



ATUL BIOSCIENCE LTD

EC No. SEIAA | GUJ | EC | 5(f) | 965 | 2021

Period: April 2023 to September 2023

Project: Expansion in manufacturing plant of 'synthetic organic chemicals' [API and API intermediate]

| Sr. No.                        | Condition  | Compliance   |
|--------------------------------|--|--|
| <b>A. Conditions</b>           |  |  |
| <b>A.1 Specific Condition:</b> |  |  |
| 1                              | PP shall comply conditions of any subsequent amendment or expansion or change in product mix, after the 30 <sup>th</sup> March 2021, considered as per the provisions in force at that time as mentioned in the Notification vide S.O. 1223 (E) dated 27/03/2020 and S.O. 3636 (E) dated 15/10/2020. | <b>Noted and compliance assured.</b>   |
| 2                              | PP shall carried out proposed project/activities in respect of Active Pharmaceutical Ingredients (API) as per the amended EIA Notification vide S.O. 1223 (E) dated 27/03/2020 and any subsequent amendments.  | <b>Noted and compliance assured.</b>   |
| 3                              | PP shall submit six monthly compliance report of Environmental Clearance without fail and the same shall be critically assessed by the regulatory authority.   | <b>Complied.</b><br>We assure to regularly submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions. |



| Sr. No. | Condition  | Compliance   |
|---------|--|--|
| 4       | Waste water shall be fed in-house MEE only after providing adequate treatment in such a way that no pollutant get air borne during evaporation to avoid adverse impact on Human Health & Environment.                      | <b>Noted and will be complied.</b><br>The MEE is under commissioning stage during report period and necessary precautions have been taken.   |
| 5       | Close loop solvent recovery system with adequate condenser system shall be provide to recover vapors in such a manner that recovery shall be maximum and recovered solvent shall be reused in the process within premises. | <b>Noted and will be complied for proposed project.</b><br>Solvent recovery system has been already installed for existing project. All the reactors are equipped with vents/stacks, which are connected to either vapor recovery system consisting of condensers to get the maximum recovery, ejector/vacuum pumps and/or scrubbers. Recovered solvent is being reused in the process within premises.  |
| 6       | Leak Detection and Repair (LDAR) program shall be prepared and implemented as per the CPCB guidelines, LDAR Logbook shall be maintained.   | <b>Noted and compliance assured.</b><br>We have installed Distributed Control System (DCS) for close loop automated transferring of materials. We have provided vapor recovery system with adequate capacity of condenser with chilled brine cooling to recover the maximum solvent. Solvent pumps are provided with mechanical seals and LDAR covered under procedure of preventive maintenance system. |
| 7       | PP shall maintain Complete Zero Liquid Discharge (ZLD) status all the time after expansion and there shall be no drainage connection from the premises and no waste water discharge outside                                | <b>Noted and will be complied.</b><br>with as the ZLD system is under commissioning stage during the report period. Effluent is sent to ETP of Atul Ltd for treatment as per earlier EC F. No. J -11011/84/2009-IA II (I) dated April 9, 2009.   |



| Sr. No. | Condition   | Compliance  |
|---------|---|---|
|         | premises by any means.  |   |
| 8       | The unit shall submit the list of authorized end users of hazardous wastes along with MoU signed with them at least two months in advance prior to the commencement of production. In the absence of potential buyers of these items, the unit shall restrict the production of the respective items. | <p><b>Noted and complied.</b><br/>Presently, we are using captive facilities of Atul Ltd as per point 5 of EC F. No. J -11011/84/2009-IA II (I) dated April 9, 2009.</p> <p>We have also obtained membership of SEPL for integrated common hazardous waste management facility which is valid up to 24/03/2027 and the same is attached for your ready reference.</p> |
| 9       | PP shall obtain raw water permission for expansion project from competent authority before start expansion production activity.   | <p><b>Noted and compliance assured.</b><br/>Water required for the proposed expansion project is being obtained from River water (Par River). Necessary permission is already obtained.</p>   |
| 10      | PP shall not dig bore well within premises as per details submitted by PP and shall abstract raw water from ground water source, i.e. bore well within premises after obtain permission from CGWA.  | <p><b>Noted and compliance assured.</b><br/>There is no ground water source (bore well or any) within industry premises.</p>  |
| 11      | PP shall strictly adhere and complying agreement made by PP for power and steam requirement for proposed project, form nearby sister concern unit   | <p><b>Noted and compliance assured.</b></p>   |








| Sr. No. | Condition   | Compliance   |
|---------|---|--|
|         | M/s Atul Ltd as per agreement submitted by PP.  |  |
| 12      | Unit shall provide buffer water storage tank of adequate capacity for storage of treated waste water in case of any shut down of MEE.   | <b>Noted and complied.</b>   |
| 13      | The PP shall developed green belt within premises (12855 m <sup>2</sup> i.e. 33% of the total plot area) as per the undertaking submitted before SEAC. Green belt shall be developed with native plant species that are significant and used for the pollution abatement as per the CPCB guidelines. It shall be implemented within 3 years of operation phase in consultation with GPCB. | <b>Noted and compliance assured.</b><br>Green belt development and tree plantation is carried out inside the plant premises to increase the bio-diversity of the area. In future more plantations will be carried out. Photographs and details of existing greenbelt are given herewith for your ready reference.<br> |



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|         |           |  <p>The Compliance column contains four photographs arranged in a 2x2 grid. The top-left photo shows a paved walkway lined with a low wall and various plants, including palm trees, in front of industrial structures. The top-right photo shows a similar landscaped area with a tree and a yellow safety barrier. The bottom-left photo shows a grassy area with several young trees. The bottom-right photo shows a grassy area with a tree and a shadow cast on the ground.</p> |



| Sr. No.                          | Condition  | Compliance   |
|----------------------------------|--|--|
| 14                               | Unit shall obtained all required permissions from the Narcotics Control Bureau for manufacturing, storage and handling of Acetic Anhydride & any such chemicals                                    | <b>Noted and Complied.</b><br>We have obtained required permission from the Narcotics Control Bureau for manufacturing, storage and handling of Acetic Anhydride.  |
| <b>15. Safety &amp; Health :</b> |  |  |
| a)                               | PP shall provide Occupational Health Center (OHC) as per the provisions under the Gujarat Factories Rule 68-U.   | <b>Noted and compliance assured.</b><br>As the M/s. Atul Bio- Science Ltd. is situated in the Atul Complex, a mutual aid agreement with neighboring parent company Atul Ltd is already done who is having well qualified resident doctors, whenever required instantly apart from nearby renowned hospitals. |
| b)                               | PP shall obtain fire safety certificate / Fire No-Objection certificate (NOC) from the concern authority as per the prevailing Rules / Gujarat Fire Prevention and Life Safety Measures Act, 2016. | <b>Noted and Complied.</b>   |
| c)                               | Unit shall adopt functional operations/process automation system including emergency response to eliminate risk associated with the hazardous processes.   | <b>Noted and compliance assured.</b><br>Unit has adopted operational process automation system like DCS, PSVs, safety interlocks, emergency on/off buttons, LEL detectors etc for early detection of emergency and eliminate the risk in line with HAZOP study.  |
| d)                               | PP shall carry out mock drill within the premises as per the prevailing guidelines of safety and display proper evacuation plan in the manufacturing area in case of any emergency or accident.    | <b>Noted and compliance assured.</b><br>Unit regularly conducts mock drills within the premises.<br>Last mock drill was conducted on June 27, 2023.<br>Report of the mock drill is attached herewith for your ready reference.   |




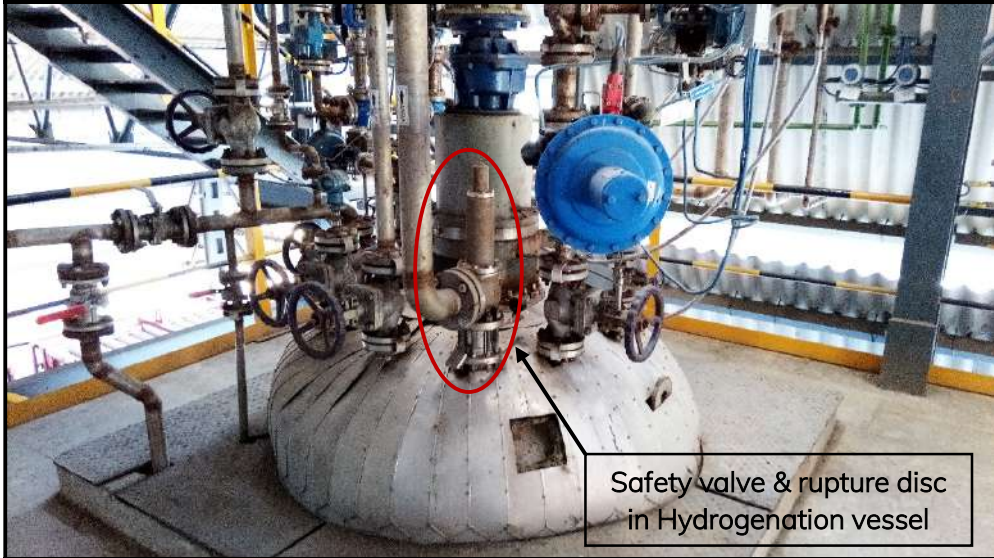
| Sr. No. | Condition  | Compliance  |
|---------|--|---|
|         |  | <p style="text-align: center;">Form No. 01 (M1) 40</p> <p style="text-align: center;"><b>Mock Drill report</b></p> <p>Date: 27/06/2023 Time: 11:56 PM</p> <p><b>BU 1H</b><br/>Location of Incident (M1) : Colaba Station<br/>Type of Incident created for DR: Contaminated - U/S reactor of Fuel Feed</p> <p><b>Communication System</b></p> <p>1. Observed phosgene gas detector activation (M1): Operator Mr. Anil Kishan has observed phosgene gas detector activated at Fuel Feed (M1) and has informed to OCS in charge via phosgene gas detector. The M1 Operator refers to Plant Change (M1).</p> <p>2. Local emergency alarm activation (M1): Plant emergency (M1) alarm has been activated. M1 Operator Mr. Anil Kishan has observed the alarm and has informed to OCS in charge via phosgene gas detector. The M1 Operator refers to Plant Change (M1).</p> <p>3. Information sharing between SAC and Plant Manager (M1): SAC refers to Mr. Anand Desai (M1) Plant Manager (M1) and informs about the incident. SAC refers to Mr. Anand Desai (M1) Plant Manager (M1) and informs about the incident. SAC refers to Mr. Anand Desai (M1) Plant Manager (M1) and informs about the incident.</p> <p>4. Consider emergency system activation (M1): SAC refers to SAC (M1) and informs about the incident. SAC refers to SAC (M1) and informs about the incident. SAC refers to SAC (M1) and informs about the incident.</p> <p><b>Programme being arranged/preparation:</b> SAC instructed to mechanical team to be prepared to receive leak to collect the leakage with appropriate PPEs.</p> <p><b>Mechanical team/ staff alerted to attend leakage:</b> Mechanical team to be alerted to attend leakage with appropriate PPEs.</p> <p><b>Consider emergency system activation (M1):</b> SAC refers to SAC (M1) and informs about the incident. SAC refers to SAC (M1) and informs about the incident. SAC refers to SAC (M1) and informs about the incident.</p> |
| e)      | PP shall obtain PESO permission for the storage and handling of hazardous chemicals. (if applicable) | <p><b>Noted and compliance assured.</b></p> <p>PESO permission is already obtained for the storage and handling of class A and class C hazardous chemicals vide license no. P/HQ/GJ/15/41 (P9652), valid up to December 31, 2028. Copy of the same is attached herewith for your ready reference.</p> <div data-bbox="1507 911 1892 1351" style="border: 1px solid black; padding: 5px;"> </div>  |





| Sr. No. | Condition   | Compliance   |
|---------|---|--|
| f)      | Flame proof electrical fittings shall be provided in the plant premises, wherever applicable.   | <b>Noted and compliance assured.</b><br>Electrical Flame Proof fittings has been provided as per hazardous area classification.  |
| g)      | PP shall install adequate fire hydrant system within premises and separate storage of water for the same shall be ensured by PP.  | <b>Noted and compliance assured.</b><br>Unit has adequately provided fire hydrant system with dedicated fire water reservoir of capacity 600 KL is provided.   |
| h)      | PP shall take all the necessary steps for control of storage hazards within premises ensuring incompatibility storage raw material and ensure the storage keeping safe distance as per the prevailing guideline of the concerned authority. | <b>Noted and compliance assured.</b><br>All materials are stored as per approved compatibility matrix in dedicated warehouse only.   |
| i)      | PP shall, take all the necessary steps for human safety within premises to ensure that no any harm is caused to any worker/employee or labor within premises.   | <b>Noted and Complied</b> through regular safety audits, trainings, mock drills, SOPs, providing appropriate PPE's etc.  |
| j)      | Unit shall provide water sprinkler to the ammonia storage cylinder  | <b>Not applicable</b> as the unit is not using ammonia presently, and hence, storage is not required. Water sprinkler or appropriate control system will be provided for ammonia storage cylinder prior use and storage of the same. |
| k)      | Unit shall provide safety valve and rupture disc, as well as auto dump or autos quench/, suppress system for exothermic reaction vessel safety.   | <b>Noted and compliance assured.</b><br>Photographs of the safety valve and rupture disc provided to the reaction vessels are attached herewith for your ready reference.  |



| Sr. No. | Condition   | Compliance  |
|---------|---|---|
|         |   |   |
| l)      | Unit shall provide safety valve & rupture disc to the Hydrogenation vessel. | <p data-bbox="772 662 1921 760"><b>Noted and compliance assured.</b><br/>Unit has provided safety valve &amp; rupture disc in all Hydrogenation vessel. Photographs of the same is attached herewith for your ready reference.</p>  <p data-bbox="1430 1252 1808 1338">Safety valve &amp; rupture disc<br/>in Hydrogenation vessel</p> |



| Sr. No.          | Condition   | Compliance   |       |                                     |  |                       |                     |            |      |       |          |      |        |           |      |       |           |      |    |             |      |        |                |      |       |         |             |               |
|------------------|---|--|-------|-------------------------------------|--|-----------------------|---------------------|------------|------|-------|----------|------|--------|-----------|------|-------|-----------|------|----|-------------|------|--------|----------------|------|-------|---------|-------------|---------------|
| m)               | Unit shall provide chlorine leakage control emergency kit and FRP hood with scrubber system for chlorine safety.  | <b>Not applicable</b> as unit is not storing and handling chlorine presently. However, we have provided appropriate safety system for its use.   |       |                                     |  |                       |                     |            |      |       |          |      |        |           |      |       |           |      |    |             |      |        |                |      |       |         |             |               |
| n)               | Unit shall provide effective isolation for process area and storage of hazardous chemicals.   | <b>Noted and compliance assured.</b><br>Unit has already provided separate area for process area and warehouse for storage of hazardous chemicals.   |       |                                     |  |                       |                     |            |      |       |          |      |        |           |      |       |           |      |    |             |      |        |                |      |       |         |             |               |
| o)               | Unit shall provide adequate safety system such as water sprinklers, water curtains, foam pouring system etc. To restrict cascade fire emergency in solvent tank farm.   | <b>Noted and compliance assured.</b><br>The unit has already provided underground storage tanks with secondary containment with proper earthing, flame arresters, lightning arresters, fencing, Fire hydrant system, Fire extinguishers, flame proof equipment, etc. safety measures.  |       |                                     |  |                       |                     |            |      |       |          |      |        |           |      |       |           |      |    |             |      |        |                |      |       |         |             |               |
| <b>A.2 WATER</b> |   |  |       |                                     |  |                       |                     |            |      |       |          |      |        |           |      |       |           |      |    |             |      |        |                |      |       |         |             |               |
| 16               | Total water requirement for the project shall not exceed 598 KLD. Unit shall reuse 399.20 KLD treated waste water. Hence fresh water shall not exceed 198.80 KLD. It shall be met through from River water (Par River) and from nearby municipal STPs. Prior permission from the concerned authority shall be obtained for withdrawal of water. | <p><b>Noted and compliance assured.</b><br/>The average total fresh water consumption for the report period is 112.43 m<sup>3</sup>/day only which is well within the limit. Monthly water consumption reports are submitted onto GPCB XGN portal on regular basis. Details given in below table:</p> <table border="1"> <thead> <tr> <th rowspan="2">Month</th> <th colspan="2">Water consumption in m<sup>3</sup></th> </tr> <tr> <th>m<sup>3</sup>/month</th> <th>m<sup>3</sup>/day</th> </tr> </thead> <tbody> <tr> <td>April 2023</td> <td>3858</td> <td>128.6</td> </tr> <tr> <td>May 2023</td> <td>4416</td> <td>142.45</td> </tr> <tr> <td>June 2023</td> <td>2993</td> <td>99.87</td> </tr> <tr> <td>July 2023</td> <td>2473</td> <td>80</td> </tr> <tr> <td>August 2023</td> <td>3593</td> <td>115.90</td> </tr> <tr> <td>September 2023</td> <td>3243</td> <td>108.1</td> </tr> <tr> <td>Average</td> <td><b>3429</b></td> <td><b>112.43</b></td> </tr> </tbody> </table> | Month | Water consumption in m <sup>3</sup> |  | m <sup>3</sup> /month | m <sup>3</sup> /day | April 2023 | 3858 | 128.6 | May 2023 | 4416 | 142.45 | June 2023 | 2993 | 99.87 | July 2023 | 2473 | 80 | August 2023 | 3593 | 115.90 | September 2023 | 3243 | 108.1 | Average | <b>3429</b> | <b>112.43</b> |
| Month            | Water consumption in m <sup>3</sup>   |  |       |                                     |  |                       |                     |            |      |       |          |      |        |           |      |       |           |      |    |             |      |        |                |      |       |         |             |               |
|                  | m <sup>3</sup> /month   | m <sup>3</sup> /day  |       |                                     |  |                       |                     |            |      |       |          |      |        |           |      |       |           |      |    |             |      |        |                |      |       |         |             |               |
| April 2023       | 3858  | 128.6  |       |                                     |  |                       |                     |            |      |       |          |      |        |           |      |       |           |      |    |             |      |        |                |      |       |         |             |               |
| May 2023         | 4416  | 142.45   |       |                                     |  |                       |                     |            |      |       |          |      |        |           |      |       |           |      |    |             |      |        |                |      |       |         |             |               |
| June 2023        | 2993  | 99.87  |       |                                     |  |                       |                     |            |      |       |          |      |        |           |      |       |           |      |    |             |      |        |                |      |       |         |             |               |
| July 2023        | 2473  | 80   |       |                                     |  |                       |                     |            |      |       |          |      |        |           |      |       |           |      |    |             |      |        |                |      |       |         |             |               |
| August 2023      | 3593  | 115.90   |       |                                     |  |                       |                     |            |      |       |          |      |        |           |      |       |           |      |    |             |      |        |                |      |       |         |             |               |
| September 2023   | 3243  | 108.1  |       |                                     |  |                       |                     |            |      |       |          |      |        |           |      |       |           |      |    |             |      |        |                |      |       |         |             |               |
| Average          | <b>3429</b>   | <b>112.43</b>  |       |                                     |  |                       |                     |            |      |       |          |      |        |           |      |       |           |      |    |             |      |        |                |      |       |         |             |               |



| Sr. No.                                    | Condition   | Compliance  |       |   |  |                       |                     |            |      |      |          |      |       |           |      |       |           |      |       |             |      |       |                |      |      |                |             |             |                        |                  |   |  |  |      |      |      |  |       |       |      |      |
|--|---|---|-------|---|--|-----------------------|---------------------|------------|------|------|----------|------|-------|-----------|------|-------|-----------|------|-------|-------------|------|-------|----------------|------|------|----------------|-------------|-------------|------------------------|------------------|---|--|--|------|------|------|--|-------|-------|------|------|
| 17   | The industrial effluent generation from the project shall not exceed 450.50 KLD after expansion.  | <p><b>Noted and compliance assured.</b><br/>The average total industrial effluent generation for the report period is 53.8 m<sup>3</sup>/day only which is well within the limit. Details given in below table:</p> <table border="1" data-bbox="772 521 1724 846"> <thead> <tr> <th rowspan="2">Month</th> <th colspan="2">Wastewater generation in m<sup>3</sup></th> </tr> <tr> <th>m<sup>3</sup>/month</th> <th>m<sup>3</sup>/day</th> </tr> </thead> <tbody> <tr> <td>April 2023</td> <td>2298</td> <td>76.6</td> </tr> <tr> <td>May 2023</td> <td>1564</td> <td>50.45</td> </tr> <tr> <td>June 2023</td> <td>1499</td> <td>49.97</td> </tr> <tr> <td>July 2023</td> <td>1490</td> <td>48.06</td> </tr> <tr> <td>August 2023</td> <td>1800</td> <td>58.06</td> </tr> <tr> <td>September 2023</td> <td>1872</td> <td>62.4</td> </tr> <tr> <td><b>Average</b></td> <td><b>1754</b></td> <td><b>53.8</b></td> </tr> </tbody> </table> <p>The maximum values during the compliance period confirms that at no time the wastewater generation went beyond the stipulated value. Summary is given below:</p> <table border="1" data-bbox="772 971 1919 1149"> <thead> <tr> <th rowspan="2">Waste-water generation</th> <th rowspan="2">Stipulated value</th> <th colspan="3">Values for the period April 2023 – September 2023</th> </tr> <tr> <th>Min.</th> <th>Max.</th> <th>Avg.</th> </tr> </thead> <tbody> <tr> <td>Wastewater generation, m<sup>3</sup>/day</td> <td>450.5</td> <td>48.06</td> <td>76.6</td> <td>53.8</td> </tr> </tbody> </table> | Month | Wastewater generation in m <sup>3</sup> |  | m <sup>3</sup> /month | m <sup>3</sup> /day | April 2023 | 2298 | 76.6 | May 2023 | 1564 | 50.45 | June 2023 | 1499 | 49.97 | July 2023 | 1490 | 48.06 | August 2023 | 1800 | 58.06 | September 2023 | 1872 | 62.4 | <b>Average</b> | <b>1754</b> | <b>53.8</b> | Waste-water generation | Stipulated value | Values for the period April 2023 – September 2023 |  |  | Min. | Max. | Avg. | Wastewater generation, m <sup>3</sup> /day | 450.5 | 48.06 | 76.6 | 53.8 |
| Month                                      | Wastewater generation in m <sup>3</sup>   |   |       |   |  |                       |                     |            |      |      |          |      |       |           |      |       |           |      |       |             |      |       |                |      |      |                |             |             |                        |                  |   |  |  |      |      |      |  |       |       |      |      |
|  | m <sup>3</sup> /month   | m <sup>3</sup> /day   |       |   |  |                       |                     |            |      |      |          |      |       |           |      |       |           |      |       |             |      |       |                |      |      |                |             |             |                        |                  |   |  |  |      |      |      |  |       |       |      |      |
| April 2023                                 | 2298  | 76.6  |       |   |  |                       |                     |            |      |      |          |      |       |           |      |       |           |      |       |             |      |       |                |      |      |                |             |             |                        |                  |   |  |  |      |      |      |  |       |       |      |      |
| May 2023                                   | 1564  | 50.45   |       |   |  |                       |                     |            |      |      |          |      |       |           |      |       |           |      |       |             |      |       |                |      |      |                |             |             |                        |                  |   |  |  |      |      |      |  |       |       |      |      |
| June 2023                                  | 1499  | 49.97   |       |   |  |                       |                     |            |      |      |          |      |       |           |      |       |           |      |       |             |      |       |                |      |      |                |             |             |                        |                  |   |  |  |      |      |      |  |       |       |      |      |
| July 2023                                  | 1490  | 48.06   |       |   |  |                       |                     |            |      |      |          |      |       |           |      |       |           |      |       |             |      |       |                |      |      |                |             |             |                        |                  |   |  |  |      |      |      |  |       |       |      |      |
| August 2023                                | 1800  | 58.06   |       |   |  |                       |                     |            |      |      |          |      |       |           |      |       |           |      |       |             |      |       |                |      |      |                |             |             |                        |                  |   |  |  |      |      |      |  |       |       |      |      |
| September 2023                             | 1872  | 62.4  |       |   |  |                       |                     |            |      |      |          |      |       |           |      |       |           |      |       |             |      |       |                |      |      |                |             |             |                        |                  |   |  |  |      |      |      |  |       |       |      |      |
| <b>Average</b>                             | <b>1754</b>   | <b>53.8</b>   |       |   |  |                       |                     |            |      |      |          |      |       |           |      |       |           |      |       |             |      |       |                |      |      |                |             |             |                        |                  |   |  |  |      |      |      |  |       |       |      |      |
| Waste-water generation                     | Stipulated value  | Values for the period April 2023 – September 2023   |       |   |  |                       |                     |            |      |      |          |      |       |           |      |       |           |      |       |             |      |       |                |      |      |                |             |             |                        |                  |   |  |  |      |      |      |  |       |       |      |      |
|  |   | Min.  | Max.  | Avg.                                    |  |                       |                     |            |      |      |          |      |       |           |      |       |           |      |       |             |      |       |                |      |      |                |             |             |                        |                  |   |  |  |      |      |      |  |       |       |      |      |
| Wastewater generation, m <sup>3</sup> /day | 450.5   | 48.06   | 76.6  | 53.8                                    |  |                       |                     |            |      |      |          |      |       |           |      |       |           |      |       |             |      |       |                |      |      |                |             |             |                        |                  |   |  |  |      |      |      |  |       |       |      |      |
| 18   | Industrial effluent shall be segregated into two streams (1) High COD and TDS effluent (2) Low COD and TDS effluent and it shall be managed as below. |   |       |   |  |                       |                     |            |      |      |          |      |       |           |      |       |           |      |       |             |      |       |                |      |      |                |             |             |                        |                  |   |  |  |      |      |      |  |       |       |      |      |



| Sr. No. | Condition   | Compliance   |
|---------|---|--|
|         | <ul style="list-style-type: none"><li>● <b>High COD and TDS effluent (147 KLD):</b><br/>147 KLD, high COD effluent from process shall be treated in primary ETP followed by solvent stripper and then it shall be evaporated in in-house MEE cum ATFD.137 KLD, MEE condensate shall be further treated in Low COD Stream ETP.</li></ul>   | <p><b>Noted and will be complied</b> after commissioning of ZLD system.</p> <p>At present, all the high COD streams are being diverted to recovery system rather than incineration. Streams containing Solvents, etc. are taken for the recovery of the same and reused. Hence, there is no high COD waste water stream remaining.</p> |
|         | <ul style="list-style-type: none"><li>● <b>Low COD and TDS effluent (303.50 KLD) :</b><br/>&gt; 303.50 KLD, Low COD and TDS effluent from utility along with 137 KLD, MEE condensate shall be treated in ETP consist of primary, secondary and tertiary ETP units. Treated effluent shall be further passed through ultra-filtration/RO plant and 399.20 KLD, RO permeate shall be reused back in process while 44.30 KLD, RO reject shall be evaporated in in-house MEE.</li></ul> | <p><b>Noted and will be complied after commissioning of ZLD system.</b></p> <p>ZLD commissioning is under process. Hence, Effluent is sent to ETP of Atul Ltd for treatment and discharge as per EC F. No. J -11011/84/2009-IA II (I) dated April 9, 2009</p>  |
| 19      | Domestic waste water generation shall not exceed 10 KL/Day for proposed project and it shall be treated in STP. Treated sewage shall be utilized for gardening and plantation purpose   | <p><b>Noted and compliance assured.</b></p> <p>Domestic wastewater generated from existing as well as proposed project is being disposed off through a septic tank/ ETP.</p>   |




