

# SIX MONTHLY ENVIRONMENTAL CLEARANCE COMPLIANCE REPORT

Period:

January 2022 to June 2022



Submitted by:

**M/S. AMI LIFESCIENCES PVT. LTD.**

**Plot No. 82/B, Survey No. 106,107,114,1677/1**

**& 1677/2, ECP Road, AT & PO: Karakhadi,**

**Tehsil :Padra, District : Vadodara-391450**

(File No. J-11011/10/2013-IA II (I); Dated 11/02/2016)

SR. NO	CONDITIONS	COMPLIANCE STATUS																																																																														
2.0	<p>The Ministry of Environment, Forest and Climate Change has examined the application. It is noted that proposal is for expansion of Synthetic Organic Chemicals Manufacturing Unit at Block No. 82/B, Sy. No. 106, 107, 114, 1677/1 &amp; 1677/2 ECP Road, Post Karakhadi, Taluka Padra, District Vadodara, Gujarat by M/s Ami Life Sciences Pvt. Ltd. Total plot area is 23760 m<sup>2</sup>(Existing 10270 m<sup>2</sup> and 13490 m<sup>2</sup>). Cost of project for expansion is Rs. 8.7046 Crore. It is reported that there is no protected area notified under the wildlife (protection) Act &amp; Eco-sensitive area notified under Section 3 of the EP(A), 1986 within 10 Km distance. Mahisagar river is flowing at a distance of 4.25 Km. Following are the details of the existing and proposed product details.</p> <table border="1" data-bbox="188 745 1043 1361"> <thead> <tr> <th>Sr. No.</th> <th>Name of Product</th> <th>Production Capacity TPM</th> </tr> </thead> <tbody> <tr><td>1</td><td>1- Acety) Naphthaiene</td><td>2.00</td></tr> <tr><td>2</td><td>2- Acetyl Naphthalene</td><td>1.00</td></tr> <tr><td>3</td><td>ItopideHCT</td><td>6.00</td></tr> <tr><td>4</td><td>Loxapine Succinate</td><td>1.20</td></tr> <tr><td>5</td><td>Amoxapine</td><td>0.30</td></tr> <tr><td>6</td><td>Venlafaxine</td><td>6.00</td></tr> <tr><td>7</td><td>ProgunitHCl</td><td>6.00</td></tr> <tr><td>8</td><td>CB-2-L-Valine</td><td>6.00</td></tr> <tr><td>9</td><td>Nateglinide</td><td>0.60</td></tr> <tr><td>10</td><td>Quetiapine</td><td>0.60</td></tr> <tr><td>11</td><td>Carbomazepin</td><td>24.00</td></tr> <tr><td>12</td><td>OxaCarbomazepin</td><td>12.00</td></tr> <tr><td></td><td>Total</td><td>65.70</td></tr> </tbody> </table> <p><b>Product details after proposed expansion:</b></p> <table border="1" data-bbox="188 1397 1043 2067"> <thead> <tr> <th>Sr. No.</th> <th>Name of Product</th> <th>Production Capacity TPM</th> </tr> </thead> <tbody> <tr><td>1.</td><td>Pure Rutin</td><td>30.00</td></tr> <tr><td>2.</td><td>Quercetin</td><td>20.00</td></tr> <tr><td>3.</td><td>Doxofylline</td><td>15.00</td></tr> <tr><td>4.</td><td>Troxerutin</td><td>15.00</td></tr> <tr><td>5.</td><td>Ambroxol Hydrochloride and its intermediate (2 Amino 3,5-dibromo Benzaldehyde)</td><td>5.00</td></tr> <tr><td>6.</td><td>Itopride Hydrochloride</td><td>5.00</td></tr> <tr><td>7.</td><td>Febuxostat</td><td>3.00</td></tr> <tr><td>8.</td><td>Fexofenadine Hydrochloride</td><td>3.00</td></tr> <tr><td>9.</td><td>N-Methyl-1-NaphthylMethylamineHCl</td><td>3.00</td></tr> <tr><td>10.</td><td>Acebrophylline</td><td>3.00</td></tr> <tr><td>11.</td><td>Diacerein</td><td>3.00</td></tr> </tbody> </table>	Sr. No.	Name of Product	Production Capacity TPM	1	1- Acety) Naphthaiene	2.00	2	2- Acetyl Naphthalene	1.00	3	ItopideHCT	6.00	4	Loxapine Succinate	1.20	5	Amoxapine	0.30	6	Venlafaxine	6.00	7	ProgunitHCl	6.00	8	CB-2-L-Valine	6.00	9	Nateglinide	0.60	10	Quetiapine	0.60	11	Carbomazepin	24.00	12	OxaCarbomazepin	12.00		Total	65.70	Sr. No.	Name of Product	Production Capacity TPM	1.	Pure Rutin	30.00	2.	Quercetin	20.00	3.	Doxofylline	15.00	4.	Troxerutin	15.00	5.	Ambroxol Hydrochloride and its intermediate (2 Amino 3,5-dibromo Benzaldehyde)	5.00	6.	Itopride Hydrochloride	5.00	7.	Febuxostat	3.00	8.	Fexofenadine Hydrochloride	3.00	9.	N-Methyl-1-NaphthylMethylamineHCl	3.00	10.	Acebrophylline	3.00	11.	Diacerein	3.00	<p><b>Complied</b></p> <p>Plot Area &lt; 23760 M<sup>2</sup></p> <p>Project cost &lt; Rs. 8.7046</p> <p>There is no protection area notified under wildlife (Protection) Act &amp; Eco-Sensitive area Notified under section 3 of the EP(A) 1986 within 10 KM distance</p> <p>We have obtained CTE/CTO- Change in Product Mix and obtained products as submitted in table.</p> <p>Production is within permitted limit. Month wise production details is provided in <b>Annexure-1.</b></p>
Sr. No.	Name of Product	Production Capacity TPM																																																																														
1	1- Acety) Naphthaiene	2.00																																																																														
2	2- Acetyl Naphthalene	1.00																																																																														
3	ItopideHCT	6.00																																																																														
4	Loxapine Succinate	1.20																																																																														
5	Amoxapine	0.30																																																																														
6	Venlafaxine	6.00																																																																														
7	ProgunitHCl	6.00																																																																														
8	CB-2-L-Valine	6.00																																																																														
9	Nateglinide	0.60																																																																														
10	Quetiapine	0.60																																																																														
11	Carbomazepin	24.00																																																																														
12	OxaCarbomazepin	12.00																																																																														
	Total	65.70																																																																														
Sr. No.	Name of Product	Production Capacity TPM																																																																														
1.	Pure Rutin	30.00																																																																														
2.	Quercetin	20.00																																																																														
3.	Doxofylline	15.00																																																																														
4.	Troxerutin	15.00																																																																														
5.	Ambroxol Hydrochloride and its intermediate (2 Amino 3,5-dibromo Benzaldehyde)	5.00																																																																														
6.	Itopride Hydrochloride	5.00																																																																														
7.	Febuxostat	3.00																																																																														
8.	Fexofenadine Hydrochloride	3.00																																																																														
9.	N-Methyl-1-NaphthylMethylamineHCl	3.00																																																																														
10.	Acebrophylline	3.00																																																																														
11.	Diacerein	3.00																																																																														

