran	0	10
62	Muganol	02	02
63	Super Sandal Core	02	02
64	Hydrogen	15	15
	Total	6111.84	6111.84

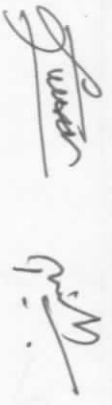
The overall production quantity after product mix will not be changed.

4. Industry is generating byproducts. The overall By product quantity will reduce from 3793.42 TPM to 3214.71 TPM.

5. PP has submitted pollution load details as below.

- i. Water requirement reduced from 955.07 CMD to 954.94 TPM after proposed product mix.
- ii. Effluent load reduced from 195 CMD to 194.10 CMD after proposed product mix.

Sr. No.	Name of Industry	Recommendations															
4	Ambuja Cement Ltd. (Unit: Maratha cement Works) village: Upparwahi, Chandrapur, Maharashtra MPCB-CONSENT-0000044265	<p>PP gave presentation on amendment in existing consent under change in product-mix for manufacturing of various grades/types of Cement within the earlier permitted quantity of Cement Production (4.75 MTPA). After interaction with the PP, it was noted that,</p> <ol style="list-style-type: none"> Environmental Clearance was granted to the unit by MoEFCC (J-11011/292/2006-1A.11 (I)) dated 03.11.2006 for expansion of Cement Plant (2.85 MTPA to 4.75 MTPA), Clinker Production (2.40 to 2.85 MTPA) and Captive Power Plant (55 to 70 MW) PP has valid consent to operate from the Board dated 24.02.2016 valid till 31.10.2020. PP submitted proposal for manufacturing of various grades/types* of Cement within the earlier permitted quantity of Cement Production (4.75 MTPA) mainly for OPC/PPC/PSC/Composite Cement/Masonry Cement. 															
<table border="1"> <thead> <tr> <th data-bbox="406 705 518 795">Sr. No</th> <th data-bbox="406 795 518 1131">Existing Product / By-Product Name</th> <th data-bbox="406 1131 518 1355">Existing Consented Quantity</th> <th data-bbox="406 1355 518 1646">After Amendment in CTO Product / By-Product Name</th> <th data-bbox="406 1646 518 1937">Post Amendment consented Quantity</th> </tr> </thead> <tbody> <tr> <td data-bbox="295 705 406 795">1.</td> <td data-bbox="295 795 406 1131">Clinker</td> <td data-bbox="295 1131 406 1355">2.85 Million ton/annum</td> <td data-bbox="295 1355 406 1646">Clinker</td> <td data-bbox="295 1646 406 1937">2.85 Million ton/annum</td> </tr> <tr> <td data-bbox="183 705 295 795">2.</td> <td data-bbox="183 795 295 1131">Cement (OPC + PPC)</td> <td data-bbox="183 1131 295 1355">4.75 Million ton/annum</td> <td data-bbox="183 1355 295 1646">Cement (Various Types/ Grades)</td> <td data-bbox="183 1646 295 1937">4.75 Million ton/annum</td> </tr> </tbody> </table>			Sr. No	Existing Product / By-Product Name	Existing Consented Quantity	After Amendment in CTO Product / By-Product Name	Post Amendment consented Quantity	1.	Clinker	2.85 Million ton/annum	Clinker	2.85 Million ton/annum	2.	Cement (OPC + PPC)	4.75 Million ton/annum	Cement (Various Types/ Grades)	4.75 Million ton/annum
Sr. No	Existing Product / By-Product Name	Existing Consented Quantity	After Amendment in CTO Product / By-Product Name	Post Amendment consented Quantity													
1.	Clinker	2.85 Million ton/annum	Clinker	2.85 Million ton/annum													
2.	Cement (OPC + PPC)	4.75 Million ton/annum	Cement (Various Types/ Grades)	4.75 Million ton/annum													

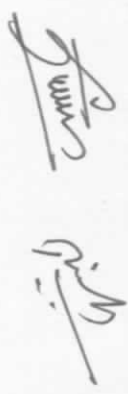


Sr. No.	Name of Industry	Recommendations			
3.	Electricity (60 MW Coal based Captive Thermal Power Plant and 10 MW CPP on DG Set)	70 MW	Composite Cement/Masonry Cement	70 MW	
4.	AFR Feeding System	650 TPD	AFR System	Feeding System 650 TPD	
5.	Co processing of only non - hazardous waste i.e. plastic waste from paper mills & Non - Hazardous material (expired /rejected/off-specification materials / unclaimed & materials confiscated by customs & narcotics department/ unused raw materials /packing material & RDF from MSW, segregated MSW or sorted MSW & Biomass & Co-processing of pre-processed hazardous waste of Maharashtra Enviro Power Limited (MEPL) Ranjangaon, Pune pre-processing facility at CHWTSDF Ranjangaon.	250 Hour	Coal System	Blending System 250 Tons/Hour	
		Tons/	Coal	Blending System 250 Tons/Hour	

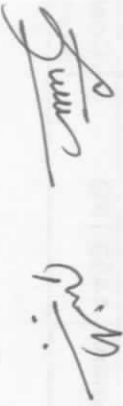
*** OPC, PPC, PSC and Composite Cement & Masonry Cement, as per the approved BIS norms.**

The proposal is mainly for manufacturing of various grades/types of Cement within the earlier permitted quantity of Cement Production (4.75 MTPA) in which only changes in raw material as below:

Sr. No.	Existing		After product mix	
	Raw Material	Consumption	Raw Material	Consumption
1	Clinker	2.85 MTPA	Clinker	2.85 MTPA
	Limestone & Shale	4.20 MTPA	Limestone & Shale	4.20 MTPA (No change)
2	Iron Ore	200-300 TPD	Iron Ore	200-300 TPD
3	Bauxite	150-250 TPD	Bauxite	150-250 TPD
4	Gypsum	500-600 TPD	Gypsum	500-600 TPD
5	Fly Ash	3000-500 TPD	Fly Ash	3000-500 TPD
6	Coal (Cement Plant)	1400 TPD	Coal (Cement Plant)	1400 TPD