| Sr. No. | Condition   | Compliance  |
|---------|---|---|
|         | within premises after achieving on-land discharge norms prescribed by the GPCB.   |   |
| 20      | During monsoon season when treated sewage may not be required for the plantation / Gardening / Green belt purpose, it shall be stored within premises. There shall be no discharge of waste water outside the premises in any case. | <b>Complied.</b><br>Domestic wastewater is being disposed off through a septic tank/ ETP.   |
| 21      | Unit shall feed waste water to in-house MEE only after ensuring content of effluent for COD/VOC so as not to get air borne during evaporation in order to achieve no adverse impacts on Environment and Human Health.               | <b>Noted and will be complied as project is in implementation stage.</b><br>The ZLD system is under commissioning stage. Appropriate measures will be taken to avoid any air borne or VOC emissions.  |
| 22      | The unit shall provide metering facility at the inlet and outlets of ETP, RO,EE and maintain records for the same.  | <b>Noted and compliance assured</b><br>Electromagnetic Flow meters has been provided at all the inlet and outlet streams for ETP (ABL) and UF-RO and log book is maintained regularly for ETP operation. Photographs of the flow meter installed in ETP and UF-RO are attached herewith for your ready reference. |



| Sr. No. | Condition | Compliance  |
|---------|-----------|---|
|         |           | <div data-bbox="848 386 1087 695"></div> <p data-bbox="873 704 1062 737">ETP Inlet (ABL)</p> <div data-bbox="1255 386 1814 704"></div> <p data-bbox="1465 704 1608 737">ETP Outlet</p> <p data-bbox="1213 740 1860 808">(Treated effluent goes to UF-RO during commissioning)</p> <div data-bbox="821 841 1087 1240"></div> <p data-bbox="877 1250 1031 1282">UF-RO Inlet</p> <div data-bbox="1178 841 1451 1240"></div> <p data-bbox="1205 1250 1423 1282">UF-RO Permeate</p> <div data-bbox="1570 841 1843 1240"></div> <p data-bbox="1619 1250 1793 1282">UF-RO Reject</p> |





| Sr. No. | Condition  | Compliance   |
|---------|--|--|
|         |  |  <p data-bbox="1314 829 1373 857">MEE</p>   |
| 23      | <p>Proper logbooks of ETP, chemical consumption in Effluent treatment, quantity &amp; quality of effluent sent to MEE, quantity &amp; quality of effluent recycle back in process, power consumption etc shall be maintained and shall be furnished to the GPCB from time to time.</p> | <p><b>Noted and compliance assured.</b><br/>Proper logbooks are maintained for ETP - ABL (quantity and quality) and chemical consumption on daily basis. Logbook for RO and MEE is maintained.</p> |






| Sr. No.                               | Condition   | Compliance   |                                  |                         |                                       |                                       |                                       |                                       |          |  |  |  |  |  |  |   |                                       |    |    |    |    |    |   |                            |    |     |            |                       |                                       |          |  |  |  |  |  |  |                                       |  |  |  |  |  |  |   |       |                             |            |     |          |     |           |     |           |     |             |     |                |     |
|---------------------------------------|---|--|----------------------------------|-------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|----------|--|--|--|--|--|--|---|---------------------------------------|----|----|----|----|----|---|----------------------------|----|-----|------------|-----------------------|---------------------------------------|----------|--|--|--|--|--|--|---------------------------------------|--|--|--|--|--|--|---|-------|-----------------------------|------------|-----|----------|-----|-----------|-----|-----------|-----|-------------|-----|----------------|-----|
| A.3                                   | <b>AIR :</b>  |  |                                  |                         |                                       |                                       |                                       |                                       |          |  |  |  |  |  |  |   |                                       |    |    |    |    |    |   |                            |    |     |            |                       |                                       |          |  |  |  |  |  |  |                                       |  |  |  |  |  |  |   |       |                             |            |     |          |     |           |     |           |     |             |     |                |     |
| 24                                    | Unit shall not exceed fuel consumption for DG set as mentioned below: <table border="1" data-bbox="254 526 737 695"> <thead> <tr> <th>Sr. no.</th> <th>Source of emission With Capacity</th> <th>Stack Height (meter)</th> <th>Type of Fuel</th> <th>Quantity of Fuel MT/Day</th> <th>Type of emissions i.e. Air Pollutants</th> <th>Air Pollution Control Measures (APCM)</th> </tr> </thead> <tbody> <tr> <td colspan="7">Existing</td> </tr> <tr> <td>1</td> <td>Steam from Co-gen CPP of Atul Limited</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>2</td> <td>DG Set (50 kVA) (Stand by)</td> <td>11</td> <td>HSD</td> <td>12 Lit/Hrs</td> <td>Adequate Stack height</td> <td>PM, SO<sub>2</sub>, NO<sub>x</sub></td> </tr> <tr> <td colspan="7">Proposed</td> </tr> <tr> <td colspan="7">No additional Flue gas stack proposed</td> </tr> </tbody> </table> | Sr. no.  | Source of emission With Capacity | Stack Height (meter)    | Type of Fuel                          | Quantity of Fuel MT/Day               | Type of emissions i.e. Air Pollutants | Air Pollution Control Measures (APCM) | Existing |  |  |  |  |  |  | 1 | Steam from Co-gen CPP of Atul Limited | -- | -- | -- | -- | -- | 2 | DG Set (50 kVA) (Stand by) | 11 | HSD | 12 Lit/Hrs | Adequate Stack height | PM, SO <sub>2</sub> , NO <sub>x</sub> | Proposed |  |  |  |  |  |  | No additional Flue gas stack proposed |  |  |  |  |  |  | <p><b>Noted and compliance assured.</b><br/>           DG sets is being used only as a power backup only.<br/>           Details of HSD consumption in DG sets given in below table:</p> <table border="1" data-bbox="772 558 1331 846"> <thead> <tr> <th>Month</th> <th>HSD consumption Litre/month</th> </tr> </thead> <tbody> <tr> <td>April 2023</td> <td>5.4</td> </tr> <tr> <td>May 2023</td> <td>4.2</td> </tr> <tr> <td>June 2023</td> <td>3.8</td> </tr> <tr> <td>July 2023</td> <td>5.4</td> </tr> <tr> <td>August 2023</td> <td>4.6</td> </tr> <tr> <td>September 2023</td> <td>5.4</td> </tr> </tbody> </table> | Month | HSD consumption Litre/month | April 2023 | 5.4 | May 2023 | 4.2 | June 2023 | 3.8 | July 2023 | 5.4 | August 2023 | 4.6 | September 2023 | 5.4 |
| Sr. no.                               | Source of emission With Capacity  | Stack Height (meter)   | Type of Fuel                     | Quantity of Fuel MT/Day | Type of emissions i.e. Air Pollutants | Air Pollution Control Measures (APCM) |                                       |                                       |          |  |  |  |  |  |  |   |                                       |    |    |    |    |    |   |                            |    |     |            |                       |                                       |          |  |  |  |  |  |  |                                       |  |  |  |  |  |  |   |       |                             |            |     |          |     |           |     |           |     |             |     |                |     |
| Existing                              |   |  |                                  |                         |                                       |                                       |                                       |                                       |          |  |  |  |  |  |  |   |                                       |    |    |    |    |    |   |                            |    |     |            |                       |                                       |          |  |  |  |  |  |  |                                       |  |  |  |  |  |  |   |       |                             |            |     |          |     |           |     |           |     |             |     |                |     |
| 1                                     | Steam from Co-gen CPP of Atul Limited   | --   | --                               | --                      | --                                    | --                                    |                                       |                                       |          |  |  |  |  |  |  |   |                                       |    |    |    |    |    |   |                            |    |     |            |                       |                                       |          |  |  |  |  |  |  |                                       |  |  |  |  |  |  |   |       |                             |            |     |          |     |           |     |           |     |             |     |                |     |
| 2                                     | DG Set (50 kVA) (Stand by)  | 11   | HSD                              | 12 Lit/Hrs              | Adequate Stack height                 | PM, SO <sub>2</sub> , NO <sub>x</sub> |                                       |                                       |          |  |  |  |  |  |  |   |                                       |    |    |    |    |    |   |                            |    |     |            |                       |                                       |          |  |  |  |  |  |  |                                       |  |  |  |  |  |  |   |       |                             |            |     |          |     |           |     |           |     |             |     |                |     |
| Proposed                              |   |  |                                  |                         |                                       |                                       |                                       |                                       |          |  |  |  |  |  |  |   |                                       |    |    |    |    |    |   |                            |    |     |            |                       |                                       |          |  |  |  |  |  |  |                                       |  |  |  |  |  |  |   |       |                             |            |     |          |     |           |     |           |     |             |     |                |     |
| No additional Flue gas stack proposed |   |  |                                  |                         |                                       |                                       |                                       |                                       |          |  |  |  |  |  |  |   |                                       |    |    |    |    |    |   |                            |    |     |            |                       |                                       |          |  |  |  |  |  |  |                                       |  |  |  |  |  |  |   |       |                             |            |     |          |     |           |     |           |     |             |     |                |     |
| Month                                 | HSD consumption Litre/month   |  |                                  |                         |                                       |                                       |                                       |                                       |          |  |  |  |  |  |  |   |                                       |    |    |    |    |    |   |                            |    |     |            |                       |                                       |          |  |  |  |  |  |  |                                       |  |  |  |  |  |  |   |       |                             |            |     |          |     |           |     |           |     |             |     |                |     |
| April 2023                            | 5.4   |  |                                  |                         |                                       |                                       |                                       |                                       |          |  |  |  |  |  |  |   |                                       |    |    |    |    |    |   |                            |    |     |            |                       |                                       |          |  |  |  |  |  |  |                                       |  |  |  |  |  |  |   |       |                             |            |     |          |     |           |     |           |     |             |     |                |     |
| May 2023                              | 4.2   |  |                                  |                         |                                       |                                       |                                       |                                       |          |  |  |  |  |  |  |   |                                       |    |    |    |    |    |   |                            |    |     |            |                       |                                       |          |  |  |  |  |  |  |                                       |  |  |  |  |  |  |   |       |                             |            |     |          |     |           |     |           |     |             |     |                |     |
| June 2023                             | 3.8   |  |                                  |                         |                                       |                                       |                                       |                                       |          |  |  |  |  |  |  |   |                                       |    |    |    |    |    |   |                            |    |     |            |                       |                                       |          |  |  |  |  |  |  |                                       |  |  |  |  |  |  |   |       |                             |            |     |          |     |           |     |           |     |             |     |                |     |
| July 2023                             | 5.4   |  |                                  |                         |                                       |                                       |                                       |                                       |          |  |  |  |  |  |  |   |                                       |    |    |    |    |    |   |                            |    |     |            |                       |                                       |          |  |  |  |  |  |  |                                       |  |  |  |  |  |  |   |       |                             |            |     |          |     |           |     |           |     |             |     |                |     |
| August 2023                           | 4.6   |  |                                  |                         |                                       |                                       |                                       |                                       |          |  |  |  |  |  |  |   |                                       |    |    |    |    |    |   |                            |    |     |            |                       |                                       |          |  |  |  |  |  |  |                                       |  |  |  |  |  |  |   |       |                             |            |     |          |     |           |     |           |     |             |     |                |     |
| September 2023                        | 5.4   |  |                                  |                         |                                       |                                       |                                       |                                       |          |  |  |  |  |  |  |   |                                       |    |    |    |    |    |   |                            |    |     |            |                       |                                       |          |  |  |  |  |  |  |                                       |  |  |  |  |  |  |   |       |                             |            |     |          |     |           |     |           |     |             |     |                |     |
| 25                                    | Unit shall provide adequate APCM with flue gas generation sources as mentioned above.   | <b>Not applicable</b> as steam will be supplied by parent company Atul Ltd. Hence, no flue gas stack is installed in the premises. Adequate stack height is provided for stack attached to DG set. |                                  |                         |                                       |                                       |                                       |                                       |          |  |  |  |  |  |  |   |                                       |    |    |    |    |    |   |                            |    |     |            |                       |                                       |          |  |  |  |  |  |  |                                       |  |  |  |  |  |  |   |       |                             |            |     |          |     |           |     |           |     |             |     |                |     |



| Sr. No.                           | Condition   | Compliance  |   |  |                           |                                       |          |  |  |  |  |   |      |                      |    |                           |                                   |  |  |  |  |   |      |  |    |                           |   |      |  |    |                           |   |      |  |    |                           |   |      |  |    |                           |  |
|-----------------------------------|---|---|---|--|---------------------------|---------------------------------------|----------|--|--|--|--|---|------|----------------------|----|---------------------------|-----------------------------------|--|--|--|--|---|------|--|----|---------------------------|---|------|--|----|---------------------------|---|------|--|----|---------------------------|---|------|--|----|---------------------------|--|
| 26                                | <p>Unit shall provide adequate APCM with Process gas generation sources as mentioned below:</p> <table border="1" data-bbox="254 524 743 678"> <thead> <tr> <th>Sr. no.</th> <th>Specific Source of emission (Name of the Product &amp; Process)</th> <th>Type of emissions (i.e. Air Pollutants (SO<sub>2</sub>, HCl, Cl etc.))</th> <th>Stack/Vent Height (meter)</th> <th>Air Pollution Control Measures (APCM)</th> </tr> </thead> <tbody> <tr> <td colspan="5">Existing</td> </tr> <tr> <td>1</td> <td>MPP1</td> <td>HCl, SO<sub>2</sub></td> <td>12</td> <td>Water &amp; Alkaline Scrubber</td> </tr> <tr> <td colspan="5">Proposed addition after expansion</td> </tr> <tr> <td>2</td> <td>MPP2</td> <td>HCl, SO<sub>2</sub>, NH<sub>3</sub></td> <td>12</td> <td>Water &amp; Alkaline Scrubber</td> </tr> <tr> <td>3</td> <td>MPP3</td> <td>HCl, SO<sub>2</sub>, NH<sub>3</sub></td> <td>12</td> <td>Water &amp; Alkaline Scrubber</td> </tr> <tr> <td>4</td> <td>MPP4</td> <td>HCl, SO<sub>2</sub>, NH<sub>3</sub></td> <td>12</td> <td>Water &amp; Alkaline Scrubber</td> </tr> <tr> <td>5</td> <td>MPP5</td> <td>HCl, SO<sub>2</sub>, NH<sub>3</sub></td> <td>12</td> <td>Water &amp; Alkaline Scrubber</td> </tr> </tbody> </table> | Sr. no.   | Specific Source of emission (Name of the Product & Process) | Type of emissions (i.e. Air Pollutants (SO <sub>2</sub> , HCl, Cl etc.)) | Stack/Vent Height (meter) | Air Pollution Control Measures (APCM) | Existing |  |  |  |  | 1 | MPP1 | HCl, SO <sub>2</sub> | 12 | Water & Alkaline Scrubber | Proposed addition after expansion |  |  |  |  | 2 | MPP2 | HCl, SO <sub>2</sub> , NH <sub>3</sub> | 12 | Water & Alkaline Scrubber | 3 | MPP3 | HCl, SO <sub>2</sub> , NH <sub>3</sub> | 12 | Water & Alkaline Scrubber | 4 | MPP4 | HCl, SO <sub>2</sub> , NH <sub>3</sub> | 12 | Water & Alkaline Scrubber | 5 | MPP5 | HCl, SO <sub>2</sub> , NH <sub>3</sub> | 12 | Water & Alkaline Scrubber | <p><b>Noted and compliance assured.</b><br/>Water and alkaline scrubber are installed as Air Pollution Control Measures (APCM) having stack height of 12 meters. Photograph is attached herewith for your ready reference.</p> <div style="display: flex; justify-content: space-around;">   </div> |
| Sr. no.                           | Specific Source of emission (Name of the Product & Process)   | Type of emissions (i.e. Air Pollutants (SO <sub>2</sub> , HCl, Cl etc.))  | Stack/Vent Height (meter)                                   | Air Pollution Control Measures (APCM)                                    |                           |                                       |          |  |  |  |  |   |      |                      |    |                           |                                   |  |  |  |  |   |      |  |    |                           |   |      |  |    |                           |   |      |  |    |                           |   |      |  |    |                           |  |
| Existing                          |   |   |   |  |                           |                                       |          |  |  |  |  |   |      |                      |    |                           |                                   |  |  |  |  |   |      |  |    |                           |   |      |  |    |                           |   |      |  |    |                           |   |      |  |    |                           |  |
| 1                                 | MPP1  | HCl, SO <sub>2</sub>  | 12  | Water & Alkaline Scrubber  |                           |                                       |          |  |  |  |  |   |      |                      |    |                           |                                   |  |  |  |  |   |      |  |    |                           |   |      |  |    |                           |   |      |  |    |                           |   |      |  |    |                           |  |
| Proposed addition after expansion |   |   |   |  |                           |                                       |          |  |  |  |  |   |      |                      |    |                           |                                   |  |  |  |  |   |      |  |    |                           |   |      |  |    |                           |   |      |  |    |                           |   |      |  |    |                           |  |
| 2                                 | MPP2  | HCl, SO <sub>2</sub> , NH <sub>3</sub>  | 12  | Water & Alkaline Scrubber  |                           |                                       |          |  |  |  |  |   |      |                      |    |                           |                                   |  |  |  |  |   |      |  |    |                           |   |      |  |    |                           |   |      |  |    |                           |   |      |  |    |                           |  |
| 3                                 | MPP3  | HCl, SO <sub>2</sub> , NH <sub>3</sub>  | 12  | Water & Alkaline Scrubber  |                           |                                       |          |  |  |  |  |   |      |                      |    |                           |                                   |  |  |  |  |   |      |  |    |                           |   |      |  |    |                           |   |      |  |    |                           |   |      |  |    |                           |  |
| 4                                 | MPP4  | HCl, SO <sub>2</sub> , NH <sub>3</sub>  | 12  | Water & Alkaline Scrubber  |                           |                                       |          |  |  |  |  |   |      |                      |    |                           |                                   |  |  |  |  |   |      |  |    |                           |   |      |  |    |                           |   |      |  |    |                           |   |      |  |    |                           |  |
| 5                                 | MPP5  | HCl, SO <sub>2</sub> , NH <sub>3</sub>  | 12  | Water & Alkaline Scrubber  |                           |                                       |          |  |  |  |  |   |      |                      |    |                           |                                   |  |  |  |  |   |      |  |    |                           |   |      |  |    |                           |   |      |  |    |                           |   |      |  |    |                           |  |
| 27                                | <p>The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety &amp; Health). Following indicative guidelines shall</p>   | <p><b>Noted and compliance assured.</b><br/>Work Zone Environment Monitoring is carried out and record maintain in Form No. 37.<br/>Summary of results of VOC monitoring is given in below table:</p> |   |  |                           |                                       |          |  |  |  |  |   |      |                      |    |                           |                                   |  |  |  |  |   |      |  |    |                           |   |      |  |    |                           |   |      |  |    |                           |   |      |  |    |                           |  |



| Sr. No.           | Condition   | Compliance  |        |         |         |        |         |  |  |                   |  |                        |  |  |  |  |  |           |                   |          |        |         |         |        |         |          |                        |    |    |    |    |    |    |         |         |     |    |     |     |    |    |
|-------------------|---|---|--------|---------|---------|--------|---------|--|--|-------------------|--|------------------------|--|--|--|--|--|-----------|-------------------|----------|--------|---------|---------|--------|---------|----------|------------------------|----|----|----|----|----|----|---------|---------|-----|----|-----|-----|----|----|
|                   | also be followed to reduce the fugitive emission.   | <table border="1"> <thead> <tr> <th colspan="2" data-bbox="758 386 1136 423">Ground Floor MPP2</th> <th colspan="6" data-bbox="1136 386 1917 423">Results for the period</th> </tr> <tr> <th data-bbox="758 423 957 529">Parameter</th> <th data-bbox="957 423 1136 529">Permissible limit</th> <th data-bbox="1136 423 1262 529">April-23</th> <th data-bbox="1262 423 1388 529">May-23</th> <th data-bbox="1388 423 1514 529">June-23</th> <th data-bbox="1514 423 1640 529">July-23</th> <th data-bbox="1640 423 1766 529">Aug-23</th> <th data-bbox="1766 423 1917 529">Sept-23</th> </tr> </thead> <tbody> <tr> <td data-bbox="758 529 957 570">Chlorine</td> <td data-bbox="957 529 1136 570">3 mg / Nm<sup>3</sup></td> <td data-bbox="1136 529 1262 570">ND</td> <td data-bbox="1262 529 1388 570">ND</td> <td data-bbox="1388 529 1514 570">ND</td> <td data-bbox="1514 529 1640 570">ND</td> <td data-bbox="1640 529 1766 570">ND</td> <td data-bbox="1766 529 1917 570">ND</td> </tr> <tr> <td data-bbox="758 570 957 613">Toluene</td> <td data-bbox="957 570 1136 613">150 ppm</td> <td data-bbox="1136 570 1262 613">115</td> <td data-bbox="1262 570 1388 613">76</td> <td data-bbox="1388 570 1514 613">100</td> <td data-bbox="1514 570 1640 613">110</td> <td data-bbox="1640 570 1766 613">25</td> <td data-bbox="1766 570 1917 613">38</td> </tr> </tbody> </table> |        |         |         |        |         |  |  | Ground Floor MPP2 |  | Results for the period |  |  |  |  |  | Parameter | Permissible limit | April-23 | May-23 | June-23 | July-23 | Aug-23 | Sept-23 | Chlorine | 3 mg / Nm <sup>3</sup> | ND | ND | ND | ND | ND | ND | Toluene | 150 ppm | 115 | 76 | 100 | 110 | 25 | 38 |
| Ground Floor MPP2 |   | Results for the period  |        |         |         |        |         |  |  |                   |  |                        |  |  |  |  |  |           |                   |          |        |         |         |        |         |          |                        |    |    |    |    |    |    |         |         |     |    |     |     |    |    |
| Parameter         | Permissible limit   | April-23  | May-23 | June-23 | July-23 | Aug-23 | Sept-23 |  |  |                   |  |                        |  |  |  |  |  |           |                   |          |        |         |         |        |         |          |                        |    |    |    |    |    |    |         |         |     |    |     |     |    |    |
| Chlorine          | 3 mg / Nm <sup>3</sup>  | ND  | ND     | ND      | ND      | ND     | ND      |  |  |                   |  |                        |  |  |  |  |  |           |                   |          |        |         |         |        |         |          |                        |    |    |    |    |    |    |         |         |     |    |     |     |    |    |
| Toluene           | 150 ppm   | 115   | 76     | 100     | 110     | 25     | 38      |  |  |                   |  |                        |  |  |  |  |  |           |                   |          |        |         |         |        |         |          |                        |    |    |    |    |    |    |         |         |     |    |     |     |    |    |
|                   | <p>➤ Internal roads shall be either concreted or asphalted or paved properly to reduce the fugitive emission during vehicular movement.</p> | <p>All Internal roads are asphalted or paved properly and daily it is cleaned. Entire site is either asphalted or paved area or green area. Photograph is attached herewith for your ready reference.</p>   |        |         |         |        |         |  |  |                   |  |                        |  |  |  |  |  |           |                   |          |        |         |         |        |         |          |                        |    |    |    |    |    |    |         |         |     |    |     |     |    |    |
|                   | <p>➤ Air borne dust shall be controlled with water sprinklers at suitable locations in the plant.</p>                                       | <p>We are doing regular cleaning with dry booming as already low dust zone.</p>   |        |         |         |        |         |  |  |                   |  |                        |  |  |  |  |  |           |                   |          |        |         |         |        |         |          |                        |    |    |    |    |    |    |         |         |     |    |     |     |    |    |



| Sr. No. | Condition  | Compliance  |
|---------|--|---|
|         | ➤ A green belt shall be developed all around the plant boundary and also along the roads to mitigate fugitive & transport dust emission. | We have planted trees along the boundary wall and both side of road. Photographs and details of existing greenbelt are attached in point no. 13 for your ready reference.   |
| 28      | Regular monitoring of Volatile Organic Compounds (VOCs) shall be carried out in the work zone area and ambient air.                      | <b>Noted and compliance assured.</b><br>Work zone environment and ambient air monitoring is carried out monthly by NABL accredited laboratory and records are maintained.<br>Summary of results of VOC monitoring and ambient air monitoring are given in point no. 27 and 31 respectively. |
| 29      | For control of fugitive emission, VOCs, following steps shall be followed:   |   |
| a.      | Closed handling and charging system shall be provided for chemicals  | <b>Noted and compliance assured.</b><br>All reactors are in close loop and connected with condensers having cooling tower water, chilled water or brine water supply for control of fugitive emission.  |
| b.      | Reflux condenser shall be provided over Reactors/Vessels   | <b>Noted and compliance assured.</b><br>Photographs of the reflux condenser provided over reactors/vessels are attached herewith for your ready reference.  |




| Sr. No. | Condition   | Compliance   |
|---------|---|--|
|         |   |    |
| c.      | Pumps shall be provided with mechanical seals to prevent leakages | <p data-bbox="772 768 1917 865"><b>Noted and compliance assured.</b><br/>Reactor and solvent handling pump do have mechanical seals to prevent leakages. Photographs of the same are attached herewith for your ready reference.</p> <div data-bbox="919 901 1192 1307"></div> <p data-bbox="1003 1312 1108 1336">Reactor</p> <div data-bbox="1354 901 1906 1307"></div> <p data-bbox="1476 1312 1770 1336">Solvent handling pump</p> |



| Sr. No. | Condition  | Compliance   |
|---------|--|--|
| d.      | Air borne dust at all transfers operations points shall be controlled either by spraying water or providing enclosures   | <b>Noted and complied.</b><br>We are doing regular cleaning with dry booming as already low dust zone.   |
| 30      | Solvent management shall be carried out as follows:  |  |
|         | Measures shall be taken to reduce the process vapours emissions as far as possible. Use of toxic solvents shall be minimum. All venting equipment shall have vapour recovery system. | <b>Noted and compliance assured.</b><br>Reactions are carried out in closed reactors with primary and secondary condenser to control solvent vapour. Chilled water is used in condenser. As far as practicable we will avoid using toxic solvents or minimizing its use. |
|         | Reactor shall be connected to adequate chilling system to condensate solvent vapours and reduce solvent losses   | <b>Noted and complied.</b><br>Reactors are connected to chilled brine condenser system.  |
|         | Reactor and solvent handling pump shall have mechanical seals to prevent leakages.   | <b>Noted and complied.</b><br>Reactor and solvent handling pump do have mechanical seals to prevent leakages. Photographs of the same are attached in point no. 29 (c) for your ready reference.   |
|         | The condensers shall be provided with sufficient HTA and residence time so as to achieve maximum solvent recovery.   | <b>Noted and complied.</b><br>The condensers are provided with sufficient HTA and residence time to achieve maximum solvent recovery.  |
|         | Solvents shall be stored in a separate space specified with all safety   | <b>Complied.</b><br>The unit has already provided underground storage tanks with secondary containment to  |