12.	Crude Diacerein	2.30
13.	Iron Polymaltose	2.00
14.	Choline Fenofibrate	2.00
15.	Tranexamic Acid	2.00
16.	Flavoxate Hydrochloride & Intermediate (3-Methylflavone -8-Carboxylic Acid)	2.00
17.	S-Metoprolol Succinate	2.00
18.	Betahistine Dihydrochloride	2.00
19.	Xanthinol Nicotinate	1.00
20.	Fenofibrate	1.00
21.	Pamabrom	1.00
22.	Venlafexine hydrochloride	1.00
23.	Tadalafil	1.00
24.	Tapentadol Hydrochloride	1.00
25.	Linezolid	1.00
26.	Eslicarbazepine Acetate	1.00
27.	Sevelamer Carbonate	1.00
28.	Sevelamer Hydrochloride	1.00
29.	DesmethylVenlafexineSuccinate Monohydrate	0.50
30.	Alpha Lipoic Acid	0.50
31.	L-Methylfolate	0.50
32.	Dapoxetine Hydrochloride	0.25
33.	Tauroursodeoxycholic Acid	0.20
34.	Indapamide	0.10
35.	Azilsartanmedoxomil Potassium Salt	0.10
36.	Proguanil Hydrochloride	0.10
37.	Olopatadine Hydrochloride	0.05
	<b>TOTAL</b>	<b>131.60</b>
<b>Details of By-Products</b>		
1	Potassium Acetate Solution	7.00
2	Sodium Bromide Solution	26.00
3	Hydro Bromide Solution	45.00
4	Acetic Acid & Hydro bromide Solution	5.00
	<b>Total</b>	<b>83.00</b>