Sr. No.	Name of Industry	Recommendations																				
5	Aarti Industries Ltd., Plot No-D-53, 54, 55, 56, 57, 59 MIDC Phase II, Kalyan Shill Road, Dombivli - East, dist - Thane MPCB-CONSENT-0000065002	<table border="1" data-bbox="1284 739 1404 1948"> <thead> <tr> <th></th> <th>Coal (CPP)</th> <th>1300 TPD</th> <th>Coal (CPP)</th> <th>1300 TPD</th> </tr> </thead> <tbody> <tr> <td>7</td> <td>Coal (CPP)</td> <td>1300 TPD</td> <td>Coal (CPP)</td> <td>1300 TPD</td> </tr> <tr> <td>8</td> <td>AFR</td> <td>650 TPD</td> <td>AFR</td> <td>650 TPD</td> </tr> <tr> <td>9</td> <td>---</td> <td>---</td> <td>Slag</td> <td>3,65,000 TPA</td> </tr> </tbody> </table> <p>4. PP has received NIPL certificate from Anacon Laboratories Ltd.</p> <p>5. PP has submitted pollution load details as below:</p> <ul style="list-style-type: none"> ➤ There is no additional trade effluent generation from the activity as the unit is air prone unit. ➤ There is no change mining to clinkarisation, product mix is going to change the change with no additional capacity enhancement. ➤ There will be no change in Air emission quantity after product mix. Dust Load before product mix is 1.08 TPD & after product mix is 1.08 TPD, SO2 load before product mix is 27.05 TPD & after product mix is 27.05 TPD and NOx load before product mix is 15.87 TPD & after product mix is 15.87 TPD. ➤ PP reported that, they have installed low NOx burner to control the NOx emissions and also installed air pollution control system at all the sources of emissions. ➤ There will be no increase in Hazardous waste quantity after product mix. <p>Considering the above, Committee noted that, there is no increase in pollution load.</p> <p>Finally, after due deliberations, it was decided to recommend the case for change in product under product mix for mfg of Cement of various grades/types (OPC, PPC, PSC, Composite Cement & Masonry Cement) with condition to submit the design details of existing air pollution control systems.</p> <p>PP informed vide letter dated 17/06/2019 that, they have applied for Consent to Establish and not for consent to operate under product mix.</p> <p>Considering the industries submission, the application was disposed off from product mix.</p>		Coal (CPP)	1300 TPD	Coal (CPP)	1300 TPD	7	Coal (CPP)	1300 TPD	Coal (CPP)	1300 TPD	8	AFR	650 TPD	AFR	650 TPD	9	---	---	Slag	3,65,000 TPA
	Coal (CPP)	1300 TPD	Coal (CPP)	1300 TPD																		
7	Coal (CPP)	1300 TPD	Coal (CPP)	1300 TPD																		
8	AFR	650 TPD	AFR	650 TPD																		
9	---	---	Slag	3,65,000 TPA																		



Sr. No.	Name of Industry	Recommendations
6	BENZO CHEM INDUSTRIES PVT LTD Plot NO B- 24,25, MIDC Area, Dasarkhed MPCB-CONSENT-0000067060	PP gave presentation on amendment in existing consent for change in product-mix. After interaction with the PP, it was noted that, <ol style="list-style-type: none"> Environmental Clearance granted to the unit vide No. EC(BENZO)-2009/155/CR.173/TC.1 dated 30.01.2010 Consent to Operate granted by Board vide No. Format 1.0/BO/AST/UAN No. 0000019383/O/CC-1706000170 dated 7/06/2017 valid upto 28.02.2022 PP submitted proposal for Products with change in product mix:

List of Products: -

Sr. No	Name of Product	Existing/ Consented (MTA)	After change in Product mix quantity (MTA)
1.	ParaCholoro Phenyl Acetic Acid	40	40
2.	Ortho Methyl Benzyl Cyanide/2 Methyl Benzyl Cyanide	40	00
3.	Alpha Bromo OrthoChloro Phenyl Acetic Acid	05	00
4.	Para Choloro Meta Cresol	15	00
5.	Alpha Bromo Ortho Chloro Phenyl Acetic Acid Methyl Ester	05	05
6.	Alpha Bromo Para Chloro Phenyl Acetic Acid	05	05
7.	2-Methyl Phenil Acetic / Ortho Methyl Phenyl Acetic Acid	40	40
8.	2-Coumaranone 30% with Acetic Anthrydride 70%	400	400
9.	2,4,6 Tri Chloro Phenyl Acetic Chloride	05	00
10.	Propargyl-CM-Estaer 55% Monochloro Benzene	20	20
11.	4-Chloro Phenethyl Alcohol 2-(4 Chlorophenyl) Ethanol	20	20
12.	Ortho Chloro Phenyl Acetic Acid	150	150
13.	3 – ISO Chromanone	60	60
14.	4-Methyl Benzyl Chloride (PMBC)	20	00

Sr. No.

Name of Industry

Recommendations

15.	2,4,6 Trimethyl Benzaldehyde 84% in Acetone	25	25
16.	4-Methyl Benzaldehyde (PMB) OR Para Methyl Benzaldehyde	30	00
17.	2-Chloro-4,6 Dimethoxy – 1,3,5 Triazine (CDMT)	15	15
18	3-CHLORO 2-METHYL ANISOL	00	40
19.	ISOPROPYL-3-CHLORO 4-METHYL BENZOATE(ICMB)	00	20
20.	ORTHO HYDROXY PHENYL ACETIC ACID (OHPAA)	00	30
21.	Methyl 2- (2-Chloromethyl) phenyl Acetate (MCMPPA)	00	15
22.	Methyl (E) 3-Methoxy-2-(2-Chloromethyl Phenyl)-2-Propenoate (METHYL ACRELATE)	00	5
23.	TRISPHEENOL	00	5
	Total	895	895
1	Hydrochloric Acid (30-32%)	400	399.6
2	Liquor Ammonia (25%)	150	144.785
3	Hydrobromic Acid (40-50%)	20	17.685
4	Sodium Bromide Solution in water	25	25
5	Sodium Sulphate	800	800
6	Sodium Bisulphate Solution / Sodium Sulphite Solution	20	17.635
7	Salt Solution	200	200
8	Sodium Chloride	100	100
	Total	1715	1704.705

The overall production after proposed change in product mix will remain same as per total existing production quantity i.e. 895 MTM and by-product quantity will get reduced from 1715 MTM to 1704.705 MTM




Sr. No.