| Sr. No. | Condition  | Compliance   |
|---------|--|--|
|         | measures.  | <p>restrict fire emergency in solvent tank farms. Photographs of the same are attached herewith for your ready reference.</p>    |
|         | Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.                                       | <p><b>Noted and compliance assured.</b><br/>Double earthing is provided and regular checking and testing of the same is being done and recorded.</p>   |
|         | Solvent storage and handling area shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses. | <p><b>Noted and compliance assured.</b><br/>Solvents are being stored in PESO approved tank farms complying with all the stipulated conditions including flameproof electrical equipment.<br/>Breather valve is also provided on solvent storage tank.</p> |



| Sr. No.          | Condition   | Compliance  |                  |        |         |         |        |         |  |  |  |         |           |   |  |  |  |  |  |  |             |          |        |         |         |        |         |    |                       |    |      |      |      |      |      |      |    |                        |    |      |      |      |      |      |      |    |   |     |      |      |      |      |      |      |    |   |    |      |      |      |      |      |      |    |                      |    |      |      |      |      |      |      |
|------------------|---|---|------------------|--------|---------|---------|--------|---------|--|--|--|---------|-----------|---|--|--|--|--|--|--|-------------|----------|--------|---------|---------|--------|---------|----|-----------------------|----|------|------|------|------|------|------|----|------------------------|----|------|------|------|------|------|------|----|---|-----|------|------|------|------|------|------|----|---|----|------|------|------|------|------|------|----|----------------------|----|------|------|------|------|------|------|
| 31               | Regular monitoring of level concentration of PM10, PM2.5, SO2, NOX, HC, NH3 and VOC shall be carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by the GPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with the GPCB. | <p><b>Noted and compliance assured.</b></p> <p>We are regularly doing ambient air monitoring through NABL approved agency at 02 locations at a time. We have provided ambient air monitoring stations in line with guidelines of CPCB/GPCB.</p> <p>Summary of ambient monitoring is given in below table:</p> <table border="1"> <thead> <tr> <th colspan="9">Near MPP 1 Plant</th> </tr> <tr> <th rowspan="2">Sr. No.</th> <th rowspan="2">Pollutant</th> <th colspan="7">Concentration in Ambient air in ug/M<sup>3</sup></th> </tr> <tr> <th>GPCB limits</th> <th>April-23</th> <th>May-23</th> <th>June-23</th> <th>July-23</th> <th>Aug-23</th> <th>Sept-23</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Sulphur Dioxide (SO2)</td> <td>80</td> <td>14.3</td> <td>16.2</td> <td>15.8</td> <td>13.6</td> <td>11.5</td> <td>15.8</td> </tr> <tr> <td>2.</td> <td>Nitrogen Dioxide (NO2)</td> <td>80</td> <td>27.4</td> <td>26.4</td> <td>28.2</td> <td>30.2</td> <td>25.2</td> <td>31.6</td> </tr> <tr> <td>3.</td> <td>Particulate Matter (Size less than 10 um) OR PM10</td> <td>100</td> <td>91.4</td> <td>91.8</td> <td>96.2</td> <td>89.6</td> <td>91.4</td> <td>96.3</td> </tr> <tr> <td>4.</td> <td>Particulate Matter (Size less than 2.5 um) OR PM2.5</td> <td>60</td> <td>56.8</td> <td>55.3</td> <td>57.9</td> <td>54.9</td> <td>52.8</td> <td>49.1</td> </tr> <tr> <td>5.</td> <td>Carbon monoxide (CO)</td> <td>02</td> <td>0.58</td> <td>0.48</td> <td>0.40</td> <td>0.32</td> <td>0.24</td> <td>0.80</td> </tr> </tbody> </table> | Near MPP 1 Plant |        |         |         |        |         |  |  |  | Sr. No. | Pollutant | Concentration in Ambient air in ug/M <sup>3</sup> |  |  |  |  |  |  | GPCB limits | April-23 | May-23 | June-23 | July-23 | Aug-23 | Sept-23 | 1. | Sulphur Dioxide (SO2) | 80 | 14.3 | 16.2 | 15.8 | 13.6 | 11.5 | 15.8 | 2. | Nitrogen Dioxide (NO2) | 80 | 27.4 | 26.4 | 28.2 | 30.2 | 25.2 | 31.6 | 3. | Particulate Matter (Size less than 10 um) OR PM10 | 100 | 91.4 | 91.8 | 96.2 | 89.6 | 91.4 | 96.3 | 4. | Particulate Matter (Size less than 2.5 um) OR PM2.5 | 60 | 56.8 | 55.3 | 57.9 | 54.9 | 52.8 | 49.1 | 5. | Carbon monoxide (CO) | 02 | 0.58 | 0.48 | 0.40 | 0.32 | 0.24 | 0.80 |
| Near MPP 1 Plant |   |   |                  |        |         |         |        |         |  |  |  |         |           |   |  |  |  |  |  |  |             |          |        |         |         |        |         |    |                       |    |      |      |      |      |      |      |    |                        |    |      |      |      |      |      |      |    |   |     |      |      |      |      |      |      |    |   |    |      |      |      |      |      |      |    |                      |    |      |      |      |      |      |      |
| Sr. No.          | Pollutant   | Concentration in Ambient air in ug/M <sup>3</sup>   |                  |        |         |         |        |         |  |  |  |         |           |   |  |  |  |  |  |  |             |          |        |         |         |        |         |    |                       |    |      |      |      |      |      |      |    |                        |    |      |      |      |      |      |      |    |   |     |      |      |      |      |      |      |    |   |    |      |      |      |      |      |      |    |                      |    |      |      |      |      |      |      |
|                  |   | GPCB limits   | April-23         | May-23 | June-23 | July-23 | Aug-23 | Sept-23 |  |  |  |         |           |   |  |  |  |  |  |  |             |          |        |         |         |        |         |    |                       |    |      |      |      |      |      |      |    |                        |    |      |      |      |      |      |      |    |   |     |      |      |      |      |      |      |    |   |    |      |      |      |      |      |      |    |                      |    |      |      |      |      |      |      |
| 1.               | Sulphur Dioxide (SO2)   | 80  | 14.3             | 16.2   | 15.8    | 13.6    | 11.5   | 15.8    |  |  |  |         |           |   |  |  |  |  |  |  |             |          |        |         |         |        |         |    |                       |    |      |      |      |      |      |      |    |                        |    |      |      |      |      |      |      |    |   |     |      |      |      |      |      |      |    |   |    |      |      |      |      |      |      |    |                      |    |      |      |      |      |      |      |
| 2.               | Nitrogen Dioxide (NO2)  | 80  | 27.4             | 26.4   | 28.2    | 30.2    | 25.2   | 31.6    |  |  |  |         |           |   |  |  |  |  |  |  |             |          |        |         |         |        |         |    |                       |    |      |      |      |      |      |      |    |                        |    |      |      |      |      |      |      |    |   |     |      |      |      |      |      |      |    |   |    |      |      |      |      |      |      |    |                      |    |      |      |      |      |      |      |
| 3.               | Particulate Matter (Size less than 10 um) OR PM10   | 100   | 91.4             | 91.8   | 96.2    | 89.6    | 91.4   | 96.3    |  |  |  |         |           |   |  |  |  |  |  |  |             |          |        |         |         |        |         |    |                       |    |      |      |      |      |      |      |    |                        |    |      |      |      |      |      |      |    |   |     |      |      |      |      |      |      |    |   |    |      |      |      |      |      |      |    |                      |    |      |      |      |      |      |      |
| 4.               | Particulate Matter (Size less than 2.5 um) OR PM2.5   | 60  | 56.8             | 55.3   | 57.9    | 54.9    | 52.8   | 49.1    |  |  |  |         |           |   |  |  |  |  |  |  |             |          |        |         |         |        |         |    |                       |    |      |      |      |      |      |      |    |                        |    |      |      |      |      |      |      |    |   |     |      |      |      |      |      |      |    |   |    |      |      |      |      |      |      |    |                      |    |      |      |      |      |      |      |
| 5.               | Carbon monoxide (CO)  | 02  | 0.58             | 0.48   | 0.40    | 0.32    | 0.24   | 0.80    |  |  |  |         |           |   |  |  |  |  |  |  |             |          |        |         |         |        |         |    |                       |    |      |      |      |      |      |      |    |                        |    |      |      |      |      |      |      |    |   |     |      |      |      |      |      |      |    |   |    |      |      |      |      |      |      |    |                      |    |      |      |      |      |      |      |





| Sr. No.                           | Condition  | Compliance  |          |        |         |         |        |         |  |
|-----------------------------------|--|---|----------|--------|---------|---------|--------|---------|--|
|                                   |  | Near MPP 2 Plant  |          |        |         |         |        |         |  |
| Sr. No.                           | Pollutant  | Concentration in Ambient air in ug/M <sup>3</sup>   |          |        |         |         |        |         |  |
|                                   |  | GPCB limits   | April-23 | May-23 | June-23 | July-23 | Aug-23 | Sept-23 |  |
| 1.                                | Sulphur Dioxide (SO <sub>2</sub> )   | 80  | 13.1     | 12.4   | 13.2    | 13.1    | 10.8   | 13.7    |  |
| 2.                                | Nitrogen Dioxide (NO <sub>2</sub> )  | 80  | 24.6     | 21.7   | 27.1    | 28.4    | 27.1   | 24.9    |  |
| 3.                                | Particulate Matter (Size less than 10 um) OR PM10                          | 100   | 83.4     | 83.1   | 91.7    | 85.2    | 88.5   | 81.8    |  |
| 4.                                | Particulate Matter (Size less than 2.5 um) OR PM2.5                        | 60  | 53.7     | 50.9   | 53.2    | 50.7    | 49.3   | 44.7    |  |
| 5                                 | Carbon monoxide (CO)   | 02  | 0.64     | 0.52   | 0.54    | 0.54    | 0.30   | 0.45    |  |
| <b>A. 4 SOLID/HAZARDOUS WASTE</b> |  |   |          |        |         |         |        |         |  |
| 32                                | All the hazardous waste management shall be taken care as mentioned below: | <p><b>Noted and complied.</b><br/>           We have already applied for CCA amendment application to GPCB vide Inward ID : 285325 dated July 31,2023 for EC project.<br/>           Unit is taking care of hazardous waste generated in the premises as per valid CCA.</p> |          |        |         |         |        |         |  |



| Sr. No. | Condition  | Compliance  |                                       |  |                                     |                       |  |                  |  |  |                                     |          |          |       |                    |   |           |     |      |      |               |               |   |   |          |     |      |       |               |                |   |   |                              |         |      |                |                 |                 |   |   |                               |         |      |        |              |              |   |   |                |         |      |     |               |               |   |   |                       |         |      |     |             |             |   |   |                |         |      |     |             |             |   |   |               |         |      |     |               |               |   |   |                                       |                                     |      |                 |                  |                  |  |    |                       |     |      |                     |  |  |  |    |                      |     |      |                     |  |  |  |    |                      |                             |     |              |              |              |  |    |                    |          |     |              |               |               |   |    |          |              |     |     |     |     |                      |    |                          |                              |     |     |       |       |   |    |                   |   |     |     |      |      |   |    |                |   |     |     |     |     |   |    |                |                    |     |     |      |      |   |
|---------|--|---|---------------------------------------|--|-------------------------------------|-----------------------|--|------------------|--|--|-------------------------------------|----------|----------|-------|--------------------|---|-----------|-----|------|------|---------------|---------------|---|---|----------|-----|------|-------|---------------|----------------|---|---|------------------------------|---------|------|----------------|-----------------|-----------------|---|---|-------------------------------|---------|------|--------|--------------|--------------|---|---|----------------|---------|------|-----|---------------|---------------|---|---|-----------------------|---------|------|-----|-------------|-------------|---|---|----------------|---------|------|-----|-------------|-------------|---|---|---------------|---------|------|-----|---------------|---------------|---|---|---------------------------------------|-------------------------------------|------|-----------------|------------------|------------------|--|----|-----------------------|-----|------|---------------------|--|--|--|----|----------------------|-----|------|---------------------|--|--|--|----|----------------------|-----------------------------|-----|--------------|--------------|--------------|--|----|--------------------|----------|-----|--------------|---------------|---------------|---|----|----------|--------------|-----|-----|-----|-----|----------------------|----|--------------------------|------------------------------|-----|-----|-------|-------|---|----|-------------------|---|-----|-----|------|------|---|----|----------------|---|-----|-----|-----|-----|---|----|----------------|--------------------|-----|-----|------|------|---|
|         |  | Sr. No.   | Hazardous waste                       | Cat.   | Consented Generation Qty            | Actual Generation Qty | Mode of Disposal   |                  |  |  |                                     |          |          |       |                    |   |           |     |      |      |               |               |   |   |          |     |      |       |               |                |   |   |                              |         |      |                |                 |                 |   |   |                               |         |      |        |              |              |   |   |                |         |      |     |               |               |   |   |                       |         |      |     |             |             |   |   |                |         |      |     |             |             |   |   |               |         |      |     |               |               |   |   |                                       |                                     |      |                 |                  |                  |  |    |                       |     |      |                     |  |  |  |    |                      |     |      |                     |  |  |  |    |                      |                             |     |              |              |              |  |    |                    |          |     |              |               |               |   |    |          |              |     |     |     |     |                      |    |                          |                              |     |     |       |       |   |    |                   |   |     |     |      |      |   |    |                |   |     |     |     |     |   |    |                |                    |     |     |      |      |   |
| 33      | Authorized end-users shall have permissions from the concerned authorities under the Rule 9 of the Hazardous and Other wastes (Management and Trans boundary Movement) Rules 2016 according to valid GPCB consent. | <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Type of Hazardous waste</th> <th>Specific Source of generation (Name of the Activity, Product etc.)</th> <th>Category No. as per HWM rules, 2016</th> <th>Existing</th> <th>Proposed</th> <th>Total</th> <th>Method of Disposal</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ETP Waste</td> <td>ETP</td> <td>35.3</td> <td>0.0*</td> <td>1200 MT/Annum</td> <td>1200 MT/Annum</td> <td>Collection, storage &amp; disposal at TSDF site approved by GPCB.</td> </tr> <tr> <td>2</td> <td>MEE Salt</td> <td>MEE</td> <td>36.3</td> <td>0.0**</td> <td>6783 MT/Annum</td> <td>11508 MT/Annum</td> <td>Collection, storage &amp; disposal at CHWIF or co-processing.</td> </tr> <tr> <td>3</td> <td>Distillation residue-Process</td> <td>Process</td> <td>28.1</td> <td>20.64 MT/Annum</td> <td>492.36 MT/Annum</td> <td>492.36 MT/Annum</td> <td>Collection, storage &amp; disposal at CHWIF or co-processing.</td> </tr> <tr> <td>4</td> <td>Distillation residue-Stripper</td> <td>Process</td> <td>28.1</td> <td>0.0***</td> <td>624 MT/Annum</td> <td>936 MT/Annum</td> <td>Collection, storage &amp; disposal at CHWIF or co-processing.</td> </tr> <tr> <td>5</td> <td>Inorganic salt</td> <td>Process</td> <td>28.1</td> <td>0.0</td> <td>1144 MT/Annum</td> <td>1144 MT/Annum</td> <td>Collection, storage &amp; disposal at TSDF site approved by GPCB.</td> </tr> <tr> <td>6</td> <td>Used Activated carbon</td> <td>Process</td> <td>28.3</td> <td>0.0</td> <td>75 MT/Annum</td> <td>75 MT/Annum</td> <td>Collection, storage &amp; disposal at CHWIF or co-processing.</td> </tr> <tr> <td>7</td> <td>Spent catalyst</td> <td>Process</td> <td>28.2</td> <td>0.0</td> <td>30 MT/Annum</td> <td>30 MT/Annum</td> <td>Collection, storage &amp; return back to supplier for regeneration.</td> </tr> <tr> <td>8</td> <td>Spent solvent</td> <td>Process</td> <td>28.5</td> <td>---</td> <td>8204 MT/Annum</td> <td>8204 MT/Annum</td> <td>Collection, storage, Distillation and reuse in processing to get final use.</td> </tr> <tr> <td>9</td> <td>Discarded containers/ barrels/ Liners</td> <td>Storage &amp; handling of Raw Materials</td> <td>33.1</td> <td>8000 Nos./Annum</td> <td>18000 Nos./Annum</td> <td>24000 Nos./Annum</td> <td>Collection, storage and reuse for packing of products or disposed by selling to approved recycler.</td> </tr> <tr> <td>10</td> <td>Oil Specific Products</td> <td>---</td> <td>28.4</td> <td colspan="3">Whatever generation</td> <td>Collection, storage &amp; disposal at CHWIF.</td> </tr> <tr> <td>11</td> <td>Date expired product</td> <td>---</td> <td>28.5</td> <td colspan="3">Whatever generation</td> <td>Collection, storage &amp; disposal at CHWIF.</td> </tr> <tr> <td>12</td> <td>Used Lubricating Oil</td> <td>D/G S&amp;S &amp; other machineries</td> <td>5.1</td> <td>0.5 KL/Annum</td> <td>0.5 KL/Annum</td> <td>0.5 KL/Annum</td> <td>Collection, storage &amp; use within premises as lubricant for repaired machine.</td> </tr> <tr> <td>13</td> <td>Scrubber Blow Down</td> <td>Scrubber</td> <td>---</td> <td>780 KL/Annum</td> <td>3120 KL/Annum</td> <td>3900 KL/Annum</td> <td>Collection, storage and treated in ETP.</td> </tr> <tr> <td>14</td> <td>Aluminum</td> <td>Process of 4</td> <td>---</td> <td>---</td> <td>402</td> <td>402</td> <td>Collection, storage.</td> </tr> <tr> <td>15</td> <td>Hydroxide Zinc Carbonate</td> <td>MAP, 4 MEP Process of 5 -HMT</td> <td>---</td> <td>---</td> <td>206.6</td> <td>206.6</td> <td>transportation and disposal by selling to actual users under Rule-9 of haz. waste</td> </tr> <tr> <td>16</td> <td>Calcium Phosphate</td> <td>Process of N-Methyl-1,2-(Propane-2YL)-1,3-Thiazole-4-yl Methanamine</td> <td>---</td> <td>---</td> <td>91.2</td> <td>91.2</td> <td>transportation and disposal by selling to actual users under Rule-9 of haz. waste</td> </tr> <tr> <td>17</td> <td>Benzyl Alcohol</td> <td>Process of (2S,3S,5S)-2-Amino-3-Hydroxy-5-(Tert-Butylamino) Carbonyl Amino-5-Diphenyl Hemi Succinic Acid Salt</td> <td>---</td> <td>---</td> <td>458</td> <td>458</td> <td>transportation and disposal by selling to actual users under Rule-9 of haz. waste</td> </tr> <tr> <td>18</td> <td>4-Nitro Phenol</td> <td>Process of 4 -NFTC</td> <td>---</td> <td>---</td> <td>37.5</td> <td>37.5</td> <td>transportation and disposal by selling to actual users under Rule-9 of haz. waste</td> </tr> </tbody> </table> <p>* Existing effluent treated at Central Side ETP with other industrial effluent generated by other units of Atul Complex. Hence ETP sludge not consider in CD&amp;A of Atul Bioscience Limited.</p> <p>** There is no MEE for existing set up and after expansion, total high COD/TDS effluent going to MEE after stripper hence expansion quantity and total quantity of Salt is differ.</p> <p>*** There is no stripper for existing set up and after expansion, total high COD effluent going to stripper hence expansion quantity and total quantity of Residue is differ.</p> |                                       |  |                                     |                       |  | Sr. No.          | Type of Hazardous waste  | Specific Source of generation (Name of the Activity, Product etc.) | Category No. as per HWM rules, 2016 | Existing | Proposed | Total | Method of Disposal | 1 | ETP Waste | ETP | 35.3 | 0.0* | 1200 MT/Annum | 1200 MT/Annum | Collection, storage & disposal at TSDF site approved by GPCB. | 2 | MEE Salt | MEE | 36.3 | 0.0** | 6783 MT/Annum | 11508 MT/Annum | Collection, storage & disposal at CHWIF or co-processing. | 3 | Distillation residue-Process | Process | 28.1 | 20.64 MT/Annum | 492.36 MT/Annum | 492.36 MT/Annum | Collection, storage & disposal at CHWIF or co-processing. | 4 | Distillation residue-Stripper | Process | 28.1 | 0.0*** | 624 MT/Annum | 936 MT/Annum | Collection, storage & disposal at CHWIF or co-processing. | 5 | Inorganic salt | Process | 28.1 | 0.0 | 1144 MT/Annum | 1144 MT/Annum | Collection, storage & disposal at TSDF site approved by GPCB. | 6 | Used Activated carbon | Process | 28.3 | 0.0 | 75 MT/Annum | 75 MT/Annum | Collection, storage & disposal at CHWIF or co-processing. | 7 | Spent catalyst | Process | 28.2 | 0.0 | 30 MT/Annum | 30 MT/Annum | Collection, storage & return back to supplier for regeneration. | 8 | Spent solvent | Process | 28.5 | --- | 8204 MT/Annum | 8204 MT/Annum | Collection, storage, Distillation and reuse in processing to get final use. | 9 | Discarded containers/ barrels/ Liners | Storage & handling of Raw Materials | 33.1 | 8000 Nos./Annum | 18000 Nos./Annum | 24000 Nos./Annum | Collection, storage and reuse for packing of products or disposed by selling to approved recycler. | 10 | Oil Specific Products | --- | 28.4 | Whatever generation |  |  | Collection, storage & disposal at CHWIF. | 11 | Date expired product | --- | 28.5 | Whatever generation |  |  | Collection, storage & disposal at CHWIF. | 12 | Used Lubricating Oil | D/G S&S & other machineries | 5.1 | 0.5 KL/Annum | 0.5 KL/Annum | 0.5 KL/Annum | Collection, storage & use within premises as lubricant for repaired machine. | 13 | Scrubber Blow Down | Scrubber | --- | 780 KL/Annum | 3120 KL/Annum | 3900 KL/Annum | Collection, storage and treated in ETP. | 14 | Aluminum | Process of 4 | --- | --- | 402 | 402 | Collection, storage. | 15 | Hydroxide Zinc Carbonate | MAP, 4 MEP Process of 5 -HMT | --- | --- | 206.6 | 206.6 | transportation and disposal by selling to actual users under Rule-9 of haz. waste | 16 | Calcium Phosphate | Process of N-Methyl-1,2-(Propane-2YL)-1,3-Thiazole-4-yl Methanamine | --- | --- | 91.2 | 91.2 | transportation and disposal by selling to actual users under Rule-9 of haz. waste | 17 | Benzyl Alcohol | Process of (2S,3S,5S)-2-Amino-3-Hydroxy-5-(Tert-Butylamino) Carbonyl Amino-5-Diphenyl Hemi Succinic Acid Salt | --- | --- | 458 | 458 | transportation and disposal by selling to actual users under Rule-9 of haz. waste | 18 | 4-Nitro Phenol | Process of 4 -NFTC | --- | --- | 37.5 | 37.5 | transportation and disposal by selling to actual users under Rule-9 of haz. waste |
|         |  | Sr. No.   | Type of Hazardous waste               | Specific Source of generation (Name of the Activity, Product etc.) | Category No. as per HWM rules, 2016 | Existing              | Proposed   | Total            | Method of Disposal   |  |                                     |          |          |       |                    |   |           |     |      |      |               |               |   |   |          |     |      |       |               |                |   |   |                              |         |      |                |                 |                 |   |   |                               |         |      |        |              |              |   |   |                |         |      |     |               |               |   |   |                       |         |      |     |             |             |   |   |                |         |      |     |             |             |   |   |               |         |      |     |               |               |   |   |                                       |                                     |      |                 |                  |                  |  |    |                       |     |      |                     |  |  |  |    |                      |     |      |                     |  |  |  |    |                      |                             |     |              |              |              |  |    |                    |          |     |              |               |               |   |    |          |              |     |     |     |     |                      |    |                          |                              |     |     |       |       |   |    |                   |   |     |     |      |      |   |    |                |   |     |     |     |     |   |    |                |                    |     |     |      |      |   |
|         |  | 1   | ETP Waste                             | ETP  | 35.3                                | 0.0*                  | 1200 MT/Annum  | 1200 MT/Annum    | Collection, storage & disposal at TSDF site approved by GPCB.                                      |  |                                     |          |          |       |                    |   |           |     |      |      |               |               |   |   |          |     |      |       |               |                |   |   |                              |         |      |                |                 |                 |   |   |                               |         |      |        |              |              |   |   |                |         |      |     |               |               |   |   |                       |         |      |     |             |             |   |   |                |         |      |     |             |             |   |   |               |         |      |     |               |               |   |   |                                       |                                     |      |                 |                  |                  |  |    |                       |     |      |                     |  |  |  |    |                      |     |      |                     |  |  |  |    |                      |                             |     |              |              |              |  |    |                    |          |     |              |               |               |   |    |          |              |     |     |     |     |                      |    |                          |                              |     |     |       |       |   |    |                   |   |     |     |      |      |   |    |                |   |     |     |     |     |   |    |                |                    |     |     |      |      |   |
|         |  | 2   | MEE Salt                              | MEE  | 36.3                                | 0.0**                 | 6783 MT/Annum  | 11508 MT/Annum   | Collection, storage & disposal at CHWIF or co-processing.  |  |                                     |          |          |       |                    |   |           |     |      |      |               |               |   |   |          |     |      |       |               |                |   |   |                              |         |      |                |                 |                 |   |   |                               |         |      |        |              |              |   |   |                |         |      |     |               |               |   |   |                       |         |      |     |             |             |   |   |                |         |      |     |             |             |   |   |               |         |      |     |               |               |   |   |                                       |                                     |      |                 |                  |                  |  |    |                       |     |      |                     |  |  |  |    |                      |     |      |                     |  |  |  |    |                      |                             |     |              |              |              |  |    |                    |          |     |              |               |               |   |    |          |              |     |     |     |     |                      |    |                          |                              |     |     |       |       |   |    |                   |   |     |     |      |      |   |    |                |   |     |     |     |     |   |    |                |                    |     |     |      |      |   |
|         |  | 3   | Distillation residue-Process          | Process  | 28.1                                | 20.64 MT/Annum        | 492.36 MT/Annum  | 492.36 MT/Annum  | Collection, storage & disposal at CHWIF or co-processing.  |  |                                     |          |          |       |                    |   |           |     |      |      |               |               |   |   |          |     |      |       |               |                |   |   |                              |         |      |                |                 |                 |   |   |                               |         |      |        |              |              |   |   |                |         |      |     |               |               |   |   |                       |         |      |     |             |             |   |   |                |         |      |     |             |             |   |   |               |         |      |     |               |               |   |   |                                       |                                     |      |                 |                  |                  |  |    |                       |     |      |                     |  |  |  |    |                      |     |      |                     |  |  |  |    |                      |                             |     |              |              |              |  |    |                    |          |     |              |               |               |   |    |          |              |     |     |     |     |                      |    |                          |                              |     |     |       |       |   |    |                   |   |     |     |      |      |   |    |                |   |     |     |     |     |   |    |                |                    |     |     |      |      |   |
|         |  | 4   | Distillation residue-Stripper         | Process  | 28.1                                | 0.0***                | 624 MT/Annum   | 936 MT/Annum     | Collection, storage & disposal at CHWIF or co-processing.  |  |                                     |          |          |       |                    |   |           |     |      |      |               |               |   |   |          |     |      |       |               |                |   |   |                              |         |      |                |                 |                 |   |   |                               |         |      |        |              |              |   |   |                |         |      |     |               |               |   |   |                       |         |      |     |             |             |   |   |                |         |      |     |             |             |   |   |               |         |      |     |               |               |   |   |                                       |                                     |      |                 |                  |                  |  |    |                       |     |      |                     |  |  |  |    |                      |     |      |                     |  |  |  |    |                      |                             |     |              |              |              |  |    |                    |          |     |              |               |               |   |    |          |              |     |     |     |     |                      |    |                          |                              |     |     |       |       |   |    |                   |   |     |     |      |      |   |    |                |   |     |     |     |     |   |    |                |                    |     |     |      |      |   |
|         |  | 5   | Inorganic salt                        | Process  | 28.1                                | 0.0                   | 1144 MT/Annum  | 1144 MT/Annum    | Collection, storage & disposal at TSDF site approved by GPCB.                                      |  |                                     |          |          |       |                    |   |           |     |      |      |               |               |   |   |          |     |      |       |               |                |   |   |                              |         |      |                |                 |                 |   |   |                               |         |      |        |              |              |   |   |                |         |      |     |               |               |   |   |                       |         |      |     |             |             |   |   |                |         |      |     |             |             |   |   |               |         |      |     |               |               |   |   |                                       |                                     |      |                 |                  |                  |  |    |                       |     |      |                     |  |  |  |    |                      |     |      |                     |  |  |  |    |                      |                             |     |              |              |              |  |    |                    |          |     |              |               |               |   |    |          |              |     |     |     |     |                      |    |                          |                              |     |     |       |       |   |    |                   |   |     |     |      |      |   |    |                |   |     |     |     |     |   |    |                |                    |     |     |      |      |   |
|         |  | 6   | Used Activated carbon                 | Process  | 28.3                                | 0.0                   | 75 MT/Annum  | 75 MT/Annum      | Collection, storage & disposal at CHWIF or co-processing.  |  |                                     |          |          |       |                    |   |           |     |      |      |               |               |   |   |          |     |      |       |               |                |   |   |                              |         |      |                |                 |                 |   |   |                               |         |      |        |              |              |   |   |                |         |      |     |               |               |   |   |                       |         |      |     |             |             |   |   |                |         |      |     |             |             |   |   |               |         |      |     |               |               |   |   |                                       |                                     |      |                 |                  |                  |  |    |                       |     |      |                     |  |  |  |    |                      |     |      |                     |  |  |  |    |                      |                             |     |              |              |              |  |    |                    |          |     |              |               |               |   |    |          |              |     |     |     |     |                      |    |                          |                              |     |     |       |       |   |    |                   |   |     |     |      |      |   |    |                |   |     |     |     |     |   |    |                |                    |     |     |      |      |   |
|         |  | 7   | Spent catalyst                        | Process  | 28.2                                | 0.0                   | 30 MT/Annum  | 30 MT/Annum      | Collection, storage & return back to supplier for regeneration.                                    |  |                                     |          |          |       |                    |   |           |     |      |      |               |               |   |   |          |     |      |       |               |                |   |   |                              |         |      |                |                 |                 |   |   |                               |         |      |        |              |              |   |   |                |         |      |     |               |               |   |   |                       |         |      |     |             |             |   |   |                |         |      |     |             |             |   |   |               |         |      |     |               |               |   |   |                                       |                                     |      |                 |                  |                  |  |    |                       |     |      |                     |  |  |  |    |                      |     |      |                     |  |  |  |    |                      |                             |     |              |              |              |  |    |                    |          |     |              |               |               |   |    |          |              |     |     |     |     |                      |    |                          |                              |     |     |       |       |   |    |                   |   |     |     |      |      |   |    |                |   |     |     |     |     |   |    |                |                    |     |     |      |      |   |
|         |  | 8   | Spent solvent                         | Process  | 28.5                                | ---                   | 8204 MT/Annum  | 8204 MT/Annum    | Collection, storage, Distillation and reuse in processing to get final use.                        |  |                                     |          |          |       |                    |   |           |     |      |      |               |               |   |   |          |     |      |       |               |                |   |   |                              |         |      |                |                 |                 |   |   |                               |         |      |        |              |              |   |   |                |         |      |     |               |               |   |   |                       |         |      |     |             |             |   |   |                |         |      |     |             |             |   |   |               |         |      |     |               |               |   |   |                                       |                                     |      |                 |                  |                  |  |    |                       |     |      |                     |  |  |  |    |                      |     |      |                     |  |  |  |    |                      |                             |     |              |              |              |  |    |                    |          |     |              |               |               |   |    |          |              |     |     |     |     |                      |    |                          |                              |     |     |       |       |   |    |                   |   |     |     |      |      |   |    |                |   |     |     |     |     |   |    |                |                    |     |     |      |      |   |
|         |  | 9   | Discarded containers/ barrels/ Liners | Storage & handling of Raw Materials                                | 33.1                                | 8000 Nos./Annum       | 18000 Nos./Annum   | 24000 Nos./Annum | Collection, storage and reuse for packing of products or disposed by selling to approved recycler. |  |                                     |          |          |       |                    |   |           |     |      |      |               |               |   |   |          |     |      |       |               |                |   |   |                              |         |      |                |                 |                 |   |   |                               |         |      |        |              |              |   |   |                |         |      |     |               |               |   |   |                       |         |      |     |             |             |   |   |                |         |      |     |             |             |   |   |               |         |      |     |               |               |   |   |                                       |                                     |      |                 |                  |                  |  |    |                       |     |      |                     |  |  |  |    |                      |     |      |                     |  |  |  |    |                      |                             |     |              |              |              |  |    |                    |          |     |              |               |               |   |    |          |              |     |     |     |     |                      |    |                          |                              |     |     |       |       |   |    |                   |   |     |     |      |      |   |    |                |   |     |     |     |     |   |    |                |                    |     |     |      |      |   |
|         |  | 10  | Oil Specific Products                 | ---  | 28.4                                | Whatever generation   |  |                  | Collection, storage & disposal at CHWIF.   |  |                                     |          |          |       |                    |   |           |     |      |      |               |               |   |   |          |     |      |       |               |                |   |   |                              |         |      |                |                 |                 |   |   |                               |         |      |        |              |              |   |   |                |         |      |     |               |               |   |   |                       |         |      |     |             |             |   |   |                |         |      |     |             |             |   |   |               |         |      |     |               |               |   |   |                                       |                                     |      |                 |                  |                  |  |    |                       |     |      |                     |  |  |  |    |                      |     |      |                     |  |  |  |    |                      |                             |     |              |              |              |  |    |                    |          |     |              |               |               |   |    |          |              |     |     |     |     |                      |    |                          |                              |     |     |       |       |   |    |                   |   |     |     |      |      |   |    |                |   |     |     |     |     |   |    |                |                    |     |     |      |      |   |
|         |  | 11  | Date expired product                  | ---  | 28.5                                | Whatever generation   |  |                  | Collection, storage & disposal at CHWIF.   |  |                                     |          |          |       |                    |   |           |     |      |      |               |               |   |   |          |     |      |       |               |                |   |   |                              |         |      |                |                 |                 |   |   |                               |         |      |        |              |              |   |   |                |         |      |     |               |               |   |   |                       |         |      |     |             |             |   |   |                |         |      |     |             |             |   |   |               |         |      |     |               |               |   |   |                                       |                                     |      |                 |                  |                  |  |    |                       |     |      |                     |  |  |  |    |                      |     |      |                     |  |  |  |    |                      |                             |     |              |              |              |  |    |                    |          |     |              |               |               |   |    |          |              |     |     |     |     |                      |    |                          |                              |     |     |       |       |   |    |                   |   |     |     |      |      |   |    |                |   |     |     |     |     |   |    |                |                    |     |     |      |      |   |
|         |  | 12  | Used Lubricating Oil                  | D/G S&S & other machineries  | 5.1                                 | 0.5 KL/Annum          | 0.5 KL/Annum   | 0.5 KL/Annum     | Collection, storage & use within premises as lubricant for repaired machine.                       |  |                                     |          |          |       |                    |   |           |     |      |      |               |               |   |   |          |     |      |       |               |                |   |   |                              |         |      |                |                 |                 |   |   |                               |         |      |        |              |              |   |   |                |         |      |     |               |               |   |   |                       |         |      |     |             |             |   |   |                |         |      |     |             |             |   |   |               |         |      |     |               |               |   |   |                                       |                                     |      |                 |                  |                  |  |    |                       |     |      |                     |  |  |  |    |                      |     |      |                     |  |  |  |    |                      |                             |     |              |              |              |  |    |                    |          |     |              |               |               |   |    |          |              |     |     |     |     |                      |    |                          |                              |     |     |       |       |   |    |                   |   |     |     |      |      |   |    |                |   |     |     |     |     |   |    |                |                    |     |     |      |      |   |
| 13      | Scrubber Blow Down   | Scrubber  | ---                                   | 780 KL/Annum   | 3120 KL/Annum                       | 3900 KL/Annum         | Collection, storage and treated in ETP.  |                  |  |  |                                     |          |          |       |                    |   |           |     |      |      |               |               |   |   |          |     |      |       |               |                |   |   |                              |         |      |                |                 |                 |   |   |                               |         |      |        |              |              |   |   |                |         |      |     |               |               |   |   |                       |         |      |     |             |             |   |   |                |         |      |     |             |             |   |   |               |         |      |     |               |               |   |   |                                       |                                     |      |                 |                  |                  |  |    |                       |     |      |                     |  |  |  |    |                      |     |      |                     |  |  |  |    |                      |                             |     |              |              |              |  |    |                    |          |     |              |               |               |   |    |          |              |     |     |     |     |                      |    |                          |                              |     |     |       |       |   |    |                   |   |     |     |      |      |   |    |                |   |     |     |     |     |   |    |                |                    |     |     |      |      |   |
| 14      | Aluminum   | Process of 4  | ---                                   | ---  | 402                                 | 402                   | Collection, storage.   |                  |  |  |                                     |          |          |       |                    |   |           |     |      |      |               |               |   |   |          |     |      |       |               |                |   |   |                              |         |      |                |                 |                 |   |   |                               |         |      |        |              |              |   |   |                |         |      |     |               |               |   |   |                       |         |      |     |             |             |   |   |                |         |      |     |             |             |   |   |               |         |      |     |               |               |   |   |                                       |                                     |      |                 |                  |                  |  |    |                       |     |      |                     |  |  |  |    |                      |     |      |                     |  |  |  |    |                      |                             |     |              |              |              |  |    |                    |          |     |              |               |               |   |    |          |              |     |     |     |     |                      |    |                          |                              |     |     |       |       |   |    |                   |   |     |     |      |      |   |    |                |   |     |     |     |     |   |    |                |                    |     |     |      |      |   |
| 15      | Hydroxide Zinc Carbonate   | MAP, 4 MEP Process of 5 -HMT  | ---                                   | ---  | 206.6                               | 206.6                 | transportation and disposal by selling to actual users under Rule-9 of haz. waste  |                  |  |  |                                     |          |          |       |                    |   |           |     |      |      |               |               |   |   |          |     |      |       |               |                |   |   |                              |         |      |                |                 |                 |   |   |                               |         |      |        |              |              |   |   |                |         |      |     |               |               |   |   |                       |         |      |     |             |             |   |   |                |         |      |     |             |             |   |   |               |         |      |     |               |               |   |   |                                       |                                     |      |                 |                  |                  |  |    |                       |     |      |                     |  |  |  |    |                      |     |      |                     |  |  |  |    |                      |                             |     |              |              |              |  |    |                    |          |     |              |               |               |   |    |          |              |     |     |     |     |                      |    |                          |                              |     |     |       |       |   |    |                   |   |     |     |      |      |   |    |                |   |     |     |     |     |   |    |                |                    |     |     |      |      |   |
| 16      | Calcium Phosphate  | Process of N-Methyl-1,2-(Propane-2YL)-1,3-Thiazole-4-yl Methanamine   | ---                                   | ---  | 91.2                                | 91.2                  | transportation and disposal by selling to actual users under Rule-9 of haz. waste  |                  |  |  |                                     |          |          |       |                    |   |           |     |      |      |               |               |   |   |          |     |      |       |               |                |   |   |                              |         |      |                |                 |                 |   |   |                               |         |      |        |              |              |   |   |                |         |      |     |               |               |   |   |                       |         |      |     |             |             |   |   |                |         |      |     |             |             |   |   |               |         |      |     |               |               |   |   |                                       |                                     |      |                 |                  |                  |  |    |                       |     |      |                     |  |  |  |    |                      |     |      |                     |  |  |  |    |                      |                             |     |              |              |              |  |    |                    |          |     |              |               |               |   |    |          |              |     |     |     |     |                      |    |                          |                              |     |     |       |       |   |    |                   |   |     |     |      |      |   |    |                |   |     |     |     |     |   |    |                |                    |     |     |      |      |   |
| 17      | Benzyl Alcohol   | Process of (2S,3S,5S)-2-Amino-3-Hydroxy-5-(Tert-Butylamino) Carbonyl Amino-5-Diphenyl Hemi Succinic Acid Salt   | ---                                   | ---  | 458                                 | 458                   | transportation and disposal by selling to actual users under Rule-9 of haz. waste  |                  |  |  |                                     |          |          |       |                    |   |           |     |      |      |               |               |   |   |          |     |      |       |               |                |   |   |                              |         |      |                |                 |                 |   |   |                               |         |      |        |              |              |   |   |                |         |      |     |               |               |   |   |                       |         |      |     |             |             |   |   |                |         |      |     |             |             |   |   |               |         |      |     |               |               |   |   |                                       |                                     |      |                 |                  |                  |  |    |                       |     |      |                     |  |  |  |    |                      |     |      |                     |  |  |  |    |                      |                             |     |              |              |              |  |    |                    |          |     |              |               |               |   |    |          |              |     |     |     |     |                      |    |                          |                              |     |     |       |       |   |    |                   |   |     |     |      |      |   |    |                |   |     |     |     |     |   |    |                |                    |     |     |      |      |   |
| 18      | 4-Nitro Phenol   | Process of 4 -NFTC  | ---                                   | ---  | 37.5                                | 37.5                  | transportation and disposal by selling to actual users under Rule-9 of haz. waste  |                  |  |  |                                     |          |          |       |                    |   |           |     |      |      |               |               |   |   |          |     |      |       |               |                |   |   |                              |         |      |                |                 |                 |   |   |                               |         |      |        |              |              |   |   |                |         |      |     |               |               |   |   |                       |         |      |     |             |             |   |   |                |         |      |     |             |             |   |   |               |         |      |     |               |               |   |   |                                       |                                     |      |                 |                  |                  |  |    |                       |     |      |                     |  |  |  |    |                      |     |      |                     |  |  |  |    |                      |                             |     |              |              |              |  |    |                    |          |     |              |               |               |   |    |          |              |     |     |     |     |                      |    |                          |                              |     |     |       |       |   |    |                   |   |     |     |      |      |   |    |                |   |     |     |     |     |   |    |                |                    |     |     |      |      |   |
| 33      |  | Authorized end-users shall have permissions from the concerned authorities under the Rule 9 of the Hazardous and Other wastes (Management and Trans boundary  | <b>Noted and compliance assured.</b>  |  |                                     |                       | Presently, we are not generating any waste that needs to be disposed off under the Rule 9 of the Hazardous and Other wastes (Management and Trans boundary Movement) Rules 2016 according to valid GPCB consent. |                  |  |  |                                     |          |          |       |                    |   |           |     |      |      |               |               |   |   |          |     |      |       |               |                |   |   |                              |         |      |                |                 |                 |   |   |                               |         |      |        |              |              |   |   |                |         |      |     |               |               |   |   |                       |         |      |     |             |             |   |   |                |         |      |     |             |             |   |   |               |         |      |     |               |               |   |   |                                       |                                     |      |                 |                  |                  |  |    |                       |     |      |                     |  |  |  |    |                      |     |      |                     |  |  |  |    |                      |                             |     |              |              |              |  |    |                    |          |     |              |               |               |   |    |          |              |     |     |     |     |                      |    |                          |                              |     |     |       |       |   |    |                   |   |     |     |      |      |   |    |                |   |     |     |     |     |   |    |                |                    |     |     |      |      |   |



