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

**Date: 9th June, 2023**

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

Technical Committee Members present for the meeting:

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

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

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

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

**Introduction:**

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

**Exiting Clearances:**

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

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

**Project details:**

**A. Production Details:**
**Formulations Production Scenario**

| Sr. No. | Product Name | Existing Quantity MTA |
|---|---|---|
| **Formulation (Tablets, Creams, Powders, Syrups, Granules)** | | |
| 1. | Alergin/Acivir DT/400 DT/ 800 DT/Azloy – 250/500 | 20000000000 No/M |
| 2. | Alerid/Ambitol 200/400/600/800 | |
| 3. | Asthalin 2/4/SA/Theo Asthalin 2.9 /5/10 /AT | |
| 4. | Amlopaes-AT/2.5/5/10/Asthavent/ SASR tablets | |
| 5. | Bendex 400/Beclate aquanase/ Budenase AQ | |
| 6. | Ciplar 10/40/80/H/Carduk 30/60/Bruflam-200/400 | |
| 7. | Ciplan/DS/Cetrizine/Caffeine Granules | |
| 8. | Ciplox 100/250/500/750/Cipmax/Cipex | |
| 9. | Ciplactin/Cheston DT | |
| 10. | Co-Trimoxazole IP/Dosacard 1/2/4 | |
| 11. | Dyrade M/DS/Dilgard30/60/Deworm/Diclo/Doxyne | |
| 12. | Felogard-2.5/5/10 | |
| 13. | Fertomid/Febridol | |
| 14. | Guplip/Granules/Glumet/Glygard | |
| 15. | Hipres 50/100 | |
| 16. | Ibugesic200/400/600/Plus/M/Rheugesic | |
| 17. | Ibuprofen 200/400/600 | |
| 18. | Kineta 400/100/Kelfer 250/500 | |
| 19. | Leporid/Larpose 1/2 | |
| 20. | Lansoprazole Pellets | |
| 21. | Mucoline/Forte | |

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

**Production Scenario for Bulk Drugs**

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

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

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

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

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

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

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

**B. Pollution load Details:**

**(i) Water Consumption & Wastewater Aspect**

➢ **Before Product Mix**

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

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

➢ **After Product Mix:**

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

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

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

➢ **Treatment System**

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

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

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

**b) Domestic Effluent:**
The domestic effluent will be treated in ETP and sent to CETP.

**(ii) Air Emission Load**

➢ **Flue Gas Emissions**

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

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

Note: Industry has applied for amendment in consent vide application No. MPCB-CONSENT_AMMENDMENT-0000009602 dated 09.112022. Post product mix, industry has removed two boilers and two scrubbers. There will be reduction in fuel consumption by 225 Ltr/Hr. Hence, air pollution load post PM will reduce.

➢ **Process Emissions control systems:**

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

➢ **Process Emissions details:**

| Parameters | Before change in product mix | After change in product mix | As per EC | Consented Limit |
|---|---|---|---|---|
| TPM | 22.18 Mg/Nm$^3$ | 22.18 Mg/Nm$^3$ | NA | 150 Mg/Nm3 |
| $SO_2$ | 15 Mg/Nm$^3$ | 15 Mg/Nm$^3$ | | - |
| Acid Mist | <35 Mg/Nm$^3$ | <35 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 or spent oil | 5.1 | 42.0 | 42.0 | 42.0 | MT/A | Sale to authorized party |
| Wastes or residue containing oil | 5.2 | 6.0 | 6.0 | 6.0 | MT/A | CHWTSDF/ Co-processing / Pre-processing |
| Process residue and wastes | 28.1 | 300 | 300 | 300 | MT/A | CHWTSDF / Co-processing / Pre-processing |
| Spent Catalyst | 28.2 | 80.0 | 80.0 | 80.0 | MT/A | CHWTSDF/ Co-processing / Pre-processing |
| Spent carbon | 28.3 | 40.0 | 40.0 | 40.0 | MT/A | CHWTSDF/ Co-processing / Pre-processing |
| Off Specification products | 28.4 | 0.5 | 0.5 | 0.5 | MT/M | CHWTSDF/ Co-processing / Pre-processing |
| Date Expired product | 28.5 | 0.5 | 0.5 | 0.5 | MT/M | CHWTSDF/ Co-processing / Pre-processing |
| Spent organic solvents | 28.6 | 1560.0 | 1560.0 | 1526.5 | MT/A | Sale to authorized Party/ Co-processing / Pre-processing / CHWTSDF |
| Empty barrels/container/liners | 33.1 | 30.0 | 30.0 | 30.0 | Nos/ M | Sale to authorized Party/ Co-processing / Pre-processing / CHWTSDF |
| Contaminated cotton rags or other cleaning materials | 33.2 | 0.0 | 0.0 | 200 | Kg/M | CHWTSDF/ Co-processing / Pre-processing |
| Chemical sludge from waste water treatment | 35.3 | 238 | 238 | 238 | MT/A | CHWTSDF/ Co-processing / Pre-processing |

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

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

**Technical Committee Deliberations:**

The proposed project was discussed on the basis of documents – NIPL Certificate and presentation made by the industry. Product wise load calculation in terms of wastewater, Air emissions & Hazardous waste generation were discussed. Existing consent to operate, Environmental Clearance, NIPL Certificate issued by Ultra Tech (Environmental Consultancy & Environmental Testing Laboratory) and Product Mix Proforma are taken on the record.