Name of Industry

Recommendations

	<p>4. After proposed change in product mix Water consumption will be reduced from 188 CMD to 186.29 CMD and Trade Effluent generation will also be reduced from 37.25 to 34.73 CMD while domestic effluent i.e. 10 CMD remains same. Trade Effluent load before product mix is 37.25 CMD having COD, BOD and TDS load as 1187 Kg/d, 618 Kg/d & 2040 Kg/d respectively while after product mix it will be 34.73 CMD having COD, BOD and TDS load as 1104 Kg/d, 572 Kg/d & 1903 Kg/d respectively.</p> <p>5. Effluent (Trade & Domestic) generated will be treated in existing Effluent Treatment facilities as below:</p> <p>a. Domestic Effluent: The 10 CMD sewage generated is treated in septic Tank and subsequently treated in the Effluent treatment plant.</p> <p>b. Trade Effluent:</p> <p>Process Effluent: Industry have provided Effluent Treatment Plant of designed capacity of 120 CMD. Entire trade effluent (34.37 CMD) will be evaporated in existing MEE after primary treatment and resulting condensate along with domestic effluent (10 CMD) will be treated in secondary treatment facility followed by tertiary treatment facility. Total treated effluent will be recycled into the process for various purposes such as for cooling, process, scrubbing etc.</p> <p>Industry is achieving Zero Liquid Discharge.</p> <p>6. Existing Boiler (6 TPH), Thermic Fluid Heater (2 nos.) (8Lac Kcal/Hr each) and DG set (320 KVA) will be utilized after product mix. However, there will not be additional fuel required. Existing Fuel requirement will remain same.</p> <p>7. Air emission before and after product mix will remain same.</p> <p>8. Hazardous Waste generation is as follows.</p>																		
<table border="1"> <thead> <tr> <th data-bbox="154 627 1554 739">Sr. No.</th> <th data-bbox="154 739 1554 985">Type of Waste</th> <th data-bbox="154 985 1554 1164">Category (As per Schedule)</th> <th colspan="2" data-bbox="154 1164 1554 1747">Generation per Year (No change)</th> <th data-bbox="154 1747 1554 2011">Mode of Treatment & Disposal</th> </tr> <tr> <td></td> <td></td> <td></td> <th data-bbox="154 1164 1554 1478">Existing</th> <th data-bbox="154 1478 1554 1747">After Change in Product Mix</th> <td></td> </tr> </thead> <tbody> <tr> <td data-bbox="154 627 1554 739">1</td> <td data-bbox="154 739 1554 985">Distillation Residue</td> <td data-bbox="154 985 1554 1164">20.3</td> <td data-bbox="154 1164 1554 1478">5.0 Kg/day</td> <td data-bbox="154 1478 1554 1747">4.52 Kg/Day</td> <td data-bbox="154 1747 1554 2011">CHWTSDF</td> </tr> </tbody> </table>	Sr. No.	Type of Waste	Category (As per Schedule)	Generation per Year (No change)		Mode of Treatment & Disposal				Existing	After Change in Product Mix		1	Distillation Residue	20.3	5.0 Kg/day	4.52 Kg/Day	CHWTSDF	
Sr. No.	Type of Waste	Category (As per Schedule)	Generation per Year (No change)		Mode of Treatment & Disposal														
			Existing	After Change in Product Mix															
1	Distillation Residue	20.3	5.0 Kg/day	4.52 Kg/Day	CHWTSDF														

Sr. No.	Name of Industry	Recommendations																															
7	Clean Science and Technology Pvt.Ltd. Plot No. D-26/3, MIDC Kurkumbh, Tal- Daund Dist- Pune MPCB-CONSENT-0000067060 67939	<p>PP gave presentation on amendment in existing consent for change in product-mix. After interaction with the PP, it was noted that,</p> <ol style="list-style-type: none"> Environmental Clearance granted to the unit vide No. SEIAA-EC-0000000174 dated 16/02/2018 Consent to Operate granted by Board vide No. Format 1.0/BO/AST/UAN No. 0000057290/O/CC-570 dated 14/05/2019 valid up to 31.03.2021 PP submitted proposal for Products/By-Products with change in product mix: <table border="1" data-bbox="87 761 494 1892"> <thead> <tr> <th>Sr. No</th> <th>Name of Product</th> <th>Existing/ Consented (MTA)</th> <th>After change in Product mix quantity (MTA)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Anisole & their derivatives</td> <td>9000</td> <td>9000</td> </tr> <tr> <td>2</td> <td>Hydroquinone, Catechol & their derivatives</td> <td>9999.96</td> <td>5000</td> </tr> <tr> <td>3</td> <td>Vanillin & their derivatives</td> <td>3000</td> <td>1300</td> </tr> <tr> <td>4</td> <td>Butylated Hydroxy Anisole (BHA)</td> <td>2400</td> <td>0</td> </tr> <tr> <td>5</td> <td>Dicyclohexylcarbodiimide (DCC)</td> <td>0</td> <td>1200</td> </tr> <tr> <td>6</td> <td>Ascorbyl Palmitate</td> <td>0</td> <td>300</td> </tr> </tbody> </table>				Sr. No	Name of Product	Existing/ Consented (MTA)	After change in Product mix quantity (MTA)	1	Anisole & their derivatives	9000	9000	2	Hydroquinone, Catechol & their derivatives	9999.96	5000	3	Vanillin & their derivatives	3000	1300	4	Butylated Hydroxy Anisole (BHA)	2400	0	5	Dicyclohexylcarbodiimide (DCC)	0	1200	6	Ascorbyl Palmitate	0	300
Sr. No	Name of Product	Existing/ Consented (MTA)	After change in Product mix quantity (MTA)																														
1	Anisole & their derivatives	9000	9000																														
2	Hydroquinone, Catechol & their derivatives	9999.96	5000																														
3	Vanillin & their derivatives	3000	1300																														
4	Butylated Hydroxy Anisole (BHA)	2400	0																														
5	Dicyclohexylcarbodiimide (DCC)	0	1200																														
6	Ascorbyl Palmitate	0	300																														
	<p>9. PP has received NIPPL certificate from Goldfin Engineering Systems Pvt Ltd</p> <p>Considering the above, committee noted that, there is no increase in pollution load.</p> <p>Finally, after due deliberations, it was decided to recommend the case for change in product under product mix with a condition to dispose the by-product as Hazardous Waste and shall comply the provision of HW Rules for sale/disposal of by-products.</p>	<table border="1" data-bbox="1173 649 1412 1982"> <tbody> <tr> <td>2</td> <td>Chemical Sludge from waste water treatment plant</td> <td>35.3</td> <td>30.0 Kg/Day</td> <td>30.0 Kg/Day</td> <td>CHWTSDF</td> </tr> <tr> <td>3</td> <td>Schedule II Cyanide Compound</td> <td>Schedule II: A-10</td> <td>2.0 Kg/Day</td> <td>1.5 Kg/Day</td> <td>CHWTSDF</td> </tr> </tbody> </table>				2	Chemical Sludge from waste water treatment plant	35.3	30.0 Kg/Day	30.0 Kg/Day	CHWTSDF	3	Schedule II Cyanide Compound	Schedule II: A-10	2.0 Kg/Day	1.5 Kg/Day	CHWTSDF																
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3	Schedule II Cyanide Compound	Schedule II: A-10	2.0 Kg/Day	1.5 Kg/Day	CHWTSDF																												

Sr. No.

