Attached herewith are

- Check list – Industrial Projects for EC
- Summary format for EC
- Form-2 Application for prior Environmental Clearance
Check list – Industrial Projects

For submission of Environmental Clearance applications

[Appraisal cases]

- Provide authenticated (with stamp & Signature) hard copy of this check-list during submission of hard copy of ToR/EC application.

<table>
<thead>
<tr>
<th>Sr. no.</th>
<th>Particulars</th>
<th>Tick mark as applicable</th>
<th>Page no. of application</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>EIA report as per the TOR granted by SEIAA and as per the generic structure given in Appendix III of EIA Notification 2006.</td>
<td>√Yes / No</td>
<td>Attached</td>
</tr>
<tr>
<td>2</td>
<td>Form-2 Application for Prior Environmental Clearance as prescribed by MoEF&amp;CC as per OM dated 20/04/2018.</td>
<td>√Yes / No</td>
<td>Attached with EIA report</td>
</tr>
<tr>
<td>3</td>
<td>Documents related to Land ownership included in EIA report</td>
<td>√Yes / No</td>
<td>Attached as Annexure-II in EIA report, pg. no. 309.</td>
</tr>
</tbody>
</table>
| 4       | For 5 (f) category  
  - Project site is located within GIDC  
  - If No, Compliance of following conditions  
    ➢ Water consumption < 25 KLD  
    ➢ Fuel Consumption <25 MTPD  
    ➢ Non-MAH Unit                                                                                                                                       | √Yes / No                | Project Site is located within GIDC |
| 5       | Contact details Mobile no. and e-Mail ID included in Application                                                                                                                                              | √Yes / No                | Pg. no. 1 of summary format |
| 6       | Format prescribed by SEAC [Salient features of the project] included with application.                                                                                                                         | √Yes / No                | Attached with EIA Report |
| 7       | General Condition applicability  
  (1) Protected areas notified under the Wildlife (Protection) Act, 1972;  
  (2) CEPI areas  
  (3) Eco-sensitive areas and                                                                                                                        | Yes / √No                | Not applicable           |
<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>(4) Inter-state boundaries and international boundaries; are not located within 5 km or 10 km (as the case may be) area from the boundary of the proposed site.</td>
<td></td>
<td>Certified compliance report from MoEF&amp;CC is enclosed as Annexure-1 of EIA report (Pg. no. 266)</td>
</tr>
</tbody>
</table>
| 8 | Compliance status of existing project (In case of expansion) included in EIA report i.e.  
- Compliance report from MoEF&CC or GPCB or CPCB as per the MOEFCC’s Circular dated 07/09/2017. | Yes / No |
|   | Violation of EIA Notification 2006 (Yes or No) | Yes / No |
| 9 | Product profile with CAS no./CI no. | Yes / No |
| 10 | Raw Material details and manufacturing process of all products with CAS no. / CI no. | Yes / No |
| 11 | Spent Acids (H2SO4, HCl etc.) generation. | Yes / No |
| 12 | If Yes, it is considered as Haz. Waste? | Yes / No |
| 13 | Source of water, Water balance included in EIA report.  
- Permission letter to obtain fresh water  
- Waste water management,  
- Membership certificate of common facility (CETP, CMEE, CSD etc.) | Yes / No |
|   | Source of water, water balance is given on pg. no. 76-78 of EIA report.  
- Wastewater management is |   |
<table>
<thead>
<tr>
<th>No.</th>
<th>Item</th>
<th>Response</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>Flue gas &amp; process gas emission details <strong>Included</strong> in Form-1</td>
<td>√Yes / No</td>
<td>Pg. no. 80 &amp; 81 of chapter-2, of EIA report.</td>
</tr>
<tr>
<td>15</td>
<td>Hazardous waste generation and its management as per the HW Rules 2016 included in Form-1</td>
<td>√Yes / No</td>
<td>Pg. no. 81-82 &amp; 87 of chapter -2 of EIA report.</td>
</tr>
<tr>
<td>16</td>
<td>Spent solvent generation</td>
<td>√Yes / No</td>
<td>Pg. no. 81-82 of chapter -2 of EIA report.</td>
</tr>
<tr>
<td>17</td>
<td>If, yes Management of spent solvent included in application?</td>
<td>√Yes / No</td>
<td>Pg. no. 87 of chapter -2 of EIA report.</td>
</tr>
</tbody>
</table>
| 18  | Details of Public hearing and time bound compliance with details of budgetary provision included in EIA report.  
      (In case of public hearing is applicable)                         | Yes / √No| Public hearing is not applicable |
| 19  | Documents regarding Accreditation of EIA Consultant are included in EIA report. | √Yes / No| NABET Accreditation of EIA Consultant is included in EIA report as Annexure-VII, pg. no. 416. |
| 20  | Undertaking of project proponent and EIA Consultant regarding EIA report are included in EIA report. | √Yes / No| Undertaking of project proponent & EIA consultant is included in EIA report. |
21. Environmental Management Plan (EMP) report and details of financial outlay & year wise break up is included in EIA report.  

| √Yes / No | EMP is included in EIA report as Chapter-10, pg. no. 230. Budgetary allocation details are given in pg. no. 243 of EIA report. |

22. Greenbelt details with budgetary outlay included in EIA report.  

| √Yes / No | Included in EIA report, pg. no. 236. |

23. Declaration by experts (Name, qualification, area of work, designation etc.) contributing to the EIA Report is included.  

| √Yes / No | Included in EIA report, pg. no. 262. |

24. Compliance of MoEFCC’s OM dated 01/05/2018 regarding “Corporate Environment Responsibility” (CER).  

| √Yes / No | EIA report, pg. no. 222. |

Above details are true to the best of my knowledge and I am abided to respect the decision of the SEIAA/SEAC if above information stands wrong in the future and also agree to initiated the legal proceedings against my project.

**Name & designation of the Applicant:**  
Mr. Ghanshyam G Harsoda (Director)

**Stamp & Signature of Applicant:**

**Date:** 17.01.19
# Project details

- **Synthetic Organic Chemicals** 5(f)
- For appraisal - Environmental Clearance [EC]
- **Expansion of Project**

1. **Basic Information of the Project:**

<table>
<thead>
<tr>
<th></th>
<th>Name &amp; Address of the Project site</th>
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</thead>
<tbody>
<tr>
<td>i</td>
<td>M/s. Nira life sciences Pvt. Ltd.</td>
</tr>
<tr>
<td></td>
<td>Plot no. 6-9, GIDC-Bamanbore, Chotila, Surendranagar- 363520</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Name of the Applicant</th>
</tr>
</thead>
<tbody>
<tr>
<td>ii</td>
<td>Mr. Ghanshyam G Harsoda</td>
</tr>
<tr>
<td></td>
<td>(Director)</td>
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</table>

<table>
<thead>
<tr>
<th></th>
<th>Address for correspondence</th>
</tr>
</thead>
<tbody>
<tr>
<td>iii</td>
<td>Plot no. 6-9, GIDC-Bamanbore, Chotila, Surendranagar- 363520</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Contact no. and e-mail ID of the Applicant</th>
</tr>
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<tbody>
<tr>
<td>iv</td>
<td>Mo. no.: 9662674245</td>
</tr>
<tr>
<td></td>
<td>e-Mail: <a href="mailto:niralifesciences@gmail.com">niralifesciences@gmail.com</a></td>
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</table>

<table>
<thead>
<tr>
<th></th>
<th>Aerial distance of nearest Habitat (KM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>v</td>
<td>Bamanbore- 2.0 km</td>
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</table>

<table>
<thead>
<tr>
<th></th>
<th>Longitude &amp; Latitude of the Project Site:</th>
</tr>
</thead>
<tbody>
<tr>
<td>vi</td>
<td>Latitude: 22°24’10.16”N</td>
</tr>
<tr>
<td></td>
<td>Longitude: 71°01’13.56”E</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th></th>
<th>Category as per the Schedule to the EIA Notification 2006 i.e. 1(d), 2(b), 5(f) etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>vii</td>
<td>5 (f) Synthetic Organic Chemicals</td>
</tr>
<tr>
<td></td>
<td><strong>Sub-Category:</strong> B</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Applicability of General Conditions of EIA Notification 2006:</th>
</tr>
</thead>
<tbody>
<tr>
<td>viii</td>
<td>Ensure that</td>
</tr>
<tr>
<td></td>
<td>(1) Protected areas notified under the Wildlife (Protection) Act, 1972;</td>
</tr>
<tr>
<td></td>
<td>(2) CEPI areas</td>
</tr>
<tr>
<td></td>
<td>(3) Eco-sensitive areas and</td>
</tr>
<tr>
<td></td>
<td>(4) Inter-state boundaries and international boundaries; are not located within 5 km or 10 km (as the case may be) area from the boundary of the proposed site.</td>
</tr>
<tr>
<td></td>
<td>N.A.</td>
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</tbody>
</table>
Online application& PH reg.:

| a) Date of SEAC meeting for recommendation to grant TOR: | 14/06/2018 |
| b) Online application proposal no. : | SIA/GJ/IND2/22943/2018 |
| c) Date online acceptance of EC application by SEAC: | -- |
| e) Date of Public Hearing (If applicable): | Not applicable |
| f) Date of presentation for Appraisal: | -- |

2. Product profile:

<table>
<thead>
<tr>
<th>Sr. no.</th>
<th>Name of the Products</th>
<th>CAS no.</th>
<th>Quantity, MT/Month</th>
<th>End-use of the products</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Existing</td>
<td>Proposed</td>
</tr>
<tr>
<td>(A)</td>
<td>EC-products</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.</td>
<td>Closantel</td>
<td>57808-65-8</td>
<td>5.0</td>
<td>10.0</td>
</tr>
<tr>
<td>2.</td>
<td>Gabapentin</td>
<td>60142-96-3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Itopride Hydrochloride</td>
<td>122892-31-3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>Nitazoxanide</td>
<td>55981-09-4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>Pregabalin</td>
<td>148553-50-8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>Rafoxanide</td>
<td>22662-39-1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>Valproic Acid</td>
<td>1069-66-5</td>
<td>25.0</td>
<td>75.0</td>
</tr>
<tr>
<td>8.</td>
<td>Niclosamide</td>
<td>50-65-7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>Mefenamic acid</td>
<td>61-68-7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td>Tinidazole</td>
<td>19387-91-8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11.</td>
<td>Ofloxacin</td>
<td>82419-36-1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12.</td>
<td>Oxyclozanide</td>
<td>2277-92-1</td>
<td></td>
<td></td>
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<tr>
<td>13.</td>
<td>Benfotiamine</td>
<td>22457-89-2</td>
<td>0.0</td>
<td>10.0</td>
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<td>14.</td>
<td>Tolfenamic Acid</td>
<td>13710-19-5</td>
<td>0.0</td>
<td>10.0</td>
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<td>15.</td>
<td>Flunixin Meglumine</td>
<td>42461-84-7</td>
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<td></td>
</tr>
<tr>
<td>16.</td>
<td>Sodium Valproate</td>
<td>1069-66-5</td>
<td>0.0</td>
<td>25.0</td>
</tr>
<tr>
<td>17.</td>
<td>Divalproex Sodium</td>
<td>76584-70-8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18.</td>
<td>Magnesium Valproate</td>
<td>62959-43-7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>19.</td>
<td>Calcium Valproate</td>
<td>33433-82-8</td>
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<td></td>
</tr>
<tr>
<td>20.</td>
<td>R &amp; D drugs</td>
<td>--</td>
<td>0.0</td>
<td>2.0</td>
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<tr>
<td></td>
<td>Total</td>
<td></td>
<td>30.0</td>
<td>132.0</td>
</tr>
</tbody>
</table>

(B) Non-EC Products

<table>
<thead>
<tr>
<th>Sr. no.</th>
<th>Name of the Products</th>
<th>CAS no.</th>
<th>Quantity, MT/Month</th>
<th>End-use of the products</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.</td>
<td>Potassium Chloride</td>
<td>7440-09-7</td>
<td>10.0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td></td>
<td>10.0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total (A+B)</td>
<td></td>
<td>40.0</td>
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</table>

The project falls under Category B of project activity 5(f) as per the schedule of EIA Notification 2006.
3. **Product wise Raw material consumption:**

<table>
<thead>
<tr>
<th>Sr. no.</th>
<th>Name of the Products</th>
<th>Name of the Raw Materials</th>
<th>CAS no. of raw materials</th>
<th>Quantity MT/MT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Existing</td>
<td>Proposed</td>
</tr>
<tr>
<td>1.</td>
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<td>2-Hydroxy-3,5-diodobenzoic Acid</td>
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<td>0.644</td>
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<tr>
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<td>Thionyl Chloride</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Mono Chloro Benzene</td>
<td>108-90-7</td>
<td>0.060</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(4-amino-2-chloro-5-methyl phenyl)(4-chlorophenyl) acetonitrile</td>
<td>--</td>
<td>0.481</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acetone</td>
<td>67-64-1</td>
<td>0.100</td>
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<tr>
<td></td>
<td></td>
<td>Activated Carbon</td>
<td>7440-44-0</td>
<td>0.010</td>
</tr>
<tr>
<td>2.</td>
<td>Gabapentine</td>
<td>Cyclohexane-1,1-di acetic acid mono amide</td>
<td>--</td>
<td>1.330</td>
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<tr>
<td></td>
<td></td>
<td>Sodium Hypochlorite</td>
<td>7681-52-9</td>
<td>3.478</td>
</tr>
<tr>
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<td>Methylene Dichloride</td>
<td>75-09-2</td>
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<tr>
<td></td>
<td></td>
<td>HCl</td>
<td>7647-01-0</td>
<td>0.792</td>
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<td></td>
<td>Activated Carbon</td>
<td>7440-44-0</td>
<td>0.010</td>
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<tr>
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<td>NaOH</td>
<td>1310-73-2</td>
<td>0.243</td>
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<tr>
<td>3.</td>
<td>Itopride Hydrochloride</td>
<td>3, 4-Dimethoxybenzoic acid</td>
<td>93-07-2</td>
<td>0.509</td>
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<tr>
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<td>7719-09-7</td>
<td>0.334</td>
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<td>Toluene</td>
<td>108-88-3</td>
<td>0.080</td>
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<tr>
<td></td>
<td></td>
<td>4(N,N-Dimethyl amino ethoxy)benzyl amine</td>
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<td>0.543</td>
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<td>IPA</td>
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<td>7440-44-0</td>
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<tr>
<td>4.</td>
<td>Nitazoxanide</td>
<td>O-acetyl salicylic acid chloride</td>
<td>5538-51-2</td>
<td>0.724</td>
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<td></td>
<td></td>
<td>2-amino-5-nitro thiazole</td>
<td>121-66-4</td>
<td>0.529</td>
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<td></td>
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<td>THF</td>
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<td>Tri Ethyl Amine</td>
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<tr>
<td></td>
<td></td>
<td>Activated Carbon</td>
<td>7440-44-0</td>
<td>0.010</td>
</tr>
<tr>
<td>5.</td>
<td>Pregabalin</td>
<td>R(-)-3-(Carbamoylmethyl)-5-methylhexanoic acid</td>
<td>181289-33-8</td>
<td>1.263</td>
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<tr>
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<td>3.515</td>
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<td>Chloroform</td>
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<td>IPA</td>
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<td>6.</td>
<td>Radoxanide</td>
<td>2-Hydroxy-3,5-diodobenzoic acid</td>
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<td>Mono Chloro Benzene</td>
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<td>Acetone</td>
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<td>0.070</td>
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<tr>
<td></td>
<td></td>
<td>Activated Carbon</td>
<td>7440-44-0</td>
<td>0.010</td>
</tr>
<tr>
<td>7.</td>
<td>Valproic Acid</td>
<td>Diethyl Malonate</td>
<td>105-53-3</td>
<td>1.170</td>
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<td></td>
<td></td>
<td>Propyl Bromide</td>
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**Note:** Values are in MT/MT.
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<tr>
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<th>1.178</th>
<th>1.178</th>
<th>1.178</th>
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<td>NaOH</td>
<td>124-41-4</td>
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<td>0.040</td>
<td>0.040</td>
</tr>
<tr>
<td>Sodium Methoxide</td>
<td>7647-01-0</td>
<td>1.892</td>
<td>1.892</td>
<td>1.892</td>
</tr>
</tbody>
</table>