| Sr. No.             | Condition   | Compliance   |        |              |              |   |  |          |   |  |          |   |     |          |  |                   |                  |
|---------------------|---|--|--------|--------------|--------------|---|--|----------|---|--|----------|---|-----|----------|--|-------------------|------------------|
|                     | Movement) Rules 2016.   |  |        |              |              |   |  |          |   |  |          |   |     |          |  |                   |                  |
| 34                  | Unit shall explore the possibilities for environment friendly methods like co-processing of hazardous waste for disposal of Incinerable & land fillable wastes before sending to CHWIF & TSDF sites respectively.   | <b>Noted.</b>  |        |              |              |   |  |          |   |  |          |   |     |          |  |                   |                  |
| <b>A. 5 OTHER :</b> |   |  |        |              |              |   |  |          |   |  |          |   |     |          |  |                   |                  |
| 35                  | The project proponent shall allocate the separate fund of Rs. 76.50 Lakhs as committed before SEAC. The entire activities proposed under CER shall be part of the Environment Management Plan (EMP) as per the MoEF& CC's OM no. F. No. 22-65/2017-IA III dated 30.09.2020. This shall be monitored and the monitoring report shall be submitted to the regional office of MoEF&CC as a part of half-yearly compliance report and to the District Collector. The monitoring report shall be posted on the website of the project proponent. | <b>Noted and complied.</b><br>We have proposed a separate budget for CER activity and certain activities has been carried out under CSR as well.<br><b>Details of the budget for 2023-24 is given below:</b> <table border="1"><thead><tr><th>Sr.No.</th><th>Descriptions</th><th>Amount (INR)</th></tr></thead><tbody><tr><td>1</td><td>Atar Anganwadi project<br/>(including civil cost, painting cost, art painting cost, etc.)</td><td>6,32,500</td></tr><tr><td>2</td><td>Chanvai Anganwadi project<br/>(including civil cost, painting cost, etc.)</td><td>2,75,500</td></tr><tr><td>3</td><td>GST</td><td>1,63,440</td></tr><tr><td></td><td><b>Total Cost</b></td><td><b>10,71,440</b></td></tr></tbody></table> | Sr.No. | Descriptions | Amount (INR) | 1 | Atar Anganwadi project<br>(including civil cost, painting cost, art painting cost, etc.) | 6,32,500 | 2 | Chanvai Anganwadi project<br>(including civil cost, painting cost, etc.) | 2,75,500 | 3 | GST | 1,63,440 |  | <b>Total Cost</b> | <b>10,71,440</b> |
| Sr.No.              | Descriptions  | Amount (INR)   |        |              |              |   |  |          |   |  |          |   |     |          |  |                   |                  |
| 1                   | Atar Anganwadi project<br>(including civil cost, painting cost, art painting cost, etc.)  | 6,32,500   |        |              |              |   |  |          |   |  |          |   |     |          |  |                   |                  |
| 2                   | Chanvai Anganwadi project<br>(including civil cost, painting cost, etc.)  | 2,75,500   |        |              |              |   |  |          |   |  |          |   |     |          |  |                   |                  |
| 3                   | GST   | 1,63,440   |        |              |              |   |  |          |   |  |          |   |     |          |  |                   |                  |
|                     | <b>Total Cost</b>   | <b>10,71,440</b>   |        |              |              |   |  |          |   |  |          |   |     |          |  |                   |                  |



| Sr. No.                         | Condition   | Compliance   |
|---------------------------------|---|--|
| 36                              | All the environmental protection measures and safeguards proposed in the Form-1 & PFR submitted by the project proponent and commitments made in their application shall be strictly adhered to in letter and spirit.   | <b>Noted and compliance assured.</b><br>We have taken and will continue to implement all the environmental protection measures and safeguards proposed in the Form-1 and PFR and are strictly adhering to them in true spirit.   |
| <b>B. GENERAL CONDITIONS :</b>  |   |  |
| <b>B1. CONSTRUCTION PHASE :</b> |   |  |
| 37                              | Water demand during construction shall be reduced by use of curing agents, super plasticizers and other best construction practices.  | <b>Noted and compliance assured.</b><br>Use of curing agents and super plasticizers are being practiced during the construction.   |
| 38                              | Project proponent shall ensure that surrounding environment shall not be affected due to construction activity. Construction materials shall be covered during transportation and regular water sprinkling shall be done in vulnerable areas for controlling fugitive emission. | <b>Noted and compliance assured.</b><br>Regular water sprinkling is being done near construction site to controlling fugitive emission of dust.  |
| 39                              | All required sanitary and hygienic measures shall be provided before starting the construction activities and to be maintained throughout the   | <b>Noted and compliance assured.</b><br>Adequate sanitary and hygienic measures has been provided at the site and will be maintained throughout the construction phase as below: <ul style="list-style-type: none"><li>• Clean up of jobsite after major tasks or at least daily;</li><li>• Avoiding the build-up of hazardous, flammable, or combustible materials.</li></ul> |



| Sr. No. | Condition  | Compliance  |
|---------|--|---|
|         | construction phase.  | <ul style="list-style-type: none"><li>• Keeping walkways, stairs, and work areas clear.</li><li>• Separate bathroom facilities are provided for male and female workers on a job site. Washing facilities on the site is provided for workers to wash their hands and avoid cross-contamination before eating, drinking or heading home for the day. Hence, workers can wash away harmful substances and use the washing area to service and decontaminate personal protective equipment (PPE).</li></ul> |
| 40      | First Aid Box shall be made readily available in adequate quantity at all the times.   | <b>Noted and compliance assured.</b><br>First Aid boxes have been provided in adequate quantity.  |
| 41      | The project proponent shall strictly comply with the building and other construction workers (Regulation of employment & conditions of service) Act 1996 and Gujarat rules made there under and their subsequent amendments. Local bye-laws of concern authority shall be letter ans spirit. | <b>Noted and compliance assured.</b><br>We abide to comply by the Building and other Construction Workers (Regulation of Employment & Conditions of Service) Act 1996 and Gujarat rules made there under and their subsequent amendments.   |
| 42      | Ambient noise levels shall conforms to residential standards both during day and night. Incremental pollution load on the ambient air and noise quality shall be closely monitored during construction phase.  | <b>Noted and compliance assured.</b><br>We are regularly doing noise monitoring through NABL approved agency. Summary of noise monitoring is given in below table:  |



| Sr. No. | Condition   | Compliance   |                    |                |        |                         |         |                    |
|---------|---|--|--------------------|----------------|--------|-------------------------|---------|--------------------|
|         |   | Sr. No.  | Date of Monitoring | Test Parameter | Unit   | Sampling location       | Results | Permissible limits |
|         |   | 1  | 11/04/2022         | Nosie          | dB (A) | Utility Near Compressor | 77.9    | 85                 |
|         |   | 2  | 09/05/2022         |                |        |                         | 76.8    |                    |
|         |   | 3  | 02/06/2022         |                |        |                         | 74.7    |                    |
|         |   | 4  | 05/07/2023         |                |        |                         | 73.8    |                    |
|         |   | 5  | 04/08/2023         |                |        |                         | 75.5    |                    |
|         |   | 6  | 12/09/2023         |                |        |                         | 76.3    |                    |
| 43      | Use of Diesel Generator (DG) sets during construction phase shall be strictly equipped with acoustic enclosure and shall conform to the EPA Rules for air and noise emission standards. | <p><b>Noted and compliance assured.</b><br/>           We have not proposed any new DG sets. Existing DG sets are being used in case of power failure only.<br/>           Noise Abatement: Enclosed with acoustic enclosure type DG sets are installed.<br/>           Fuel: Fuel used in DG sets conforms to Environment (Protection) rules prescribed for air and noise emission standards.</p> |                    |                |        |                         |         |                    |
| 44      | Safe disposal of waste water and municipal solid wastes generated during the construction phase shall be ensured.   | <p><b>Noted and compliance assured.</b><br/>           The wastewater generated is being disposed off through a septic tank/ETP and solid waste generated is being properly collected, segregated and disposed on regular frequency.</p>   |                    |                |        |                         |         |                    |
| 45      | All topsoil excavated during construction activity shall be used in horticultural landscape development within the project site.  | <p><b>Noted and compliance assured.</b><br/>           All the top soil excavated during construction work is utilized in horticulture/ landscape development within the premises.</p>   |                    |                |        |                         |         |                    |
| 46      | Excavated earth to be generated during  | <p><b>Noted and compliance assured.</b></p>  |                    |                |        |                         |         |                    |



| Sr. No. | Condition   | Compliance   |
|---------|---|--|
|         | the construction phase shall be utilized within the premises to the maximum extent possible and balance quantity of excavated earth shall be disposed off with the approval of the competent authority after taking the necessary precautions for general safety and health aspects. Disposal of the excavated earth during construction phase shall not create adverse effect on neighbouring communities. | All the top soil excavated during construction work is utilized in horticulture/ landscape development within the premises.  |
| 47      | Project proponent shall ensure use of eco-friendly building materials including fly ash bricks, fly ash paver blocks, Ready Mix Concrete [RMC] and lead free paints in the project.   | <b>Noted and compliance assured.</b><br>Fly Ash bricks is being used along with Ready Mix Concrete [RMC] and fly ash paver blocks for the construction.  |
| 48      | Fly ash shall be used in construction wherever applicable as per provisions of Fly Ash Notification under the E.P. Act, 1986 and its subsequent amendments from time to time.   | <b>Noted.</b><br>We shall explore feasibility for usage of fly ash in construction activities, shall ensure compliance of notification under E.P. Act, 1986 and its subsequent amendments from time to time. |
| 49      | "Wind - breaker of appropriate height i.e. 1/3rd of the building height and maximum up to 10 meters shall be  | <b>Noted and complied.</b><br>Temporary wind shielding had been provided and barricades of adequate height also had  |



| Sr. No. | Condition  | Compliance  |
|---------|--|---|
|         | provided. Individual building within the project site shall also be provided with barricades.  | been provided along the periphery of the project site.  |
| 50      | "No uncovered vehicles carrying construction material and waste shall be permitted."   | <b>Noted and is being ensured</b> that the materials are covered using carpet cloth during transportation to control the fugitive emission. |
| 51      | "No loose soil or sand or construction & demolition waste or any other construction material that cause dust shall be left uncovered. Uniform piling and proper storage of sand to avoid fugitive emissions shall be ensured." | <b>Noted and is being ensured.</b>  |
| 52      | Roads leading to or at construction site must be paved and blacktopped (i.e. - metallic roads).  | <b>Noted and ensured.</b>   |
| 53      | No excavation of soil shall be carried out without adequate dust mitigation measures in place.   | <b>Noted.</b><br>Utmost measures are being adopted to prevent dust at our construction sites before carrying out any excavation activity.   |
| 54      | Dust mitigation measure shall be displayed prominently at the construction site for easy public viewing.   | <b>Noted for compliance.</b>  |





| Sr. No.                     | Condition  | Compliance   |
|-----------------------------|--|--|
| 55                          | Grinding and cutting of building materials in open area shall be prohibited.   | The stated condition is noted and being implemented.   |
| 56                          | Construction material and waste should be stored only within earmarked area and road side storage of construction material and waste shall be prohibited.          | Noted.   |
| 57                          | Construction and demolition waste processing and disposal site shall be identified and required dust mitigation measures be notified at the site. (If applicable). | Noted.   |
| <b>B.2 OPERATION PHASE:</b> |  |  |
| <b>B.2.1 WATER :</b>        |  |  |
| 58                          | The water meter shall be installed and records of daily and monthly water consumption shall be maintained.   | <b>Noted and compliance assured.</b><br>Monthly water consumption reports are submitted onto GPCB XGN portal on regular basis. |
| 59                          | All efforts shall be made to optimize water consumption by exploring Best Available Technology (BAT). The unit shall continuously strive to reduce,                | We have taken a note of the same and will explore the same.  |