Name of Industry

Recommendat is

	Sub-Total	24399.96	16800
7	O-cresol	0	450
8	Sodium Sulphate	0	3861
9	Ammonium Salt	0	2940
10	Hydrochloric Acid	0	42
	Sub total	0	7293
	TOTAL	24399.96	24093

The overall production after proposed change in product mix will reduce from 24399.96 MTA to 24093 MTA (This includes 7293 MTA which shown as co-products which will be sold to direct authorized users).

4. After proposed change in product mix Water consumption will be reduced from 540 CMD to 539 CMD and Trade Effluent generation will also be reduced from 156 to 155 CMD. Trade Effluent generation before product mix is 156 CMD having COD, BOD and TDS load as 712 Kg/d, 351 Kg/d & 158 Kg/d respectively while after product mix it will be 155 CMD having COD, BOD and TDS load as 691 Kg/d, 310Kg/d & 155 Kg/d respectively. Domestic effluent will remain same.

5. Effluent (Trade & Domestic) generated will be treated in existing Effluent Treatment facilities as below:

- a. **Domestic Effluent:** PP has provided the Septic Tank followed by soak pit for treatment of sewage. Overflow, if any shall be applied on land for gardening purpose within premise.

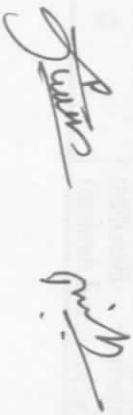
- b. **Trade Effluent:**

Process Effluent: Industry have provided full-fledged Effluent Treatment Plant of designed capacity 250 CMD comprising of Anaerobic followed by aerobic treatment. Treated effluent after tertiary will be passed through RO while RO reject will be evaporated in MEE. RO permeate and MEE condensate will be reused/recycled in process such as boiler and cooling tower make up, use in scrubbers/solution making in ETP etc. to achieve the ZLD.

Industry is achieving Zero Liquid Discharge. Industry has installed online monitoring system and connected to Boards server.

Sr. No.	Name of Industry	Recommendations																																				
		<p>6. Existing Boilers (2 nos.) (6 TPH & 15 TPH), Thermopac (2 nos.) (8Lac Kcal/Hr. & 10 Lac Kcal/Hr) and DG sets (2 nos) (1500 & 750 KVA) will be utilized after product mix. However, there will not be additional fuel required. Existing Fuel requirement will remain same.</p> <p>7. Air emission before and after product mix will remain same.</p> <p>8. Hazardous Waste generation is as follows.</p> <p>Hazardous waste details: -</p> <table border="1" data-bbox="478 638 1013 2016"> <thead> <tr> <th rowspan="2">Sr. No.</th> <th rowspan="2">Type of Waste</th> <th rowspan="2">Category (As per Schedule)</th> <th colspan="2">Generation per Year (No change)</th> <th rowspan="2">Mode of Treatment & Disposal</th> </tr> <tr> <th>Existing</th> <th>After Change in Product Mix</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Distillation Residue</td> <td>20.3</td> <td>3.0 MT/M</td> <td>2.81 MT/M</td> <td>CHWTSDF</td> </tr> <tr> <td>2</td> <td>Empty Drums</td> <td>33.3</td> <td>200 Nos./M</td> <td>200 Nos./M</td> <td>Authorized party or return to vendor</td> </tr> <tr> <td>3</td> <td>ETP Sludge from waste water treatment plant</td> <td>35.3</td> <td>5.0 MT/D</td> <td>5.0 MT/D</td> <td>CHWTSDF</td> </tr> <tr> <td>4</td> <td>MEE Salts</td> <td>37.3</td> <td>4.0 MT/M</td> <td>4.0 MT/M</td> <td>CHWTSDF</td> </tr> </tbody> </table> <p>PP has received NIPPL certificate from Goldfin Engineering Systems Pvt Ltd</p> <p>Considering the above, Committee noted that, there is no increase in pollution load i.e effluent quantity, air emissions and hazardous waste.</p> <p>Finally, after due deliberations, it was decided to recommend the case for change in product under product mix with a condition to dispose the Co-product as Hazardous Waste and shall comply the provision of HW Rules for sale/disposal of co-products</p>					Sr. No.	Type of Waste	Category (As per Schedule)	Generation per Year (No change)		Mode of Treatment & Disposal	Existing	After Change in Product Mix	1	Distillation Residue	20.3	3.0 MT/M	2.81 MT/M	CHWTSDF	2	Empty Drums	33.3	200 Nos./M	200 Nos./M	Authorized party or return to vendor	3	ETP Sludge from waste water treatment plant	35.3	5.0 MT/D	5.0 MT/D	CHWTSDF	4	MEE Salts	37.3	4.0 MT/M	4.0 MT/M	CHWTSDF
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Sr. No.	Name of Industry	Recommendations
08	Mangalam Organics Limited At/Po- Kumbhivaili, Savroli Kharpada road, Tal- Khalapur, Dist-Raigad MPCB-CONSENT- 0000068426	<p>PP gave presentation on amendment in existing consent for change in product-mix. After interaction with the PP, it was noted that,</p> <ol style="list-style-type: none"> 1. Environmental Clearance granted to the unit vide No. J-11011/154/2012-IA II(I) dated 31/3/2016 2. Consent to Operate granted by Board vide No. Format 1.0/BO/CAC-Cell/UAN No. 0000033838/CAC-1805000851 dated 18/5/2018 valid up to 28/2/2020 <p>After due deliberation, it was noticed that,</p> <ol style="list-style-type: none"> 1. Environmental Clearance awarded to the unit for total production quantity of 4141 MTM and Industry has obtained Consent to Operate for the production quantity of 1550 MTM. 2. Industry after product mix proposed to enhance the existing production quantity and introduce new products within the limit of Environmental Clearance. However, Industry required to install additional plant & machinery to cope up with applied quantity and as per EIA Notification dated 23/1/2016 additional plant & machinery installation not allowed. <p>Considering the record & submissions of the unit, industry require to install Plant & machinery for additional production quantity and for which required to obtain Consent to Establish.</p> <p>Finally, after due deliberations, it was decided not to consider the case for change in product mix and ask PP to obtain Consent to Establish for additional production quantity as per Environmental Clearance.</p>
09	BEC Chemicals Pvt. Ltd. PLOT AREA, DHATAV- NO.24, MIDC ROHA, RAIGAD	<p>PP gave presentation on amendment in existing consent for change in product-mix. After interaction with the PP, it was noted that, Industry has not obtained Environmental Clearance from Competent Authority.</p> <p>As per the MoEF Notification dated 23/1/2016, Clause 7 (ii) (c) Any change in product-mix, change in quantities within products or number of products in the same category <u>for which environmental clearance has been granted shall be exempt</u> from the requirement of prior environmental clearance provided that there is no change in the total capacity sanctioned in prior environmental clearance granted earlier under this notification and there is no increase in pollution load.</p> <p>In this case, Industry has not obtained Environmental Clearance. Hence, committee decided not to consider the case under Change in product mix and dispose of the application.</p>