8. **Niclosamide**

<table>
<thead>
<tr>
<th>Compound</th>
<th>5-Chloro-2-Hydroxy Benzoic Acid</th>
<th>Thionyl Chloride</th>
<th>Mono Chloro Benzene</th>
<th>2-Chloro-4-nitro Aniline</th>
<th>Methanol</th>
<th>Activated Carbon</th>
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<tr>
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<td>321-14-2</td>
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9. **Mefenamic Acid**

<table>
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10. **Tinidazole**

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11. **Oflaxacin**

<table>
<thead>
<tr>
<th>Compound</th>
<th>Oxyfluoride Acid</th>
<th>N-Methyl Piperazine</th>
<th>Iso Propyl Alcohol</th>
<th>Activated Carbon</th>
<th>30% NaOH</th>
<th>Activated Carbon</th>
<th>32% HCl</th>
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<tbody>
<tr>
<td></td>
<td>--</td>
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</table>

12. **Oxyclozanide**

<table>
<thead>
<tr>
<th>Compound</th>
<th>3, 5, 6 – Tri chloro Salicylic Acid</th>
<th>Thionyl Chloride</th>
<th>Mono Chloro Benzene</th>
<th>2, 4 –Di chloro – 6- Amino Phenol</th>
<th>Methanol</th>
<th>Activated Carbon</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>40932-60-3</td>
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13. **Benfotiamine**

<table>
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<tr>
<th>Compound</th>
<th>Thiamine Hydrochloride</th>
<th>Tri Butyl Amine</th>
<th>Chloroform</th>
<th>Phosphoric Acid</th>
<th>Phosphorus Pentoxide</th>
<th>Benzoyl Chloride</th>
<th>30% HCl</th>
<th>Sodium Hydroxide solution</th>
<th>Methanol</th>
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<td>76-03-8</td>
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<td></td>
<td></td>
</tr>
<tr>
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<td>Magnesium Valproate</td>
<td>Valproic acid</td>
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<td>Mg(OH)₂</td>
<td>1309-42-8</td>
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<tr>
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<td>Valproic acid</td>
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<td>Ca(OH)₂</td>
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4. Compliance status of the existing project:

<table>
<thead>
<tr>
<th>Sr. no.</th>
<th>Particulars</th>
<th>Brief Information/Details</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Earlier EC details</td>
<td>• Unit has obtained valid EC vide order no. SEIAA/GUJ/EC/5(f)/407/2016, dated 17.06.2016 Copy of same is uploaded as Annexure XI of EIA report.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>In case of EC not obtained, Copy of CTE &amp;CCA obtained before 14.09.2006.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Compliance of EC conditions</td>
<td>Compliance of EC condition is attached as Annexure-I.</td>
<td>Annexure-I (Page # 305) of EIA report</td>
</tr>
<tr>
<td>3</td>
<td>Status of inspection by RO-MoEF&amp;CC, Bhopal. i.e. CCR-Certified Compliance Report</td>
<td>Copy of CCR-Certified Compliance Report by RO-MoEF&amp;CC, Bhopal is uploaded as Annexure–I of EIA report.</td>
<td>Annexure-I (Page # 266-307) of EIA report</td>
</tr>
<tr>
<td>4</td>
<td>Status of submission of half yearly returns to concern authorities.</td>
<td>We regularly submitting half yearly return to concern authorities.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Copy of CC&amp;A and Compliance of existing CC&amp;A Conditions.</td>
<td>Unit has valid consent vide order no. AWH-61094 valid up to 21.01.2019 Copy of CC&amp;A and its Compliance is enclosed as with EIA report.</td>
<td>Annexure-X (Page # 440-446) of EIA report</td>
</tr>
<tr>
<td>6</td>
<td>Legal actions/Closure directions/SCN etc. Issued by GPCB and its current status. For last 3 years</td>
<td>Enclosed as Annexure-IX of EIA report.</td>
<td>Annexure-IX (Page # 420-438) of EIA report</td>
</tr>
<tr>
<td>7</td>
<td>Any Public Complaints</td>
<td>No public complain</td>
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<tr>
<td>8</td>
<td>Is there any litigation pending before any court of Law against the Project?</td>
<td>No</td>
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</table>

5. Salient features of the project including Water, Air and Hazardous waste management:

<table>
<thead>
<tr>
<th>Sr. no.</th>
<th>Particulars</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Total cost of Proposed Project (Rs. in Crores):</td>
<td>Existing: 1.92 Crores Proposed: 5.15 Crores Total: 7.07 Crores</td>
</tr>
<tr>
<td>B</td>
<td>Total Plot area (sq. meter)</td>
<td>Existing: 4979.98 Sq. m. Proposed: -- Total: 4979.98 Sq. m.</td>
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</table>
### Green belt area

<table>
<thead>
<tr>
<th>Area</th>
<th>Existing: 600 Sq. m.</th>
<th>Proposed: 1043 Sq. m.</th>
<th>Total: 1643 Sq. m.</th>
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</thead>
</table>

### Employment generation

<table>
<thead>
<tr>
<th>Category</th>
<th>Existing: 30</th>
<th>Proposed: 40</th>
<th>Total: 70</th>
</tr>
</thead>
</table>

### Water

#### i. Source of Water Supply

- (GIDC Bore well, Surface water, Tanker supply etc...)
- GIDC Water supply

<table>
<thead>
<tr>
<th>Status of permission from the concern authority.</th>
<th>Permission is obtained from GIDC.</th>
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</thead>
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#### ii. Water consumption (KLD)

<table>
<thead>
<tr>
<th>Category</th>
<th>Existing KLD</th>
<th>Proposed (Additional) KLD</th>
<th>Total after Expansion KLD</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>(A) Domestic</td>
<td>1.5</td>
<td>4.5</td>
<td>6.0</td>
<td>Fresh</td>
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<tr>
<td>(B) Gardening</td>
<td>3.0</td>
<td>5.0</td>
<td>8.0</td>
<td>Reuse</td>
</tr>
<tr>
<td>(C) Industrial</td>
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<td></td>
<td></td>
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<tr>
<td>Process</td>
<td>4.25</td>
<td>6.75</td>
<td>11.0</td>
<td>Fresh</td>
</tr>
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<td>Washing</td>
<td>0.1</td>
<td>2.9</td>
<td>3.0</td>
<td>Fresh</td>
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<td>Boiler</td>
<td>7.5</td>
<td>4.5</td>
<td>12.0</td>
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</tr>
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<td>Cooling</td>
<td>2.0</td>
<td>8.0</td>
<td>10.0</td>
<td>Reuse</td>
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<td>Others (Scrubber)</td>
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<td><strong>Industrial Total</strong></td>
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<tr>
<td><strong>Grand Total (A+B+C)</strong></td>
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<td>43.65</td>
<td>62.0</td>
<td>--</td>
</tr>
</tbody>
</table>

1) **Total water requirement** for the project: 62.0 KLD
2) **Quantity to be recycled**: 30 KLD
3) **Total fresh water requirement**: 32.0 KLD

#### iii. Waste water generation (KLD)

<table>
<thead>
<tr>
<th>Category</th>
<th>Existing KLD</th>
<th>Proposed (Additional) KLD</th>
<th>Total after Expansion KLD</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>(A) Domestic</td>
<td>1.0</td>
<td>3.5</td>
<td>4.5</td>
<td></td>
</tr>
<tr>
<td>(B) Industrial</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Process</td>
<td>5.7</td>
<td>11.3</td>
<td>17.0</td>
<td></td>
</tr>
<tr>
<td>Washing</td>
<td>0.1</td>
<td>2.9</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>Boiler</td>
<td>0.5</td>
<td>1.0</td>
<td>1.5</td>
<td></td>
</tr>
<tr>
<td>Cooling</td>
<td>0.2</td>
<td>2.8</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>Others</td>
<td>0.0</td>
<td>7.0</td>
<td>7.0</td>
<td></td>
</tr>
<tr>
<td><strong>Total Industrial waste water</strong></td>
<td><strong>6.50</strong></td>
<td><strong>25.0</strong></td>
<td><strong>31.5</strong></td>
<td></td>
</tr>
</tbody>
</table>
### iv
**Treatment facility within premises with capacity [For existing and Proposed]**

[In-house ETP (Primary, Secondary, Tertiary), MEE, Stripper, Spray Dryer, STP etc.]

- **ETP (Primary Treatment, Cap. – 35 KLD), RO (Cap. – 2.0 KL/Hr) and MEE (18 KLD)**

### v
**Mode of Disposal & Final meeting point**

- **Domestic**: Sewage will be disposed of into soak pit though septic tank.
- **Industrial**: Entire quantity of effluent will be treated in ETP followed by RO. RO reject will be followed to MEE. RO permeate (20 KL/day) and MEE condensate (10 KL/day) will be reused in utility, washing and scrubber. Thus, unit is achieving ZLD.

### vi
**In case of Common facility (CF) like CETP, Common Spray dryer, Common MEE, CHWIF etc.**

- **Name of Common facility**: --
- **Membership of Common facility (CF)**

(For waste water treatment) **NA**

### vii
**Simplified water balance diagram with reuse / recycle of waste water**

![Water Balance Diagram]

**Total water consumption**

62.0 KLD (32.0 KLD Fresh water + 30.0 KLD* recycle)

**Domestic**: 6.0

- Soak pit 4.5
- 30% (NH₄)₂SO₄ 3.9
- NaBr 35% 4.0

**Process 11**: 17

- Water retained with RN 13.9
- 5.0* HCl Reuse 7.0

**Scrubber**: 12.0

**Washing**: 3.0

**Utility**: 22.0*

- Boiler 12
- Cooling 10.0

**Greenbelt**: 8.0*

**Process 11**: 17 + 7.0 + 3.0 + 1.5 + 3.0 = **31.5**

**ETP**

**RO**: 31.5

- 20* Permeate reuse

**MEE**: 11.5

- 10.0* Condensate for reuse

**0.4 Salt Ton**

1.1 Loss
**Reuse/Recycle details (KLD)**

[Source of reuse & application area]

**Total reuse: 30 KLD**

<table>
<thead>
<tr>
<th>Source of waste water for reuse with quantity in KLD</th>
<th>Application area with quantity in KLD</th>
<th>Remarks regarding feasibility to reuse i.e. w/w characteristics (COD, BOD, TDS etc.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total: 30 KLD (20 KLD RO permeate and 10 KLD MEE condensate)</td>
<td>Treated water reused in utilities, washing and scrubber.</td>
<td>Quality of reuse water is given in following table. Mention quality easily use for utilities without any adverse impact on product quality.</td>
</tr>
</tbody>
</table>

**Characteristic of recycle water (RO permeate and MEE condensate)**

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Parameters</th>
<th>Unit</th>
<th>RO permeate</th>
<th>MEE condensate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>pH</td>
<td>pH Unit</td>
<td>7.5</td>
<td>7.2</td>
</tr>
<tr>
<td>2.</td>
<td>SS</td>
<td>mg/L</td>
<td>&lt;25</td>
<td>&lt;25</td>
</tr>
<tr>
<td>3.</td>
<td>TDS</td>
<td>mg/L</td>
<td>&lt;150</td>
<td>&lt;50</td>
</tr>
<tr>
<td>4.</td>
<td>COD</td>
<td>mg/L</td>
<td>&lt;10</td>
<td>&lt;100</td>
</tr>
</tbody>
</table>

Volume (lit/day) 20000 10000

**Air**

**Flue gas emission details**

No. of Boilers/TFH/Furnaces/DG sets etc. with capacities viz. TPH, Kcal/hr, MT/hr, KVA etc.

**Existing & Proposed**

**Existing**

<table>
<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>1.</td>
<td>Boiler (1 TPH)</td>
<td>18</td>
<td>Bio Coal</td>
<td>1.0 MT/day</td>
<td>PM, SO₂, NOₓ</td>
<td>Multi Cyclone Dust Collector &amp; Bag Filter</td>
</tr>
<tr>
<td>2.</td>
<td>DG Set-62.5 KVA (stand By)</td>
<td>6</td>
<td>Diesel</td>
<td>10 lit/hr.</td>
<td></td>
<td>--</td>
</tr>
</tbody>
</table>

Boiler and D.G sets will be dismantled after expansion.

**Proposed**

<table>
<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>1.</td>
<td>Boiler (2.5 TPH)</td>
<td>18</td>
<td>Bio-coal</td>
<td>2.5 MT/day</td>
<td>PM&lt;150 mg/Nm³ SO₂&lt;100 ppm NOₓ&lt;50 ppm</td>
<td>Multi Cyclone Dust Collector &amp; Bag Filter</td>
</tr>
<tr>
<td>2.</td>
<td>DG Set - 320 KVA</td>
<td>11</td>
<td>Diesel</td>
<td>60 lit/hr</td>
<td></td>
<td>--</td>
</tr>
</tbody>
</table>

**Process gas i.e. Type of pollutant gases (SO₂, HCl, NH₃, Cl₂, NOₓ etc.)**

**Existing & Proposed**

<table>
<thead>
<tr>
<th>Sr. no.</th>
<th>Specific Source of emission (Name of the Product &amp; Type of emission)</th>
<th>Stack/Vent</th>
<th>Air Pollution Control Measures (APCM)</th>
</tr>
</thead>
</table>
### Fugitive emission details with its mitigation measures.

In proposed activities, there will be chances of generation of VOCs, acid fumes from material handling area, process area & solvent storage. There will be also changes of generation of PM (Dust) from packing/finishing area, vehicular movement.

To control fugitive emission, following steps will be implemented:
- Entire process will be carried out in closed reactors.
- Pneumatically transfer of liquid raw material in rector.
- Pumps with mechanical seals will be provided to prevent leakages.
- Raw material will be stored in the covered structure.
- Regular maintenance of valves, pipes etc.
- PPEs will be provided to the workers.
- All internal roads will be paved/concreted to reduce fugitive emission during vehicular movement.
- Frequent work area monitoring will be done to ensure fugitive emission level.
- Greenbelt will be developed to arrest the fugitive emission.