**After due deliberations, Committee noticed that:**

i. The industry has claimed that, the establishment of the said industry is in the year 1982 which is even prior to E (P) act 1986, and the EIA notifications of the year 1994 and 2006 and produced a letter issued by State level Environment Impact Assessment Authority (SEIAA) vide no SIA/MH/IND3/74514/2018 dated 17.11.2022 wherein it is mentioned that, the provision of EIA notification 2006 are not applicable to the industry as there is no subsequent expansion beyond the consented parameters granted by MPCB. Therefore the industry requested to the committee to examine the NIPL with the consented parameters.

ii. The Technical Committee had deliberated on the aforesaid letter;

   a. With reference to the provisions made under the Ministry of Environment, Forests and Climate Change Notification number S.O.980 (E), dated 2nd March 2021. The MPC Boards vide office memorandum vide no BO/MPCB/AS(T)/Product-Mix/B-0233 dated 06/05.2022, the constitution of expert Technical Committee, for certification about " No Increase in Pollution load " for getting exemption from going through the entire EIA process.

   b. As per the amended MoEF&CC Notification No. S.O. 980(E) dated 2nd March 2021 wherein in the original Environment Impact Assessment Notification, 2006 in paragraph 7, sub-paragraph (ii) clause (b) substituted as under:

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

*Any increase in production capacity in respect of processing or production or manufacturing sectors (listed against item numbers 2,3, 4 and 5 in the Schedule to this notification) with or without any change in (i) raw material-mix or (ii) product-mix or (ii) quantities within products or (ii) number of products including new products falling in the same category or (iv) configuration of the plant or process or operations in existing area or in areas contiguous to the existing area (for which prior environmental clearance has been granted) shall be exempt from the requirement of Prior Environmental Clearance provided that there is no increase in pollution load (derived on the basis of such Prior Environmental Clearance):*

*Provided that such exemption shall be applicable only consequent to*

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

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

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

Appendix-XIII

Verification of No Increase in Pollution Load;

*The instant amendment in EIA Notification exempts the requirement of Prior Environmental Clearance for any increase in production capacity in respect of processing or production or manufacturing sectors (listed against item numbers 2,3, 4 and 5 in the Schedule to this notification) with or without any change in (i) raw material-mix or (ii) product-mix or (ii) quantities within products or (ii) number of products including new products falling in the same category or (iv) configuration of the plant or process or operations in existing area or in areas contiguous to the existing area specified in the environmental clearance of the project.* ***This facility is available to those units which have obtained prior environmental clearance under EIA Notification, 1994 and EIA Notification, 2006.***

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

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

industrial hazardous waste and such other parameters notified under the Environment (Protection) Rules, 1986 as amended from time to time .

iv. In absence of environmental clearance the committee has determined the pollution load on the basis of last Consent to Operate certificate issued by the Board vide no Format 1.0/CAC/UAN No.0000131364/CR/2209001232 dated 19/09/2022.

v. **Production;**

- Industry is engaged in manufacturing of 164 main products with total quantity of 144MTA, Formulation (Tablets, Creams, Powders, Syrups, Granules) (39 nos.) with production quantity of 20000000000 No/M, Ointment/Cream (8 nos.) with production quantity of 200 MT/A and Nasal Sprays (Vials) with production quantity of 50000000 Nos./Year.
- The quantities of various products shall be reduced/removed by 41.7MTA whereas addition of various product quantities shall be to the tune of 41.7MTA. Thereby, there will be No Change in the overall production capacity as granted in the earlier consent.

vi. **Water consumption;**

- Water Consumption After Product Mix – CMD Thus, after product mix, Water consumption will be reduced by 1.19 CMD.

vii. **Waste Water pollution load ;**

- Trade effluent generation & organic load will be reduced after product mix by 1.4CMD and 22.9Kg/Day respectively.

viii. **Air emission load;**

- There will be removal of two boilers and two scrubbers resulting in the air pollution reduction.

ix. **Hazardous waste load;**

- The overall Hazardous waste quantity after product mix will be reduced by 35MT/A

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

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

In view of this, the Technical Committee decided that, it will be appropriate to seek guidance from to MoEF & CC / Sate Govt. regarding this Product-mix applicant as well other such units, who were then not required to obtain EC / exempted as having old establishment prior to EC applicability, if NIPL is satisfied and in such cases the pollution load can be compared with the valid consent to Operate (CTO) for getting exemption from going through the entire EIA process.