Sr. No.	Name of Industry	Recommendations
10	Zydus Takeda Healthcare Pvt. Ltd. C-4, MIDC, Village Pawane, Navi Mumbai MPCB-CONSENT-0000072984	Industry representative were not present for meeting. It was noticed that, PP has not submitted No Increase in Pollution Certificate and proforma under product mix which is the mandatory document for considering the application under change in product mix as per the Boards circular dated 11/7/2017. Considering the above, Committee decided not to consider the application under change in product mix and dispose off the same.
11	AARTI DRUGS LTD. PLOT NO. T-150, M.I.D.C., TARAPUR INDL AREA, BOISAR (W) - 401506 MPCB-CONSENT-0000057781	PP gave presentation on amendment in existing consent for change in product-mix. After interaction with the PP, it was noted that, 1. Environmental Clearance granted to the unit vide No. SE/AA-2014/CR-392/TC-2 dated 28/01/2016 2. Consent to Operate granted by Board vide No. Format 1.0/BO/AST/UAN No. 0000021757/O/CC-1801000460 dated 10/01/2018 valid up to 31.08.2022 3. PP submitted proposal for New Products and delete some existing products with change in product mix:

Sr. No.	Name of Product	Existing As per Consent (TPM)	After Change in product mix (TPM)
1	Poly Allyl Amine HCL	400	0
2	Cyclopropyl Amine	400	100
3	Hydrogenation Products	100	0
4	Salt recovery	2700	2166
5	Sodium Benzene Sulphinatate	0	150
6	Cis Bromo Benzoate OR Trans Bromo Benzoate	0	170
7	Benzene Sulphonic Acid	0	50
8	Intermediates of Itraconazole	0	21.4
9	25% NH3 (Generating from Cyclopropyl Amine)	0	273
10	Sodium Hypochlorite Solution (Generating from Cyclopropyl Amine)	0	77.6

Sr. No.	Name of Industry	Recommendations																																
12	Sequent Scientific Ltd. B-32, G-2 & G-3, MIDC, MAHAD, RAIGAD MPCB-CONSENT-0000071306	<p>4. The products mentioned at sr. no. 09, 10, 11, 12, 13, 14, 15 & 16 basically Hazardous Waste and due to which overall Hazardous waste quantity will increase compared to existing Hazardous waste quantity.</p> <p>During Technical Discussion PP informed that, they will revisit the proposal and will resubmit the same to Board.</p> <p>Considering the above, committee decided to defer the case and submit the revised proposal.</p> <p>PP gave presentation on amendment in existing consent for change in product-mix. After interaction with the PP, it was noted that,</p> <ol style="list-style-type: none"> 1. Environmental Clearance granted to the unit vide No. SEAC-2013/CR-489/TC- dated 16/1/2016 2. Consent to Operate granted by Board vide No. Format 1.0/AST/UAN No. 0000003623/O&A/CC-10430 dated 22/11/2016 valid upto 30/9/2020 3. PP submitted proposal for Products with change in product mix: as per below: <table border="1" data-bbox="949 734 1460 1915"> <thead> <tr> <th data-bbox="1380 734 1460 853">Sr. No.</th> <th data-bbox="1380 853 1460 1355">Name of Product</th> <th data-bbox="1380 1355 1460 1646">Existing Quantity as per EC (MT/M)</th> <th data-bbox="1380 1646 1460 1915">After change in Product mix quantity (MT/M)</th> </tr> </thead> <tbody> <tr> <td data-bbox="1316 734 1380 853">11</td> <td data-bbox="1316 853 1380 1355">Methanol (Generating from Cyclopropyl Amine)</td> <td data-bbox="1316 1355 1380 1646">0</td> <td data-bbox="1316 1646 1380 1915">316</td> </tr> <tr> <td data-bbox="1252 734 1316 853">12</td> <td data-bbox="1252 853 1316 1355">Glycerin (Generating from Cis Bromo Benzoate)</td> <td data-bbox="1252 1355 1316 1646">0</td> <td data-bbox="1252 1646 1316 1915">5.5</td> </tr> <tr> <td data-bbox="1189 734 1252 853">13</td> <td data-bbox="1189 853 1252 1355">HBr Solution (Generating from Cis Bromo Benzoate)</td> <td data-bbox="1189 1355 1252 1646">0</td> <td data-bbox="1189 1646 1252 1915">216</td> </tr> <tr> <td data-bbox="1125 734 1189 853">14</td> <td data-bbox="1125 853 1189 1355">Methylene Di Chloride - MDC (Generating from Cis Bromo Benzoate)</td> <td data-bbox="1125 1355 1189 1646">0</td> <td data-bbox="1125 1646 1189 1915">7.8</td> </tr> <tr> <td data-bbox="1061 734 1125 853">15</td> <td data-bbox="1061 853 1125 1355">Butanol (Generating from Cis Bromo Benzoate)</td> <td data-bbox="1061 1355 1125 1646">0</td> <td data-bbox="1061 1646 1125 1915">1.0</td> </tr> <tr> <td data-bbox="997 734 1061 853">16</td> <td data-bbox="997 853 1061 1355">HCl (30%) (Generating from Benzene Sulphonic Acid)</td> <td data-bbox="997 1355 1061 1646">0</td> <td data-bbox="997 1646 1061 1915">43</td> </tr> <tr> <td data-bbox="949 734 997 853"></td> <td data-bbox="949 853 997 1355">Total</td> <td data-bbox="949 1355 997 1646">3600</td> <td data-bbox="949 1646 997 1915">3597.3</td> </tr> </tbody> </table>	Sr. No.	Name of Product	Existing Quantity as per EC (MT/M)	After change in Product mix quantity (MT/M)	11	Methanol (Generating from Cyclopropyl Amine)	0	316	12	Glycerin (Generating from Cis Bromo Benzoate)	0	5.5	13	HBr Solution (Generating from Cis Bromo Benzoate)	0	216	14	Methylene Di Chloride - MDC (Generating from Cis Bromo Benzoate)	0	7.8	15	Butanol (Generating from Cis Bromo Benzoate)	0	1.0	16	HCl (30%) (Generating from Benzene Sulphonic Acid)	0	43		Total	3600	3597.3
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14	Methylene Di Chloride - MDC (Generating from Cis Bromo Benzoate)	0	7.8																															
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	Total	3600	3597.3																															
A	Product																																	