**After Obtain Change in Products Mix**

<b>Sr. No.</b>	<b>Name of Products</b>	<b>Total Quantity MT/Month</b>
1.	Pure Rutin (Rutoside Trihydrate)	10
2.	Quercetin	2
3.	Doxofyline	3
4.	Ambroxol hydrochloride and its intermediate (2 Amino 3, 5- dibromo Benzaldehyde)	3
5.	Itopride hydrochloride	3.5

6.	Febuxostat	4
7.	Fexofenadine hydrochloride	1
8.	N-Methyl-1-Naphthyl MethylamineHCl	7
9.	Acebrophylline	3
10.	Diacerein	2
11.	Choline Fenofibrate	2
12.	Tranexamic Acid	17
13.	Flavoxate Hydrochloride & Intermediate(3- Methylflavone -8-Carboxylic Acid)	1.2
14.	Betahistine Dihydrochloride	2
15.	Xanthinol Nicotinate	1
16.	Fenofibrate	1
17.	Pamabrom	1
18.	Venlafexine hydrochloride	1
19.	Tadalafil	1
20.	Tapentadol hydrochloride	2.5
21.	Eslicarbazepine Acetate	1
22.	Sevelamer Hydrochloride	
23.	Sevelamer Carbonate	6
24.	Desmethyl Venlafexine Succinate Monohydrate	2
25.	Dapoxetine Hydrochloride	0.5
26.	Azilsartan medoxomil potassiumsalt	5
27.	Benfotiamine	5
28.	Benzonatate	1.5
29.	Pramiracetam	3
30.	Sacubitril ValsartanTrisodium Salt	5
31.	Obeticholic Acid	2
32.	Trelagliptin Succinate	1.4
33.	Brivarecetam	1
34.	Tenelagliptin HydrobromideHydrate	4
35.	Ambroxol HCl (From AmroxolBase	12
36.	Vonoparazon Fumartae	2
37.	Fimasartan Potassium Trihydrate	1
38.	Vildagliptin	1.5
39.	Olmesartan Medoxomil	2
40.	Luliconazole	1
	<b>TOTAL</b>	<b>125.1</b>

3.0	<p>Bag filter will be provided to the coal fired boiler to control particular emissions. Scrubber will be provided to the process vents to control process emissions viz HCl and SO<sub>2</sub>. Total freshwater requirement from the ground water source will be increased from 34.53 m<sup>3</sup>/day to 85 m<sup>3</sup>/day. Industrial effluent generation will be increased from 9.35 m<sup>3</sup>/day to 79.5 m<sup>3</sup>/day after expansion. Effluent will be segregated into High COD/TDS and low COD/TDS effluent streams. High TDS/COD will be passed through stripper followed by Multiple Effect Evaporator (MEE). Low TDS effluent stream and condensate shall be treated in effluent treatment plant (ETP) and then sent to common effluent treatment plant (CETP) for further treatment. Highly concentrated effluent will be sent to captive incinerator for incineration. Process organic residue and spent carbon will be sent to cement industries for co-processing, ETP sludge, process inorganic &amp; evaporation salt, incineration ash will be disposed off to the TSDF, The ash from boiler should be sold to brick manufactures/cement industry. Used oil and spent catalyst will be sent to the authorized re-processors/recycler.</p>	<p>Bag filter provided to the biofuel / coal fired boilers. Scrubbers are provided to the process vents to control process emissions Fresh water consumption quantity, wastewater generation quantity within permissible limit. Monthly Water Consumption and Wastewater Generation / Discharge Attached as ANNEXURE – 2 and 3. As Per Last CCA-Amendment, Treatment scheme is as below: The quantity of the industrial effluent to be generated from the manufacturing process and other ancillary industrial operations shall not exceed 113.05 KL/Day, which shall be treated separately for dilute stream and concentrate stream. Unit shall operate MEE with ATFD, ETP units efficiently and recovered effluent shall be reused in utilities (41.54 KL/D) and final treated effluent (59.82 KL/D) confirming following discharge standard shall be sent to CETP - EICL through notified / dedicated tankers for further treatment and disposal. Effluent Treatment Scheme and Diagram attached as ANNEXURE –4. Process organic residue and spent carbon is sent to cement industries for co-processing, ETP sludge, process inorganic &amp; evaporation salt is disposed of to the TSDF, the ash from boiler is sold to brick manufactures / cement industry. Used oil and spent catalyst is sent to the authorized re-processors/recycler.</p>
4.0	Public hearings/public consultation was held on 1 <sup>st</sup> October, 2014.	Yes, Public hearings/ public consultation was held on 1 <sup>st</sup> October, 2014.
5.0	All Synthetic Organic Chemicals Industry located outside the notified industrial area/estate are listed at S.N. 5(1) under category 'A' and appraised at Central level.	We Applied and Obtain Environmental Clearance under category 'A' from MOEF CC Delhi.
6.0	The proposal was considered by the Expert Appraisal Committee (Industry) in its meetings held during 5 <sup>th</sup> -7 <sup>th</sup> August, 2013. 20 <sup>th</sup> -21 <sup>st</sup> January 2015. 30 <sup>th</sup> November, 2015 1 <sup>st</sup> December, 2015 respectively. Project Proponent and the EIA Consultant namely M/s. Envisafe Environmental Consultants, have presented EIA / EMP report as per the TOR. EAC has found the EIA / EMP report and additional information to be satisfactory and in full consonance with the presented TORs. The Committee recommended the proposal for environmental clearance.	Environment Clearance is obtained :J-11011/10/2013-IAII(I)