### Hazardous waste

(as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016)

<table>
<thead>
<tr>
<th>Sr. no.</th>
<th>Type/Name of Hazardous waste</th>
<th>Specific Source of generation (Name of the Activity, Product etc.)</th>
<th>Category and Schedule as per HW Rules.</th>
<th>Quantity (MT/Annum)</th>
<th>Management of HW</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Existing</td>
<td>Proposed</td>
<td>Total</td>
</tr>
<tr>
<td>1</td>
<td>ETP Sludge + MEE Salt</td>
<td>ETP</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>0.1 MT/month</td>
<td>5.9 MT/month</td>
<td>6.0 MT/month</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>--</td>
<td>10.0 Mt/month</td>
<td>10.0 Mt/month</td>
</tr>
<tr>
<td>2</td>
<td>Discarded Containers/Barrels</td>
<td>Raw material storage</td>
<td>5.0 Mt/Year</td>
<td>31.0 Mt/Year</td>
<td>36.0 Mt/Year</td>
</tr>
<tr>
<td>3</td>
<td>Used Spent Oil</td>
<td>Machineries</td>
<td>0.115 Mt/year</td>
<td>0.385 Mt/year</td>
<td>0.500 Mt/year</td>
</tr>
</tbody>
</table>

---

* Scrubber will be modified as per design parameters after expansion.
<p>| | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>4.</td>
<td>Spent catalyst/Spent carbon</td>
<td>Process</td>
<td>28.2</td>
<td>18.2 MT/year</td>
<td>1.8 MT/year</td>
</tr>
<tr>
<td>5.</td>
<td>Distillation residue</td>
<td>Process</td>
<td>20.3</td>
<td>2.5 Mt/month</td>
<td>2.3 Mt/month</td>
</tr>
<tr>
<td>6.</td>
<td>Spent solvent</td>
<td>Process</td>
<td>28.6</td>
<td>50 M/month</td>
<td>46 Mt/month</td>
</tr>
<tr>
<td>7.</td>
<td>HCl (25-28%)</td>
<td>Process of Closantel, Ilopride Hydrochloride, Rafoxanide, Niclosamide, Oxyclonanide, Benfotiamine</td>
<td>--</td>
<td>--</td>
<td>125.0 Mt/Month</td>
</tr>
<tr>
<td>8.</td>
<td>Off specification/dated products</td>
<td>--</td>
<td>28.4 &amp; 28.5</td>
<td>Whatsoever generated</td>
<td>Collection, Storage, Transportation, Disposal at approved CHWIF.</td>
</tr>
<tr>
<td>9.</td>
<td>NaBr (30-35%)</td>
<td>Process of Valproic Acid</td>
<td>--</td>
<td>--</td>
<td>100 MT/month</td>
</tr>
<tr>
<td>10.</td>
<td>(NH₄)₂SO₄ (30% solution)</td>
<td>Process of Tinidazole</td>
<td>--</td>
<td>24.44 MT/month</td>
<td>73.06 MT/month</td>
</tr>
</tbody>
</table>

**ii** Membership details of **TSDF, CHWIF etc.** (For HW management)

**iii** Details of Non-Hazardous waste & its disposal (MSW and others)

**G** Solvent management, VOC emissions etc.

**i** Types of solvents, Details of Solvent recovery, % recovery. reuse of recovered Solvents
- Acetone, Toluene, Iso propyl alcohol, Methanol, THF, Chloroform, DMF, MIBK is used as solvents.
- Self-reflux condenser will be provided with dual valve system. At the end of reaction solvent will be collected in receiving tank and reuse in next batch.

### ii VOC emission sources and its mitigation measures

- Closed handling & charging system will be provided.
- Reflux condenser will be provided for chemicals.
- Mechanical seals to pumps will be provided to prevent leakages.
- Regular monitoring of VOCs will be done.

### 6. Details regarding EIA report:

<table>
<thead>
<tr>
<th>Sr. no.</th>
<th>Particulars</th>
<th>Details (Give brief note / Conclusion of the particular subject)</th>
<th>Page no., Section no. &amp; chapter no. of EIA report</th>
</tr>
</thead>
<tbody>
<tr>
<td>a</td>
<td>Ensure that there is no change in EIA report w. r. t ToR i.e. Form-1 &amp; PFR</td>
<td>----</td>
<td>----</td>
</tr>
<tr>
<td>c</td>
<td>Baseline study area (Km)</td>
<td>10 km radius</td>
<td>Page no. 92 of Section 3.2, of Chapter-3.</td>
</tr>
<tr>
<td>d</td>
<td>No. of AAQM stations including project site</td>
<td>8 locations, refer table no. 3.11</td>
<td>Page no. 115, Table 3.11 of Chapter-3.</td>
</tr>
</tbody>
</table>

**Conclusion of the Monitoring (Baseline study) Air, Water & Land**

- Parameters considered for AAQM including project specific parameters.
  - PM\(_{10}\), PM\(_{2.5}\), SO\(_2\), NO\(_x\), CO, Hydro Carbon (Methane & Non Methane), VOC (as Benzene, Toluene & Xylene), HCl and HF

<table>
<thead>
<tr>
<th>Sr. no.</th>
<th>Parameters</th>
<th>Range of Concentrations ((\mu g/m^3))</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>PM(_{10})</td>
<td>54.5 – 77.0</td>
<td>The results of AAQM is within the norms prescribed in NAAQS.</td>
</tr>
<tr>
<td>2</td>
<td>PM(_{2.5})</td>
<td>28.8 – 50.8</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>SO(_2)</td>
<td>9.2 – 21.4</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>NO(_x)</td>
<td>12.6 – 24.4</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>CO</td>
<td>1296 – 1418</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>H</td>
<td>1142 – 1310</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>VOC (as BTX)</td>
<td>0.86 – 4.06</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>HCl</td>
<td>BDL</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>HF</td>
<td>BDL</td>
<td></td>
</tr>
</tbody>
</table>

- Whether the results of AAQM is within the norms prescribed in NAAQS?
  - Yes

Page no. 116 to 121, Table 3.12-3.17 of Chapter-3.
<table>
<thead>
<tr>
<th></th>
<th>Comments for AAQM results w. r. t. NAAQS</th>
<th>The results are within the norms prescribed in NAAQS.</th>
<th>Page no. 116 to 121, Table 3.12-3.17 of Chapter-3.</th>
</tr>
</thead>
<tbody>
<tr>
<td>g</td>
<td>Software used for the mathematical Modelling for anticipated incremental GLCs (Ground Level Concentrations)</td>
<td>ISCST3</td>
<td>Page no. 147 &amp; 148, Section 4.4.1, of Chapter-4.</td>
</tr>
<tr>
<td>h</td>
<td>The resultant concentrations w. r. t. NAAQS and its conclusion.</td>
<td>After contribution of highest 24-hourly average GLCs value of SPM (1.964 µg/m³), SO₂ (0.972 µg/m³), NOx (0.829 µg/m³), HCl (0.233 µg/m³) and HF (0.233 µg/m³) GLCs are within the prescribed National Ambient Air Quality Standards (NAAQS).</td>
<td>Page no. 159, Table 4.2 of Chapter-4.</td>
</tr>
<tr>
<td>i</td>
<td>Suggested mitigation measures w. r. t. Air</td>
<td>To control resulting flue gas emission Multi Cyclone Dust Collector &amp; Bag Filter are/will be installed as an APCM for Boiler. Water and alkali scrubber will be installed to control process emission.</td>
<td>Page no. 147, Section 4.4 (b), of Chapter-4.</td>
</tr>
<tr>
<td>j</td>
<td>Conclusion of the Monitoring during baseline study of water</td>
<td>The result of water samples are within the norms prescribed in BIS.</td>
<td>Page no. 104-105, Section 3.10.3-3.10.6 of Chapter-3.</td>
</tr>
<tr>
<td>k</td>
<td>Suggested mitigation measures w. r. t. Water</td>
<td>ETP-RO-MEE will be operated regularly and ZLD will be achieved.</td>
<td>Page no. 151, Section 4.5 (b), of Chapter-4.</td>
</tr>
<tr>
<td>l</td>
<td>Conclusion of the Monitoring during baseline study of Land</td>
<td>No anomalies observed.</td>
<td>Page no. 127, Table 3.24 of Chapter-3.</td>
</tr>
<tr>
<td>m</td>
<td>Suggested mitigation measures w. r. t. Land</td>
<td>Entire quantity of hazardous waste will be handled and disposed as per Hazardous and other Wastes (Management &amp; Transboundary Movement) Rules, 2016.</td>
<td>Page no. 153, Section 4.7 (b), of Chapter-4.</td>
</tr>
<tr>
<td>n</td>
<td>Conclusion of the Monitoring during baseline study of Noise</td>
<td>The result of noise is within the norms prescribed in ambient standards in respect of noise.</td>
<td>Page no. 105-106, Section 3.11, of Chapter-3.</td>
</tr>
<tr>
<td>o</td>
<td>Suggested mitigation measures w. r. t. Noise</td>
<td>Oiling/lubrication &amp; preventive maintenance will be done to reduce noise generation at source. However, at places where noise levels may</td>
<td>Page no. 152, Section 4.6 (b), of Chapter-4.</td>
</tr>
<tr>
<td>q</td>
<td>Main issues in Public hearing <em>(If applicable)</em></td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>-----------------------------------------------</td>
<td>----------------</td>
<td></td>
</tr>
<tr>
<td>r</td>
<td>Brief description of Public hearing <em>(If applicable)</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Main Issues raised by stake holders</strong></td>
<td><strong>Commitments by Project proponent and action plan.</strong></td>
<td></td>
</tr>
<tr>
<td>s</td>
<td>Major hazardous chemicals and worst case scenario considered in Risk Analysis report.</td>
<td>Acetone, Ammonia, Benzyl Chloride, Chloroform, Hydrochloric acid, Iso Propyl Alcohol, Methanol, MIBK (Methyl Iso Butyl Ketone), Phosphoric Acid, Sulphuric Acid, TEA (Triethyl Amine), Tetra hydro furan, Thionyl Chloride, Toluene major hazardous chemicals and worst case scenario is incorporated in Chapter-7 of EIA report.</td>
<td>Storage of Haz. Chemicals are given in Page no. 179, Table 7.1 of Chapter-7. Worst case scenario is given in Page no. 189, Section 7.10 of Chapter-7. Quantitative risk assessment &amp; consequence analysis is provided in Page no 190-195, “Part B” of Chapter-7.</td>
</tr>
<tr>
<td></td>
<td>Comments/Suggestions/mitigation measures in brief</td>
<td>Detailed RA is provided in Chapter 7.</td>
<td></td>
</tr>
<tr>
<td>t</td>
<td>An undertaking by the Project Proponent (PP) on the ownership of the EIA report as per the OM of MoEF&amp;CC dated 05/10/2011 and an undertaking by the Consultant regarding the prescribed TORs have been complied with and the data submitted is factually correct as per the OM of MoEF&amp;CC dated 04/08/2009.</td>
<td>Included in EIA report.</td>
<td>Included as Annexure-III (Page no 311) and Annexure-VIII (Page no 418) in the EIA report.</td>
</tr>
<tr>
<td>u</td>
<td>Any other details:</td>
<td>---</td>
<td></td>
</tr>
</tbody>
</table>
7. Details of Environmental Consultant:

<table>
<thead>
<tr>
<th>Sr. no.</th>
<th>Particulars</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>i</td>
<td>Name of the Consultant</td>
<td>San Envirotech Pvt. Ltd., Ahmedabad</td>
</tr>
<tr>
<td>ii</td>
<td>Contact no. and e-mail ID of the</td>
<td>Mo. no.: 9825007201</td>
</tr>
<tr>
<td></td>
<td>Consultant</td>
<td>e-Mail: <a href="mailto:mahendra.sepl@gmail.com">mahendra.sepl@gmail.com</a></td>
</tr>
<tr>
<td>iii</td>
<td>Accreditation for the categories and</td>
<td>5(f) category is covered in accreditation certificate NABET/EIA/1619/RA0084</td>
</tr>
<tr>
<td></td>
<td>Validity</td>
<td>Validity of accreditation: 23.12.201</td>
</tr>
<tr>
<td>iv</td>
<td>Any other details</td>
<td>---</td>
</tr>
</tbody>
</table>

Name & designation of the Applicant: Mr. Ghanshyam G Harsoda (Director)

Stamp & Signature of Applicant:

Date: 17/01/2019

General Instructions

- Format shall be in WORD Format *(Font type- Arial, Font size- 11)*
- Do not change Format. Fill up your details / information in prescribed tables.
- Provide authenticated (with stamp & Signature) hard copy during presentation.
- Kindly send e-mail to: seacgujarat@gmail.com
- Above data shall be as per application Form-1 & PFR.
- Incorporate relevant details in respective column in the Format. Do not attach Annexure except copy of Certificates etc.
**Form-2**

**Application for prior Environmental Clearance**

<table>
<thead>
<tr>
<th>1</th>
<th>Details of project</th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td>Name of the project(s) :</td>
</tr>
<tr>
<td>c.</td>
<td>Registered Address :</td>
</tr>
<tr>
<td>d.</td>
<td>Legal Status of the Company :</td>
</tr>
<tr>
<td>e.</td>
<td>Joint Venture (Yes/No) :</td>
</tr>
<tr>
<td>(i)</td>
<td>No. of JV Partners <em>(Multiple Entries Allowed)</em> :</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name of the JV Partner</th>
<th>Share of the JV Partner</th>
<th>Address of the JV Partner</th>
<th>Email Id of JV Partner</th>
<th>Mobile No. of JV Partner</th>
</tr>
</thead>
<tbody>
<tr>
<td>N.A.</td>
<td>N.A.</td>
<td>N.A.</td>
<td>N.A.</td>
<td>N.A.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2</th>
<th>Address for the correspondence</th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td>Name of the applicant :</td>
</tr>
<tr>
<td>b.</td>
<td>Designation (Owner/Partner/CEO) :</td>
</tr>
<tr>
<td>c.</td>
<td>Address :</td>
</tr>
<tr>
<td>d.</td>
<td>Pin code :</td>
</tr>
<tr>
<td>e.</td>
<td>e-mail :</td>
</tr>
<tr>
<td>f.</td>
<td>Telephone No. :</td>
</tr>
<tr>
<td>g.</td>
<td>Fax No. :</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3</th>
<th>Category of the Project/Activity as per Schedule of EIA Notification,2006</th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td>Project/Activity [1(a)(i)/1(a)(ii)/1(b)/1(c)/1(d)/1(e)/2(a)/2(b)/3(a)/3(b)/4(a) /4(b)/4(b)/4(c)/4(d)/4(e)/4(f)/5(a)/5(b)/5(c)/5(d)/5(e) /5(f)/5(g)/5(h)/5(i)/5(j)/6(a)/6(b)/7(a)/7(b)/7(c)/7(d)/7(da) /7(e)/7(f)/7(g)/7(h)/7(i)/8 (a)/8 (b)] :</td>
</tr>
</tbody>
</table>

| b. | Category (A/B1/B2) : | B1 |
| If B1 or B2 : | -- |

| Reason for application at Central Level/ State level (in case of B2 project) : | The unit is situated within the designated notified industrial area developed by GIDC. |
| c. | Please Specify : | -- |
| d. | EAC concerned (for category A Projects only) (Coal Mining/ Non-coal Mining/ Thermal/River Valley & Hydro/Industry-I/Industry-II/Infrastructure-I/ Infrastructure-II/Nuclear & defense/CRZ) : | Industry-II |

| e. | New/ Expansion / Modernization/One Time Capacity expansion (only for Coal Mining) / Expansion under Para 7(ii)/Modernization under Para 7(iii)/Change of Product : | Expansion |
## Location of the Project

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td>Plot/Survey/Khasra No.</td>
</tr>
<tr>
<td>b.</td>
<td>Village</td>
</tr>
<tr>
<td>c.</td>
<td>Tehsil</td>
</tr>
<tr>
<td>d.</td>
<td>District</td>
</tr>
<tr>
<td>e.</td>
<td>State</td>
</tr>
<tr>
<td>f.</td>
<td>Pin Code</td>
</tr>
<tr>
<td>g.</td>
<td>Bounded Latitudes (North)</td>
</tr>
<tr>
<td>h.</td>
<td>Bounded Longitudes (East)</td>
</tr>
<tr>
<td>i.</td>
<td>Survey of India Topo Sheet No.</td>
</tr>
<tr>
<td>j.</td>
<td>Upload Topo Sheet File (Upload pdf only)</td>
</tr>
<tr>
<td>k.</td>
<td>Maximum Elevation Above Means Sea Level (AMSL)</td>
</tr>
<tr>
<td>l.</td>
<td>Upload (kml) File (Upload kml only)</td>
</tr>
<tr>
<td>m.</td>
<td>Distance of Nearest HFL from the project boundary within the study area:</td>
</tr>
<tr>
<td>n.</td>
<td>Seismic Zone (Zone: 1 / 2 / 3 / 4 / 5)</td>
</tr>
</tbody>
</table>