Sr. No.	Name of Industry	Recommendations			
01	Fenbendazole	08		0	
02	Buparvaquone	01		0	
03	Parvaquone	01		0	
04	Diphenyl Sulphite Pure (Purification)	16		0	
05	Albendazole	80		60	
06	S-Methoprene	01		0.5	
07	Ricobendazole	03		04	
08	Nitroscanate	01		01	
09	Diclazuril Intermediate	0		02	
10	Carprofen	0		3.5	
11	Oxfendazole	0		5	
12	Clorsulon Intermediate	0		3	
13	FTC	0		15	
14	Afoxolaner	0		2	
15	Fluralaner	0		2	
16	Sarolaner	0		2	
	Total	111		100	
B	Solvent distillation for recovery	19 KL/Day		19 KL/Day	
C	By-Product				
1	10% Sodium Bromide	301		0	

The overall production after proposed change in product mix will be reduced from 111 MT/M to 100 MT/M

4. After proposed change in product mix Water consumption will be reduced from 204.5 CMD to 173.8 CMD and Effluent generation will also be reduced from 105 to 100.86 CMD. COD load before product mix is 2304.5 Kg/Day after product mix will be 1875.5 Kg/day. BOD load before product mix is 696 Kg/Day after product mix will be 558 Kg/day. TDS load before product mix is 2093 Kg/Day after product mix will be 1888.2 Kg/day

5. Effluent (Trade & Domestic) generated will be treated in existing Effluent Treatment facilities as below:

Sr. No.	Name of Industry	Recommendations																																		
		<p>a. Domestic Effluent: The sewage generated is treated in septic Tank and subsequently treated in the Effluent treatment plant.</p> <p>b. Trade Effluent:</p> <ul style="list-style-type: none"> ➤ HCOD/HTDS effluent is being treated in ETP comprising primary treatment, stripping column, Multi Effective Evaporator and Agitated Thin film dryer. ➤ LCOD effluent is being treated in ETP comprising Primary treatment, Aeration Tank, Secondary Clarifier, Tertiary Treatment, Reverse Osmosis and MEE <p>After treatment industry proposed to recycle 82.36 CDM within process and remaining 18.5 CMD will be connected to CETP as per the existing consent condition.</p>																																		
6.		<p>Existing Boiler (03 TPH), Thermopack (02 Lakh Kcal/Hr), Thermopack (04 Lakh Kcal/Hr) and DG Sets (02 Nos-500 KVA) will be utilized after product mix also. Industry proposed for additional fuel quantity of Briquette from 30 Kg/hr to 50 Kg/hr which was not accepted. The fuel consumption will not be changed.</p>																																		
7.		<p>Hazardous Waste generation is as follows.</p>																																		
		<table border="1"> <thead> <tr> <th data-bbox="646 660 790 750">Sr. No</th> <th data-bbox="646 750 790 996">Type of Waste</th> <th data-bbox="646 996 790 1176">Category (As per Schedule)</th> <th colspan="2" data-bbox="646 1176 790 1769">Generation per Year (No change)</th> <th data-bbox="646 1769 790 2004">Mode of Treatment & Disposal</th> </tr> <tr> <td></td> <td></td> <td></td> <th data-bbox="646 1176 790 1489">Existing</th> <th data-bbox="646 1489 790 1769">After Change in Product Mix</th> <td></td> </tr> </thead> <tbody> <tr> <td>1</td> <td>Used/Spent Oil</td> <td>5.1</td> <td>0.204 MT/A</td> <td>0.204 MT/A</td> <td>Sale to Authorized Reprocessor</td> </tr> <tr> <td>2</td> <td>Residue & Wastes</td> <td>28.1</td> <td>0.204 MT/A</td> <td>0.204 MT/A</td> <td>CHWTSDF/Sale to Authorized party having permission under Rule 9</td> </tr> <tr> <td>3</td> <td>Spent Organic Solvent</td> <td>28.6</td> <td>10.128 MT/A</td> <td>10.128 MT/A</td> <td>CHWTSDF/Sale to Authorized party having permission under Rule 9</td> </tr> </tbody> </table>					Sr. No	Type of Waste	Category (As per Schedule)	Generation per Year (No change)		Mode of Treatment & Disposal				Existing	After Change in Product Mix		1	Used/Spent Oil	5.1	0.204 MT/A	0.204 MT/A	Sale to Authorized Reprocessor	2	Residue & Wastes	28.1	0.204 MT/A	0.204 MT/A	CHWTSDF/Sale to Authorized party having permission under Rule 9	3	Spent Organic Solvent	28.6	10.128 MT/A	10.128 MT/A	CHWTSDF/Sale to Authorized party having permission under Rule 9
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3	Spent Organic Solvent	28.6	10.128 MT/A	10.128 MT/A	CHWTSDF/Sale to Authorized party having permission under Rule 9																															