7.0	Based on the information submitted by the project proponent, the ministry of Environment and Forests hereby accords environmental clearance to above project under the provisions of EIA Notification dated 14 <sup>th</sup> September 2006. Subject to the compliance of the following Specific and General Conditions.:	Noted & shall be complied
<b>(A) SPECIFIC CONDITIONS</b>		
1.	National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July 2010 and amended time to time shall be followed by the unit.	Complied  Company is doing Environment monitoring with NABL Accredited Environment laboratories and monitoring result is submit in GPCB on monthly base.
2.	Bag filter shall be provided to the coal fired boiler to control particulate emissions within permissible limit. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.	Complied  We are using biofuel as a fuel and Particulate Emission is controlled by providing Bag filter and Additional Water Scrubber to comply with emission norms prescribed by GPCB  Flue gas Stack Monitoring data are attached as per <b>ANNEXURE – 5</b>
3.	Scrubber shall be provided to control process emissions viz. HCI and SO2. The scrubbing media shall be sent to effluent treatment plant (ETP) for treatment. Efficiency of scrubber shall be monitored regularly and maintained properly. At no time, the emission levels shall go beyond the prescribed standards.	Complied  Scrubbers have been provided to control the process emission. Scrubbing solution from Scrubber is sent to ETP for further treatment and disposal. Scrubbers are working efficiently to achieve emission norms prescribed by GPCB.  Process Stack Monitoring data are enclosed as <b>ANNEXURE - 6.</b>

4.	<p>In plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling &amp; conveyance of chemicals/materials, multi cyclone separator and water sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emissions. Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored; Odour management plan shall be implemented.</p>	<p><b>Complied</b></p> <p>To control for fugitive emissions providing closed storage, closed handling &amp; conveyance of chemicals/materials, multi cyclone separator and water sprinkling system. Dust suppression system including water sprinkling system provided at loading and unloading areas to control dust emissions. Fugitive emissions in the work zone environment, product, raw materials storage area etc. Monthly Ambient Air Quality Monitoring and Quarterly work zone environment, product, raw materials storage area etc. Carry out By NABL Accreditation Lab. Monthly Report of Ambient Air Quality Monitoring (AAQM) and Quarterly Workplace Monitoring Report are attached as <b>ANNEXURE -7 and 8</b>. Which are complying with prescribed norms</p> <p>The manufacturing of products accorded through EC dated 11/02/2016 has been commenced in May 2017.</p>
5.	<p>Solvent management shall be carried out as follows:</p> <p>i. Chilled brine circulation system shall be provided to condensate solvent vapors and reduce solvent losses. It shall be ensured that solvent recovery should not be less than 95%.</p> <p>ii. Reactor and solvent handling pump shall have mechanical seals to prevent leakages.</p> <p>iii. The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 95% recovery</p> <p>iv. Solvents shall be stored in a separate space specified with all safety measures.</p> <p>v. Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.</p> <p>vi. Entire plant shall be flame proof. The solvent storage tanks should be provided with breather valve to prevent losses.</p>	<p><b>Complied</b></p> <p>Following precautions have been taken to maximize the solvent recovery and it is also ensured that the solvent recovery is more than 95%.</p> <ul style="list-style-type: none"> <li>• We have provided three stage condenser systems.</li> <li>• The vent condenser is having chilled water circulation while main vapor condenser and product condenser are having cooling water circulation.</li> <li>• The condensers are provided with the sufficient heat transfer area and residence time to achieve maximum recovery.</li> </ul> <p>We are maintaining all the record for the solvent consumption and recovery during the manufacturing activity.</p>
6.	<p>The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.</p>	<p><b>Complied</b></p> <p>We have replaced D.G. Sets with 2000 KVA x 2Nos with Acoustic enclosure and adequate stack height.</p>