| Sr. No.            | Condition   | Compliance  |
|--------------------|---|---|
|                    | recycle and reuse the treated effluent.   |   |
| <b>B.2.2 AIR :</b> |   |   |
| 60                 | In case of use of spray dryer, the unit shall provide the adequate & efficient APCMs with spray dryer so that there should not be any adverse impact on human health & environment. Unit shall carry out third party monitoring of the proposed Spray dryer & it's APCM through the credible institutes and study report for impacts on Environment and Human Health shall be submitted to GPCB every year along with half yearly compliance reports. | It may be please noted that the unit is not having spray dryer as APCM.   |
| 61                 | Acoustic enclosure shall be provided to the DG sets (if applicable) to mitigate the noise pollution and shall conform to the EPA Rules for air and noise emission standards.  | <b>Noted and compliance assured.</b><br>We have not proposed any new DG sets. Existing DG sets are being used in case of power failure only.<br>Noise Abatement: Enclosed with acoustic enclosure type DG sets are installed.<br>Fuel: Fuel used in DG sets conforms to Environment (Protection) rules prescribed for air and noise emission standards. |
| 62                 | Stack/Vents (Whichever is applicable) of adequate height shall be provided as per the prevailing norms for flue gas   | <b>Noted and compliance assured.</b><br>Adequate height of stack provided as per prevailing norms.  |



| Sr. No.                             | Condition   | Compliance   |                         |        |         |         |        |         |  |  |  |         |           |  |  |  |  |  |  |  |             |          |        |         |         |        |         |    |                             |    |     |      |      |      |      |      |    |                         |    |      |      |      |      |      |      |
|-------------------------------------|---|--|-------------------------|--------|---------|---------|--------|---------|--|--|--|---------|-----------|--|--|--|--|--|--|--|-------------|----------|--------|---------|---------|--------|---------|----|-----------------------------|----|-----|------|------|------|------|------|----|-------------------------|----|------|------|------|------|------|------|
|                                     | emission/Process gas emission.  |  |                         |        |         |         |        |         |  |  |  |         |           |  |  |  |  |  |  |  |             |          |        |         |         |        |         |    |                             |    |     |      |      |      |      |      |    |                         |    |      |      |      |      |      |      |
| 63                                  | Flue gas emission & Process gas emission (If any) shall conform to the standards prescribed by the GPCB/ CPCB/ MoEF&CC. At no time, emission level should go beyond the stipulated standards. | <p><b>Noted and compliance assured.</b><br/>           There is no flue gas emission.<br/>           Two Stage Water + Caustic Scrubber are provided to control emissions.<br/>           We are regularly doing process gas emission through MoEF&amp;CC &amp; NABL approved agency.<br/>           Summary of process gas is given in below table:</p> <table border="1"> <thead> <tr> <th colspan="9">Stack attached to MPP 1</th> </tr> <tr> <th rowspan="2">Sr. No.</th> <th rowspan="2">Pollutant</th> <th colspan="7">Results in Milligram per Nm<sup>3</sup></th> </tr> <tr> <th>GPCB limits</th> <th>April-23</th> <th>May-23</th> <th>June-23</th> <th>July-23</th> <th>Aug-23</th> <th>Sept-23</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Chlorine (Cl<sub>2</sub>)</td> <td>09</td> <td>4.9</td> <td>4.40</td> <td>4.80</td> <td>5.10</td> <td>5.10</td> <td>6.20</td> </tr> <tr> <td>2.</td> <td>Hydrochloric acid (HCl)</td> <td>20</td> <td>5.03</td> <td>5.18</td> <td>4.93</td> <td>5.24</td> <td>5.24</td> <td>6.37</td> </tr> </tbody> </table> | Stack attached to MPP 1 |        |         |         |        |         |  |  |  | Sr. No. | Pollutant | Results in Milligram per Nm <sup>3</sup> |  |  |  |  |  |  | GPCB limits | April-23 | May-23 | June-23 | July-23 | Aug-23 | Sept-23 | 1. | Chlorine (Cl <sub>2</sub> ) | 09 | 4.9 | 4.40 | 4.80 | 5.10 | 5.10 | 6.20 | 2. | Hydrochloric acid (HCl) | 20 | 5.03 | 5.18 | 4.93 | 5.24 | 5.24 | 6.37 |
| Stack attached to MPP 1             |   |  |                         |        |         |         |        |         |  |  |  |         |           |  |  |  |  |  |  |  |             |          |        |         |         |        |         |    |                             |    |     |      |      |      |      |      |    |                         |    |      |      |      |      |      |      |
| Sr. No.                             | Pollutant   | Results in Milligram per Nm <sup>3</sup>   |                         |        |         |         |        |         |  |  |  |         |           |  |  |  |  |  |  |  |             |          |        |         |         |        |         |    |                             |    |     |      |      |      |      |      |    |                         |    |      |      |      |      |      |      |
|                                     |   | GPCB limits  | April-23                | May-23 | June-23 | July-23 | Aug-23 | Sept-23 |  |  |  |         |           |  |  |  |  |  |  |  |             |          |        |         |         |        |         |    |                             |    |     |      |      |      |      |      |    |                         |    |      |      |      |      |      |      |
| 1.                                  | Chlorine (Cl <sub>2</sub> )   | 09   | 4.9                     | 4.40   | 4.80    | 5.10    | 5.10   | 6.20    |  |  |  |         |           |  |  |  |  |  |  |  |             |          |        |         |         |        |         |    |                             |    |     |      |      |      |      |      |    |                         |    |      |      |      |      |      |      |
| 2.                                  | Hydrochloric acid (HCl)   | 20   | 5.03                    | 5.18   | 4.93    | 5.24    | 5.24   | 6.37    |  |  |  |         |           |  |  |  |  |  |  |  |             |          |        |         |         |        |         |    |                             |    |     |      |      |      |      |      |    |                         |    |      |      |      |      |      |      |
| 64                                  | All the reactors/vessels used in the manufacturing process shall be closed to reduce the fugitive emission.   | <p><b>Noted and compliance assured.</b><br/>           All reactors are in close loop and connected with condensers having cooling tower water, Chilled water or Brine water supply for control of fugitive emission.</p>  |                         |        |         |         |        |         |  |  |  |         |           |  |  |  |  |  |  |  |             |          |        |         |         |        |         |    |                             |    |     |      |      |      |      |      |    |                         |    |      |      |      |      |      |      |
| <b>B.2.3 HAZARDOUS/SOLID WASTE:</b> |   |  |                         |        |         |         |        |         |  |  |  |         |           |  |  |  |  |  |  |  |             |          |        |         |         |        |         |    |                             |    |     |      |      |      |      |      |    |                         |    |      |      |      |      |      |      |



| Sr. No. | Condition  | Compliance  |
|---------|--|---|
| 65      | The company shall strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous and Other Wastes (Management and Trans boundary Movement) Rules 2016, as may be amended from time to time. Authorization of the GPCB shall be obtained for collection / treatment /storage/ disposal of hazardous wastes. | <b>Noted and compliance assured.</b><br>We have applied for the Consent to operate during report period and approval is awaited.  |
| 66      | Hazardous wastes shall be dried, packed and stored in separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.  | <b>Noted and compliance assured.</b><br>We have provided dedicated facility for treatment/ packing and storage of Hazardous waste as per Hazardous Waste Rules, 2016 as may be amended from time to time. |



ATUL BIOSCIENCE LTD

EC No. SEIAA | GUJ | EC | 5(f) | 965 | 2021

Period: April 2023 to September 2023

| Sr. No. | Condition   | Compliance  |
|---------|---|---|
| 67      | The unit shall obtain necessary permission from the nearby TSDF site and CHWIF. (Whichever is applicable)   | <p><b>Noted and complied.</b></p> <p>Presently, we are using captive facilities of Atul Ltd as per point 5 of EC F. No. J -11011/84/2009-IA II (I) dated April 9, 2009.</p> <p>We have also obtained membership of SEPL for integrated common hazardous waste management facility which is valid up to 24/03/2027 and the same is attached for your ready reference.</p> <div data-bbox="1129 646 1556 1089" data-label="Image"> </div> |
| 68      | Trucks/Tankers used for transportation of hazardous waste shall be in accordance with the provisions under the Motor Vehicle Act, 1988, and rules made there under. | <p><b>Noted and compliance assured.</b></p> <p>We have agreement with authorized vendors which complies with the provisions under the Motor Vehicle Act, 1988, and rules made there under for transportation of Hazardous Waste.</p>  |



| Sr. No.             | Condition   | Compliance  |
|---------------------|---|---|
| 69                  | The design of the Trucks/tankers shall be such that there is no spillage during transportation  | <b>Noted and being ensured.</b>   |
| 70                  | All possible efforts shall be made for Co-Processing of the Hazardous waste prior to disposal into TSDF/CHWIF   | <b>Noted.</b>   |
| 71                  | Management of fly ash (If any) shall be as per the Fly ash Notification 2009 & its amendment time to time and it shall be ensured that there is 100% utilization of fly ash to be generated from the unit.              | It may be please noted that there is no fly ash generation from unit.   |
| <b>B.2.4 SAFETY</b> |   |   |
| 72                  | The occupier/manager shall strictly comply the provisions under the Factories Act 1948 and the Gujarat Factories Rules 1963.  | We are complying with the stated condition and submitting required compliance to DISH.  |
| 73                  | The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules (MSIHC) 1989, as amended time to time and the Public Liability Insurance Act for | <b>Complied.</b><br>Following measures are taken. <ul style="list-style-type: none"><li>• MSDS for all chemicals.</li><li>• Licenses for petroleum product, gas cylinders, poison/toxic chemical.</li><li>• Plan approval from DISH.</li><li>• Factory license from DISH.</li></ul> |




| Sr. No. | Condition   | Compliance  |
|---------|---|---|
|         | handling of hazardous chemicals etc. Necessary approvals from the Chief Controller of Explosives and concerned Govt. Authorities shall be obtained before commissioning of the project. Requisite On-site and Off-site Disaster Management Plans have to be prepared and implemented. | <ul style="list-style-type: none"><li>• A mutual aid agreement with neighboring parent company Atul Ltd to render all emergency services.</li><li>• On site emergency plan and offsite mutual aid. Etc.</li></ul> |
| 74      | Main entry and exit shall be separate and clearly marked in the facility  | <b>Noted.</b><br>Adequate width of road (excluding greenbelt) is provided for ease in transportation. Separate entry and exit is provided.  |
| 75      | Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/ emergency vehicle around the premises.  | <b>Noted and compliance assured.</b><br>A clear margin excluding greenbelt has been provided for free movement of fire tender/ emergency vehicle around the premises.   |
| 76      | Storage of flammable chemicals shall be sufficiently away from the production area.   | <b>Noted and compliance assured.</b><br>Dedicated storage facility of flammable chemicals provided at safer distance from production area as per PESO approval.   |
| 77      | Sufficient number of fire extinguishers shall be provided near the plant and storage area.  | <b>Noted and compliance assured.</b><br>We have provided approx. 100 Nos of fire extinguishers (Foam type, CO <sub>2</sub> type, ABC type) across the site to cover all area.                                     |



| Sr. No. | Condition   | Compliance   |
|---------|---|--|
| 78      | All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic / hazardous chemicals.                                   | <b>Noted and compliance assured.</b><br>All necessary precautionary measures are taken to avoid any kind of accident during storage and handling of toxic/hazardous chemicals. HAZOP and Risk assessment system is in place. Induction/Refresher/specific training system is carried out on regular basis for all employees. |
| 79      | All the toxic/hazardous chemicals shall be stored in optimum quantity and all necessary permissions in this regard shall be obtained before commencing the expansion activities | <b>Noted and compliance assured.</b><br>All the toxic/hazardous chemicals are stored in optimum quantity and all necessary permissions are obtained with regards to the storage and handling of the same.  |
| 80      | The project management shall ensure to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment report.    | <b>Noted and compliance assured.</b><br>HAZOP/HIRA/ Audit is the tool used for carrying out risk assessment and mitigation measures. Safety as well as Environment audit is also being carried out.  |
| 81      | Only flame proof electrical fittings shall be provided in the plant premises.   | <b>Noted and compliance assured.</b><br>Electrical Flame Proof fittings has been provided as per hazard area classification.   |
| 82      | Storage of hazardous chemicals shall be minimized and it shall be in multiple small capacity tanks/ containers instead of one single large capacity tank / containers.          | <b>Noted and compliance assured.</b><br>We have already identified the toxic chemicals and following proper handling and control procedure during handling of the same. We are using required chemicals in very optimum quantity.  |





| Sr. No. | Condition   | Compliance  |
|---------|---|---|
| 83      | All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Bund/dyke walls shall be provided for storage tanks for Hazardous Chemicals. | <p data-bbox="772 391 1171 418"><b>Noted and compliance assured.</b></p> <p data-bbox="772 423 1921 488">A dyke is provided to contained spill to all the existing storage tanks. Mechanical seals are installed on existing pumps, mixers, and reactors.</p>                            |
| 84      | Handling and charging of the chemicals shall be done in closed manner by pumping or by vacuum transfer so that minimal human exposure occurs                        | <p data-bbox="772 1138 1171 1166"><b>Noted and compliance assured.</b></p> <p data-bbox="772 1170 1921 1268">Filling is done on weighing balance manually but in controlled manner to minimize spillage. All reactors are in close loop and connected with condensers having cooling tower water, Chilled water or brine water supply for control of fugitive emission.</p> |



| Sr. No. | Condition   | Compliance   |
|---------|---|--|
| 85      | Tie up shall be done with nearby health care unit/ doctor for seeking immediate medical attention in the case of emergency.   | <b>Noted and compliance assured.</b><br>As the M/s. Atul Bio- Science Ltd. is situated in the Atul Complex, a mutual aid agreement with neighboring parent company Atul Ltd is already done who is having well qualified resident doctors, whenever required instantly apart from nearby renowned hospitals.   |
| 86      | Personal Protective Equipment (PPEs) shall be provided to workers and its usage shall be ensured and supervised.  | <b>Noted and compliance assured.</b><br>We are providing necessary PPE's, respiratory systems to all the employees of the company. We have prepared the SOP for the use of PPE's and training for the same is being given to all the employee regularly.   |
| 87      | First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.   | <b>Noted and compliance assured.</b><br>First aid box and required antidotes for the chemicals used in the unit area are available in adequate quantity.   |
| 88      | Training shall be imparted to all the workers on safety and health aspects of chemicals handling.   | <b>Noted and compliance assured.</b><br>Regular training is being provided on handling of chemicals to all workers. Induction / Refresher / specific topic related training is being regularly conducted on various topics.<br><br>Last six month topics covered i.e.: <ul style="list-style-type: none"><li>➤ Emergency siren testing</li><li>➤ Work place safety</li><li>➤ SCBA donning procedure</li><li>➤ Process safety</li></ul> |
| 89      | Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken as | <b>Noted and compliance assured.</b><br>Pre-employment & periodic medical examinations as per statutory requirement are regularly conducted & records of the same are maintained in Form No. 32 & 33 as per Gujarat Factory Rules, 1962 respectively.  |



| Sr. No.             | Condition  | Compliance   |         |                         |                |                    |                   |         |                    |   |            |       |        |                         |      |    |   |            |      |
|---------------------|--|--|---------|-------------------------|----------------|--------------------|-------------------|---------|--------------------|---|------------|-------|--------|-------------------------|------|----|---|------------|------|
|                     | per the Factories Act & Rules.   |  |         |                         |                |                    |                   |         |                    |   |            |       |        |                         |      |    |   |            |      |
| 90                  | Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.  | <b>Noted and compliance assured.</b>   |         |                         |                |                    |                   |         |                    |   |            |       |        |                         |      |    |   |            |      |
| 91                  | The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.  | <b>Noted and compliance assured.</b><br>Risk assessment & mitigation is a part of plant design.  |         |                         |                |                    |                   |         |                    |   |            |       |        |                         |      |    |   |            |      |
| 92                  | Necessary permissions from various statutory authorities like PESO, Factory Inspectorate and others shall be obtained prior to commissioning of the project.   | <b>Noted and compliance assured.</b><br>We have obtained necessary permission from various statutory authorities as applicable.  |         |                         |                |                    |                   |         |                    |   |            |       |        |                         |      |    |   |            |      |
| <b>B.2.5 NOISE:</b> |  |  |         |                         |                |                    |                   |         |                    |   |            |       |        |                         |      |    |   |            |      |
| 93                  | The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise | <p><b>Noted and compliance assured.</b><br/>We are regularly doing noise monitoring through NABL approved agency. Summary of noise monitoring is given in below table:</p> <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Date of Monitoring</th> <th>Test Parameter</th> <th>Unit</th> <th>Sampling location</th> <th>Results</th> <th>Permissible limits</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>11/10/2022</td> <td rowspan="2">Nosie</td> <td rowspan="2">dB (A)</td> <td rowspan="2">Utility Near Compressor</td> <td>77.2</td> <td rowspan="2">85</td> </tr> <tr> <td>2</td> <td>16/11/2022</td> <td>76.5</td> </tr> </tbody> </table> | Sr. No. | Date of Monitoring      | Test Parameter | Unit               | Sampling location | Results | Permissible limits | 1 | 11/10/2022 | Nosie | dB (A) | Utility Near Compressor | 77.2 | 85 | 2 | 16/11/2022 | 76.5 |
| Sr. No.             | Date of Monitoring   | Test Parameter   | Unit    | Sampling location       | Results        | Permissible limits |                   |         |                    |   |            |       |        |                         |      |    |   |            |      |
| 1                   | 11/10/2022   | Nosie  | dB (A)  | Utility Near Compressor | 77.2           | 85                 |                   |         |                    |   |            |       |        |                         |      |    |   |            |      |
| 2                   | 16/11/2022   |  |         |                         | 76.5           |                    |                   |         |                    |   |            |       |        |                         |      |    |   |            |      |



| Sr. No.   | Condition  | Compliance  |            |  |  |  |      |  |  |  |
|---|--|---|------------|--|--|--|------|--|--|--|
|   | level shall confirm to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.  | 3   | 09/12/2022 |  |  |  | 77.8 |  |  |  |
|   |  | 4   | 10/01/2023 |  |  |  | 78.4 |  |  |  |
|   |  | 5   | 08/02/2023 |  |  |  | 79.3 |  |  |  |
|   |  | 6   | 09/03/2023 |  |  |  | 78.4 |  |  |  |
| <b>B.2.6 CLEANER PRODUCTION AND WASTE MINIMISATION:</b> |  |   |            |  |  |  |      |  |  |  |
| 94  | The unit shall undertake the Cleaner Production Assessment study through a reputed institute / organization and shall form a CP team in the company. The recommendations thereof along with the compliance shall be furnished to the GPCB. | <p><b>Noted and compliance assured.</b><br/>           We have state of art R&amp;D centre with latest research facility. A qualified team is continuously working on such concept. Drug is developed with such basic philosophy as below:</p> <ul style="list-style-type: none"> <li>• Optimisation of use of water in place of solvent in manufacturing activity.</li> <li>• Replacement of hazardous raw material with less hazardous raw material.</li> <li>• Avoid use of toxic material.</li> <li>• Optimisation of exothermic reaction. Control on material mass balance with maximum reaction conversion. This will improve yield.</li> </ul>   |            |  |  |  |      |  |  |  |
| 95  | The company shall undertake various waste minimization measures such as:   | <p><b>Noted and compliance assured.</b></p> <ul style="list-style-type: none"> <li>• All the liquid ingredients are being charged through measure vessels and/or flow meters to control on quantity as per the stoichiometry. All the solid ingredients are charged after proper weighment only. All these meters and weighing machines are calibrated and records are maintained.</li> <li>• Recovered solvents are being used as raw material in further steps.</li> <li>• Filling is done on weighing balance manually but in controlled manner to minimize spillage.</li> <li>• All reactors are in close loop and connected with condensers having cooling tower water, Chilled water or Brine water supply for control of fugitive emission.</li> </ul> |            |  |  |  |      |  |  |  |
| a.  | Metering and control of quantities of active ingredients to minimize waste.  |   |            |  |  |  |      |  |  |  |
| b.  | Reuse of by-products from the process as raw materials or as raw materials substitutes.  |   |            |  |  |  |      |  |  |  |
| c.  | Use of automated and close filling to minimize spillages   |   |            |  |  |  |      |  |  |  |



| Sr. No.  | Condition   | Compliance  |
|--|---|---|
| d.   | Use of close feed system into batch reactors.   | <ul style="list-style-type: none"><li>All the reactors are equipped with vents/stacks, which are connected to either vapor recovery system consisting of condensers, ejector/vacuum pumps and/or scrubbers.</li><li>Many equipment like reactors, spray dryers, condenser wherever necessary are being cleaned with high pressure sparger / jet to reduce waste water generation.</li><li>Preventive Maintenance of Equipment's is being carried out as per Standard Operating Procedure.</li></ul> |
| e.   | Venting equipment through vapour recovery system.   |   |
| f.   | Use of high pressure hoses for cleaning to reduce wastewater generation.  |   |
| g.   | Recycling of washes to subsequent batches.  |   |
| h.   | Recycling of steam condensate.  |   |
| i.   | Sweeping/mopping of floor instead of floor washing to avoid effluent generation.  |   |
| j.   | Regular preventive maintenance for avoiding leakage, spillage etc.  |   |
| <b>B.2.7 GREEN BELT AND OTHER PLANTATION :</b> |   |   |
| 96   | The unit shall develop green belt within premises as per the CPCB guidelines. However, if the adequate land is not available within the premises, the unit shall take up adequate plantation on road sides and suitable open areas in GIDC estate or any other open areas in consultation with the GIDC/ GPCB and submit an action plan of plantation for | <p><b>Noted and compliance assured.</b></p> <p>Green belt development and tree plantation is carried out inside the plant premises to increase the bio-diversity of the area. In future more plantations will be carried out.</p> <p>Photographs of existing greenbelt are attached in point no. 13.</p>  |



| Sr. No.                      | Condition  | Compliance  |
|------------------------------|--|---|
|                              | next three years to the GPCB.  |   |
| 97                           | Drip Irrigation / low-volume, low-angle sprinkler system shall be used for the green belt development within the premises.   | <b>Noted and compliance assured.</b><br>We are using low-volume, low-angle sprinkler system for the green belt development within the premises. |
| <b>B.3 OTHER CONDITION :</b> |  |   |
| 98                           | Unit shall comply all the applicable standard conditions prescribed in Office Memorandum (OM) published by MoEF&CC vide no. F. No. 22-34/2018-IA III dated 09/08/2018 for Pharmaceutical and Chemical industries mentioned at (Sr. no XX). | <b>Noted and compliance assured.</b>  |
| 99                           | The provisions of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016, the Construction and Demolition Waste Management Rules, 2016 and the Plastics Waste Management Rules, 2016 shall be followed.                  | <b>Noted and being ensured.</b>   |
| 100                          | Rain water harvesting (Off-site) shall be undertaken to conserve fresh water as well as to recharge ground water.  | <b>Not applicable.</b><br>Unit is not consuming ground water.   |



| Sr. No. | Condition  | Compliance  |
|---------|--|---|
|         | Before recharging the surface run off, pre-treatment must be done to remove suspended matter. (Applicable for units consuming ground water 250 KLD in line with the prevailing guidelines of SPCB).  |   |
| 101     | The unit shall join and participate financially and technically for any common environmental facility / infrastructure as and when the same is taken up either by the Industrial Association or GIDC or GPCB or any such authority created for this purpose by the Govt. / GIDC. | <b>Noted.</b>   |
| 102     | Application of solar energy shall be incorporated for illumination of common areas, lighting for gardens and street lighting in addition the provision for solar water heating system shall also be provided.  | <b>Noted and will be complied.</b>  |
| 103     | The area earmarked as green area shall be used only for plantation and shall not be altered for any other  | <b>Noted and compliance assured.</b><br>Dedicated green belt area is embarked for plantation. |



| Sr. No. | Condition   | Compliance   |
|---------|---|--|
|         | purpose.  |  |
| 104     | All the commitments / undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management shall be strictly adhered to.  | <b>Noted.</b><br>All the recommendations / commitments made during the appraisal of the project will be implemented for EC project.  |
| 105     | The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose for the environmental protection and management.  | <b>Noted.</b><br>Unit assures to comply with any additional conditions that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of environmental protection and management. |
| 106     | In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved. | <b>Noted.</b><br>Unit has provided the system to close down the operation in the event of failure of any pollution control equipment.  |
| 107     | The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory   | <b>Noted and being ensured.</b><br>We have been following all the conditions given by GPCB.<br>The GPCB's Schedule 1 environment auditor also verifies compliance with specified conditions on a regular basis.  |





| Sr. No. | Condition   | Compliance  |
|---------|---|---|
|         | authority.  |   |
| 108     | During material transfer there shall be no spillages and garland drain shall be constructed to avoid mixing of accidental spillages with domestic waste water or storm water.             | <b>Noted and compliance assured.</b><br>Liquid material transfer is done in closed system (pipelines) or closed containers/ barrels. There are separate drain constructed for domestic waste water/storm water and waste water to avoid mixing of accidental spillages with domestic wastewater or storm water. |
| 109     | Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.                                 | <b>Noted and compliance assured.</b><br>Pucca flooring/ impervious layer is provided in the work areas, chemical storage areas and chemical handling areas to prohibit soil contamination.  |
| 110     | Leakages from pipes, pumps shall be minimal and if occurs, shall be arrested promptly.  | <b>Noted and compliance assured.</b><br>Unit is using only mechanical seal pumps in order to avoid the leakages.  |
| 111     | No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority. | <b>Noted.</b><br>No further expansion or modifications will be carried out in the plant without obtaining prior Environment clearance from the concerned authority.   |
| 112     | The above conditions will be enforced, inter-alla under the provisions of the Water (Prevention & Control of Pollution Act, 1974, Air (Prevention &                                       | <b>Noted and compliance assured.</b><br>We have applied for CTO amendment for the EC project and approval is awaited. However, we are having valid CCA, CCA No. AWH 127625 and PLI policy vide UIN number - IRDAN190P0076100001, valid up to 31/03/2024 11:59:59 PM under the                                   |



| Sr. No. | Condition   | Compliance  |
|---------|---|---|
|         | Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.           | provision of the Public Liability Insurance Act, 1991 along with their amendments and rules.  |
| 113     | The project proponent shall comply all the conditions mentioned in The Companies (Corporate Social Responsibility Policy) Rules, 2014 and its amendments from time to time in a letter and spirit.  | <b>Agreed and Noted.</b>  |
| 114     | The project management shall ensure that unit complies with all the environment protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report as well as proposed by project proponent. | <b>Noted and compliance assured.</b><br>Unit complies with all the environment protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report. |
| 115     | The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the   | <b>Noted and compliance assured.</b><br>Adequate funds are allocated for compliance of all conditions and OPEX are also provided to sustain compliance level on continuous basis.                           |