Sr. No.	Name of Industry	Recommendations					
4	Distillation Residue from contaminated Organic Solvent	20.3	106.75 MT/A	106.75 MT/A	CHWTSDF/Sale to Authorized party having permission under Rule 9		
5	ETP Sludge	35.3	118.3 MT/A	118.3 MT/A	CHWTSDF		
6	Process Dust	28.4	03 MT/A	03 MT/A	CHWTSDF		
7	Filter & Filter Material which have organic liquid	36.2	0.144 MT/A	0.144 MT/A	CHWTSDF		
8	Evaporation Residue (ATFD salt)	37.3	297.5 MT/A	400 MT/A	CHWTSDF/Sale to Authorized party having permission under Rule 9	CBMWTSDF	
9	Bio-Medical Waste	Yellow	---	0.5 MT/A			
10	E-Waste	ITEW2, ITEW3, ITEW6	---	01 MT/A	Sale to Authorized Recycler		
11	Battery Waste	---	---	1.5 MT/A	Sale to Authorized Recycler		
8.	PP has received NIPL certificate from Sadekar Enviro Engineers Pvt. Ltd.						
Considering the above, committee noted that, there is no increase in pollution load.							
Finally, after due deliberations, it was decided to recommend the case for change in product under product mix. Industry shall upload all the documents presented before Committee on Boards web portal.							

Sr. No.

Name of Industry

Recommendations

13 Sequent Scientific Ltd. Plot No W-150 to W-152 & W-136 to W-141, MIDC, Dist- Palghar, Boisar. - 401501
MPCB-CONSENT-0000071250



PP gave presentation on amendment in existing consent for change in product-mix. After interaction with the PP, it was noted that,
1. Environmental Clearance granted to the unit vide No. J-11011/1/3/2006-IA II (I) dated 09/6/2006 and mended on 15th December 2014
2. Consent to Operate granted by Board vide No. Format 1.0/BO/AS(T)/TN-5953-15/R/GEN-4465 dated 30/3/2016 valid upto 31/7/2021
3. PP submitted proposal for Products with change in product mix: as per below:

Sr. No.	Name of Product	Existing Quantity as per EC (MT/M)	Existing Quantity as per C to O	After change in Product mix quantity (MT/M)
01	Fenbendazole	1.0	11.0	0
02	Calcium Phosphoryl Chloride	3.0	3.0	3.0
03	Cymiazole	0.0	1.0	0.0
04	Azamethophos	0.0	1.0	0.0
05	S Methoprene	0.0	1.0	0.0
06	Oxibendazole	1.0	9.0	0.0
07	Diminazene Diacetate	0.0	11.0	8.0
08	Nitroxyryl	0.0	0.0	
08	Diminazene Acetate	5.0	5.0	0.0
09	Mebendazole (Polymorph C)	1.0	8.0	0.0
10	Triclabendazole	2.0	5.0	5.5
11	Toldimfos Sodium	2.0	2.0	2.0
12	Fusemide	1.0	1.0	0.0
13	Benzthiazide	0.5	0.5	0.0
14	Clorsulon	2.0	4.0	2.0
15	Glibenclamide	0.5	0.5	0.0
16	Niclosamide	1.0	1.0	0.0
17	Albendazole Purification Nitroscanate	0.0	0.0	2.0
18	Butaphosphan Buparvaquone	0.0	0.0	0.5

Sr. No.	Name of Industry	Recommendations																	
		Total	24.5	--	24.5														
		<p>The overall production after proposed change in product mix will not be changed i.e. production quantity will be 24.5 MT/M</p>																	
4.		<p>After proposed change in product mix Water consumption will be reduced from 186 CMD to 108.11 CMD and Effluent generation will also be reduced from 88 to 49.81 CMD. COD load before product mix is 1340 Kg/Day after product mix will be 1321 Kg/day. BOD load before product mix is 455.6 Kg/Day after product mix will be 449.2 Kg/day. TDS load before product mix is 620 Kg/Day after product mix will be 606 Kg/day</p>																	
5.		<p>Effluent (Trade & Domestic) generated will be treated in existing Effluent Treatment facilities as below:</p> <p>a. Domestic Effluent: The sewage generated is treated in septic Tank and subsequently treated in the Effluent treatment plant.</p> <p>b. Trade Effluent:</p> <ul style="list-style-type: none"> ➤ HCOD/HTDS effluent is being treated in ETP comprising primary treatment, stripping column, Multi Effective Evaporator and Agitated Thin film dryer. ➤ LCOD effluent is being treated in ETP comprising Primary treatment, Aeration Tank, Secondary Clarifier, Tertiary Treatment, Reverse Osmosis and MEE <p>After treatment industry proposed to recycle 9.81 CMD within process and remaining 40 CMD will be connected to CETP as per the existing consent condition.</p>																	
6.		<p>Existing Boiler (1.5 TPH), Boiler (0.6 TPH) Process Reactor (03 Nos) and DG Set 500 KVA will be utilized after product mix also. The fuel consumption will not be changed.</p>																	
7.		<p>Hazardous Waste generation is as follows.</p>																	
		<table border="1"> <thead> <tr> <th rowspan="2">Sr. No</th> <th rowspan="2">Type of Waste</th> <th rowspan="2">Category (As per Schedule)</th> <th colspan="2">Generation per Year (No change)</th> <th rowspan="2">Mode of Treatment & Disposal</th> </tr> <tr> <th>Existing</th> <th>After Change in Product Mix</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Used/Spent Oil</td> <td>5.1</td> <td>0.06 MT/A</td> <td>0.06 MT/A</td> <td>Sale to Authorized Reprocessor</td> </tr> </tbody> </table>				Sr. No	Type of Waste	Category (As per Schedule)	Generation per Year (No change)		Mode of Treatment & Disposal	Existing	After Change in Product Mix	1	Used/Spent Oil	5.1	0.06 MT/A	0.06 MT/A	Sale to Authorized Reprocessor
Sr. No	Type of Waste	Category (As per Schedule)	Generation per Year (No change)		Mode of Treatment & Disposal														
			Existing	After Change in Product Mix															
1	Used/Spent Oil	5.1	0.06 MT/A	0.06 MT/A	Sale to Authorized Reprocessor														