## Whether project is executed in multiple States (Yes / No)? No, Only Gujarat

### If Yes

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td>Number of States in which Project will be Executed (e.g. 1,2,3,4,5,6)</td>
</tr>
<tr>
<td>b.</td>
<td>Main State of the Project</td>
</tr>
<tr>
<td>c.</td>
<td>Other State (Multiple Entries Allowed) (If the project to be executed, does not belong to any state, then state category could be selected as 'Other')</td>
</tr>
</tbody>
</table>

### Details of Terms of Reference (ToR)

<table>
<thead>
<tr>
<th>State</th>
<th>District</th>
<th>Tehsil</th>
<th>Village</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gujarat</td>
<td>Surendranagar</td>
<td>Chotila</td>
<td>Bamanbore</td>
</tr>
</tbody>
</table>

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td>Whether ToR is mandatory for submitting application (Yes/No)?</td>
</tr>
<tr>
<td>If yes</td>
<td></td>
</tr>
<tr>
<td>b.</td>
<td>Date of issue of ToR / Standard ToR</td>
</tr>
<tr>
<td>c.</td>
<td>MoEF&amp;CC/SEIAA File No.</td>
</tr>
<tr>
<td>d.</td>
<td>Upload ToR letter (PDF only)</td>
</tr>
</tbody>
</table>

## Details of Public Consultation

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td>Whether the Project Exempted from Public Hearing (Yes/No)?</td>
</tr>
<tr>
<td>If Yes,</td>
<td></td>
</tr>
<tr>
<td>Reason</td>
<td>The unit is situated</td>
</tr>
</tbody>
</table>
within the designated notified industrial area developed by GIDC.

b. Supporting Document *(upload pdf only)* : NA

c. Whether details of Public Hearing available *(Yes/No)*? : NA

If No,
d. Reason thereof : NA

Supporting Document *(upload pdf only)*

If Yes,
e. Date of Advertisement of Public Hearing : NA

f. Copy of advertisement in English *(Upload PDF only)* : NA

g. Whether Public hearing was presided over by an officer of the rank of Additional District Magistrate or above *(Yes/No)*? : NA

If yes

h. Designation of Presiding Officer (District Magistrate / District Collector/ Deputy Commissioner/others - please specify) : NA

i. Copy of duly signed Proceedings of Public Hearing in English *(Upload pdf only)* : NA

j. Date of Public Hearing : NA

k. Venue of Public Hearing

Village

Tehsil

District

State

l. Distance of Public Hearing Venue from the Proposed Project (km) : NA

m. No. of people attended : NA

n. If the multiple public hearings conducted : NA

Pl give the details of each PH as per (e) to (o) above

8 Details of Project Configuration / Product (Multiple Entries Allowed)

a. Whether the project is New *(Yes/No)*? : No

If yes,

b. Project Configuration : As per below table

<table>
<thead>
<tr>
<th>Plant /Equipment/ Facility</th>
<th>Configuration</th>
<th>Remarks if any</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Product/Activity (Capacity/Area)</th>
<th>Quantity</th>
<th>Unit</th>
<th>Mode of Transport /Transmission of Product</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

- Unit: (Tons per Annum (TPA), Mega Watt (MW), Hectares (ha), Kilo Litre per Day (KLD), Tons Crushed per Day (TCD), Cubic Meter per Day, Kilometers (Km), Million Liters per Day (MLD), Others –Tons per Month (TPM))
- Mode of Transport/Transmission of Product (Road, Rail, Conveyor Belt, Pipe Conveyor, Arial Ropeway, combination of two or three modes, Others)

9 If Expansion/Modernization/One Time Capacity expansion (only for Coal Mining) / Expansion under Clause 7(ii)/Modernization under Clause 7(ii) / Change of Product Mix under Clause 7(ii)) – Not Applicable
### a. Details of environmental clearance granted earlier

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>(i) Date of issue of environmental clearance</td>
<td>N.A.</td>
</tr>
<tr>
<td>(ii) MoEFCC/SEIAA File Number</td>
<td>N.A.</td>
</tr>
<tr>
<td>(iii) Upload EC Letter</td>
<td>N.A.</td>
</tr>
</tbody>
</table>

### b. Details of certified report on compliance of earlier environmental clearance conditions

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>(i) Details of Regional Office of MoEFCC/Zonal Office of CPCB/SPCB/UTPCC from which certified report on compliance of earlier environmental clearance conditions obtained</td>
<td>N.A.</td>
</tr>
<tr>
<td>(ii) Letter No</td>
<td>N.A.</td>
</tr>
<tr>
<td>(iii) Status of Compliance</td>
<td>N.A.</td>
</tr>
<tr>
<td>(iv) Certified report on compliance of earlier environmental clearance conditions (Including Monitoring Report) (Upload pdf only)</td>
<td>N.A.</td>
</tr>
<tr>
<td>(v) Date of site visit</td>
<td>N.A.</td>
</tr>
</tbody>
</table>

### c. Details of Consent to Operate

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>(i) Whether Consent to operate obtained (Yes/No)?</td>
<td>Yes</td>
</tr>
<tr>
<td>(ii) Upload Copies of all Consent to operate obtained since inception (Upload pdf only)</td>
<td>Uploaded with EIA report.</td>
</tr>
<tr>
<td>(iii) Date of issue</td>
<td>23/08/2016</td>
</tr>
<tr>
<td>(iv) Valid up to</td>
<td>21/01/2019</td>
</tr>
<tr>
<td>(v) File No.</td>
<td>--</td>
</tr>
<tr>
<td>(vi) Application No.</td>
<td>--</td>
</tr>
<tr>
<td>(vii) Upload Copy of Consent to operate valid as on date (Upload pdf only)</td>
<td>Uploaded with EIA report.</td>
</tr>
</tbody>
</table>

### d. Details of Capacity Expansion (Multiple Entries Allowed)

<table>
<thead>
<tr>
<th>Product/ Activity (Capacity/ Area)</th>
<th>Quantity From</th>
<th>Quantity To</th>
<th>Unit</th>
<th>Mode of Transport / Transmission of Product</th>
</tr>
</thead>
<tbody>
<tr>
<td>(A) EC-products</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Closantel</td>
<td>5.0</td>
<td>15.0</td>
<td>MTM</td>
<td>Road</td>
</tr>
<tr>
<td>Gabapentin</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Itopride Hydrochloride</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nitazoxanide</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pregabalin</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rafoxanide</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Valproic Acid</td>
<td>25.0</td>
<td>100.0</td>
<td>MTM</td>
<td>Road</td>
</tr>
<tr>
<td>Niclosamide</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mefenamic acid</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tinidazole</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ofloxacin</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oxyclozanide</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Benfotiamine</td>
<td>0.0</td>
<td>10.0</td>
<td>MTM</td>
<td>Road</td>
</tr>
<tr>
<td>Tolfenamic Acid</td>
<td>0.0</td>
<td>10.0</td>
<td>MTM</td>
<td>Road</td>
</tr>
<tr>
<td>Flunixin Meglumine</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant / Equipment / Facility</td>
<td>Existing Configuration</td>
<td>Proposed Configuration</td>
<td>Final configuration after expansion</td>
<td>Remarks if Any</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>------------------------</td>
<td>------------------------</td>
<td>------------------------------------</td>
<td>----------------</td>
</tr>
<tr>
<td>Glass lined reactor</td>
<td>3 KL</td>
<td>--</td>
<td>3 KL</td>
<td>1 No.</td>
</tr>
<tr>
<td></td>
<td>--</td>
<td>5 KL</td>
<td>5 KL</td>
<td>1 No.</td>
</tr>
<tr>
<td></td>
<td>--</td>
<td>6.3KL</td>
<td>6.3KL</td>
<td>3 Nos.</td>
</tr>
<tr>
<td>SS reactor</td>
<td>5 KL</td>
<td>--</td>
<td>5 KL</td>
<td>1 No.</td>
</tr>
<tr>
<td></td>
<td>3 KL</td>
<td>--</td>
<td>3 KL</td>
<td>2 No.</td>
</tr>
<tr>
<td></td>
<td>--</td>
<td>4 KL</td>
<td>4 KL</td>
<td>1 No.</td>
</tr>
<tr>
<td></td>
<td>--</td>
<td>5KL</td>
<td>5KL</td>
<td>2 No.</td>
</tr>
<tr>
<td>Blender</td>
<td>3500 Liter</td>
<td>--</td>
<td>3500 Liter</td>
<td>1 No.</td>
</tr>
<tr>
<td></td>
<td>--</td>
<td>5000 Liter</td>
<td>5000 Liter</td>
<td>1 No.</td>
</tr>
<tr>
<td>Fluid bed dryer</td>
<td>120 Kgs</td>
<td>--</td>
<td>120 Kgs</td>
<td>1 No.</td>
</tr>
<tr>
<td>Rotary Vacumm dryer</td>
<td>--</td>
<td>2000 Liter</td>
<td>2000 Liter</td>
<td>1 No.</td>
</tr>
<tr>
<td>Centrifuge</td>
<td>36”</td>
<td>--</td>
<td>36”</td>
<td>1 No.</td>
</tr>
<tr>
<td></td>
<td>48”</td>
<td>--</td>
<td>48”</td>
<td>2 No.</td>
</tr>
<tr>
<td></td>
<td>--</td>
<td>48”</td>
<td>48”</td>
<td>2 No.</td>
</tr>
<tr>
<td>Boiler</td>
<td>1 TPH</td>
<td>2.5 TPH</td>
<td>2.5 TPH</td>
<td>1 No. Existing (dismantled after expansion)</td>
</tr>
<tr>
<td>D.G. Set</td>
<td>62.5 kVA</td>
<td>320 kVA</td>
<td>320 kVA</td>
<td>1 No. Existing (dismantled after expansion)</td>
</tr>
<tr>
<td>RO</td>
<td>10 KLD</td>
<td>--</td>
<td>10 KLD</td>
<td>1 No.</td>
</tr>
<tr>
<td></td>
<td>--</td>
<td>35 KLD</td>
<td>35 KLD</td>
<td>1 No.</td>
</tr>
<tr>
<td>MEE</td>
<td>--</td>
<td>18 KLD</td>
<td>18 KLD</td>
<td>1 No.</td>
</tr>
<tr>
<td>Cooling tower</td>
<td>125 TR</td>
<td>--</td>
<td>125 TR</td>
<td>1 No.</td>
</tr>
<tr>
<td></td>
<td>--</td>
<td>250 TR</td>
<td>250 TR</td>
<td>1 No.</td>
</tr>
</tbody>
</table>
### Project Cost

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>a. Total Cost of the Project at current price level (in Lakhs)</td>
<td>707 Lakhs</td>
</tr>
<tr>
<td></td>
<td>(Existing cost of project is 192 Lakh. Cost of proposed expansion is Rs. 515 Crores.)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>b. Funds Allocated for Environment Management (Capital) (in Lakhs)</td>
<td>65</td>
</tr>
<tr>
<td></td>
<td>c. Funds Allocated Towards ESC (Entrepreneur Social Responsibility) (in Lakhs)</td>
<td>5.15</td>
</tr>
<tr>
<td></td>
<td>d. Funds Allocated for Environment Management Plan (EMP) (Recurring per Annum) (in Lakhs)</td>
<td>65</td>
</tr>
</tbody>
</table>

### Whether project attracts the General Condition specified in the Schedule of EIA Notification (Yes/No)? [provide name of WL/CPA/ESA/Inter-state boundary / International boundary and distance from the project: – Not Applicable]

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>a. Protected Area Notified Under the Wild Life (Protection) Act, 1972</td>
<td>N.A.</td>
</tr>
<tr>
<td></td>
<td>b. Critically Polluted Areas as identified by the Central Pollution Control Board from Time to Time</td>
<td>N.A.</td>
</tr>
<tr>
<td></td>
<td>c. Notified Eco-Sensitive Areas</td>
<td>N.A.</td>
</tr>
<tr>
<td></td>
<td>d. Inter-State Boundaries and International Boundaries</td>
<td>N.A.</td>
</tr>
</tbody>
</table>

### Whether projects attract the Specific Condition specified in the Schedule of EIA Notification (Yes/No)? – Not Applicable

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>a. If any Industrial Estate/Complex/Export processing Zones/Special Economic Zones/Biotech Parks/Leather Complex with homogeneous type of industries such as Items 4(d), 4(f), 5(e), 5(f), or those Industrial estates with pre-defined set of activities (not necessarily homogeneous, obtains prior environmental clearance, individual industries including proposed industrial housing within such estates/complexes will not be required to take prior environmental clearance, so long as the Terms and Conditions for the industrial estate/complex are complied with (Such estates/complexes must have a clearly identified management with the legal responsibility of ensuring adherence to the Terms and Conditions of prior environmental clearance, who may be held responsible for violation of the same throughout the life of the complex/estate)</td>
<td>N.A.</td>
</tr>
</tbody>
</table>

### Raw Material/Fuel Requirement (Multiple Entries Allowed)

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>a. Details of Raw Material / Fuel Requirement</td>
<td></td>
</tr>
</tbody>
</table>
In case of expansion proposals, total requirement of raw material / fuel shall be given
- Unit: (Tons per Annum (TPA), Mega Watt (MW), Hectares (ha), Kilo Letre per Day (KLD), Tons Crushed per Day (TCD), Cubic Meter per Day, Kilometers (Km), Million Liters per Day (MLD), Others)
- Mode of Transport/Transmission of Product (Road, Rail, Conveyor Belt, Pipe Conveyor, Arial Ropeway, combination of two or three modes, Others)


14 Baseline Data (Air / Water / Noise / Soil / Ground water table/ Others)

a. Period of Base Line Data Collection
   From (DD/MM/YYYY) : 01/03/2018
   To (DD/MM/YYYY) : 31/05/2018

b. Season (Summer/Pre-monsoon/Post-monsoon/ Winter) : Summer

c. No. of Ambient Air Quality (AAQ) Monitoring Locations : Eight

d. Details of AAQ Monitoring (Multiple Entries Allowed)

<table>
<thead>
<tr>
<th>Criteria Pollutants</th>
<th>Unit</th>
<th>Maximum Value</th>
<th>Minimum Value</th>
<th>98 Percentile Value</th>
<th>Prescribed Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM10</td>
<td>μg/m³</td>
<td>77.0</td>
<td>54.5</td>
<td>71.4</td>
<td>100</td>
</tr>
<tr>
<td>PM2.5</td>
<td>μg/m³</td>
<td>50.8</td>
<td>28.8</td>
<td>40.6</td>
<td>60</td>
</tr>
<tr>
<td>SO2</td>
<td>μg/m³</td>
<td>21.4</td>
<td>9.2</td>
<td>17.8</td>
<td>80</td>
</tr>
<tr>
<td>NOx</td>
<td>μg/m³</td>
<td>24.4</td>
<td>12.6</td>
<td>20.2</td>
<td>80</td>
</tr>
</tbody>
</table>

- Criteria Pollutants: (PM10, PM2.5, SO2, NOx, Others parameters specific to sector)
- Unit: (Micro Gram per Meter Cube, Nano Gram per Meter Cube, Mili Gram per Meter Cube, NA)

e. No. of Ground Water Monitoring Locations (Multiple Entries Allowed) : Eight

f. Details of Ground Water Monitoring : As per below table.