| Sr. No.                     | Condition  | Compliance   |        |            |                     |                             |                    |       |                |      |              |      |               |      |  |              |              |
|-----------------------------|--|--|--------|------------|---------------------|-----------------------------|--------------------|-------|----------------|------|--------------|------|---------------|------|--|--------------|--------------|
|                             | implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.   | <p>A separate budget is being allocated every year to comply with all the legal requirement stipulated by SPCB, CPCB and MoEF&amp;CC apart from upkeep of pollution control systems and facilities. Total expenditure for the report period is given in below table:</p> <table border="1"><thead><tr><th>Period</th><th>Particular</th><th>Expenses Rs.in lakh</th></tr></thead><tbody><tr><td rowspan="4">April 2023 – September 2023</td><td>Effluent treatment</td><td>51.79</td></tr><tr><td>EMS Monitoring</td><td>0.37</td></tr><tr><td>Horticulture</td><td>1.39</td></tr><tr><td>Miscellaneous</td><td>0.46</td></tr><tr><td></td><td><b>Total</b></td><td><b>54.01</b></td></tr></tbody></table> | Period | Particular | Expenses Rs.in lakh | April 2023 – September 2023 | Effluent treatment | 51.79 | EMS Monitoring | 0.37 | Horticulture | 1.39 | Miscellaneous | 0.46 |  | <b>Total</b> | <b>54.01</b> |
| Period                      | Particular   | Expenses Rs.in lakh  |        |            |                     |                             |                    |       |                |      |              |      |               |      |  |              |              |
| April 2023 – September 2023 | Effluent treatment   | 51.79  |        |            |                     |                             |                    |       |                |      |              |      |               |      |  |              |              |
|                             | EMS Monitoring   | 0.37   |        |            |                     |                             |                    |       |                |      |              |      |               |      |  |              |              |
|                             | Horticulture   | 1.39   |        |            |                     |                             |                    |       |                |      |              |      |               |      |  |              |              |
|                             | Miscellaneous  | 0.46   |        |            |                     |                             |                    |       |                |      |              |      |               |      |  |              |              |
|                             | <b>Total</b>   | <b>54.01</b>   |        |            |                     |                             |                    |       |                |      |              |      |               |      |  |              |              |
| 116                         | The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/ SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry. | <p><b>Noted and compliance assured</b></p> <p>Unit has informed public by publishing advertisement about the grant of EC in following two leading newspapers.</p> <p>Copy of the same was submitted to local Government authorities [i.e. Atul gram panchayat, DIC (Valsad), and Jilla parishad (Valsad)] on July 5, 2021, and to regional office of MoEF&amp;CC on July 27, 2021.</p>   |        |            |                     |                             |                    |       |                |      |              |      |               |      |  |              |              |



| Sr. No. | Condition  | Compliance  |
|---------|--|---|
|         |  | <div style="display: flex; justify-content: space-around;"> <div data-bbox="869 386 1215 878"> <p>Local   vernacular language :<br/>"Sandesh" dated July 06, 2021</p> </div> <div data-bbox="1356 386 1887 878"> <p>English language :<br/>"Times of India" dated July 06, 2021</p> </div> </div> |
| 117     | It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in soft copies to the regulatory authority concerned, on 1 <sup>st</sup> June and 1 <sup>st</sup> December of each calendar year. | <p><b>Noted and Complied.</b></p> <p>We regularly submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions through E-mail to the concerned regulatory authority.</p>  |
| 118     | Concealing factual data or submission of false/fabricated data and failure to  | <p><b>Agreed and Noted.</b></p>   |



| Sr. No. | Condition   | Compliance   |
|---------|---|--|
|         | comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.   |  |
| 119     | The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.  | <b>Noted.</b><br>We are complying with all the stipulations made by the Gujarat Pollution Control Board. |
| 120     | The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.  | <b>Noted and Agreed.</b>   |
| 121     | The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary.   | <b>Noted and compliance assured</b><br>Company is implementing these conditions in a time bound manner.  |
| 122     | The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project. | <b>Noted and compliance assured</b>  |



| Sr. No. | Condition   | Compliance               |
|---------|---|--------------------------|
| 123     | This environmental clearance is valid for seven years from the date of issue.   | <b>Noted and Agreed.</b> |
| 124     | Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010. | <b>Noted and Agreed.</b> |
| 125     | Submission of any false or misleading information or data which is material to screening or scoping or appraisal or decision on the application makes this environment clearance cancelled.                   | <b>Noted and Agreed.</b> |



| No.                                     | Condition  | Compliance  |                                      |            |             |                |           |             |                |                       |      |      |      |      |      |      |                     |      |       |       |       |       |      |                       |                  |   |  |  |      |      |      |   |       |       |      |      |
|---|--|---|--------------------------------------|------------|-------------|----------------|-----------|-------------|----------------|-----------------------|------|------|------|------|------|------|---------------------|------|-------|-------|-------|-------|------|-----------------------|------------------|---|--|--|------|------|------|---|-------|-------|------|------|
| <b>A. Specific Condition</b>            |  |   |                                      |            |             |                |           |             |                |                       |      |      |      |      |      |      |                     |      |       |       |       |       |      |                       |                  |   |  |  |      |      |      |   |       |       |      |      |
| i                                       | The industrial effluent generation shall not exceed 326.8 m <sup>3</sup> /d. (Total process effluent generation after expansion will be 588.6 m <sup>3</sup> /d- ref. point 4 of EC) | <p><b>Complied.</b><br/>However, since we have another EC granted in June 2021 for expansion &amp; addition of new products, we request to consider latest figures given in same. According to specific condition No .17 of EC No. SEIAA/GUJ/EC/5(f)/965/2021 dated June 24, 2021, Industrial waste water generation shall not exceed 450.50 KLD.</p> <p>The average total industrial effluent generation for the report period is 53.8 m<sup>3</sup>/day only which is well within the limit. Details given in below table:</p> <table border="1"> <thead> <tr> <th>Wastewater generation m<sup>3</sup></th> <th>April 2023</th> <th>May 2023</th> <th>June 2023</th> <th>July 2023</th> <th>August 2023</th> <th>September 2023</th> </tr> </thead> <tbody> <tr> <td>m<sup>3</sup>/Month</td> <td>2298</td> <td>1564</td> <td>1499</td> <td>1490</td> <td>1800</td> <td>1872</td> </tr> <tr> <td>m<sup>3</sup>/day</td> <td>76.6</td> <td>50.45</td> <td>49.97</td> <td>48.06</td> <td>58.06</td> <td>62.4</td> </tr> </tbody> </table> <p>The maximum values during the compliance period confirms that at no time the wastewater generation went beyond the stipulated value. Summary is given below:</p> <table border="1"> <thead> <tr> <th rowspan="2">Wastewater generation</th> <th rowspan="2">Stipulated value</th> <th colspan="3">Values for the period April 2023 - September 2023</th> </tr> <tr> <th>Min.</th> <th>Max.</th> <th>Avg.</th> </tr> </thead> <tbody> <tr> <td>Wastewater generation m<sup>3</sup>/d</td> <td>450.5</td> <td>48.06</td> <td>76.6</td> <td>53.8</td> </tr> </tbody> </table> | Wastewater generation m <sup>3</sup> | April 2023 | May 2023    | June 2023      | July 2023 | August 2023 | September 2023 | m <sup>3</sup> /Month | 2298 | 1564 | 1499 | 1490 | 1800 | 1872 | m <sup>3</sup> /day | 76.6 | 50.45 | 49.97 | 48.06 | 58.06 | 62.4 | Wastewater generation | Stipulated value | Values for the period April 2023 - September 2023 |  |  | Min. | Max. | Avg. | Wastewater generation m <sup>3</sup> /d | 450.5 | 48.06 | 76.6 | 53.8 |
| Wastewater generation m <sup>3</sup>    | April 2023   | May 2023  | June 2023                            | July 2023  | August 2023 | September 2023 |           |             |                |                       |      |      |      |      |      |      |                     |      |       |       |       |       |      |                       |                  |   |  |  |      |      |      |   |       |       |      |      |
| m <sup>3</sup> /Month                   | 2298   | 1564  | 1499                                 | 1490       | 1800        | 1872           |           |             |                |                       |      |      |      |      |      |      |                     |      |       |       |       |       |      |                       |                  |   |  |  |      |      |      |   |       |       |      |      |
| m <sup>3</sup> /day                     | 76.6   | 50.45   | 49.97                                | 48.06      | 58.06       | 62.4           |           |             |                |                       |      |      |      |      |      |      |                     |      |       |       |       |       |      |                       |                  |   |  |  |      |      |      |   |       |       |      |      |
| Wastewater generation                   | Stipulated value   | Values for the period April 2023 - September 2023   |                                      |            |             |                |           |             |                |                       |      |      |      |      |      |      |                     |      |       |       |       |       |      |                       |                  |   |  |  |      |      |      |   |       |       |      |      |
|   |  | Min.  | Max.                                 | Avg.       |             |                |           |             |                |                       |      |      |      |      |      |      |                     |      |       |       |       |       |      |                       |                  |   |  |  |      |      |      |   |       |       |      |      |
| Wastewater generation m <sup>3</sup> /d | 450.5  | 48.06   | 76.6                                 | 53.8       |             |                |           |             |                |                       |      |      |      |      |      |      |                     |      |       |       |       |       |      |                       |                  |   |  |  |      |      |      |   |       |       |      |      |
|   | Out of 326.8 m <sup>3</sup> /d, 24 m <sup>3</sup> /d of high COD effluent shall be incinerated in the incinerator (of Atul Ltd as stated in point 4 of EC)                           | <p><b>Complied.</b><br/>We have been segregating high COD streams (COD &gt;50000 ppm) and same is being taken for recovery to get economic benefit. Rest lean effluent of COD &lt;2000 ppm is finally sent to ETP for treatment.</p> <p>All the high COD streams are being diverted to recovery system rather than incineration. Streams containing Solvents, oils, etc. are taken for the recovery of the same and reused. Hence, there is no High COD Waste water stream remaining and therefore no incineration was done during this period.</p>   |                                      |            |             |                |           |             |                |                       |      |      |      |      |      |      |                     |      |       |       |       |       |      |                       |                  |   |  |  |      |      |      |   |       |       |      |      |
|   | Remaining 302.8 m <sup>3</sup> /d of normal effluent stream after mixing with other effluent like cooling tower (111.8 m <sup>3</sup> /d) shall be treated in ETP for                | <p><b>Complied.</b><br/>Normal effluent stream is further treated in Effluent Treatment Plant of Atul Ltd. (Ref. Point 4 of EC) during report period.</p>   |                                      |            |             |                |           |             |                |                       |      |      |      |      |      |      |                     |      |       |       |       |       |      |                       |                  |   |  |  |      |      |      |   |       |       |      |      |



|   |  |            |  |        |        |
|---|--|------------|--|--------|--------|
| primary and secondary treatment.  |  |            |  |        |        |
| The treated effluent after confirming to the prescribed standards shall be discharged into estuary of river Par through a 4km long pipe line. | <p><b>Complied.</b></p> <p>The treated effluent after confirming to the prescribed standards is being discharged into estuary of river Par through a 4km long pipe line of Atul Ltd. (Ref. Point 4 of EC). The discharged effluent is meeting all pollution board limits and values of various parameters of treated effluent is given in <b>Table 1</b>.</p> <p>The maximum values during the compliance period confirms that at no time the emission went beyond the stipulated standards. Summary is given below:</p> |            |  |        |        |
| Sr. No.   | Parameter  | Norms      | Values for the period<br>April 2023 - September 2023 |        |        |
|   |  |            | Min.   | Max.   | Avg.   |
| 1   | pH   | 5.5 to 9.0 | 6.89   | 7.15   | 7.0    |
| 2   | Temperature °C   | 40 °C      | 30.4   | 31.6   | 31.1   |
| 3   | Suspended solids mg/l  | 100        | 41   | 61     | 49.9   |
| 4   | Oil and Grease mg/l  | 10         | 2.8  | 5.4    | 4.0    |
| 5   | Phenolic Compounds   | 5          | 0.62   | 0.89   | 0.7    |
| 6   | Cyanides mg/l  | 0.2        | ND   | ND     | ND     |
| 7   | Fluorides mg/l   | 2          | 0.74   | 1.24   | 0.9    |
| 8   | Sulphides mg/l   | 2          | 0.36   | 0.8    | 0.5    |
| 9   | Ammonical Nitrogen mg/l  | 50         | 5.97   | 9.63   | 7.9    |
| 10  | Arsenic mg/l   | 0.2        | ND   | ND     | ND     |
| 11  | Total Chromium mg/l  | 2          | 0.062  | 0.79   | 0.2    |
| 12  | Hexavalent Chromium mg/l   | 1          | ND   | ND     | ND     |
| 13  | Copper mg/l  | 3          | 0.17   | 0.45   | 0.3    |
| 14  | Lead mg/l  | 2          | ND   | ND     | ND     |
| 15  | Mercury mg/l   | 0.01       | ND   | ND     | ND     |
| 16  | Nickel mg/l  | 5          | 0.17   | 0.26   | 0.2    |
| 17  | Zinc mg/l  | 15         | 0.54   | 0.91   | 0.7    |
| 18  | Cadmium mg/l   | 2          | ND   | ND     | ND     |
| 19  | Phosphate mg/l   | 5          | 1.62   | 2.41   | 2.0    |
| 20  | BOD (3 days at 27°C) mg/l  | 100        | 47.17  | 74     | 54.9   |
| 21  | COD mg/l   | 250        | 206  | 232    | 220.3  |
| 22  | Insecticide/Pesticide  | Absent     | Absent   | Absent | Absent |
| 23  | Sodium Absorption Ratio  | 26         | 4.45   | 9.2    | 6.0    |
| 24  | Manganese mg/l   | 2          | 0.079  | 0.24   | 0.1    |
| 25  | Tin mg/l   | 0.1        | ND   | ND     | ND     |





|     |  |   |                |   |  |  |  |
|-----|--|---|----------------|---|--|--|--|
|     |  | 26  | Bio Assay Test | 90% survival of fish after 96 hrs. in 100% effluent | 100% survival of fish after 96 hrs. in 100% effluent | 100% survival of fish after 96 hrs. in 100% effluent | 100% survival of fish after 96 hrs. in 100% effluent |
| ii  | Process emissions in the form of HCl shall be scrubbed with water and caustic scrubber and HCl recovered as by product.  | <b>Complied.</b><br>Process emissions in the form of HCl is scrubbed with water and caustic scrubber and set to ETP.  |                |   |  |  |  |
|     | The emissions shall be dispersed through stack of adequate height as per CPCB standards.   | <b>Complied.</b><br>The emissions is being dispersed through stack of adequate height as per CPCB standards. Gaseous emissions from process units are monitored regularly every month and same are given in <b>Table 2</b> . The same is being monitored online and connected with CPCB and GPCB.   |                |   |  |  |  |
|     | The gaseous emissions from the DG sets shall be dispersed through stack of adequate height as per CPCB standards.  | <b>Complied.</b><br>The gaseous emission from the DG sets is dispersed through stack of adequate height as per CPCB standards.<br>The minimum height of stack is provided using the following formula (ref. CPCB):<br>$H = h + 0.2 \times \sqrt{KVA}$<br>H = Total height of stack in meter.<br>h = Height of the building in meters where the generator set is installed.<br>KVA = Total generator capacity of the set in KVA.<br><br>However, DG set is being used only during emergency. |                |   |  |  |  |
|     | Acoustic enclosures shall be provided to the DG set to control the noise pollution.  | <b>Complied.</b><br>DG Set is having inbuilt acoustic enclosure to control noise pollution.   |                |   |  |  |  |
| iii | The company shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on its website and shall update the same periodically. | <b>Complied.</b><br>The status of compliance of stipulated environmental clearance conditions including results of monitored data is posted on our web site <a href="http://www.atulbio.co.in">www.atulbio.co.in</a>  |                |   |  |  |  |



| <p>It shall simultaneously be sent to the Regional office of MOEF, the respective Zonal office of CPCB and the State Pollution Control Board.</p>  | <p><b>Complied.</b><br/>Compliance status report is regularly submitted to the Regional office of MOEF, the respective Zonal office of CPCB and the State Pollution Control Board.</p>  |                                |   |                           |       |   |      |   |      |      |      |   |     |    |                    |      |      |      |   |                 |   |      |      |      |         |           |                                |   |  |  |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |       |                   |    |    |    |       |                  |     |    |    |       |                 |    |      |      |       |                 |    |      |      |       |                 |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |
|--|---|--------------------------------|---|---------------------------|-------|---|------|---|------|------|------|---|-----|----|--------------------|------|------|------|---|-----------------|---|------|------|------|---------|-----------|--------------------------------|---|--|--|------|------|------|------------------|-------------------|----|------|------|-------|------------------|-----|------|------|-------|-----------------|----|------|------|-------|-----------------|----|------|------|-------|----|----|------|------|------|------------------|-------------------|----|------|------|-------|------------------|-----|------|------|-------|-----------------|----|------|------|-------|-----------------|----|------|------|-------|----|----|------|------|------|-------|-------------------|----|----|----|-------|------------------|-----|----|----|-------|-----------------|----|------|------|-------|-----------------|----|------|------|-------|-----------------|-------------------|----|------|------|-------|------------------|-----|------|------|-------|-----------------|----|------|------|-------|
| <p>The criteria pollutant levels namely: SPM, RSPM, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectorial parameters like VOC indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.</p> | <p><b>Complied.</b><br/>The critical pollutants parameters are monitored regularly on monthly basis and displayed at board at the company entrance.<br/>Details of stack results, ambient air monitoring and VOC measured in fugitive emission is given in <b>Table 2, 3 and 4</b> respectively.<br/><br/>The maximum values during the compliance period confirms that at no time the emission level went beyond the stipulated standards.</p> <p><b>Summary of stack results:</b></p> <table border="1" data-bbox="542 835 1459 1050"> <thead> <tr> <th rowspan="2">Sr. No.</th> <th rowspan="2">Parameter</th> <th rowspan="2">Standard limit as per CCA</th> <th rowspan="2">Unit</th> <th colspan="3">Values for the period April 2023 - September 2023</th> </tr> <tr> <th>Min.</th> <th>Max.</th> <th>Avg.</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>HCl</td> <td>20</td> <td rowspan="2">mg/Nm<sup>3</sup></td> <td>4.93</td> <td>6.37</td> <td>5.33</td> </tr> <tr> <td>2</td> <td>Cl<sub>2</sub></td> <td>9</td> <td>4.40</td> <td>6.20</td> <td>5.08</td> </tr> </tbody> </table> <p><b>Summary of Ambient Air Quality results:</b></p> <table border="1" data-bbox="558 1155 1474 1879"> <thead> <tr> <th rowspan="2">Station</th> <th rowspan="2">Parameter</th> <th rowspan="2">Limit micro gm/NM<sup>3</sup></th> <th colspan="3">Values for the period April 2023 - September 2023</th> </tr> <tr> <th>Min.</th> <th>Max.</th> <th>Avg.</th> </tr> </thead> <tbody> <tr> <td rowspan="5">Near MPP 1 Plant</td> <td>PM<sub>2.5</sub></td> <td>60</td> <td>49.1</td> <td>57.9</td> <td>54.47</td> </tr> <tr> <td>PM<sub>10</sub></td> <td>100</td> <td>89.6</td> <td>96.3</td> <td>92.78</td> </tr> <tr> <td>SO<sub>2</sub></td> <td>80</td> <td>11.5</td> <td>16.2</td> <td>14.53</td> </tr> <tr> <td>NO<sub>2</sub></td> <td>80</td> <td>25.2</td> <td>31.6</td> <td>28.17</td> </tr> <tr> <td>CO</td> <td>02</td> <td>0.24</td> <td>0.80</td> <td>0.47</td> </tr> <tr> <td rowspan="5">Near MPP 2 Plant</td> <td>PM<sub>2.5</sub></td> <td>60</td> <td>44.7</td> <td>53.7</td> <td>50.42</td> </tr> <tr> <td>PM<sub>10</sub></td> <td>100</td> <td>81.8</td> <td>91.7</td> <td>85.62</td> </tr> <tr> <td>SO<sub>2</sub></td> <td>80</td> <td>10.8</td> <td>13.7</td> <td>12.72</td> </tr> <tr> <td>NO<sub>2</sub></td> <td>80</td> <td>21.7</td> <td>28.4</td> <td>25.97</td> </tr> <tr> <td>CO</td> <td>02</td> <td>0.30</td> <td>0.64</td> <td>0.50</td> </tr> <tr> <td rowspan="4">66 KV</td> <td>PM<sub>2.5</sub></td> <td>60</td> <td>22</td> <td>50</td> <td>33.33</td> </tr> <tr> <td>PM<sub>10</sub></td> <td>100</td> <td>48</td> <td>82</td> <td>59.50</td> </tr> <tr> <td>SO<sub>2</sub></td> <td>80</td> <td>13.3</td> <td>24.4</td> <td>18.70</td> </tr> <tr> <td>NO<sub>2</sub></td> <td>80</td> <td>18.2</td> <td>30.7</td> <td>26.30</td> </tr> <tr> <td rowspan="3">Opposite Shed D</td> <td>PM<sub>2.5</sub></td> <td>60</td> <td>31.9</td> <td>51.7</td> <td>35.72</td> </tr> <tr> <td>PM<sub>10</sub></td> <td>100</td> <td>52.3</td> <td>89.6</td> <td>62.10</td> </tr> <tr> <td>SO<sub>2</sub></td> <td>80</td> <td>16.7</td> <td>24.6</td> <td>20.35</td> </tr> </tbody> </table> | Sr. No.                        | Parameter   | Standard limit as per CCA | Unit  | Values for the period April 2023 - September 2023 |      |   | Min. | Max. | Avg. | 1 | HCl | 20 | mg/Nm <sup>3</sup> | 4.93 | 6.37 | 5.33 | 2 | Cl <sub>2</sub> | 9 | 4.40 | 6.20 | 5.08 | Station | Parameter | Limit micro gm/NM <sup>3</sup> | Values for the period April 2023 - September 2023 |  |  | Min. | Max. | Avg. | Near MPP 1 Plant | PM <sub>2.5</sub> | 60 | 49.1 | 57.9 | 54.47 | PM <sub>10</sub> | 100 | 89.6 | 96.3 | 92.78 | SO <sub>2</sub> | 80 | 11.5 | 16.2 | 14.53 | NO <sub>2</sub> | 80 | 25.2 | 31.6 | 28.17 | CO | 02 | 0.24 | 0.80 | 0.47 | Near MPP 2 Plant | PM <sub>2.5</sub> | 60 | 44.7 | 53.7 | 50.42 | PM <sub>10</sub> | 100 | 81.8 | 91.7 | 85.62 | SO <sub>2</sub> | 80 | 10.8 | 13.7 | 12.72 | NO <sub>2</sub> | 80 | 21.7 | 28.4 | 25.97 | CO | 02 | 0.30 | 0.64 | 0.50 | 66 KV | PM <sub>2.5</sub> | 60 | 22 | 50 | 33.33 | PM <sub>10</sub> | 100 | 48 | 82 | 59.50 | SO <sub>2</sub> | 80 | 13.3 | 24.4 | 18.70 | NO <sub>2</sub> | 80 | 18.2 | 30.7 | 26.30 | Opposite Shed D | PM <sub>2.5</sub> | 60 | 31.9 | 51.7 | 35.72 | PM <sub>10</sub> | 100 | 52.3 | 89.6 | 62.10 | SO <sub>2</sub> | 80 | 16.7 | 24.6 | 20.35 |
| Sr. No.  | Parameter   |                                |   |                           |       | Standard limit as per CCA                         | Unit | Values for the period April 2023 - September 2023 |      |      |      |   |     |    |                    |      |      |      |   |                 |   |      |      |      |         |           |                                |   |  |  |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |       |                   |    |    |    |       |                  |     |    |    |       |                 |    |      |      |       |                 |    |      |      |       |                 |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |
|  |   | Min.                           | Max.  | Avg.                      |       |   |      |   |      |      |      |   |     |    |                    |      |      |      |   |                 |   |      |      |      |         |           |                                |   |  |  |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |       |                   |    |    |    |       |                  |     |    |    |       |                 |    |      |      |       |                 |    |      |      |       |                 |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |
| 1  | HCl   | 20                             | mg/Nm <sup>3</sup>                                | 4.93                      | 6.37  | 5.33  |      |   |      |      |      |   |     |    |                    |      |      |      |   |                 |   |      |      |      |         |           |                                |   |  |  |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |       |                   |    |    |    |       |                  |     |    |    |       |                 |    |      |      |       |                 |    |      |      |       |                 |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |
| 2  | Cl <sub>2</sub>   | 9                              |   | 4.40                      | 6.20  | 5.08  |      |   |      |      |      |   |     |    |                    |      |      |      |   |                 |   |      |      |      |         |           |                                |   |  |  |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |       |                   |    |    |    |       |                  |     |    |    |       |                 |    |      |      |       |                 |    |      |      |       |                 |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |
| Station  | Parameter   | Limit micro gm/NM <sup>3</sup> | Values for the period April 2023 - September 2023 |                           |       |   |      |   |      |      |      |   |     |    |                    |      |      |      |   |                 |   |      |      |      |         |           |                                |   |  |  |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |       |                   |    |    |    |       |                  |     |    |    |       |                 |    |      |      |       |                 |    |      |      |       |                 |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |
|  |   |                                | Min.  | Max.                      | Avg.  |   |      |   |      |      |      |   |     |    |                    |      |      |      |   |                 |   |      |      |      |         |           |                                |   |  |  |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |       |                   |    |    |    |       |                  |     |    |    |       |                 |    |      |      |       |                 |    |      |      |       |                 |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |
| Near MPP 1 Plant   | PM <sub>2.5</sub>   | 60                             | 49.1  | 57.9                      | 54.47 |   |      |   |      |      |      |   |     |    |                    |      |      |      |   |                 |   |      |      |      |         |           |                                |   |  |  |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |       |                   |    |    |    |       |                  |     |    |    |       |                 |    |      |      |       |                 |    |      |      |       |                 |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |
|  | PM <sub>10</sub>  | 100                            | 89.6  | 96.3                      | 92.78 |   |      |   |      |      |      |   |     |    |                    |      |      |      |   |                 |   |      |      |      |         |           |                                |   |  |  |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |       |                   |    |    |    |       |                  |     |    |    |       |                 |    |      |      |       |                 |    |      |      |       |                 |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |
|  | SO <sub>2</sub>   | 80                             | 11.5  | 16.2                      | 14.53 |   |      |   |      |      |      |   |     |    |                    |      |      |      |   |                 |   |      |      |      |         |           |                                |   |  |  |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |       |                   |    |    |    |       |                  |     |    |    |       |                 |    |      |      |       |                 |    |      |      |       |                 |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |
|  | NO <sub>2</sub>   | 80                             | 25.2  | 31.6                      | 28.17 |   |      |   |      |      |      |   |     |    |                    |      |      |      |   |                 |   |      |      |      |         |           |                                |   |  |  |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |       |                   |    |    |    |       |                  |     |    |    |       |                 |    |      |      |       |                 |    |      |      |       |                 |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |
|  | CO  | 02                             | 0.24  | 0.80                      | 0.47  |   |      |   |      |      |      |   |     |    |                    |      |      |      |   |                 |   |      |      |      |         |           |                                |   |  |  |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |       |                   |    |    |    |       |                  |     |    |    |       |                 |    |      |      |       |                 |    |      |      |       |                 |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |
| Near MPP 2 Plant   | PM <sub>2.5</sub>   | 60                             | 44.7  | 53.7                      | 50.42 |   |      |   |      |      |      |   |     |    |                    |      |      |      |   |                 |   |      |      |      |         |           |                                |   |  |  |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |       |                   |    |    |    |       |                  |     |    |    |       |                 |    |      |      |       |                 |    |      |      |       |                 |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |
|  | PM <sub>10</sub>  | 100                            | 81.8  | 91.7                      | 85.62 |   |      |   |      |      |      |   |     |    |                    |      |      |      |   |                 |   |      |      |      |         |           |                                |   |  |  |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |       |                   |    |    |    |       |                  |     |    |    |       |                 |    |      |      |       |                 |    |      |      |       |                 |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |
|  | SO <sub>2</sub>   | 80                             | 10.8  | 13.7                      | 12.72 |   |      |   |      |      |      |   |     |    |                    |      |      |      |   |                 |   |      |      |      |         |           |                                |   |  |  |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |       |                   |    |    |    |       |                  |     |    |    |       |                 |    |      |      |       |                 |    |      |      |       |                 |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |
|  | NO <sub>2</sub>   | 80                             | 21.7  | 28.4                      | 25.97 |   |      |   |      |      |      |   |     |    |                    |      |      |      |   |                 |   |      |      |      |         |           |                                |   |  |  |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |       |                   |    |    |    |       |                  |     |    |    |       |                 |    |      |      |       |                 |    |      |      |       |                 |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |
|  | CO  | 02                             | 0.30  | 0.64                      | 0.50  |   |      |   |      |      |      |   |     |    |                    |      |      |      |   |                 |   |      |      |      |         |           |                                |   |  |  |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |       |                   |    |    |    |       |                  |     |    |    |       |                 |    |      |      |       |                 |    |      |      |       |                 |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |
| 66 KV  | PM <sub>2.5</sub>   | 60                             | 22  | 50                        | 33.33 |   |      |   |      |      |      |   |     |    |                    |      |      |      |   |                 |   |      |      |      |         |           |                                |   |  |  |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |       |                   |    |    |    |       |                  |     |    |    |       |                 |    |      |      |       |                 |    |      |      |       |                 |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |
|  | PM <sub>10</sub>  | 100                            | 48  | 82                        | 59.50 |   |      |   |      |      |      |   |     |    |                    |      |      |      |   |                 |   |      |      |      |         |           |                                |   |  |  |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |       |                   |    |    |    |       |                  |     |    |    |       |                 |    |      |      |       |                 |    |      |      |       |                 |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |
|  | SO <sub>2</sub>   | 80                             | 13.3  | 24.4                      | 18.70 |   |      |   |      |      |      |   |     |    |                    |      |      |      |   |                 |   |      |      |      |         |           |                                |   |  |  |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |       |                   |    |    |    |       |                  |     |    |    |       |                 |    |      |      |       |                 |    |      |      |       |                 |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |
|  | NO <sub>2</sub>   | 80                             | 18.2  | 30.7                      | 26.30 |   |      |   |      |      |      |   |     |    |                    |      |      |      |   |                 |   |      |      |      |         |           |                                |   |  |  |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |       |                   |    |    |    |       |                  |     |    |    |       |                 |    |      |      |       |                 |    |      |      |       |                 |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |
| Opposite Shed D  | PM <sub>2.5</sub>   | 60                             | 31.9  | 51.7                      | 35.72 |   |      |   |      |      |      |   |     |    |                    |      |      |      |   |                 |   |      |      |      |         |           |                                |   |  |  |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |       |                   |    |    |    |       |                  |     |    |    |       |                 |    |      |      |       |                 |    |      |      |       |                 |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |
|  | PM <sub>10</sub>  | 100                            | 52.3  | 89.6                      | 62.10 |   |      |   |      |      |      |   |     |    |                    |      |      |      |   |                 |   |      |      |      |         |           |                                |   |  |  |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |       |                   |    |    |    |       |                  |     |    |    |       |                 |    |      |      |       |                 |    |      |      |       |                 |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |
|  | SO <sub>2</sub>   | 80                             | 16.7  | 24.6                      | 20.35 |   |      |   |      |      |      |   |     |    |                    |      |      |      |   |                 |   |      |      |      |         |           |                                |   |  |  |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |                  |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |                 |    |      |      |       |    |    |      |      |      |       |                   |    |    |    |       |                  |     |    |    |       |                 |    |      |      |       |                 |    |      |      |       |                 |                   |    |      |      |       |                  |     |      |      |       |                 |    |      |      |       |