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

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

**Introduction:**

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

**Exiting Clearances:**

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

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

**Project details:**

**A. Products with change in product mix as below:**

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

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

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

**B. Pollution load Details:**

**(i) Water & Wastewater Aspect**

- **Before Product Mix**

| Sr. No. | Particulars | Quantity, CMD |
|---|---|---|
| 1 | Water Consumption | 150 |
| 2 | **Trade Effluent Generation** | |

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

➢ **After Product Mix**

| Sr. No. | Particulars | Quantity, CMD |
|---|---|---|
| 1 | Water Consumption | 150 |
| 2 | **Trade Effluent Generation** | |

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

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

- Water Consumption will be the same.

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

➢ **Treatment System**

**a) Trade Effluent:**

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

**b) Domestic Effluent:**

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

**(ii) Air Emission Load:**

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

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

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

➢ **Flue Gas Parameter: -**

| Sr. No. | Parameters: | Fuel | Before change in product-mix | After change in product-mix | MPCB Norms |
|---|---|---|---|---|---|
| 1 | Particulate Matter | PNG | <10mg/Nm3 | No change | <150 mg/Nm$^3$ |
| 2 | Particulate Matter | HSD | <50 mg/Nm3 | No change | <600 Kg/Day |
| 3 | $SO_2$ | HSD | <16 kg/day | No change | <150 mg/Nm$^3$ |

➢ **Process stack:**

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

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

➢ **Process Emission:**

| Sr. No | Parameters | Before change in product-mix | After change in product-mix | Limit |
|---|---|---|---|---|
| 1 | Ammonia NH3 | <07 mg/Nm3 | No Change | 35 mg/Nm3 |

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

(iii) **Hazardous waste load;**

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

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

**Technical Committee Deliberations:**

The proposed project was discussed on the basis of documents – NIPL Certificate and presentation made by the industry. Product wise load calculation in terms of wastewater, Air emissions & Hazardous waste generation were discussed. Existing consent to operate, Environmental Clearance, NIPL Certificate issued by Goldfinch Engineering Systems Pvt. Ltd and product mix Proforma are taken on the record.

**After due deliberations, Committee noticed that:**

i. **Production;**
- Change in the product mix in its existing facility is achieved by decreasing production capacity of 1 existing product & increasing Production capacity of 4 Existing Products. The proposed activity the total production capacity will be increased from 51850 MT/A to 61036 MT/A i.e., 9168 MT/A increase in production capacity.
- From the manufacturing of the Fatty Amides to the tune of 20,000 TPA, actual generation of ammonia is 3856 TPA (18%). However, the quantity 4200 TPA (15%) mentioned in EC & CTO was considering the required dilution as per consumer requirement for sale. Now for CIPM actual generation of ammonia is 5736 TPA which is 18%.
- By Product:- Aqueous Ammonia (Ammonia Liquor)- 4200 MT/A mentioned in Environmental clearance as well as in Consent to Operate therefore the Technical Committee has not considered the same in Hazardous waste quantity. However, the same shall be disposed off to the actual end user as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

ii. **Water consumption;**
- After Change in product mix the water consumption will remains same

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

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

- Process Vent was not mentioned in the existing CTO though they are currently available in the plant. PP requested to add these both vents in the Consent to operate
- In current CTO it was mentioned that the level of pollutants for HCl/ Acid Mist parameters. However, HCl is neither used in process nor getting generated from the process. As PP is using ammonia as raw material in process, PP requested to give NH3 as parameter in place of HCl/ Acid Mist.

v. **Hazardous waste load;**
   - The overall Hazardous waste quantity after product mix will remains same.

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

**Technical Committee Decision:**

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

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

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

**Introduction:**
This has reference to the online proposal submitted vide No. MPCB-CONSENT-0000163814 along with the copies of documents seeking amendment in existing consent to operate under change in product-mix under the provision of EIA Notification 2006 amended on 23/11/2016 and 02/03/2021. Industry has obtained consent to operate on 09.05.2023 and requested for amendment in consent to operate under change in product mix.

**Exiting Clearances:**

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

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

**Project details:**

**A. Production Details:**

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

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

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

**B. Pollution load Details:**

**(i) Water & Wastewater Aspect :**

- **Before Product Mix;**

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

➢ **After Product Mix;**

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

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

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

**Treatment System and disposal system.**

**a) Trade Effluent:**

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

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

**b) Domestic Effluent:**

The domestic effluent is treated in effluent treatment plant.