<table>
<thead>
<tr>
<th>Criteria Pollutants</th>
<th>Unit</th>
<th>Maximum Value</th>
<th>Minimum Value</th>
<th>98 Percentile</th>
<th>Desirable Limit</th>
<th>Maximum Permissible Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>pH Unit</td>
<td>7.65</td>
<td>7.34</td>
<td>7.65</td>
<td>6.5-8.5</td>
<td>No Relaxation</td>
</tr>
<tr>
<td>Color</td>
<td>Co-Pt Unit</td>
<td>Colorless</td>
<td>Colorless</td>
<td>--</td>
<td>5</td>
<td>25</td>
</tr>
<tr>
<td>Conductivity</td>
<td>Micro mhos/cm</td>
<td>1850</td>
<td>1325</td>
<td>1840</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>TDS</td>
<td>mg/L</td>
<td>1275</td>
<td>920</td>
<td>1269</td>
<td>500</td>
<td>2000</td>
</tr>
<tr>
<td>Total Hardness as CaCO₃</td>
<td>mg/L</td>
<td>331</td>
<td>234</td>
<td>328</td>
<td>300</td>
<td>600</td>
</tr>
<tr>
<td>Total Alkalinity</td>
<td>mg/L</td>
<td>352</td>
<td>295</td>
<td>351</td>
<td>200</td>
<td>600</td>
</tr>
<tr>
<td>Sodium as Na⁺</td>
<td>mg/L</td>
<td>394</td>
<td>304</td>
<td>394</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Potassium as K⁺</td>
<td>mg/L</td>
<td>54</td>
<td>39</td>
<td>54</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Calcium as Ca²⁺</td>
<td>mg/L</td>
<td>69</td>
<td>49</td>
<td>69</td>
<td>75</td>
<td>100</td>
</tr>
<tr>
<td>Magnesium as Mg²⁺</td>
<td>mg/L</td>
<td>41</td>
<td>26</td>
<td>40</td>
<td>30</td>
<td>100</td>
</tr>
<tr>
<td>Chlorides as Cl⁻</td>
<td>mg/L</td>
<td>584</td>
<td>418</td>
<td>581</td>
<td>250</td>
<td>1000</td>
</tr>
<tr>
<td>Parameter</td>
<td>Unit</td>
<td>Maximum Value</td>
<td>Minimum Value</td>
<td>98 Percentile Value</td>
<td>Desirable Limit</td>
<td>Maximum Permissible Limit</td>
</tr>
<tr>
<td>---------------------------</td>
<td>----------</td>
<td>---------------</td>
<td>---------------</td>
<td>---------------------</td>
<td>-----------------</td>
<td>---------------------------</td>
</tr>
<tr>
<td>Sulfates as SO₄²⁻</td>
<td>mg/L</td>
<td>79</td>
<td>65</td>
<td>79</td>
<td>200</td>
<td>400</td>
</tr>
<tr>
<td>Fluoride as F</td>
<td>mg/L</td>
<td>0.64</td>
<td>0.51</td>
<td>1</td>
<td>1.0</td>
<td>1.5</td>
</tr>
<tr>
<td>Nitrates as NO₃⁻</td>
<td>mg/L</td>
<td>16</td>
<td>12</td>
<td>16</td>
<td>45</td>
<td>No relaxation</td>
</tr>
<tr>
<td>Phenol</td>
<td>mg/L</td>
<td>&lt;0.001</td>
<td>&lt;0.001</td>
<td>--</td>
<td>0.001</td>
<td>0.002</td>
</tr>
<tr>
<td>Cyanide as CN⁻</td>
<td>mg/L</td>
<td>&lt;0.001</td>
<td>&lt;0.001</td>
<td>--</td>
<td>0.05</td>
<td>No Relaxation</td>
</tr>
<tr>
<td>Arsenic as As</td>
<td>mg/L</td>
<td>&lt;0.01</td>
<td>&lt;0.01</td>
<td>--</td>
<td>0.05</td>
<td>No Relaxation</td>
</tr>
<tr>
<td>Cadmium as Cd</td>
<td>mg/L</td>
<td>&lt;0.01</td>
<td>&lt;0.01</td>
<td>--</td>
<td>0.05</td>
<td>No Relaxation</td>
</tr>
<tr>
<td>Copper as Cu</td>
<td>mg/L</td>
<td>&lt;0.01</td>
<td>&lt;0.01</td>
<td>--</td>
<td>0.05</td>
<td>1.5</td>
</tr>
<tr>
<td>Lead as Pb</td>
<td>mg/L</td>
<td>&lt;0.01</td>
<td>&lt;0.01</td>
<td>--</td>
<td>0.05</td>
<td>No Relaxation</td>
</tr>
<tr>
<td>Manganese as Mn</td>
<td>mg/L</td>
<td>&lt;0.01</td>
<td>&lt;0.01</td>
<td>--</td>
<td>0.1</td>
<td>0.3</td>
</tr>
<tr>
<td>Iron as Fe</td>
<td>mg/L</td>
<td>0.59</td>
<td>0.29</td>
<td>0.57</td>
<td>0.3</td>
<td>0.3</td>
</tr>
<tr>
<td>Total Chromium</td>
<td>mg/L</td>
<td>&lt;0.01</td>
<td>&lt;0.01</td>
<td>--</td>
<td>0.05</td>
<td>No Relaxation</td>
</tr>
<tr>
<td>Zinc as Zn</td>
<td>mg/L</td>
<td>&lt;0.01</td>
<td>&lt;0.01</td>
<td>--</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>% Sodium</td>
<td></td>
<td>70.9</td>
<td>66.5</td>
<td>70.79</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

Criteria Pollutants: - (pH, TSS, TDS, Total Hardness, Chlorides, Fluoride, Heavy Metals, other parameters specific to the sector)
- Unit: (mg/L, NA)

**g. No. of Surface Water Monitoring Locations**: Two

**h. Details of Surface Water Monitoring (Multiple Entries Allowed):**
<table>
<thead>
<tr>
<th>Parameter</th>
<th>Unit</th>
<th>Maximum Value</th>
<th>Minimum Value</th>
<th>98 Percentile Value</th>
<th>Prescribed Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH (5%) Solution</td>
<td>--</td>
<td>7.86</td>
<td>7.34</td>
<td>7.84</td>
<td></td>
</tr>
<tr>
<td>Loss of Ignition</td>
<td>%</td>
<td>9.7</td>
<td>6.1</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>Particle Size</td>
<td>%</td>
<td>28</td>
<td>18</td>
<td>28</td>
<td></td>
</tr>
<tr>
<td>Clay (&lt; 0.002 mm)</td>
<td>%</td>
<td>28</td>
<td>18</td>
<td>28</td>
<td></td>
</tr>
<tr>
<td>Silt (0.002 to 0.075 mm)</td>
<td>%</td>
<td>26</td>
<td>18</td>
<td>26</td>
<td></td>
</tr>
<tr>
<td>Sand (0.075-0.475 mm)</td>
<td>%</td>
<td>27</td>
<td>18</td>
<td>27</td>
<td></td>
</tr>
<tr>
<td>gravel (size &gt; 4.75 mm)</td>
<td>%</td>
<td>35</td>
<td>26</td>
<td>35</td>
<td></td>
</tr>
<tr>
<td>Water Holding Capacity</td>
<td>%</td>
<td>42.4</td>
<td>38.9</td>
<td>42</td>
<td></td>
</tr>
<tr>
<td>Permeability</td>
<td>cm/hr</td>
<td>3.25</td>
<td>2.95</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Bulk Density</td>
<td>g/cm³</td>
<td>1.45</td>
<td>1.4</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Porosity</td>
<td>%</td>
<td>43.3</td>
<td>41.3</td>
<td>43</td>
<td></td>
</tr>
<tr>
<td>Sodium Absorption Ratio</td>
<td>-</td>
<td>7.9</td>
<td>3.86</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>Sodium</td>
<td>mg/kg</td>
<td>428</td>
<td>285</td>
<td>425</td>
<td></td>
</tr>
<tr>
<td>Potassium</td>
<td>mg/kg</td>
<td>207</td>
<td>132</td>
<td>201</td>
<td></td>
</tr>
<tr>
<td>Calcium</td>
<td>mg/kg</td>
<td>269</td>
<td>116</td>
<td>264.80</td>
<td></td>
</tr>
<tr>
<td>Magnesium</td>
<td>mg/kg</td>
<td>113</td>
<td>45</td>
<td>111.74</td>
<td></td>
</tr>
<tr>
<td>Chlorides</td>
<td>mg/kg</td>
<td>610</td>
<td>318</td>
<td>607.62</td>
<td></td>
</tr>
<tr>
<td>Sulphates</td>
<td>mg/kg</td>
<td>228</td>
<td>80</td>
<td>217.92</td>
<td></td>
</tr>
<tr>
<td>Organic Matter</td>
<td>mg/kg</td>
<td>3.78</td>
<td>1.21</td>
<td>3.52</td>
<td></td>
</tr>
<tr>
<td>Available Nitrogen</td>
<td>mg/kg</td>
<td>125</td>
<td>91</td>
<td>124</td>
<td></td>
</tr>
<tr>
<td>Available Phosphorus</td>
<td>mg/kg</td>
<td>112</td>
<td>34</td>
<td>111</td>
<td></td>
</tr>
<tr>
<td>Iron</td>
<td>mg/kg</td>
<td>4.85</td>
<td>2.8</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Manganese</td>
<td>mg/kg</td>
<td>3.05</td>
<td>1.91</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Cation exchange capacity (CEC)</td>
<td>-</td>
<td>4</td>
<td>2.89</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

- Parameter: (pH, N(Nitrogen), P(Phosphorus), K(Potassium), Electric Conductivity)
- Unit: (Millisiemens per Centimeter, Milligram per Litre, Percent, Centimeter per Second, Milliequivalents per 100 Gram, Milligram per Kilogram, Parts per Million, Kilogram per hectare, Others)
### Range of Water Table Pre-Monsoon Season (Meters Below Ground Level (m bgl)):
- **From**: 35
- **To**: 50

### Range of Water Table Post-Monsoon Season (Meters Below Ground Level (m bgl)):
- **From**: 30
- **To**: 45

### Whether Ground Water Intersection will be there (Yes/No)?
- **No**

#### i. Upload Copy of Central Ground Water Authority Letter (Upload pdf only)
- **NA**

#### ii. Letter No.
- **NA**

#### iii. Date of issue
- **NA**

### Details of Water Requirement (During Operation) (Multiple Entries Allowed)

#### a. Details

<table>
<thead>
<tr>
<th>Source</th>
<th>Quantity in KLD</th>
<th>Method of water withdrawal</th>
<th>Distance from source</th>
<th>Mode of Transport</th>
</tr>
</thead>
<tbody>
<tr>
<td>GIDC Water supply</td>
<td>32.0</td>
<td>--</td>
<td>--</td>
<td>Pipeline</td>
</tr>
</tbody>
</table>

- **Source**: Surface /Ground Water /Sea /Others  
- **Mode of Transportation**: Pipeline /Canal /Others  
- **Method of water withdrawal**: Barrage/ Weir/ Intake well/Jackwell/Tube well /Open well/Others

#### b. Upload Copy of Permission from Competent Authority (*Upload pdf only*)
- **Letter No.**: NA
- **Date of issue**: NA

#### c. Permitted quantity
- **NA**

#### d. Whether Desalination is proposed (Yes/ No)
- **No**

#### i. Desalination capacity (KLD)
- **NA**

#### ii. Quality of Brine (KLD)
- **NA**

#### iii. Mode of Disposal of brine
- **NA**

### Waste Water Management (During Operation)

<table>
<thead>
<tr>
<th>Type/ Source</th>
<th>Quantity of waste water Generated (Kilo Litre per Day)</th>
<th>Treatment Capacity (Kilo Litre per Day)</th>
<th>Treatment Method</th>
<th>Mode of Disposal</th>
<th>Quantity of Treated water used in Recycling/ Reuse (Kilo Litre per Day)</th>
<th>Quantity of Discharged Water (Kilo Litre per Day)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td>4.5</td>
<td>--</td>
<td>soak pit</td>
<td>soak pit</td>
<td>00</td>
<td>4.5</td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Process</td>
<td>17.0</td>
<td>35 KLD</td>
<td>Treated in ETP, followed by RO &amp; MEE.</td>
<td>--</td>
<td>30.0</td>
<td>--</td>
</tr>
<tr>
<td>Scrubber</td>
<td>7.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiler</td>
<td>1.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling Tower</td>
<td>3.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Washing</td>
<td>3.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total Industrial</strong></td>
<td><strong>31.5</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Total Waste Water Generation:
- **Total Discharged Water**: 36.0 KLD (domestic wastewater to soak pit)
- **Total Reused Water**: 4.5 KLD (Treated water will be reused)

### Solid Waste Generation Management (Multiple Entries Allowed)

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity per annum</th>
<th>Unit</th>
<th>Distance from Site (KM)</th>
<th>Mode of Transport</th>
<th>Mode of Disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETP Sludge</td>
<td>72 MT</td>
<td></td>
<td>--</td>
<td>Road</td>
<td>Treatment, storage, disposal, facility (TSDF)</td>
</tr>
<tr>
<td>MEE salt</td>
<td>120 MT</td>
<td></td>
<td>--</td>
<td>Road</td>
<td>Treatment, storage, disposal, facility (TSDF)</td>
</tr>
<tr>
<td>Used Oil</td>
<td>6.0 MT</td>
<td></td>
<td>--</td>
<td>Road</td>
<td>Registered recycler</td>
</tr>
<tr>
<td>Discarded containers/Barrels</td>
<td>432 MT</td>
<td></td>
<td>--</td>
<td>Road</td>
<td>Registered recycler</td>
</tr>
<tr>
<td>Spent catalyst/Spent carbon</td>
<td>240 MT</td>
<td></td>
<td>--</td>
<td>Road</td>
<td>Treatment, storage, disposal, facility (TSDF)</td>
</tr>
<tr>
<td>Distillation residue</td>
<td>57.6 MT</td>
<td></td>
<td>--</td>
<td>Road</td>
<td>CHWIF or for co processing in cement industries.</td>
</tr>
<tr>
<td>Spent solvent</td>
<td>1152 MT</td>
<td></td>
<td>--</td>
<td>Road</td>
<td>Reuse in process and/or excess qty. sold to registered recyclers.</td>
</tr>
<tr>
<td>HCl (25-28%)</td>
<td>1500 MT</td>
<td></td>
<td>--</td>
<td>Road</td>
<td>Reuse in Velpronic Acid, Mefanamic Acid, Ofloxacin, Benfotiamine, Tolfenamic Acid in same plant premises.</td>
</tr>
<tr>
<td>Off specification/off dated products</td>
<td>Whatever generated</td>
<td></td>
<td>--</td>
<td>Road</td>
<td>CHWIF</td>
</tr>
<tr>
<td>NaBr</td>
<td>1200 MT</td>
<td></td>
<td>--</td>
<td>Road</td>
<td>Sold to actual end users under Rule-9.</td>
</tr>
<tr>
<td>(NH$_4$)$_2$SO$_4$</td>
<td>1170 MT</td>
<td></td>
<td>--</td>
<td>Road</td>
<td>Sold to actual end users under Rule-9.</td>
</tr>
</tbody>
</table>

- **Item:** (Industrial waste, Municipal Solid waste, Fly ash, Bottom Ash, Hazardous Waste (as per Hazardous and Other Waste Management Rules 2016), E-Waste, Bio-Medical waste, Construction & Demolition waste, Plastic Waste, Others)
- **Unit:** (Tons, Kiloliter)
- **Mode of Disposal:** (Treatment, Storage and Disposal Facility (TSDF), Authorized Recyclers, Landfills, Sanitary Landfills, Others)