|                         |  |                   |     |      |      |       |
|-------------------------|--|-------------------|-----|------|------|-------|
|                         |  | NO <sub>2</sub>   | 80  | 22.2 | 30.5 | 28.60 |
| Near West site ETP      |  | PM <sub>2.5</sub> | 60  | 29   | 39   | 31.50 |
|                         |  | PM <sub>10</sub>  | 100 | 43   | 78   | 56.50 |
|                         |  | SO <sub>2</sub>   | 80  | 11.5 | 26.9 | 17.88 |
|                         |  | NO <sub>2</sub>   | 80  | 16.3 | 32.6 | 24.38 |
| Near North ETP          |  | PM <sub>2.5</sub> | 60  | 24   | 45   | 29.83 |
|                         |  | PM <sub>10</sub>  | 100 | 43   | 80   | 51.83 |
|                         |  | SO <sub>2</sub>   | 80  | 12.4 | 23.4 | 16.90 |
|                         |  | NO <sub>2</sub>   | 80  | 19.1 | 27.9 | 25.28 |
| TSDF                    |  | PM <sub>2.5</sub> | 60  | 24   | 43   | 30.00 |
|                         |  | PM <sub>10</sub>  | 100 | 49   | 79   | 56.33 |
|                         |  | SO <sub>2</sub>   | 80  | 12.3 | 19.3 | 15.32 |
|                         |  | NO <sub>2</sub>   | 80  | 17.3 | 30.7 | 24.80 |
| Main Guest House        |  | PM <sub>2.5</sub> | 60  | 32.5 | 50.8 | 36.57 |
|                         |  | PM <sub>10</sub>  | 100 | 53.3 | 88.6 | 62.62 |
|                         |  | SO <sub>2</sub>   | 80  | 15.5 | 30.4 | 21.15 |
|                         |  | NO <sub>2</sub>   | 80  | 19.3 | 29.8 | 25.13 |
| Wyeth Colony            |  | PM <sub>2.5</sub> | 60  | 22   | 44   | 31.00 |
|                         |  | PM <sub>10</sub>  | 100 | 41   | 72   | 54.17 |
|                         |  | SO <sub>2</sub>   | 80  | 12.9 | 23.4 | 18.32 |
|                         |  | NO <sub>2</sub>   | 80  | 18   | 29.7 | 24.30 |
| Gram panchayat hall     |  | PM <sub>2.5</sub> | 60  | 30.6 | 48.7 | 35.82 |
|                         |  | PM <sub>10</sub>  | 100 | 52.3 | 88.6 | 63.00 |
|                         |  | SO <sub>2</sub>   | 80  | 15.6 | 26.4 | 20.50 |
|                         |  | NO <sub>2</sub>   | 80  | 22.3 | 32.6 | 28.42 |
| Main office, North site |  | PM <sub>2.5</sub> | 60  | 29.3 | 60.2 | 35.85 |
|                         |  | PM <sub>10</sub>  | 100 | 50.3 | 88.1 | 60.83 |
|                         |  | SO <sub>2</sub>   | 80  | 15.3 | 23.6 | 20.28 |
|                         |  | NO <sub>2</sub>   | 80  | 18.6 | 32.6 | 27.55 |
| Haria water tank        |  | PM <sub>2.5</sub> | 60  | 29.4 | 51.3 | 35.05 |
|                         |  | PM <sub>10</sub>  | 100 | 52.6 | 84.6 | 59.95 |
|                         |  | SO <sub>2</sub>   | 80  | 17.1 | 30.2 | 20.85 |
|                         |  | NO <sub>2</sub>   | 80  | 20.3 | 29.8 | 26.42 |

**Summary of VOC results:**

| Location          | Parameter | Permissible limit      | Values for the period April 2023 – September 2023 |      |       |
|-------------------|-----------|------------------------|---|------|-------|
|                   |           |                        | Min.  | Max. | Avg.  |
| Ground Floor MPP2 | Chlorine  | 3 mg / Nm <sup>3</sup> | ND  | ND   | ND    |
|                   | Toluene   | 150 ppm                | 25  | 115  | 77.33 |



|    |  |  |
|----|--|--|
| iv | The company shall adopt cleaner production technology to minimize the quantity of fresh water requirement and process effluent generation.   | <p><b>Complied.</b><br/>           Steam condensate is being collected and used in place of raw water. Various wash water streams are being utilized in the further steps of the process.</p>  |
| v  | The Company shall obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous Waste (Management, Handling and Trans boundary movement) Rules. 2008 for management of hazardous wastes and prior permission from GPCB shall be obtained for disposal of solid / hazardous waste in the TSDF. | <p><b>Complied.</b><br/>           We have obtained authorization under Haz. Waste management rules 2016 and available in our valid current CCA No. AWH 127625 for handling, storage and disposal of hazardous waste.</p>  |
|    | The concerned company shall undertake measures for firefighting facilities in case of emergency.   | <p><b>Complied.</b><br/>           We have well established fire hydrant network. We have mutual aid with parent company - Atul Ltd for emergency help, which is located just besides our company. Atul Ltd has three nos. of fire tenders, fully adequate hydrant system and trained staff, emergency response team(ERT) of trained workers, power supply from two source with emergency backup power provision from DG set as well grid.</p> <p>We have detailed on-site emergency plan. Mock drills are also being carried out at regular interval. Last mock drill was conducted on June 27, 2023.</p> |
| vi | The project authorities shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals Rules. 1989 as amended in October, 1994 and January, 2000.  | <p><b>Complied.</b><br/>           We are complying with all the requirement of MSIHC rule 1989 as amended in October, 1994 and January, 2000 and having proper storage and handling system, Onsite emergency plan, Licenses, reporting, etc.<br/>           The company complies with all stipulated norms mentioned in CCA by GPCB in this regard. This has been certified by our Environmental auditors, an authorized agency and nominated by GPCB; through Environmental audit every year.</p>  |



|      |   |   |
|------|---|---|
|      | All Transportation of Hazardous Chemicals shall be as per the MVA 1989.   | <b>Complied.</b><br>Transportation of Hazardous chemicals are being done as per the MVA 1989.   |
| vii  | The company shall undertake following Waste Minimization measures :-  |   |
|      | Metering and control of quantities of active ingredients to minimize waste.                                       | <b>Complied.</b><br>All the liquid ingredients are being charged through measure vessels and/or flow meters to control on quantity as per the stoichiometry. All the solid ingredients are charged after proper weighment only. All these meters and weighing machines are calibrated and records are maintained. |
|      | Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.         | <b>Complied.</b>  |
|      | Use of automated filling to minimize spillage.  | <b>Complied.</b><br>Filling is done on weighing balance manually but in controlled manner to minimize spillage.   |
|      | Use of "Close Feed" system into batch reactors.   | <b>Complied.</b><br>All reactors are in close loop and connected with condensers having cooling tower water, Chilled water or Brine water supply for control of fugitive emission.  |
|      | Venting equipment through vapor recovery system.  | <b>Complied.</b><br>All the reactors are equipped with vents/stacks, which are connected to either vapor recovery system consisting of condensers, ejector/vacuum pumps and/or scrubbers.   |
|      | Use of high pressure hoses for equipment clearing to reduce wastewater generation.                                | <b>Complied.</b><br>Many equipment like reactors, spray dryers, condenser wherever necessary are being cleaned with high pressure sparger / jet to reduce waste water generation.   |
| viii | Fugitive emissions in the work zone environment, product, raw material storage area shall be regularly monitored. | <b>Complied.</b><br>Fugitive emissions in the work zone environment and raw material storage area is being regularly monitored by GPCB approved third party. The emission is always being confirmed to the limits.  |
|      | The emissions shall conform to the limits   | <b>Complied.</b><br>The emissions confirms the limits. The maximum values during the  |



|    |   |   |
|----|---|---|
|    | imposed by SPCB.  | compliance period confirms that at no time the emission level went beyond the stipulated standards. <b>Summary of stack results given in specific condition no. iii.</b><br>The detailed results are given in <b>Table 2.</b>           |
| ix | The project authorities shall provide the chilled brine solution in secondary condenser for condensation of the VOCs. | <b>Complied.</b><br>Chilled brine solution is provided in secondary condenser for condensation of the VOCs.   |
|    | The project authority shall ensure that the solvent recovery shall not be less than 95%.                              | <b>Complied.</b><br>Solvent recovery is >95%.   |
|    | The VOC monitoring shall be carried in the solvent storage area and data submitted to the Ministry.                   | <b>Complied.</b><br>We are monitoring VOC as well as other chemicals in work area as per Factories Act and records are being maintained in For No. 37.VOC monitoring done on regular bases and the results are given in <b>Table 4.</b> |
| x  | Solvent management shall be as follows :  |   |
|    | Reactor shall be connected to chilled brine condenser system  | <b>Complied.</b><br>Reactors are connected to chilled brine condenser system.   |
|    | Reactor and solvent handling pump shall have mechanical seals to prevent leakages.                                    | <b>Complied.</b><br>Reactor and solvent handling pump do have mechanical seals to prevent leakages.   |
|    | The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 95% recovery.      | <b>Complied.</b><br>The condensers are provided with sufficient HTA and residence time.   |
|    | Solvents shall be stored in a separate space specified with all safety measures.                                      | <b>Complied.</b><br>Solvents are stored in tank farms in separate tanks with proper earthing, flame arresters, lightening arresters, fencing, Fire hydrant system, Fire extinguishers, flame proof equipment, etc. safety measures.     |
|    | Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.                  | <b>Complied.</b><br>Double earthing is provided and regular checking and testing of the same is being done and recorded.  |



|                              |   |   |
|------------------------------|---|---|
|                              | Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.   | <b>Complied.</b><br>Plants are equipped with Jumpers, flame proof electrical fittings and proper earthing as per the Hazardous area classification of PESO.   |
| xi                           | Hazardous chemicals shall be stored in tanks in tank farms, drums, carboys, etc.  | <b>Complied.</b><br>Hazardous chemicals are being stored in tanks, drums and carboys considering the storage quantity and chemical stored.  |
|                              | An area of 33% green belt and selection of plant species shall be as per the guideline of CPCB.   | <b>Complied.</b><br>Company is having green belt in 33% area of plant and doing plantation every year.  |
| xii                          | The Company shall harvest surface as well as rainwater from the rooftops of the buildings and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve fresh water. | <b>Complied.</b><br>We have installed 120 KL underground tank and 2 nos of 30 KL overhead tank to collect rain water from roof tops.  |
| xiii                         | Occupational health surveillance of the workers shall be carried out on a regular basis and records shall be maintained as per the Factories Act.   | <b>Complied.</b><br>Occupational health surveillance of the workers being carried out on regular basis.   |
| <b>B. General Conditions</b> |   |   |
| i                            | The project authorities shall strictly adhere to the stipulations made by the GPCB.   | <b>Complied.</b><br>The company adheres to the compliances and has not exceeded the stipulation. This has been certified by our Environmental auditors, an authorized agency and nominated by GPCB; through Environmental audit every year. |
| ii                           | No further expansion or modification in the plant shall be carried out without prior approval of  | <b>Complied.</b><br>Any expansion will be carried out after prior approval of MoEF only.  |



|     |   |  |
|-----|---|--|
|     | <p>the Ministry of Environment and Forests.</p> <p>In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.</p> |  |
| iii | <p>At no time, the emissions shall exceed the prescribed limits.</p>  | <p><b>Complied.</b></p> <p>Monthly monitoring is being done by GPCB approved, NABL approved agencies.</p> <p>At no time, the emissions exceeded the prescribed limits during report period.</p> <p><b>Summary of stack emission is given in special condition iii.</b></p> |
|     | <p>In the event of failure of any pollution control system adopted by the units, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.</p>  | <p><b>Complied.</b></p> <p>No such case happened during the compliance period.</p>   |
| iv  | <p>The Gaseous emission (NO<sub>x</sub>, HCl, SO<sub>2</sub> and SPM) and Particulate matter along with RSPM levels from various process units shall confirm to the standards prescribed by the concerned authorities from time to time.</p>  | <p><b>Complied.</b></p> <p>The gaseous emissions (HCl) from process units confirms to the standards prescribed by GPCB through CCA Gaseous emission is regularly monitored. Results given in <b>Table 2.</b></p>   |
|     | <p>At no time, the emission levels shall go beyond the stipulated standards.</p>  | <p><b>Complied.</b></p> <p>The maximum values during the compliance period confirms that at no time the emission level went beyond the stipulated standards.</p> <p><b>Summary of stack emission is given in special condition iii.</b></p>                                |





|         | <p>In the event of failure of pollution control system(s) adopted by the unit, the respective unit shall not be restricted until the control measures are rectified to achieve the desired efficiency. Stack monitoring for SO<sub>2</sub>, NO<sub>x</sub> and SPM shall be carried.</p>                      | <p><b>Complied.</b><br/>No such case happened during compliance period. Whenever such incident of failure of pollution control system happened, we will stop the operation and rectify the problem and then only restart.</p>  |         |          |   |             |   |             |
|---------|---|--|---------|----------|---|-------------|---|-------------|
| v       | <p>The Location of ambient air quality monitoring stations shall be decided in consultation with stated pollution control Board and it shall be ensured that at least one station is installed in the up wind and downwind direction as well as where maximum ground level concentration are anticipated.</p> | <p><b>Complied.</b><br/>There are two locations have been decided in consultation with GPCB so that at least one station is installed in the upwind and downwind direction as well as where maximum ground level concentration are anticipated for ambient air monitoring. The same had been shown to authority like SPCB, CPCB &amp; MoEF during their visit to our factory.<br/>List of our ambient air monitoring station is given below:</p> <table border="1" data-bbox="721 915 1312 1045"> <thead> <tr> <th>Sr. No.</th> <th>Location</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>MPP 1 Plant</td> </tr> <tr> <td>2</td> <td>MPP 2 Plant</td> </tr> </tbody> </table> <p>Apart from this, 10 ambient air stations of Atul Ltd also monitors the surrounding of ABL.</p> | Sr. No. | Location | 1 | MPP 1 Plant | 2 | MPP 2 Plant |
| Sr. No. | Location  |  |         |          |   |             |   |             |
| 1       | MPP 1 Plant   |  |         |          |   |             |   |             |
| 2       | MPP 2 Plant   |  |         |          |   |             |   |             |
| vi      | <p>Dedicated Scrubbers and stacks of appropriate height as per the central pollution control board guideline shall be provided to control the emission from various vents.</p>  | <p><b>Complied.</b><br/>Dedicated Scrubbers and stacks of appropriate height as per the central pollution control board guideline have been provided to control the emission from various vents.<br/>Details of stack results along with its height data is given in <b>Table 2</b>.</p>   |         |          |   |             |   |             |
|         | <p>The scrubber water shall be sent to ETP for further treatment or sell to actual end users.</p>   | <p><b>Complied.</b><br/>The scrubber water is being sent to ETP for further treatment.</p>   |         |          |   |             |   |             |
| vii     | <p>The overall noise level in and around the plant area shall be kept well within the standard by providing noise control measures including acoustic hoods silencers, enclosures etc. on all source of noise</p>   | <p><b>Complied.</b><br/>In built Acoustic enclosure, silencer and insulation are provided on all source of noise generation to keep over all noise level within the stipulated standards like DG set, etc.</p>   |         |          |   |             |   |             |



|         | <p>generation.</p> <p>The ambient noise level shall confirm to the standards prescribed under Environment(Protection) Act-1986 Rules,1989 viz 75 dBA (day time) and 70 dBA (night time).</p> | <p><b>Complied.</b></p> <p>The ambient noise level confirm to the standard prescribed under EPA. The maximum values during the compliance period confirms that at no time the emission level went beyond the stipulated standards.</p> <p><b>Noise level monitoring data (Day Time):</b></p> <table border="1" data-bbox="540 510 1479 930"> <thead> <tr> <th rowspan="2">Sr. No.</th> <th rowspan="2">Location</th> <th rowspan="2">Permissible Limits, dBA</th> <th colspan="3">Values for the period April 2023 – September 2023</th> </tr> <tr> <th>Min.</th> <th>Max.</th> <th>Avg.</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>66KVA substation</td> <td>75</td> <td>67.1</td> <td>70.3</td> <td>68.48</td> </tr> <tr> <td>2</td> <td>Opposite shed D</td> <td>75</td> <td>60.4</td> <td>63.6</td> <td>61.67</td> </tr> <tr> <td>3</td> <td>ETP West site</td> <td>75</td> <td>64.5</td> <td>66.4</td> <td>65.50</td> </tr> <tr> <td>4</td> <td>ETP North site</td> <td>75</td> <td>58.8</td> <td>60.9</td> <td>59.65</td> </tr> <tr> <td>5</td> <td>Near TSDF</td> <td>75</td> <td>63.8</td> <td>66.9</td> <td>65.25</td> </tr> <tr> <td>6</td> <td>Near Main Office North site</td> <td>75</td> <td>65.7</td> <td>69.7</td> <td>67.42</td> </tr> </tbody> </table> <p><b>Noise level monitoring data (Night Time):</b></p> <table border="1" data-bbox="540 1045 1479 1497"> <thead> <tr> <th rowspan="2">Sr. No.</th> <th rowspan="2">Location</th> <th rowspan="2">Permissible Limits, dBA</th> <th colspan="3">Values for the period April 2023 – September 2023</th> </tr> <tr> <th>Min.</th> <th>Max.</th> <th>Avg.</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>66KVA substation</td> <td>70</td> <td>52.4</td> <td>59.3</td> <td>56.05</td> </tr> <tr> <td>2</td> <td>Opposite shed D</td> <td>70</td> <td>50.1</td> <td>52.5</td> <td>51.67</td> </tr> <tr> <td>3</td> <td>ETP West site</td> <td>70</td> <td>56.9</td> <td>58.9</td> <td>57.75</td> </tr> <tr> <td>4</td> <td>ETP North site</td> <td>70</td> <td>51.3</td> <td>61.3</td> <td>56.93</td> </tr> <tr> <td>5</td> <td>Near TSDF</td> <td>70</td> <td>51.4</td> <td>54.3</td> <td>52.70</td> </tr> <tr> <td>6</td> <td>Near Main Office North site</td> <td>70</td> <td>53.8</td> <td>60.7</td> <td>57.78</td> </tr> </tbody> </table> <p>Details are given in <b>Table 5 and 6.</b></p> | Sr. No.   | Location | Permissible Limits, dBA | Values for the period April 2023 – September 2023 |  |  | Min. | Max. | Avg. | 1 | 66KVA substation | 75 | 67.1 | 70.3 | 68.48 | 2 | Opposite shed D | 75 | 60.4 | 63.6 | 61.67 | 3 | ETP West site | 75 | 64.5 | 66.4 | 65.50 | 4 | ETP North site | 75 | 58.8 | 60.9 | 59.65 | 5 | Near TSDF | 75 | 63.8 | 66.9 | 65.25 | 6 | Near Main Office North site | 75 | 65.7 | 69.7 | 67.42 | Sr. No. | Location | Permissible Limits, dBA | Values for the period April 2023 – September 2023 |  |  | Min. | Max. | Avg. | 1 | 66KVA substation | 70 | 52.4 | 59.3 | 56.05 | 2 | Opposite shed D | 70 | 50.1 | 52.5 | 51.67 | 3 | ETP West site | 70 | 56.9 | 58.9 | 57.75 | 4 | ETP North site | 70 | 51.3 | 61.3 | 56.93 | 5 | Near TSDF | 70 | 51.4 | 54.3 | 52.70 | 6 | Near Main Office North site | 70 | 53.8 | 60.7 | 57.78 |
|---------|--|--|---|----------|-------------------------|---|--|--|------|------|------|---|------------------|----|------|------|-------|---|-----------------|----|------|------|-------|---|---------------|----|------|------|-------|---|----------------|----|------|------|-------|---|-----------|----|------|------|-------|---|-----------------------------|----|------|------|-------|---------|----------|-------------------------|---|--|--|------|------|------|---|------------------|----|------|------|-------|---|-----------------|----|------|------|-------|---|---------------|----|------|------|-------|---|----------------|----|------|------|-------|---|-----------|----|------|------|-------|---|-----------------------------|----|------|------|-------|
| Sr. No. | Location   | Permissible Limits, dBA  |   |          |                         | Values for the period April 2023 – September 2023 |  |  |      |      |      |   |                  |    |      |      |       |   |                 |    |      |      |       |   |               |    |      |      |       |   |                |    |      |      |       |   |           |    |      |      |       |   |                             |    |      |      |       |         |          |                         |   |  |  |      |      |      |   |                  |    |      |      |       |   |                 |    |      |      |       |   |               |    |      |      |       |   |                |    |      |      |       |   |           |    |      |      |       |   |                             |    |      |      |       |
|         |  |  | Min.  | Max.     | Avg.                    |   |  |  |      |      |      |   |                  |    |      |      |       |   |                 |    |      |      |       |   |               |    |      |      |       |   |                |    |      |      |       |   |           |    |      |      |       |   |                             |    |      |      |       |         |          |                         |   |  |  |      |      |      |   |                  |    |      |      |       |   |                 |    |      |      |       |   |               |    |      |      |       |   |                |    |      |      |       |   |           |    |      |      |       |   |                             |    |      |      |       |
| 1       | 66KVA substation   | 75   | 67.1  | 70.3     | 68.48                   |   |  |  |      |      |      |   |                  |    |      |      |       |   |                 |    |      |      |       |   |               |    |      |      |       |   |                |    |      |      |       |   |           |    |      |      |       |   |                             |    |      |      |       |         |          |                         |   |  |  |      |      |      |   |                  |    |      |      |       |   |                 |    |      |      |       |   |               |    |      |      |       |   |                |    |      |      |       |   |           |    |      |      |       |   |                             |    |      |      |       |
| 2       | Opposite shed D  | 75   | 60.4  | 63.6     | 61.67                   |   |  |  |      |      |      |   |                  |    |      |      |       |   |                 |    |      |      |       |   |               |    |      |      |       |   |                |    |      |      |       |   |           |    |      |      |       |   |                             |    |      |      |       |         |          |                         |   |  |  |      |      |      |   |                  |    |      |      |       |   |                 |    |      |      |       |   |               |    |      |      |       |   |                |    |      |      |       |   |           |    |      |      |       |   |                             |    |      |      |       |
| 3       | ETP West site  | 75   | 64.5  | 66.4     | 65.50                   |   |  |  |      |      |      |   |                  |    |      |      |       |   |                 |    |      |      |       |   |               |    |      |      |       |   |                |    |      |      |       |   |           |    |      |      |       |   |                             |    |      |      |       |         |          |                         |   |  |  |      |      |      |   |                  |    |      |      |       |   |                 |    |      |      |       |   |               |    |      |      |       |   |                |    |      |      |       |   |           |    |      |      |       |   |                             |    |      |      |       |
| 4       | ETP North site   | 75   | 58.8  | 60.9     | 59.65                   |   |  |  |      |      |      |   |                  |    |      |      |       |   |                 |    |      |      |       |   |               |    |      |      |       |   |                |    |      |      |       |   |           |    |      |      |       |   |                             |    |      |      |       |         |          |                         |   |  |  |      |      |      |   |                  |    |      |      |       |   |                 |    |      |      |       |   |               |    |      |      |       |   |                |    |      |      |       |   |           |    |      |      |       |   |                             |    |      |      |       |
| 5       | Near TSDF  | 75   | 63.8  | 66.9     | 65.25                   |   |  |  |      |      |      |   |                  |    |      |      |       |   |                 |    |      |      |       |   |               |    |      |      |       |   |                |    |      |      |       |   |           |    |      |      |       |   |                             |    |      |      |       |         |          |                         |   |  |  |      |      |      |   |                  |    |      |      |       |   |                 |    |      |      |       |   |               |    |      |      |       |   |                |    |      |      |       |   |           |    |      |      |       |   |                             |    |      |      |       |
| 6       | Near Main Office North site  | 75   | 65.7  | 69.7     | 67.42                   |   |  |  |      |      |      |   |                  |    |      |      |       |   |                 |    |      |      |       |   |               |    |      |      |       |   |                |    |      |      |       |   |           |    |      |      |       |   |                             |    |      |      |       |         |          |                         |   |  |  |      |      |      |   |                  |    |      |      |       |   |                 |    |      |      |       |   |               |    |      |      |       |   |                |    |      |      |       |   |           |    |      |      |       |   |                             |    |      |      |       |
| Sr. No. | Location   | Permissible Limits, dBA  | Values for the period April 2023 – September 2023 |          |                         |   |  |  |      |      |      |   |                  |    |      |      |       |   |                 |    |      |      |       |   |               |    |      |      |       |   |                |    |      |      |       |   |           |    |      |      |       |   |                             |    |      |      |       |         |          |                         |   |  |  |      |      |      |   |                  |    |      |      |       |   |                 |    |      |      |       |   |               |    |      |      |       |   |                |    |      |      |       |   |           |    |      |      |       |   |                             |    |      |      |       |
|         |  |  | Min.  | Max.     | Avg.                    |   |  |  |      |      |      |   |                  |    |      |      |       |   |                 |    |      |      |       |   |               |    |      |      |       |   |                |    |      |      |       |   |           |    |      |      |       |   |                             |    |      |      |       |         |          |                         |   |  |  |      |      |      |   |                  |    |      |      |       |   |                 |    |      |      |       |   |               |    |      |      |       |   |                |    |      |      |       |   |           |    |      |      |       |   |                             |    |      |      |       |
| 1       | 66KVA substation   | 70   | 52.4  | 59.3     | 56.05                   |   |  |  |      |      |      |   |                  |    |      |      |       |   |                 |    |      |      |       |   |               |    |      |      |       |   |                |    |      |      |       |   |           |    |      |      |       |   |                             |    |      |      |       |         |          |                         |   |  |  |      |      |      |   |                  |    |      |      |       |   |                 |    |      |      |       |   |               |    |      |      |       |   |                |    |      |      |       |   |           |    |      |      |       |   |                             |    |      |      |       |
| 2       | Opposite shed D  | 70   | 50.1  | 52.5     | 51.67                   |   |  |  |      |      |      |   |                  |    |      |      |       |   |                 |    |      |      |       |   |               |    |      |      |       |   |                |    |      |      |       |   |           |    |      |      |       |   |                             |    |      |      |       |         |          |                         |   |  |  |      |      |      |   |                  |    |      |      |       |   |                 |    |      |      |       |   |               |    |      |      |       |   |                |    |      |      |       |   |           |    |      |      |       |   |                             |    |      |      |       |
| 3       | ETP West site  | 70   | 56.9  | 58.9     | 57.75                   |   |  |  |      |      |      |   |                  |    |      |      |       |   |                 |    |      |      |       |   |               |    |      |      |       |   |                |    |      |      |       |   |           |    |      |      |       |   |                             |    |      |      |       |         |          |                         |   |  |  |      |      |      |   |                  |    |      |      |       |   |                 |    |      |      |       |   |               |    |      |      |       |   |                |    |      |      |       |   |           |    |      |      |       |   |                             |    |      |      |       |
| 4       | ETP North site   | 70   | 51.3  | 61.3     | 56.93                   |   |  |  |      |      |      |   |                  |    |      |      |       |   |                 |    |      |      |       |   |               |    |      |      |       |   |                |    |      |      |       |   |           |    |      |      |       |   |                             |    |      |      |       |         |          |                         |   |  |  |      |      |      |   |                  |    |      |      |       |   |                 |    |      |      |       |   |               |    |      |      |       |   |                |    |      |      |       |   |           |    |      |      |       |   |                             |    |      |      |       |
| 5       | Near TSDF  | 70   | 51.4  | 54.3     | 52.70                   |   |  |  |      |      |      |   |                  |    |      |      |       |   |                 |    |      |      |       |   |               |    |      |      |       |   |                |    |      |      |       |   |           |    |      |      |       |   |                             |    |      |      |       |         |          |                         |   |  |  |      |      |      |   |                  |    |      |      |       |   |                 |    |      |      |       |   |               |    |      |      |       |   |                |    |      |      |       |   |           |    |      |      |       |   |                             |    |      |      |       |
| 6       | Near Main Office North site  | 70   | 53.8  | 60.7     | 57.78                   |   |  |  |      |      |      |   |                  |    |      |      |       |   |                 |    |      |      |       |   |               |    |      |      |       |   |                |    |      |      |       |   |           |    |      |      |       |   |                             |    |      |      |       |         |          |                         |   |  |  |      |      |      |   |                  |    |      |      |       |   |                 |    |      |      |       |   |               |    |      |      |       |   |                |    |      |      |       |   |           |    |      |      |       |   |                             |    |      |      |       |
| viii    | <p>Training shall be imparted to all employees on safety and health aspects of chemicals handling.</p>   | <p><b>Complied.</b></p> <p>Company is imparting training to all new employees as well as regular employees at regular intervals. Safety precautions and hazards are also being communicated through display boards at appropriate places in the plants.</p>  |   |          |                         |   |  |  |      |      |      |   |                  |    |      |      |       |   |                 |    |      |      |       |   |               |    |      |      |       |   |                |    |      |      |       |   |           |    |      |      |       |   |                             |    |      |      |       |         |          |                         |   |  |  |      |      |      |   |                  |    |      |      |       |   |                 |    |      |      |       |   |               |    |      |      |       |   |                |    |      |      |       |   |           |    |      |      |       |   |                             |    |      |      |       |