Sr. No.	Name of Industry	Recommendations					
2	Spent Carbon	28.3	1.2 MT/A	1.2 MT/A	CHWTSDF		
3	ETP Sludge	35.3	6 MT/A	6 MT/A	CHWTSDF		
4	Evaporation Residue	37.3	---	252 MT/A	CHWTSDF/Sale to Authorized party having permission under Rule 9		
5	Discarded containers/ Polythene Bags	33.1	300 MT/A	600 MT/A	CHWTSDF/ Sale to Authorized party having permission under Rule 9		
6	Centrifuge Bags	36.2	0.48 MT/A	0.48 MT/A	CHWTSDF		
7	Bio Medical Waste	Yellow	---	0.5 MT/A	CBMWTSDF		
8	E-Waste	ITEM2, ITEM3, ITEM6	---	01 MT/A	Sale to Authorized Recycler		
9	Battery Waste	---	---	1.5 MT/A	Sale to Authorized Recycler		
<p>8. PP has received NIPPL certificate from Sadekar Enviro Engineers Pvt. Ltd. Considering the above, Committee noted that, there is no increase in pollution load. Finally, after due deliberations, it was decided to recommend the case for change in product under product mix. Industry shall upload all the documents presented before Committee on Boards web portal</p>							

1st meeting of Technical Committee 2019/20

Sr. No.

Name of Industry

Recommendations

14 Indo Amines Limited
(Formerly known as Classic Oil Limited.) W-44, Dombivili MIDC Phase-II, Manpada Road, Dombivili €
MPCB-CONSENT-
0000065817

PP gave presentation on amendment in existing consent for change in product-mix. After interaction with the PP, it was noted that,
1. Environmental Clearance granted to the unit vide No. SEIAA-EC-0000000204 dated 12/3/2018
2. Consent to Operate granted by Board vide No. Format 1.0/BO/BO/AS(T)/UAN No 0000045397/O-1901000795 dated 11/1/2018 valid upto 31/12/2021
3. PP submitted proposal for Products with change in product mix: as per below:

Sr. No.	Name of Product	Existing Quantity as per EC (MT/M)	After change in Product quantity (MT/M)
01	CYCLOHEXANOL	20	0
02	2 - METHYL CYCLOHEXANOL	40	140
03	2 - METHYL CYCLOHEXYL ACETATE	300	250
04	DI-ISO BUTYL CARBINOL (DIBC)	100	100
05	N - BUTYL CHLORIDE(NBC)	20	0
06	ISOBUTYL CHLORIDE (IBC)	10	0
07	TERTIARY BUTYL CHLORIDE (TBC)	10	0
08	TRIOCTYL PHOSPHATE / TRI (ETHYL HEXYL) PHOSPHATE)	450	150
09	TRIPHENYL PHOSPHITE	100	0
10	TRIBUTYL PHOSPHATE	20	20
11	2-ETHYL ANTHRAQUINONE	100	100
12	TERTIARY BUTYL UREA	230	100
13	TYRAMINE/TYRAMINE HCl	20	20
14	CYCLOHEXYL CHLORIDE	0	20
15	VINYL CHLOROFORMATE	0	01
16	2-PHENYLETHYL ISOCYANATE	0	05
17	BENZYL ISOCYANATE	0	05
18	N-BUTYL ISOCYANATE	0	05
19	PARA HYDROXYACETOPHENONE	0	100
20	OCTADECYL ISOCYANATE	0	50
21	3-METHYLTHIOPHENE-2-CARBOXYLIC ACID	0	10

Sr. No.

Name of Industry

Recommendations

22	3-METHYL-2-THIOPHENECARBOXYALDEHYDE	0	10
23	PARA HYDROXYPHENYLACETIC ACID	0	20
24	2-THIOPHENECARBOXYALDEHYDE	0	40
25	2-THIOPHENECARBOXYLIC ACID	0	100
26	PARA METHOXYPHENYLACETIC ACID	0	20
	Total	1420	1166

The overall production after proposed change in product mix will be reduced i.e. from 1420 MT/M to 1166 MT/M.

By-product:

Sr. No.	Name of By-Product	Existing Quantity as per EC (MT/M)	After change in Product quantity (MT/M)
01	30% HCl	538.54	360.42
02	Dil. Acetic Acid (30%)	49.5	41.25
03	Sodium Acetate	08	6.75
04	Calcium Carbonate	19.3	18.51
05	Aluminium Chloride solution	0	12.36
06	Aluminium Chloride sol'n	0	52.32
	Total	615.34	602.85

The overall by-product quantity after proposed change in product mix will be reduced i.e. from 615.34 MT/M to 602.85 MT/M

- After proposed change in product mix Water consumption will be reduced from 115 CMD to 113 CMD and Effluent generation will remain same. COD load before product mix is 735 Kg/Day after product mix will be 1113 Kg/day. TDS load before product mix is 1957 Kg/Day after product mix will be 2222 Kg/day
- Effluent (Trade & Domestic) generated will be treated in existing Effluent Treatment facilities as below:

Sr. No.	Name of Industry	Recommendations
15	Aquapharm Chemicals Pvt. Ltd. Plot # K3/1, K3/2, K3/3; Addl. MIDC Mahad, A/P. Birwadi, Tal. Mahad, Dist. Raigad MPCB-CONSENT-0000069926	<p>6. Process emission will be 136 Kg/day (Existing-137 Kg/day)</p> <p>7. Organic Residue will be 14 Kg/day (Existing- 14 Kg/day). Inorganic + Residual salt will be 1957 Kg/day (Existing – 2222 Kg/day) Spent Carbon will be 28 Kg/day</p> <p>8. Solvent input will be reduced by 457 kg day (From 6821.2 kg/day to 6364.2 kg/day) and there will be 98 % of solvent recovery</p> <p>9. PP has received NIPL certificate from buildingenvironment (India) Pvt. Ltd.</p> <p>Considering the above, Committee noted that, there is no increase in pollution load.</p> <p>Finally, after due deliberations, it was decided to recommend the case for change in product under product mix with a condition to dispose the by-product as Hazardous Waste and shall comply the provision of HW Rules for sale/disposal of by-products</p> <p>Due to time constraint, it was decided to defer the case and will be discussed in next meeting</p>

The meeting ended with vote of thanks to Chair.



(N.N. Gurav)
Regional Officer (HQ)
Member convener



(P.K. Mirashe)
Asst. Secretary (Tech)
Chairman of Product Mix Committee