### Air Quality Impact Prediction (Multiple Entries Allowed)
<table>
<thead>
<tr>
<th>Criteria Pollutants</th>
<th>Unit</th>
<th>Baseline Concentration</th>
<th>Minimum Value</th>
<th>Incremental Concentration</th>
<th>Total GLC</th>
<th>Prescribed standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM$_{10}$</td>
<td>µg/m³</td>
<td>65.0</td>
<td>54.5</td>
<td>1.964</td>
<td>66.96</td>
<td>100</td>
</tr>
<tr>
<td>PM$_{2.5}$</td>
<td>µg/m³</td>
<td>36.31</td>
<td>28.8</td>
<td>1.964</td>
<td>38.27</td>
<td>60</td>
</tr>
<tr>
<td>SO$_2$</td>
<td>µg/m³</td>
<td>14.03</td>
<td>9.2</td>
<td>0.972</td>
<td>15.0</td>
<td>80</td>
</tr>
<tr>
<td>NO$_X$</td>
<td>µg/m³</td>
<td>16.64</td>
<td>12.6</td>
<td>0.829</td>
<td>17.47</td>
<td>80</td>
</tr>
</tbody>
</table>

- Parameter: (PM$_{10}$, PM$_{2.5}$, SO$_2$, NO$_X$, Others parameters specific to the sector)
- Unit: (Microgram per Meter Cube, NA)

### 19 Power Requirement

a. Quantity (Kilo Volt Amps (KVA)) : 400 KVA
b. Source : PGVCL
c. Upload Copy of Agreement (Upload pdf only) : --
d. Standby Arrangement (Details of DG Sets) : 320 KVA D.G. Set
e. Stack Height : 11 mtr

### 20 Land Ownership Pattern (Prior to the project proposal) in Ha

a. Forest Land : --
b. Private Land : 0.497998 Ha (4979.98m²)
c. Government Land : --
d. Revenue Land : --
e. Other Land : --

Total land : 0.497998 Ha (4979.98m²)

### 21 Present Land Use breakup in Ha

a. Agriculture Area : 15536 Ha
b. Waste/Barren Area : 9592 Ha
c. Grazing/ Community Area : --
d. Surface Water bodies : 4151 Ha
e. Settlements : 2171 Ha
f. Industrial : --
g. Forest : --
h. Mangroves : --
i. Marine area : --
j. Others (Specify) - Transportation : --

Total : 31450 Ha

### 22 Land requirement for various activities (Multiple entries allowed) in Ha

<table>
<thead>
<tr>
<th>Description of Activity/ Facility/ Plant/ Others</th>
<th>Land Requirement (Sq. mtr.)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Existing</td>
<td>Proposed</td>
</tr>
<tr>
<td>Technical plant</td>
<td>560</td>
<td>390</td>
</tr>
<tr>
<td>Utilities</td>
<td>175</td>
<td>185</td>
</tr>
<tr>
<td>Laboratory</td>
<td>160</td>
<td>0</td>
</tr>
<tr>
<td>Storage (RM &amp; Finished Products)</td>
<td>260</td>
<td>90</td>
</tr>
<tr>
<td>Solvent &amp; Bulk storage yard</td>
<td>225</td>
<td>0</td>
</tr>
<tr>
<td>ETP</td>
<td>70</td>
<td>0</td>
</tr>
<tr>
<td>Security area and rest room</td>
<td>40</td>
<td>0</td>
</tr>
<tr>
<td>Office</td>
<td>120</td>
<td>0</td>
</tr>
<tr>
<td>Parking area</td>
<td>115</td>
<td>0</td>
</tr>
<tr>
<td>Green belt</td>
<td>600</td>
<td>1043</td>
</tr>
<tr>
<td>---------------</td>
<td>------</td>
<td>------</td>
</tr>
<tr>
<td>Internal Road</td>
<td>550</td>
<td>0</td>
</tr>
<tr>
<td>Open to sky</td>
<td>2104.98</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>4979.98</strong></td>
<td><strong>--</strong></td>
</tr>
</tbody>
</table>

- Activity / Facility / Plant / Others include: Main Plant, Township, Greenbelt, Ash pond, Quarry area, OB dump Area, Safety zone, Tailing pond, Landfill, Water reservoir, Desalination plant, Area for solid waste management, Built-up area, others

23 **Ecological and Environmental Sensitivity (Within 10 Km):** WLS-Wild Life Species; NPA Notified Protected Area; ESAs-Eco Sensitive Areas; ESZs-Eco Sensitive Zones – No such area within 10 km

<table>
<thead>
<tr>
<th>Details of Ecological Sensitivity</th>
<th>Name</th>
<th>Distance from the Project (Km)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

- Details of Ecological Sensitivity: (Critically Polluted Area, WLS, NPA, ESAs, ESZs, Corridors, Wildlife Corridors)

b. Whether NBWL recommendation is required (Yes/No?) : No

If yes
Upload NBWL recommendation in PDF : NA

c. Details of Environmental Sensitivity : NA

Details of Ecological Sensitivity Name Distance from the Project (Km) Remarks
-- -- -- --

- Details of Ecological Sensitivity: (Critically Polluted Area, WLS, NPA, ESAs, ESZs, Corridors, Wildlife Corridors)

d. Whether NoC/Permission from the competent authority is required (Yes/No)? : No

If Yes
Upload NoC/ Permission from the competent authority in PDF : NA

24 **Forest Land**

1. Whether any Forest Land involved (Yes/No)? : No

If Yes

a. Forests Clearance Status (In-Principle(Stage-I) Approval Obtained/Final (Stage-II) Approval Obtained/ Forest Clearance Under Process (Stage-I)/ Forest Clearance Under Process (Stage-II)/ Application for Forest Clearance yet to be Submitted) : NA

If In-Principle (Stage-I) Approval Obtained,
(i) MoEFCC file number : NA
(ii) Date of In Principle (Stage-I) approval : NA
(iii) Area diverted : NA
(iv) Upload FC Letter (Upload pdf only and attach it as Annexure-FC letter) : NA

If Final (Stage-II) Approval Obtained,
(i) MoEFCC file number : NA
(ii) Date of Final Approval : NA
(iii) Date of In-Principle Approval : NA
<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>(iv) Area diverted</td>
<td>: NA</td>
</tr>
<tr>
<td>(v) Upload FC Letter(Upload pdf only and attach it as Annexure-FC letter)</td>
<td>: NA</td>
</tr>
<tr>
<td>If Forest Clearance under process (Stage-I),</td>
<td></td>
</tr>
<tr>
<td>(i) MoEFCC file number</td>
<td>: NA</td>
</tr>
<tr>
<td>(ii) Area applied</td>
<td>: NA</td>
</tr>
<tr>
<td>If Forest Clearance under process (Stage-II),</td>
<td></td>
</tr>
<tr>
<td>(i) MoEFCC file number</td>
<td>: NA</td>
</tr>
<tr>
<td>(ii) Area applied</td>
<td>: NA</td>
</tr>
<tr>
<td>b. Legal Status of Forest Land (Reserved, Protected, Private, Village, Others)</td>
<td>: NA</td>
</tr>
<tr>
<td>If Others,</td>
<td></td>
</tr>
<tr>
<td>Please Specify Others</td>
<td>: NA</td>
</tr>
<tr>
<td>25 Tree Cutting, if any</td>
<td></td>
</tr>
<tr>
<td>a. No. of Trees Cut for the Project (if Forestland not involved)</td>
<td>: 00</td>
</tr>
<tr>
<td>b. Details of Tree Cutting and Planting of Trees (Upload pdf Only)</td>
<td>: Not applicable</td>
</tr>
<tr>
<td>26 Land Acquisition Status</td>
<td></td>
</tr>
<tr>
<td>a. Acquired Land</td>
<td>: 0.497998 Hacter</td>
</tr>
<tr>
<td>b. Land yet to be acquired</td>
<td>: 00</td>
</tr>
<tr>
<td>c. Status of Land acquisition if not acquired</td>
<td>: 00</td>
</tr>
<tr>
<td>27 Rehabilitation and Resettlement (R&amp;R)</td>
<td></td>
</tr>
<tr>
<td>a. No. of Villages</td>
<td>: NA</td>
</tr>
<tr>
<td>b. No. of Households</td>
<td>: NA</td>
</tr>
<tr>
<td>c. No. of PDFs (Project Displaced Families)</td>
<td>: NA</td>
</tr>
<tr>
<td>d. No. of PAFs (Project Affected Families)</td>
<td>: NA</td>
</tr>
<tr>
<td>e. Funds Allocated for R&amp;R</td>
<td>: NA</td>
</tr>
<tr>
<td>f. Status of R&amp;R (Completed / In-progress / Yet to start)</td>
<td>: NA</td>
</tr>
<tr>
<td>28 Whether there is Presence of Schedule-I Species (Yes/No)?</td>
<td></td>
</tr>
<tr>
<td>If yes,</td>
<td>No</td>
</tr>
<tr>
<td>a. Details of Schedule-I Species</td>
<td>: No</td>
</tr>
<tr>
<td>b. Whether conservation plan for Schedule-I Species has been prepared (Yes/ No)?</td>
<td>: No</td>
</tr>
<tr>
<td>If Yes,</td>
<td>NA</td>
</tr>
<tr>
<td>(i) Upload conservation plan (Upload only PDF)</td>
<td>: NA</td>
</tr>
<tr>
<td>(ii) Fund Provision made</td>
<td>: NA</td>
</tr>
<tr>
<td>(iii) Period of Implementation</td>
<td>: NA</td>
</tr>
<tr>
<td>c. Whether conservation plan for Schedule-I Species has been approved by competent authority (Yes/ No)?</td>
<td>No</td>
</tr>
<tr>
<td>(i) Upload copy of approval (Upload PDF Only)</td>
<td>: NA</td>
</tr>
<tr>
<td>(ii) Letter No.</td>
<td>: NA</td>
</tr>
<tr>
<td>(iii) Date of issue</td>
<td>: NA</td>
</tr>
<tr>
<td>(iv) Recommendations if any</td>
<td>: NA</td>
</tr>
<tr>
<td>29 Whether there is Presence of Water Bodies in Core Area (Yes/No)?</td>
<td>No</td>
</tr>
<tr>
<td>If yes,</td>
<td></td>
</tr>
<tr>
<td>a. Details of Water Bodies in Core Area</td>
<td>: Not Available</td>
</tr>
<tr>
<td>b. Whether there is Diversion required (Yes/No)?</td>
<td>: No</td>
</tr>
<tr>
<td>If yes,</td>
<td></td>
</tr>
<tr>
<td>c. Details of diversion required</td>
<td>: NA</td>
</tr>
</tbody>
</table>
d. Details of study conducted: NA

e. Whether permission has been obtained from competent authority (Yes/No)?
   (i) Upload copy of permission (Upload PDF Only): NA
   (ii) Letter No.: NA
   (iii) Date of issue: NA
   (iv) Recommendations if any: NA

30 Whether there is Presence of Water Bodies in Buffer Area (Yes/No)?: Yes
   If yes:
   a. Details of Water Bodies in Buffer Area: Fofal Dam, water reservoir near Rupavati
   b. Direction of Water Bodies in Buffer Area (North/South/East/West/North East/North West/South East/ South West): --
   c. Distance of Water Bodies in Buffer Area (kilo meters): Within 10 Kms

31 Manpower Requirement
   a. Permanent employment during construction: --
   b. Permanent employment during operation: --
   c. Temporary employment during construction: --
   d. Temporary employment during operation: --
   e. No. of working days: 26
   f. Total manpower: 70 Nos. (Existing: 30 Nos., proposed: 40 Nos.)

32 Green Belt in Ha
   a. In case of new projects: Expansion Project
      i. Total Area of Green Belt: --
      ii. Percentage of Total Project Area: --
      iii. No. of Plants to be Planted: --
      iv. Funds Allocated for Plantation: --
      v. Upload Green Belt Plan (Upload PDF Only): --
   b. In case of expansion/modernization/change in product mix etc.: Expansion Project
      i. Description | Existing | Proposed | Total |
                    | Total Area of Green Belt | 600     | 1043   | 1643   |
                    | Percentage of Total Project Area | 12 % | 21% | 33 % |
                    | No. of Plants | 150 | 261 | 411 |
                    | Funds Allocated | -- | -- | 2.0 |
      ii. Upload Green Belt Plan (Upload PDF Only): Uploaded in chapter 10 of EIA report.

33 Project Benefit (Multiple entry allowed)
   (Project benefits shall include environmental, social and others)
   Type of Project Benefits | Details of Project Benefit
   Social | Employment generation, CSR activities
   Others | Contributing to nation via paying various taxes

34 Whether the Project/Activity attract the provisions of CRZ (Yes/No)?
   If yes, No

1 Project Details
   a. CRZ Classification: (CRZ I (A), CRZ I(B), CRZ II, CRZ III, CRZ IV (A), CRZ IV(B)): NA
b. Location type: (Non-Eroding Coast, Low and Medium Eroding Coast, High Eroding Coast) : NA

c. Details of Mangroves Land Involved, if Any : NA
d. Area of Mangroves Land (hectare) : NA
e. EIA (Terrestrial) Studies: (Carried Out, Not Carried Out) : NA
   
   If Carried Out, : NA
   1) Summary Details of EIA (Terrestrial) Studies : NA
   2) Upload Recommendation made in EIAs (Upload pdf only) : NA
   3) Period of Study from (EIA Terrestrial) : NA
   4) Period of Study to (EIA Terrestrial) : NA
   If Not Carried Out NA
   Give Reason : NA

f. EIA (Marine) Studies: (Carried Out, Not Carried Out) NA
   If carried out NA
   1) Summary Details of EIA (Marine) Studies : NA
   2) Upload Recommendation made in EIAs : NA
   3) Period of Study from (EIA Marine) : NA
   4) Period of Study to (EIA Marine) : NA
   If Not Carried out, NA
   Give Reason : NA

g. Disaster Management Plan/National Oil Spill Disaster Contingency Plan (if Applicable) : NA

2. Description of the Project Under Consideration

   a. Type of Project: (Resort/Buildings/civic amenities, Coastal Roads/Roads on Stilt, Pipelines from Thermal power Blow Down, Marine Disposal of Treated Effluent, Facility for Storage of Goods/Chemicals, Offshore structures, Desalination Plant, Mining of Rare Earth/Atomic Minerals, Sewage Treatment Plants, Lighthouse, Wind Mills, Others) : NA

   If Resort/Buildings/civic amenities, NA
   1) Agency Name for Preparing CRZ Maps : NA
   2) Total Area/Built-up Area (hectare) : NA
   3) Height of Structure : NA
   4) FSI Ratio : NA
   5) The governing Town Planning Rules/Regulations : NA
   6) Details of Provision of Car Parking Area : NA

   If Coastal Roads/Roads on stilt, NA
   1) Agency Name for Preparing CRZ Maps : NA
   2) Area of Land Reclamation : NA
   3) Estimated Quantity of Muck/Earth for Reclamation : NA
   4) Carrying Capacity of Traffic : NA