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

**(ii) Air Emission Load**

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

**(iii) Hazardous Waste Load**

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

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

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

**Technical Committee Deliberations:**

The proposed project was discussed on the basis of documents – NIPL Certificate and presentation made by the industry. Product wise load calculation in terms of Wastewater, Air emissions & Hazardous waste generation was discussed. Existing Consent to Operate, Environmental Clearance, NIPL Certificate issued by M/s. Sadekar Enviro Engineers Pvt. Ltd. and Product – Mix Proforma are taken on the record.

**After due deliberations, Committee noticed that:**

i. **Production:** Industry has applied for Change in Product Mix with no increase in the production quantity. The total production quantity will be slightly reduced i.e 0.5 MT/M. Total quantity after product mix is. 117 MT/ M.

ii. **Water consumption,** Waster Consumption will remain same after product mix.

iii. **Waste Water pollution load ;**

- Waste water generation will remain same after product mix.
- COD load will reduce by 1572.4 Kg/day and TDS load will reduce by 2120 Kg/day
- Committee noticed that, industry have segregated effluent into strong and weak stream.

iv. **Air emission load;**

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

v. **Hazardous waste load;**

- Previously process waste category not reflected in EC whereas spent catalyst reflected. Actual scenario there is generation of process waste instead of spent catalyst. Total generation of hazardous waste is within the EC limit. After product mix H.W. quantity reduced by 312.68 MT/A.

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

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

**Technical Committee Decision:**

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

(i) Industry shall comply with all the conditions stipulated in Environmental Clearance and ensure display/upload of six-monthly compliance monitoring report on their official website.

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

(iii) Industry shall ensure connectivity of OCEMS to Board server.

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

**Introduction:**

This has reference to the online proposal submitted vide No. MPCB-CONSENT-0000155088 along with the copies of documents seeking amendment in existing consent to operate under change in product-mix under the provision of EIA Notification 2006 amended on 23/11/2016 and 02/03/2021. Industry has obtained consent to operate on 09.05.2023 and requested for amendment in consent to operate under change in product mix.

**Exiting Clearances:**

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

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

**Project details:**

**A. Production Details:**

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

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

**Pollution load Details**

**(i) Water & Wastewater Aspect:**

- **Before Product Mix**

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

➢ **After Product Mix:**

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

**Waste water Treatment & mode of disposal System**

- **Segregation of concentrated streams and its disposal;**

  Industry has provided Multi Effect Evaporator followed by ATFD for treatment of high TDS/COD effluent.

- **Effluent treatment facilities provided;**

  The industry have segregated trade effluent into weak stream & strong stream and provided Effluent Treatment Plant (ETP) comprising of:

  - **Strong COD/TDS stream of 39.1 CMD** - Treatment system comprising of Primary (Primary after treatment) , Multi effect evaporator (3 stage) followed by ATFD. The MEE condensate is treated in weak stream ETP.
  - **Weak COD/TDS stream of 157.6 CMD** - Treatment system comprising of Primary (Collection tank, Neutralization tank, Equalization tank, Flash mixer, Primary Clarifier/Primary Settling Tank), Secondary (Activated sludge process), Tertiary (MEE & ATFD) with design capacity of 180 CMD.
  - Disposal: The treated effluent is being discharged to CETP after confirming above MPCB standards.

- **Proposal to achieve "Zero Liquid Discharge". With technical justification and feasibility.**

- **Domestic Effluent:**
- **Sewage treatment facilities provided and its disposal**

  Sewage generated will be 25 KLD which will remain same after product mix. Currently, the generated sewage is treated in ETP of design capacity 180 CMD comprising of Primary (Collection tank, Neutralization tank, Equalization tank, Flash mixer, Primary Clarifier/Primary Settling Tank), Secondary (Activated sludge process), Tertiary (MEE & ATFD). The treated effluent is being discharged to CETP after confirming above MPCB standards.

**(ii) Air Emission Load & APCSs:**

**a) From Fuel Burning /flue gas emission**

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

**b) Process emissions;**

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

**(iii) Hazardous Waste Load**

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

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

**Technical Committee Deliberations:**

The proposed project was discussed on the basis of documents – NIPL Certificate and presentation made by the industry. Product wise load calculation in terms of Wastewater, Air emissions & Hazardous waste generation was discussed. Existing Consent to Operate, Environmental Clearance, NIPL Certificate issued by M/s. Sadekar Enviro Engineers Pvt. Ltd. and Product – Mix Proforma are taken on the record.

**After due deliberations, Committee noticed that:**

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

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

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

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

v. **Hazardous waste load;**

There will be reduction in quantity of some of the wastes as mentioned in the above Table viz. –
- Cat. No 20.3 – Distillation Residue reduced by 374 MT/A

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

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

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

**Technical Committee Decision:**

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

(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.

The meeting ended with vote of thanks to Chair.

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

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