|      |   |   |
|------|---|---|
|      | Pre-employment and routine periodical medical examination for all employees shall be undertaken on regular basis.   | <b>Complied.</b><br>Company is doing all the new employment with pre medical checkup and routine medical checkup for on role employee has been done on regular frequency.   |
| ix   | Usage of PPE's by employee/ workers shall be ensured.   | <b>Complied.</b><br>Company have PPE policy in place and strictly follow for all level of employee.   |
| x    | The project proponent shall also comply with all the environmental protection measures and safeguards proposed in project report submitted to the ministry.   | <b>Complied.</b><br>Company has complied with all the environmental protection measures and safeguards proposed in the report apart from the recommendations made their in.   |
|      | All the recommendation made in respect of environmental management and risk mitigation measures relating to the project shall be implemented.   | <b>Complied.</b><br>Since the project did not require EIA or public hearing, no such recommendations mentioned. However, we are committed for healthy work environment and safe work practices.   |
| xi   | The company will undertake all relevant measures for improving the socio economic condition for the surrounding area, CSR activities will be undertaken by involving local villages and administration. | <b>Complied.</b><br>Company is doing CSR activities for upgradation of surrounding area and well fare of nearby localities.   |
| xii  | The company shall undertake eco developmental measures including community welfare measures in the project area for the overall improvement of the environment.   | <b>Complied</b>   |
| xiii | A Separate environmental management cell equipped with full   | <b>Complied.</b><br>Company has tie up with its parent company Atul Limited where separate Environmental Management Cell equipped with full-fledged laboratory facilities to carry out the environment management and monitoring functions. |



|                             | flagged laboratory facility shall be set up to carry out the environmental management and monitoring function.  |   |        |            |                        |                             |                    |       |                |      |
|-----------------------------|---|---|--------|------------|------------------------|-----------------------------|--------------------|-------|----------------|------|
| xiv                         | The project authorities shall provide adequate funds both recurring and non-recurring to implement the conditions stipulated by the Ministry of Environment and Forest as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purposes. | <p><b>Complied.</b><br/>EMP measures are implemented by 2010.</p> <p><b>Recurring cost:</b><br/>A separate budget is being allocated every year to comply with all the legal requirement stipulated by SPCB, CPCB &amp; MoEF apart from upkeep of pollution control systems and facilities. Total expenditure for the report period is given in below table:</p> <table border="1"> <thead> <tr> <th>Period</th> <th>Particular</th> <th>Expenses Rs. (in lacs)</th> </tr> </thead> <tbody> <tr> <td rowspan="2">April 2023 – September 2023</td> <td>Effluent treatment</td> <td>51.79</td> </tr> <tr> <td>EMS Monitoring</td> <td>0.37</td> </tr> </tbody> </table> | Period | Particular | Expenses Rs. (in lacs) | April 2023 – September 2023 | Effluent treatment | 51.79 | EMS Monitoring | 0.37 |
| Period                      | Particular  | Expenses Rs. (in lacs)  |        |            |                        |                             |                    |       |                |      |
| April 2023 – September 2023 | Effluent treatment  | 51.79   |        |            |                        |                             |                    |       |                |      |
|                             | EMS Monitoring  | 0.37  |        |            |                        |                             |                    |       |                |      |
| xv                          | A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila parishad/Municipal Corporation. Urban local body and the local NGO, if any, from who suggestions/representation, if any, were received while processing the proposal.  | <b>Complied.</b><br>Latest submission to the Panchayat, Zila parishad, District Industrial Centre was distributed on November 11, 2016. Copy of the same was submitted to Ministry vide our letter Atul/SHE/MoEF/Visit/3 dated April 4, 2017  |        |            |                        |                             |                    |       |                |      |
|                             | The clearance letter shall also be put on the web site of the company by the proponent.   | <b>Complied.</b><br>Available at company's website <a href="http://www.atulbio.co.in">www.atulbio.co.in</a>   |        |            |                        |                             |                    |       |                |      |
| xvi                         | The implementation of the project vis-à-vis environmental action plan shall be monitored by Ministry's Regional office at Bhopal / SPCB / CPCB.   | <b>Complied.</b><br>SPCB and MoEF is monitoring through their regular visits.   |        |            |                        |                             |                    |       |                |      |
| xvii                        | The Project Proponent   | <b>Complied.</b>  |        |            |                        |                             |                    |       |                |      |



|       |  |   |
|-------|--|---|
|       | shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at website of the Ministry of Environment and Forest at <a href="http://www.envfor.nic.in">http://www.envfor.nic.in</a> .                     | We informed the public through advertisement and by sending our EC to local Panchayat, Zila parishad, District Industrial Centre for further actions at their end.  |
|       | This shall be advertised within seven days from the date of issue of the clearance letter at least in two local newspaper that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Ministry's Regional office at Bhopal. | Complied.<br>Advertisement was published and copy of the same was submitted to Ministry vide our letter Atul/SHE/MoEF/Visit/3 dated April 4, 2017.  |
| xviii | The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closures and final approval of the project by the concerned authorities and the date of start of the project.  | Complied.<br>Start date : April 2009<br>Completion date : March 2010<br>Final approval: We have obtained NOC and CCA from GPCB.<br>Company has funded the project internally and hence not submitted the financial closure details. |
| 9     | The Ministry may revoke or suspend the clearance if implementation of any of the above conditions is not satisfactory.   | Noted.  |



|    |   |        |
|----|---|--------|
| 10 | The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.   | Noted. |
| 11 | Any appeal against this Environment clearance shall lie with the national appellate authority, if preferred, within a period of 30 days as prescribed under section 11 of National Environment Appellate Authority Act, 1997.   | Noted. |
| 12 | The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 the Air ((Prevention and Control of Pollution) Act, 1981 the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules. | Noted. |



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Period: April 2023 to September 2023

Table 1: Quality of Treated Effluent

| Sr. No. | Parameter                 | Results    |          |           |           |             |                | GPCB Norms |
|---------|---------------------------|------------|----------|-----------|-----------|-------------|----------------|------------|
|         |                           | April 2023 | May 2023 | June 2023 | July 2023 | August 2023 | September 2023 |            |
| 1       | pH                        | 7.15       | 6.98     | 6.92      | 7.12      | 6.93        | 6.89           | 5.5 to 9.0 |
| 2       | Temperature               | 30.6       | 31.2     | 31.6      | 31.4      | 30.4        | 30.8           | 40 °C      |
| 3       | Suspended solids mg/l     | 42         | 57       | 51        | 41        | 61          | 54             | 100        |
| 4       | Oil and Grease mg/l       | 5.4        | 4.6      | 3.9       | 2.8       | 3.4         | 4.2            | 10         |
| 5       | Phenolic Compounds        | 0.72       | 0.89     | 0.73      | 0.62      | 0.82        | 0.76           | 5          |
| 6       | Cyanides mg/l             | ND         | ND       | ND        | ND        | ND          | ND             | 0.2        |
| 7       | Fluorides mg/l            | 0.75       | 0.94     | 1.02      | 1.24      | 0.99        | 0.74           | 2          |
| 8       | Sulphides mg/l            | 0.6        | 0.42     | 0.36      | 0.4       | 0.8         | 0.4            | 2          |
| 9       | Ammonical Nitrogen mg/l   | 9.4        | 5.97     | 8.14      | 7.23      | 6.85        | 8.24           | 50         |
| 10      | Arsenic mg/l              | ND         | ND       | ND        | ND        | ND          | ND             | 0.2        |
| 11      | Total Chromium mg/l       | 0.062      | 0.089    | 0.093     | 0.081     | 0.096       | 0.13           | 2          |
| 12      | Hexavalent Chromium mg/l  | ND         | ND       | ND        | ND        | ND          | ND             | 1          |
| 13      | Copper mg/l               | 0.17       | 0.22     | 0.25      | 0.35      | 0.41        | 0.32           | 3          |
| 14      | Lead mg/l                 | ND         | ND       | ND        | ND        | ND          | ND             | 2          |
| 15      | Mercury mg/l              | ND         | ND       | ND        | ND        | ND          | ND             | 0.01       |
| 16      | Nickel mg/l               | 0.17       | 0.2      | 0.19      | 0.26      | 0.19        | 0.21           | 5          |
| 17      | Zinc mg/l                 | 0.56       | 0.67     | 0.58      | 0.84      | 0.91        | 0.54           | 15         |
| 18      | Cadmium mg/l              | ND         | ND       | ND        | ND        | ND          | ND             | 2          |
| 19      | Phosphate mg/l            | 1.62       | 1.94     | 2.06      | 1.85      | 2.18        | 2.41           | 5          |
| 20      | BOD (3 days at 27°C) mg/l | 48         | 74       | 61        | 58.3      | 47.17       | 48.13          | 100        |
| 21      | COD mg/l                  | 206        | 226      | 224       | 212       | 232         | 212            | 250        |
| 22      | Insecticide/Pesticide     | Absent     | Absent   | Absent    | Absent    | Absent      | Absent         | Absent     |
| 23      | Sodium Absorption Ratio   | 4.45       | 5.24     | 7.39      | 5.01      | 4.6         | 5.8            | 26         |
| 24      | Manganese mg/l            | 0.082      | 0.093    | 0.11      | 0.16      | 0.24        | 0.13           | 2          |
| 25      | Tin mg/l                  | ND         | ND       | ND        | ND        | ND          | ND             | 0.1        |



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|   |                |  |  |  |  |  |  |   |
|---|----------------|--|--|--|--|--|--|---|
| 26                                      | Bio Assay Test | 100% survival of fish after 96 hrs. in 100% effluent | 100% survival of fish after 96 hrs. in 100% effluent | 100% survival of fish after 96 hrs. in 100% effluent | 100% survival of fish after 96 hrs. in 100% effluent | 100% survival of fish after 96 hrs. in 100% effluent | 100% survival of fish after 96 hrs. in 100% effluent | 90% survival of fish after 96 hrs. in 100% effluent |
| <p><b>Note:</b> ND is Not Detected.</p> |                |  |  |  |  |  |  |   |

Table 2: Stack Results

| Stack attached to | Stack Height in Meter | Parameter       | Permissible limit      | Results in Milligram per Nm <sup>3</sup> |          |           |           |             |                |
|-------------------|-----------------------|-----------------|------------------------|--|----------|-----------|-----------|-------------|----------------|
|                   |                       |                 |                        | April 2023                               | May 2023 | June 2023 | July 2023 | August 2023 | September 2023 |
| MPP1              | 12 M                  | HCl             | 20 mg/ Nm <sup>3</sup> | 5.03                                     | 5.18     | 4.93      | 5.24      | 5.24        | 6.37           |
|                   |                       | Cl <sub>2</sub> | 9 mg/ Nm <sup>3</sup>  | 4.9                                      | 4.40     | 4.80      | 5.10      | 5.10        | 6.20           |

Table 3: Ambient Air Monitoring Details

| Station            | Parameter         | Limit µg/NM <sup>3</sup> | April 2023 | May 2023 | June 2023 | July 2023 | August 2023 | September 2023 |
|--------------------|-------------------|--------------------------|------------|----------|-----------|-----------|-------------|----------------|
| Near MPP I Plant   | PM <sub>2.5</sub> | 60                       | 56.8       | 55.3     | 57.9      | 54.9      | 52.8        | 49.1           |
|                    | PM <sub>10</sub>  | 100                      | 91.4       | 91.8     | 96.2      | 89.6      | 91.4        | 96.3           |
|                    | SO <sub>2</sub>   | 80                       | 14.3       | 16.2     | 15.8      | 13.6      | 11.5        | 15.8           |
|                    | NO <sub>2</sub>   | 80                       | 27.4       | 26.4     | 28.2      | 30.2      | 25.2        | 31.6           |
|                    | CO                | 02                       | 0.58       | 0.48     | 0.40      | 0.32      | 0.24        | 0.80           |
| Near MPP 2 Plant   | PM <sub>2.5</sub> | 60                       | 53.7       | 50.9     | 53.2      | 50.7      | 49.3        | 44.7           |
|                    | PM <sub>10</sub>  | 100                      | 83.4       | 83.1     | 91.7      | 85.2      | 88.5        | 81.8           |
|                    | SO <sub>2</sub>   | 80                       | 13.1       | 12.4     | 13.2      | 13.1      | 10.8        | 13.7           |
|                    | NO <sub>2</sub>   | 80                       | 26.6       | 21.7     | 27.1      | 28.4      | 27.1        | 24.9           |
|                    | CO                | 02                       | 0.64       | 0.52     | 0.54      | 0.54      | 0.30        | 0.45           |
| 66 KV              | PM <sub>2.5</sub> | 60                       | 50         | 49       | 26        | 22        | 26          | 27             |
|                    | PM <sub>10</sub>  | 100                      | 59         | 82       | 50        | 48        | 58          | 60             |
|                    | SO <sub>2</sub>   | 80                       | 24.4       | 18.4     | 13.3      | 15.7      | 19.7        | 20.7           |
|                    | NO <sub>2</sub>   | 80                       | 30.7       | 22.9     | 18.2      | 26.5      | 29.1        | 30.4           |
| Opposite Shed D    | PM <sub>2.5</sub> | 60                       | 32.4       | 51.7     | 32.6      | 32.9      | 32.8        | 31.9           |
|                    | PM <sub>10</sub>  | 100                      | 52.3       | 89.6     | 55.5      | 53.6      | 60.8        | 60.8           |
|                    | SO <sub>2</sub>   | 80                       | 23.9       | 24.6     | 16.7      | 20.7      | 19.3        | 16.9           |
|                    | NO <sub>2</sub>   | 80                       | 30.5       | 30.5     | 22.2      | 29.7      | 28.9        | 29.8           |
| Near West site ETP | PM <sub>2.5</sub> | 6                        | 30         | 39       | 29        | 29        | 30          | 32             |
|                    | PM <sub>10</sub>  | 100                      | 52         | 78       | 43        | 55        | 60          | 51             |





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|                         |                   |     |      |      |      |      |      |      |
|-------------------------|-------------------|-----|------|------|------|------|------|------|
|                         | SO <sub>2</sub>   | 80  | 26.9 | 20.3 | 11.5 | 16.8 | 14.9 | 16.9 |
|                         | NO <sub>2</sub>   | 80  | 32.6 | 25.4 | 16.3 | 21.6 | 23.7 | 26.7 |
| Near North ETP          | PM <sub>2.5</sub> | 60  | 32   | 45   | 27   | 25   | 24   | 26   |
|                         | PM <sub>10</sub>  | 100 | 49   | 80   | 46   | 43   | 46   | 47   |
|                         | SO <sub>2</sub>   | 80  | 18.9 | 23.4 | 14.2 | 12.4 | 15.7 | 16.8 |
|                         | NO <sub>2</sub>   | 80  | 25.5 | 27.9 | 19.1 | 27.1 | 26.4 | 25.7 |
| TSDF                    | PM <sub>2.5</sub> | 60  | 29   | 43   | 24   | 27   | 28   | 29   |
|                         | PM <sub>10</sub>  | 100 | 56   | 79   | 53   | 51   | 49   | 50   |
|                         | SO <sub>2</sub>   | 80  | 19.3 | 17.6 | 12.3 | 16.4 | 13.4 | 12.9 |
|                         | NO <sub>2</sub>   | 80  | 26.1 | 22.2 | 17.3 | 23.6 | 28.9 | 30.7 |
| Main Guest House        | PM <sub>2.5</sub> | 60  | 36.9 | 50.8 | 32.5 | 32.9 | 33.4 | 32.9 |
|                         | PM <sub>10</sub>  | 100 | 58.3 | 88.6 | 53.3 | 55.4 | 60.4 | 59.7 |
|                         | SO <sub>2</sub>   | 80  | 30.4 | 24.6 | 15.5 | 16.4 | 19.3 | 20.7 |
|                         | NO <sub>2</sub>   | 80  | 25.3 | 29.8 | 19.3 | 26.7 | 27.1 | 22.6 |
| Wyeth Colony            | PM <sub>2.5</sub> | 60  | 28   | 44   | 22   | 30   | 32   | 30   |
|                         | PM <sub>10</sub>  | 100 | 41   | 72   | 48   | 54   | 56   | 54   |
|                         | SO <sub>2</sub>   | 80  | 23.4 | 21.6 | 12.9 | 17.7 | 16.7 | 17.6 |
|                         | NO <sub>2</sub>   | 80  | 28.8 | 26.9 | 18   | 20.1 | 22.3 | 29.7 |
| Gram panchayat hall     | PM <sub>2.5</sub> | 60  | 36.5 | 48.7 | 32.6 | 31.9 | 34.6 | 30.6 |
|                         | PM <sub>10</sub>  | 100 | 59.3 | 88.6 | 52.3 | 53.7 | 62.3 | 61.8 |
|                         | SO <sub>2</sub>   | 80  | 26.4 | 23.7 | 15.6 | 17.3 | 20.7 | 19.3 |
|                         | NO <sub>2</sub>   | 80  | 32.6 | 29.4 | 22.3 | 26.8 | 29.8 | 29.6 |
| Main office, North site | PM <sub>2.5</sub> | 60  | 33.4 | 60.2 | 29.3 | 29.6 | 30.7 | 31.9 |
|                         | PM <sub>10</sub>  | 100 | 56.7 | 88.1 | 55.3 | 58.7 | 55.9 | 50.3 |
|                         | SO <sub>2</sub>   | 80  | 23.4 | 23.6 | 15.3 | 19.9 | 18.8 | 20.7 |
|                         | NO <sub>2</sub>   | 80  | 32.6 | 27.8 | 18.6 | 26.8 | 29.8 | 29.7 |
| Haria water tank        | PM <sub>2.5</sub> | 60  | 32.6 | 51.3 | 29.4 | 30.6 | 35.6 | 30.8 |
|                         | PM <sub>10</sub>  | 100 | 56.6 | 84.6 | 52.6 | 55.9 | 57.1 | 52.9 |
|                         | SO <sub>2</sub>   | 80  | 30.2 | 23.6 | 17.1 | 17.8 | 18.1 | 18.3 |
|                         | NO <sub>2</sub>   | 80  | 26.6 | 29.8 | 20.3 | 24.1 | 29.8 | 27.9 |

Table 4: VOC results

| Location          | Parameter | Permissible limit      | Results of VOCs |          |           |           |             |                |
|-------------------|-----------|------------------------|-----------------|----------|-----------|-----------|-------------|----------------|
|                   |           |                        | April 2023      | May 2023 | June 2023 | July 2023 | August 2023 | September 2023 |
| Ground Floor MPP2 | Chlorine  | 3 mg / Nm <sup>3</sup> | ND              | ND       | ND        | ND        | ND          | ND             |
|                   | Toluene   | 150 ppm                | 115             | 76       | 100       | 110       | 25          | 38             |



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Table 5: Noise level monitoring data (Day Time)

| Sr. No. | Location                    | Noise Level, dBA |          |           |           |             |                | Permissible Limits, dBA |
|---------|-----------------------------|------------------|----------|-----------|-----------|-------------|----------------|-------------------------|
|         |                             | April 2023       | May 2023 | June 2023 | July 2023 | August 2023 | September 2023 |                         |
| 1       | 66KVA substation            | 67.2             | 68.2     | 67.1      | 68.9      | 69.2        | 70.3           | 75                      |
| 2       | Opposite shed D             | 63.6             | 62.3     | 61.1      | 60.4      | 61.3        | 61.3           | 75                      |
| 3       | West site ETP               | 64.5             | 66.3     | 65.5      | 66.4      | 65.4        | 64.9           | 75                      |
| 4       | North site ETP              | 60.9             | 59.1     | 60.3      | 59.7      | 58.8        | 59.1           | 75                      |
| 5       | Near TSDF                   | 65.9             | 66.9     | 65.2      | 64.3      | 63.8        | 65.4           | 75                      |
| 6       | Near main office North site | 66.3             | 69.7     | 68.4      | 65.7      | 66.3        | 68.1           | 75                      |

Table 6: Noise level monitoring data (Night Time)

| Sr. No. | Location                    | Noise Level, dBA |          |           |           |             |                | Permissible Limits, dBA |
|---------|-----------------------------|------------------|----------|-----------|-----------|-------------|----------------|-------------------------|
|         |                             | April 2023       | May 2023 | June 2023 | July 2023 | August 2023 | September 2023 |                         |
| 1       | 66KVA substation            | 59.2             | 58.4     | 59.3      | 53.6      | 52.4        | 53.4           | 70                      |
| 2       | Opposite shed D             | 52.4             | 52.1     | 52.5      | 51.6      | 50.1        | 51.3           | 70                      |
| 3       | West site ETP               | 56.9             | 58.8     | 57.5      | 58.9      | 57.1        | 57.3           | 70                      |
| 4       | North site ETP              | 60.4             | 61.3     | 51.3      | 53.3      | 55.6        | 59.7           | 70                      |
| 5       | Near TSDF                   | 52.6             | 51.4     | 52.3      | 51.7      | 54.3        | 53.9           | 70                      |
| 6       | Near main office North site | 56.9             | 58.8     | 57.3      | 53.8      | 59.2        | 60.7           | 70                      |