   If Pipelines from Thermal Power Blow Down, NA
   1) Agency Name for Preparing CRZ Maps : NA
   2) Length of Pipeline : NA
   3) Length Traversing CRZ Area : NA
   4) Depth of Excavation : NA
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<thead>
<tr>
<th></th>
<th>Description</th>
<th>Value</th>
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<tr>
<td>5</td>
<td>Width of Excavation</td>
<td>NA</td>
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<tr>
<td>6</td>
<td>Length of Pipeline from Seashore to Deep Sea</td>
<td>NA</td>
</tr>
<tr>
<td>7</td>
<td>Depth of Outfall Point from Surface of Sea Water</td>
<td>NA</td>
</tr>
<tr>
<td>8</td>
<td>Temperature of effluent above Ambient at Disposal Point</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td><strong>If Marine Disposal of Treated Effluent,</strong></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Agency Name for Preparing CRZ Maps</td>
<td>NA</td>
</tr>
<tr>
<td>2</td>
<td>Location of Intake/Outfall</td>
<td>NA</td>
</tr>
<tr>
<td>3</td>
<td>Depth of Outfall Point</td>
<td>NA</td>
</tr>
<tr>
<td>4</td>
<td>Length of Pipeline</td>
<td>NA</td>
</tr>
<tr>
<td>5</td>
<td>Length Traversing CRZ Area</td>
<td>NA</td>
</tr>
<tr>
<td>6</td>
<td>Depth of Excavation</td>
<td>NA</td>
</tr>
<tr>
<td>7</td>
<td>Width of Excavation</td>
<td>NA</td>
</tr>
<tr>
<td>8</td>
<td>Length of Pipeline from Seashore to Deep Sea/Creek</td>
<td>NA</td>
</tr>
<tr>
<td>9</td>
<td>Depth of Outfall Point from Surface of Sea Water</td>
<td>NA</td>
</tr>
<tr>
<td>10</td>
<td>Depth of Water at Disposal Point</td>
<td>NA</td>
</tr>
<tr>
<td>11</td>
<td>Type of Disposal</td>
<td>NA</td>
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<tr>
<td></td>
<td><strong>If Facility for Storage of Goods/Chemicals,</strong></td>
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<tr>
<td>1</td>
<td>Agency Name for Preparing CRZ Maps</td>
<td>NA</td>
</tr>
<tr>
<td>2</td>
<td>Name and Type of Chemical</td>
<td>NA</td>
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<tr>
<td>3</td>
<td>End use of the Chemical</td>
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<tr>
<td>4</td>
<td>No. of Tanks for Storage</td>
<td>NA</td>
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<tr>
<td>5</td>
<td>Capacity of tanks</td>
<td>NA</td>
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<tr>
<td></td>
<td><strong>If offshore structures,</strong></td>
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</tr>
<tr>
<td>1</td>
<td>Agency Name for Preparing CRZ Maps</td>
<td>NA</td>
</tr>
<tr>
<td>2</td>
<td>Exploration or Development</td>
<td>NA</td>
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<tr>
<td>3</td>
<td>Depth of Sea Bed</td>
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<tr>
<td>4</td>
<td>No. of Rigs/Platform</td>
<td>NA</td>
</tr>
<tr>
<td>5</td>
<td>Details of Group Gathering Stations</td>
<td>NA</td>
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<tr>
<td></td>
<td><strong>If Desalination Plant,</strong></td>
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</tr>
<tr>
<td>1</td>
<td>Agency Name for Preparing CRZ Maps</td>
<td>NA</td>
</tr>
<tr>
<td>2</td>
<td>Capacity of Desalination</td>
<td>NA</td>
</tr>
<tr>
<td>3</td>
<td>Total Brine Generation</td>
<td>NA</td>
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<tr>
<td>4</td>
<td>Temperature of Effluent above Ambient at Disposal Point</td>
<td>NA</td>
</tr>
<tr>
<td>5</td>
<td>Ambient Salinity</td>
<td>NA</td>
</tr>
<tr>
<td>6</td>
<td>Disposal Point</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td><strong>If Mining of Rare Earth/Atomic Minerals,</strong></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Agency Name for Preparing CRZ Maps</td>
<td>NA</td>
</tr>
<tr>
<td>2</td>
<td>Capacity of Mining</td>
<td>NA</td>
</tr>
<tr>
<td>3</td>
<td>Volume/Area to be mined</td>
<td>NA</td>
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<tr>
<td>4</td>
<td>Type of Mineral to be Extracted</td>
<td>NA</td>
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<tr>
<td>5</td>
<td>End use of the Mineral</td>
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<tr>
<td></td>
<td><strong>If Sewage Treatment Plants,</strong></td>
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<tr>
<td>1</td>
<td>Agency Name for Preparing CRZ Maps</td>
<td>NA</td>
</tr>
<tr>
<td>2</td>
<td>Capacity</td>
<td>NA</td>
</tr>
<tr>
<td>3</td>
<td>Total Area of Construction</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>4)</td>
<td>Compliance of effluent parameters as laid down by CPCB/SPCB/other authorized agency</td>
<td>NA</td>
</tr>
<tr>
<td>5)</td>
<td>Whether discharge is in sea water/creek? If yes,</td>
<td>NA</td>
</tr>
<tr>
<td>6)</td>
<td>Distance of Marine Outfall Point from Shore/from the tidal river bank</td>
<td>NA</td>
</tr>
<tr>
<td>7)</td>
<td>Depth of Outfall Point from Sea Water Surface</td>
<td>NA</td>
</tr>
<tr>
<td>8)</td>
<td>Depth of Sea at Outfall Point</td>
<td>NA</td>
</tr>
</tbody>
</table>

**If Lighthouse,**
1) Agency Name for Preparing CRZ Maps | NA |
2) Total Area of Construction | NA |
3) Height of the Structure | NA |

**If Wind Mills,**
1) Agency Name for Preparing CRZ Maps | NA |
2) Capacity (MW) | NA |
3) Transmission Lines: (Overhead, Underground) | NA |
4) Diameter of Windmill | NA |
5) Length of Blade | NA |
6) Speed of Rotation | NA |
7) Height of the Structure | NA |

If Others,
1) Agency Name for Preparing CRZ Maps | NA |
2) Please Specify with salient features | NA |
3) Upload relevant Document (Upload pdf only) | NA |

### 3. Distance of Project (In Meters) from LTL/HTL to be Stated

|   |   |  
|---|---|---|
|   | Clause of CRZ Notification Under which the Project is a Permissible/Regulated Activity | NA |
|   | Whether CRZ Map Indicating HTL, LTL Demarcation in 1:4000 Scales Prepared? (Yes/No) | No |

**If yes,**
1) Distance of Project (in meters) from HTL to be Stated | NA |
2) Upload Maps (kml File) | NA |
3) Distance of Project (in meters) from LTL to be Stated | NA |
4) Upload Maps (kml File) | NA |

|   |   |  
|---|---|---|
|   | Whether Project Layout Superimposed on CRZ Map 1:4000 Scales?: (Yes/No) | No |

**If Yes,**
1) Upload Maps (kml File) | NA |

|   |   |  
|---|---|---|
|   | Whether CRZ Map 1:25000 Covering 7 km Radius Around Project Site Prepared? (Yes/No) | No |

**If Yes,**
1) Upload Maps (kml File) | NA |

|   |   |  
|---|---|---|
|   | Whether CRZ Map Indicating CRZ-I,II,III and IV Including Other Notified ESAs Prepared?: (Yes/No) | No |

**If Yes,**
1) Upload Maps (kml File) | NA |
### Sector Specific Details

#### 35 Sector Specific Details

<table>
<thead>
<tr>
<th>Question</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>f. NOC from State Pollution Control Boards Obtained: (Yes/No)</td>
<td>No</td>
</tr>
<tr>
<td>If Yes,</td>
<td></td>
</tr>
<tr>
<td>1) Upload Copy of NOC (Upload pdf only)</td>
<td>NA</td>
</tr>
<tr>
<td>g. Details of Rain Water Harvesting System</td>
<td>NA</td>
</tr>
<tr>
<td>4. Recommendation of State Coastal Zone Management Authority</td>
<td></td>
</tr>
<tr>
<td>a. Upload Copy of CZMA (Upload pdf Only)</td>
<td>NA</td>
</tr>
<tr>
<td>b. State the Conditions Imposed</td>
<td>NA</td>
</tr>
<tr>
<td>c. Social and Environmental Issues and Mitigations Measures Suggested Including but not Limited to R&amp;R, Water, Air, Hazardous Wastes, Ecological aspects, etc. (Brief Details to be Provided)</td>
<td>NA</td>
</tr>
</tbody>
</table>

#### 35 Sector Specific Details

<table>
<thead>
<tr>
<th>Question</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Whether the proposal is mining of minerals (coal / non-coal) project (Yes/No)?</td>
<td>No</td>
</tr>
<tr>
<td>If yes,</td>
<td></td>
</tr>
<tr>
<td>1 No. of Mineral to be Mined (Multiple Entries Allowed)</td>
<td>NA</td>
</tr>
<tr>
<td>2 Mine Capacity in ROM (Run of Mine)</td>
<td>NA</td>
</tr>
<tr>
<td>3 Upload 500 meters Cluster Certificate from State Mines and Geology in case of minor minerals (Upload pdf Only)</td>
<td>NA</td>
</tr>
<tr>
<td>4 Mining Plan</td>
<td></td>
</tr>
<tr>
<td>a. Approval Letter No.</td>
<td>NA</td>
</tr>
<tr>
<td>b. Date of Approval</td>
<td>NA</td>
</tr>
<tr>
<td>c. Upload Approved Letter (Upload pdf only)</td>
<td>NA</td>
</tr>
<tr>
<td>d. Approved by State Mines &amp; Geology Department / Indian Bureau of Mines/Ministry of Coal/Ministry of Mines/State Government/Atomic Mineral Directorate/ Others</td>
<td>NA</td>
</tr>
<tr>
<td>e. If Others,</td>
<td>NA</td>
</tr>
<tr>
<td>f. Approved Mining Lease Area</td>
<td>NA</td>
</tr>
<tr>
<td>g. Approved Capacity</td>
<td>NA</td>
</tr>
<tr>
<td>5 Technical Details</td>
<td></td>
</tr>
<tr>
<td>a. Total Geological Reserves (Million Ton)</td>
<td>NA</td>
</tr>
<tr>
<td>b. Mineable Reserves (Million Ton)</td>
<td>NA</td>
</tr>
<tr>
<td>c. Extractable Reserves (Million Ton)</td>
<td>NA</td>
</tr>
<tr>
<td>d. Percent of Extraction (%)</td>
<td>NA</td>
</tr>
<tr>
<td>e. Grade of Coal /Ore /Mineral</td>
<td>NA</td>
</tr>
<tr>
<td>f. Stripping Ratio</td>
<td>NA</td>
</tr>
<tr>
<td>g. Category of Gaseousness (Only for Coal Mining, Others may write Not applicable)</td>
<td>NA</td>
</tr>
<tr>
<td>h. Average Gradient (Degree)</td>
<td>NA</td>
</tr>
<tr>
<td>i. Maximum Thickness of Seams (meters) (Only for Coal Mining, Others may write Not applicable)</td>
<td>NA</td>
</tr>
<tr>
<td>j. Mining Method (Opencast/Underground /Mixed (Opencast + Underground) /Adit</td>
<td>NA</td>
</tr>
<tr>
<td>k. Life of Mine (Years)</td>
<td>NA</td>
</tr>
</tbody>
</table>
### Details of beneficiation (including crushing / screening/others)

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td>Whether it is proposed to install crusher within the mining lease area (Yes/No)?</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td>If yes,</td>
<td></td>
</tr>
<tr>
<td>b.</td>
<td>No. of crushers</td>
<td>NA</td>
</tr>
<tr>
<td>c.</td>
<td>Details of crusher (Multiple entries allowed)</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td>Crusher ID</td>
<td>Capacity (in TPH)</td>
</tr>
<tr>
<td></td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>d.</td>
<td>Whether it is proposed to install beneficiation plant/Coal washery within the mining lease area (Yes/No)?</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td>If yes,</td>
<td></td>
</tr>
<tr>
<td>e.</td>
<td>Beneficiation/washing Technology</td>
<td>NA</td>
</tr>
<tr>
<td>f.</td>
<td>Capacity</td>
<td>NA</td>
</tr>
</tbody>
</table>

### Details of Seams if applicable

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td>No. of seams</td>
<td>NA</td>
</tr>
<tr>
<td>b.</td>
<td>Thickness of seams to be worked on</td>
<td>NA</td>
</tr>
<tr>
<td>c.</td>
<td>Maximum Thickness of Seams (meters) (if not Applicable, may write NA)</td>
<td>NA</td>
</tr>
</tbody>
</table>

### Details of Mining Lease

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td>Details of Mining Lease</td>
<td>NA</td>
</tr>
<tr>
<td>b.</td>
<td>Upload Letter of Intent (Upload pdf only)</td>
<td>NA</td>
</tr>
<tr>
<td>c.</td>
<td>Date of Execution of Mining Lease with Reference Number</td>
<td>NA</td>
</tr>
<tr>
<td>d.</td>
<td>Validity of Mining Lease</td>
<td>NA</td>
</tr>
<tr>
<td>e.</td>
<td>Upload Copy of Executed Lease deed valid as on Date (Upload pdf only)</td>
<td>NA</td>
</tr>
<tr>
<td>f.</td>
<td>Earlier Renewals (Multiple Entries Allowed)</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td>Uploaded Copy of Earlier Lease</td>
<td>Date of Renewal</td>
</tr>
<tr>
<td></td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

### OB (Over Burden) Management (Only if Mining Method: Opencast)

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td>Details of External Dumps</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td>i) No. of OB Dumps</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td>ii) Total Area (in Hectare)</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td>iii) Height (in meter)</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td>iv) Quantity (in Million Cubic meter)</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td>v) No. of year back fill up</td>
<td>NA</td>
</tr>
<tr>
<td>b.</td>
<td>Details of Internal Dump</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td>i) No. of Internal Dumps</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td>ii) Total Area (in Hectare)</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td>iii) Height (in meter)</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td>iv) Quantity (in Million Cubic meter)</td>
<td>NA</td>
</tr>
</tbody>
</table>

### Details of Topsoil Management

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td>Quantity of Topsoil excavated during the entire life of the mine (in Million Cubic meter)</td>
<td>NA</td>
</tr>
<tr>
<td>b.</td>
<td>Quantity of Topsoil proposed for utilization for reclamation during the entire life of the mine (in Million Cubic meter)</td>
<td>NA</td>
</tr>
<tr>
<td>c.</td>
<td>Quantity of Topsoil proposed for utilization for other</td>
<td>NA</td>
</tr>
</tbody>
</table>
activities during the entire life of the mine (in Million Cubic meter)

11 **Detail of Final Mine Void (Only if Mining Method: Opencast)**
   a. Area (in Hectare) : NA
   b. Depth (in meter) : NA
   c. Volume (in Million Cubic meter) : NA

12 **Details of Quarry (Only if Mining Method: Opencast)**
   a. Final Void of (hectare) : NA
   b. At a Depth of (meter which is proposed to be converted into a Water Body.) : NA
   c. Total Quarry Area (ha) : NA

13 **Details of Transportation**
   a. In Pit/Underground to Surface : NA
   b. Surface to Siding/Loading : NA
   c. Transportation/Conveyor Details : NA

14 **Details of Land Usage (Pre-Mining)**

<table>
<thead>
<tr>
<th>Land Use</th>
<th>Within ML Area (Hectare)</th>
<th>Outside ML Area (Hectare)</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture Land</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Forest Land</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Waste Land</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Grazing Land</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Surface Water Bodies</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Settlements</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Others (Specify)</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

15 **Details of Transportation**
   a. In Pit/Underground to Surface : NA
   b. Surface to Siding/Loading : NA
   c. Transportation/Conveyor Details : NA

16 **Details of Land Usage (Pre-Mining)**

<table>
<thead>
<tr>
<th>Land Use</th>
<th>Within ML Area (Hectare)</th>
<th>Outside ML Area (Hectare)</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture Land</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Forest Land</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Waste Land</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Grazing Land</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Surface Water Bodies</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Settlements</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Others (Specify)</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

17 **Details of Land Usage (Post-Mining)**

<table>
<thead>
<tr>
<th>Land Use</th>
<th>Plantation</th>
<th>Water Body</th>
<th>Public Use</th>
<th>Others</th>
</tr>
</thead>
<tbody>
<tr>
<td>Excavation / quarry</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Top Soil Storage</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>External OB dumps</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Internal OB dumps</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Roads</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Built Up Area</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>
### Details of Reclamation (Only if Mining Method: Opencast) Total Afforestation Plan shall be Implemented Covering of Mining. This will include:

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. External OB Dump (in hectare)</td>
<td>NA</td>
</tr>
<tr>
<td>b. Internal Dump (in hectare)</td>
<td>NA</td>
</tr>
<tr>
<td>c. Quarry (in hectare)</td>
<td>NA</td>
</tr>
<tr>
<td>d. Safety Zone (in hectare)</td>
<td>NA</td>
</tr>
<tr>
<td>e. Final Void of (hectare)</td>
<td>NA</td>
</tr>
<tr>
<td>f. At a Depth of (meter which is proposed to be converted into a Water Body.)</td>
<td>NA</td>
</tr>
<tr>
<td>g. Density of Tree Plantation per ha (in no.)</td>
<td>NA</td>
</tr>
<tr>
<td>h. Others in ha (such as Excavation Area along ML Boundary, along Roads and Infrastructure, Embankment Area and in Township Located outside the Lease etc.)</td>
<td>NA</td>
</tr>
<tr>
<td>i. Total afforestation plant (in hectare)</td>
<td>NA</td>
</tr>
</tbody>
</table>

### Status of Progressive Mining Closure Plan (For Expansion Projects only)

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Implementation of Various Activities as per Approved Progressive Mine Closure Plan (in Bar Chart) (pdf)</td>
<td>NA</td>
</tr>
<tr>
<td>b. Any Deviation from the Approved Progressive Mine Closure Plan</td>
<td>NA</td>
</tr>
<tr>
<td>c. Total Area Excavated (in hectare)</td>
<td>NA</td>
</tr>
<tr>
<td>d. Total Area Backfilled after Excavation (in hectare)</td>
<td>NA</td>
</tr>
<tr>
<td>e. Total Area Reclaimed (in hectare)</td>
<td>NA</td>
</tr>
</tbody>
</table>

### Actual Coal/Ore Production vis-a-vis sanctioned capacity Since inception (Multiple Entries Allowed)

<table>
<thead>
<tr>
<th>Financial Year</th>
<th>Sanctioned Capacity as per EC (MTPA)</th>
<th>Sanctioned capacity as per CTO</th>
<th>Sanctioned capacity as per approved Mining Plan</th>
<th>Actual Production</th>
<th>Excess Production Beyond the EC / CTO / Mining Plan Sanctioned Capacity (MTPA)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

### Whether proposal is for Thermal Project (including captive power plant and Waste Heat Recovery Plant) (Yes/No)?

- **If yes,**
  - **Specifications of the Plant**
    - a. Technology proposed (Supercritical, Sub-Critical, CFBC, AFBC, PFBC, IGCC, Incineration, Pyrolysis, Gasification, Bio-methanation, Others) | NA
    - b. Plant Load Factor (%) | NA
    - c. Station Heat Rate (Kcal/Kwh) | NA
    - d. Steam Rate/Flow Rate | NA
    - e. Boiler Temperature | NA
<table>
<thead>
<tr>
<th>Stack ID</th>
<th>Stack Height (m)</th>
<th>Stack Diameter at exit (m)</th>
<th>Exit velocity of stack gas (m/s)</th>
<th>Exit temperature of stack gas (°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2. **Details of fuel linkage (please specify if multiple linkages are involved)**
   a. Type of linkage (Linkage / Fuel Supply Agreement / e-auction / MoU / LOA / Captive / Open market / Others) : NA
   b. Quantity of linkage granted : NA
   c. Date of Linkage : NA
   d. Duration of linkage : NA

3. **Details of Transportation of fuel**
<table>
<thead>
<tr>
<th>Details/ Mode</th>
<th>Distance (km)</th>
<th>Quantity (TPA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rail</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Road</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Pipeline</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Conveyor</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Other mode (please specify)</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

4. **Details of Fuel Characteristics**
   a. Gross Calorific Value (Kcal/Kg) : NA
   b. Ash content (%) : NA
   c. Sulphur Content (%) : NA
   d. Moisture (%) : NA
   e. Mercury (mg/kg) : NA
   f. Fixed Carbon (%) : NA
   g. Volatile Matter (%) : NA

5. **Details of Cooling system**
   a. Type of cooling system: Air cooled/Water cooled : NA
   b. Type of draft: Natural draft/Forced draft : NA
   c. Type of air circulation: Parallel flow/Counter flow : NA
   d. Cycles of Cooling (COC): : NA
   e. Water requirement for cooling (m³/day): : NA
   f. Boiler blow down temperature: : NA

III **Whether proposal is for River Valley & Hydroelectric Project (Yes/No)?**
   No

   If Yes,
   1. Sub Sector: (Multipurpose Project/Hydroelectric Project/Irrigation project) : NA
   2. Name of the River : NA
   3. Whether Cumulative Impact Assessment and Carrying Capacity Study of River Basin Carried Out? (Yes/No) : NA
      If Yes
      a. Status of Cumulative Impact Assessment and Carrying Capacity Study of River Basin: (Recommended/Not Recommended,) : NA
         If Recommended
         b. Details of Cumulative Impact Assessment and Carrying Capacity Study of River Basin : NA
4. Type of Project: (Construction of Dam Barrage/Run of the River/Lift Irrigation Scheme) : NA

5. Dam Height (meter) if applicable : NA

6. Dam Length (meter) if applicable : NA

7. Total Submergence Area (hectare) : NA

8. Details of Gross Command Area (GCA) (hectare) : NA

9. Details of Irrigable Command Area (ICA) (hectare) : NA

10. Details of Culturable Command Area (CCA) (hectare) : NA

11. Total Command Area (hectare) : NA

12. Powerhouse Installed Capacity : NA
   a. Type of Powerhouse: (Underground/Surface) : NA
   b. Capacity (megawatts) : NA
   c. No. of Tunnels : NA
   d. No. of Units : NA
   e. Bank of River: (Left /Right / Both) : NA

13. **Generation of Electricity Annually**
   a. Quantity of Generation of Electricity Annually (in Giga Watt Hours(GWh)) : NA
   b. Water availability at various percentages : NA

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Water availability (Cusecs)</th>
<th>Dependable year</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>At 50%</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>At 75%</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>At 90%</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

c. Machine Availability (%) : NA
d. Cost of Electricity Generation (in INR) : NA
e. Internal Rate of Return (%) : NA
f. Year of achievement of Internal Rate of Return : NA

14. Catchment Area Treatment Plan (Upload PDF)

15. Muck Management Plan
   a. Upload Muck Management Plan in PDF : NA
   b. Total Excavation Muck (Cubic Meter) : NA
c. Utilized for Construction (Cubic Meter) : NA
d. No. of Muck Disposal sites : NA
e. Total Muck Disposal Area (Ha) : NA

16. Fishery Development and Management Plan
   a. Upload Fishery Development and Management Plan in PDF : NA
   b. No. of Fingerlings : NA
c. No. of Fish Species : NA
d. Name of the umbrella Fish Species (Scientific Name) : NA

17. Status of Environmental Flow

<table>
<thead>
<tr>
<th>Season</th>
<th>Average Inflow (in Million Cubic Meter)</th>
<th>Percent of Flow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lean</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Non-Lean</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Monsoon</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Non-Monsoon</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>
18. Free Flow Stretch (km) : NA

19. Approval of Central Water Commission
   a. Approval Reference No. : NA
   b. Date of Approval : NA
   c. Upload Copy of Approval (Upload pdf only) : NA

20. Approval of Central Electricity Authority
   a. Approval Reference No. : NA
   b. Date of Approval : NA
   c. Upload Copy of Approval (Upload pdf only) : NA

21. Details of Coffer Dam (upstream) if applicable
   a. Quantity of the material (m$^3$) : NA
   b. Length of the dam (m) : NA
   c. Quantity of muck to be used (m$^3$) : NA
   d. Quantity of borrow material to be used (m$^3$) : NA
   e. Decommissioning plan (upload in PDF) : NA

22. Details of Coffer Dam (downstream) if applicable
   a. Quantity of the material (m$^3$) : NA
   b. Length of the dam (m) : NA
   c. Quantity of muck to be used (m$^3$) : NA
   d. Quantity of borrow material to be used (m$^3$) : NA
   e. Decommissioning plan (upload in PDF) : NA

IV Whether the proposal is Infrastructure projects (Yes/No)
   No

If yes?

1 Details of Building Construction
   a. Maximum Height of the Building (Meters) : NA
   b. Total No. of Flats to be Build : NA
   c. No. of Buildings : NA
   d. Total plot area (sqm) : NA
   e. Total built up area (sqm) : NA

2 Foreshore Facilities And/or Marine Disposal
   a. Whether Project Involves Foreshore Activities and/or marine Disposal (Yes/No)? : NA
      If Yes, : NA
   b. Upload Shoreline Study (Upload pdf only) : NA
   c. Type of Cargo : NA
   d. Quantity of Cargo : NA
   e. Control Measures of Cargo : NA
   f. Dust Control Measures : NA
   g. Quantum : NA
   h. Quantity of Dredging (Cubic meter per day) : NA
   i. Type of Dredging (Capital, Maintenance) : NA
   j. Disposal of Dredge Material : NA
   k. Details of Outfall Diffusers : NA
   m. No. of Dilution Expected : NA
   n. Distance at which the outlet will Reach Ambient Parameters : NA
   o. Details of Monitoring at outfall : NA
   p. Copy of NoC from PCB in case of Marine Disposal (Upload pdf only) : NA
3 Rain Water Harvesting
   a. No. of Storage : NA
   b. Capacity : NA
   c. No. of Recharge Pits : NA
d. Capacity : NA

4 Parking
   a. Details of 4-Wheeler/ 2-Wheeler Parking : NA

5 Energy Saving Measures
   a. Source/Mode : NA
   b. Percentage : NA
c. Quantity : NA

6 Other Details
   a. Details of impact on Water Bodies and Drainage patterns of catchment area, if any : NA
   b. Details of Traffic Density Impact Assessment and Modelling Study (Upload pdf Only) : NA
   c. In case of Underground Tunnel projects below the Forest Land - Subsidence Impact Study report (Upload pdf Only) : NA

7. Type of Industries to be established with Industrial Estate as per their category A/B : NA

<table>
<thead>
<tr>
<th>SI No.</th>
<th>Type of Industry</th>
<th>No. of Units</th>
<th>Category A/B</th>
</tr>
</thead>
<tbody>
<tr>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

8. Length of the alignment in case of highway projects : NA

   a. Total No. of Bridges : NA
   b. Total No. of ROB : NA
c. Total No. of Interchanges : NA
d. Total No. of Flyovers : NA
e. Total No. of Vehicle Underpass : NA
f. Total No. of Pedestrian Underpass : NA
g. Details of other utilities rail and road corridors : NA

36 Details of Court Cases if any
   a. Whether there is any Court Cases pending against the project and/or land in which the project is proposed to be set up (Yes/No) : NA
      If Yes,
   b. Name of the Court (District Court / high Court / NGT / Tribunals / Supreme Court of India) : NA
      If name of Court: (District Court, High Court, NGT, Tribunals)
c. Name of the Sub-Court : NA
d. Case No. : NA
e. Orders/Directions of the court, if any and its relevance with the proposed project : NA
f. Case Details : NA
g. Upload Court Order if any (Upload pdf only) : NA
<table>
<thead>
<tr>
<th>37</th>
<th>Details of direction issue under Environment (Protection) Act/Air (Prevention &amp; Control of Pollution) Act/Water (Prevention &amp; Control of Pollution) Act</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>a. Whether any direction issued under Environment (Protection) Act/Air (Prevention &amp; Control of Pollution) Act/Water (Prevention &amp; Control of Pollution) Act (Yes/No)?</td>
</tr>
<tr>
<td></td>
<td>: No</td>
</tr>
<tr>
<td></td>
<td>If yes,</td>
</tr>
<tr>
<td></td>
<td>b. Details of directions issued under Environment (Protection) Act/Air (Prevention &amp; Control of Pollution) Act/Water (Prevention &amp; Control of Pollution) Act : NA</td>
</tr>
<tr>
<td></td>
<td>c. Upload copy of directions issued under Environment (Protection) Act/Air (Prevention &amp; Control of Pollution) Act/Water (Prevention &amp; Control of Pollution) Act : NA</td>
</tr>
<tr>
<td></td>
<td>d. Compliance status of the directions : NA</td>
</tr>
<tr>
<td>38</td>
<td>Details of EIA Consultant</td>
</tr>
<tr>
<td></td>
<td>a. Have you hired Consultant for preparing document (Yes/No)?</td>
</tr>
<tr>
<td></td>
<td>: Yes</td>
</tr>
<tr>
<td></td>
<td>If No,</td>
</tr>
<tr>
<td></td>
<td>(i) Reason for not engaging the Consultant : NA</td>
</tr>
<tr>
<td></td>
<td>If Yes,</td>
</tr>
<tr>
<td></td>
<td>(i) Accreditation No. : NABET/EIA/1619/RA 0084</td>
</tr>
<tr>
<td></td>
<td>(ii) Name of the EIA Consultant : San Envirotech Pvt. Ltd., Ahmedabad</td>
</tr>
<tr>
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<td>(iii) Address : 401/402/423/424/324, Medicine Market, Opp. Shefali Centre, Paldi cross Road, Ahmedabad</td>
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<tr>
<td></td>
<td>(iv) Mobile No. : +91 9825007201</td>
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<td>(v) Landline No. : 079- 26583077</td>
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<td></td>
<td>(vi) E-mail Id : <a href="mailto:mahendra.sepl@gmail.com">mahendra.sepl@gmail.com</a></td>
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<td>(vii) Category of Accreditation (Eligible for Category A/Eligible for Category B) : Category - A</td>
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<td>(viii) Sector of Accreditation : 5(f) (Industrial project 2)</td>
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<td>(ix) Validity of Accreditation : 23.12.2019</td>
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<td>(x) Upload Certificate of Accreditation certified by QCI/NABET (Upload pdf Only) : Uploaded as Annexure VIII of EIA report.</td>
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<td>39</td>
<td>Documents to be attached</td>
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<td>I If Project Type is New/Expansion/Modernization/one-time capacity expansion for coal mining: Expansion Project</td>
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<tr>
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<td>a. Upload Copy of EIA/EMP Report : Enclosed</td>
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<td>b. Upload Copy of Risk Assessment Report : Enclosed</td>
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<tr>
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<td>d. Upload Copy of Final Layout Plan (Upload pdf only) : Enclosed</td>
</tr>
<tr>
<td></td>
<td>e. Upload Cover Letter(Upload pdf only and attach it as Annexure-document of Cover letter) : Enclosed</td>
</tr>
</tbody>
</table>
f. Upload a copy of documents in support of the competence/authority of the person making this application to make application on behalf of the User Agency (Upload pdf only and attach it as Annexure-authorization) : NA

g. Upload copy of District Survey Report (for mining of minor minerals only) : NA

h. Upload copy of Replenishment Study Report & Baseline Survey data (for river sand mining proposals only) : NA

i. Upload Additional File, if any (Upload pdf only) : NA

II If Project Type is other than New/Expansion/Modernization /one-time capacity expansion for coal mining:

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b. Upload Copy of Final Layout Plan (Upload pdf only) : NA

c. Upload Cover Letter (Upload pdf only and attach it as Annexure-document of Cover letter) : NA

d. Upload a copy of documents in support of the competence/ authority of the person making this application to make application on behalf of the User Agency (Upload pdf only and attach it as Annexure-authorization) : NA

e. Upload Additional File, if any (Upload pdf only) : NA

f. Upload Updated Form1 (Upload pdf only) : NA

40 Undertaking

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a. I hereby give undertaking that the data and information given in the application and enclosures are true to be best of my knowledge and belief and I am aware that if any part of the data and information found to be false or misleading at any stage, the project will be rejected and clearance given, if any to the project will be revoked at our risk and cost. In addition to above, I hereby give undertaking that no activity/construction/ expansion has since been taken up. |

b. Name : Mr. Ghanshyam G Harsoda

c. Designation : Director

d. Company : Nira life sciences Pvt. Ltd.

e. Address : Plot no. 6-9, GIDC-Bamanbore, Chotila, Surendranagar- 363520