7.	The company shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the Regional office of MOEF, the respective Zonal office of CPCB and the GPCB. The levels of PM10, PM2.5, SO <sub>2</sub> , NO <sub>x</sub> , HCl, VOC and CO in ambient air and emissions from the stacks shall be monitored and displayed at a convenient location near the main gate of the company and at important public places.	<p><b>Complied</b></p> <p>Six monthly EC Compliance report is regularly uploaded &amp; submitted to office of MoEF &amp; CC, CPCB</p> <p>We are displaying the results of stack emission and ambient air in Display board which is provided at the main gate of the company.</p>
8.	Total freshwater requirement from ground water source shall not exceed 85 m <sup>3</sup> /day and prior permission shall be obtained from the CGWA/SGWA.	<p><b>Complied</b></p> <p>We have already obtained permission from CGWA valid up to August 2022 Scan copy of CGWA NOC attached here with <b>ANNEXURE: 9</b></p>
9.	Industrial effluent generation shall not exceed 79.5 m <sup>3</sup> /day. Trade effluent shall be segregated into High COD/TDS and Low COD/TDS effluent streams. High TDS/COD shall be passed through stripper followed by MEE. Low TDS effluent stream and condensate shall be treated in ETP and then sent to CETP for further treatment. Highly concentrated effluent will be sent to captive incinerator for incineration.	<p><b>Complied</b></p> <p>We have segregated effluent into high COD/TDS and low COD/TDS streams. High TDS/COD is passed through stripper followed by MEE. Low TDS effluent stream and condensate is treated in ETP and then sent to CETP of M/s. EICL (Enviro infrastructure Company Limited for further treatment and final disposal.</p> <p>We are regularly maintaining wastewater generation records and are updated on GPCB XGN. Enclosed Submitted as <b>ANNEXURE -3.</b></p> <p><b>Company has stop in-house spray dryer from Sept 2020 onward</b></p> <p><b>Analysis report of Wastewater Attached Annexure – 10.</b></p>
10.	Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	<p><b>Complied</b></p> <p>All necessary measure taken has been taken to avoid Contamination of wastewater with Stormwater.</p> <p>We have provided 20 KL storm water collection tank before disposed effluent outside premises and we are check storm water before dispose rainwater and any contamination found in rainwater then transfer into ETP for further treatment.</p>



11.	Treated effluent should be passed through guard pond. Online monitoring system (24 x 7 monitoring devices) for pH meter, flow meter and TOC analyzer should be installed. Efforts shall be also made to explore the possibility of recycling/reuse of the treated effluent. The data to be made available to the respective SPCB and in the Company's website.	<p><b>Complied</b></p> <p>We have already installed magnetic flow meter on final outlet of ETP</p> <p>We are member of CETP so online pH meter &amp; TOC meter is not applicable</p> <p>We have installed RO as tertiary treatment in ETP and RO treated water has recycle in cooling tower.</p>
12.	Hazardous chemicals shall be stored in tanks in tank farms, drums, carboys etc. Flame arresters shall be provided ontank farm. Solvent transfer shall be by pumps.	<p><b>Complied</b></p> <p>Hazardous Chemicals is stored in tank &amp; Drums in tank fame only, Flame arresters is provided on tank and solvent are transfer through flame pump only.</p>
13.	As proposed, process organic residue and spent carbon shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt and incineration ash shall be disposed off to the TSDF. The ash from boiler shall be sold to brick manufacturers/cement industry.	<p><b>Complied</b></p> <p>We are sent process organic residue/distillation residue and spent carbon to RSPL Panoli &amp; GIO Green Svali, which are preprocessing unit, which is ultimate disposed to cement industries.</p> <p>ETP Sludge, process inorganic, MEE salt disposed off to M/s Safe Enviro Pvt Ltd which approved TSDF.</p>
14.	The company shall obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous Waste (Management, Handling and Trans- Boundary Movement) Rules, 2008 and amended as on date for management of Hazardous wastes and prior permission from GPCB shall be obtained for disposal of solid / hazardous waste in the TSDF. Measures shall be taken for firefighting facilities in case of emergency. Membership of TSDF for hazardous waste disposal shall be obtained.	<p><b>Complied</b></p> <ul style="list-style-type: none"> <li>• Company has taken authorization for hazardous waste disposal vide latter no. AWH 100220 valid up to 30.09.2023.</li> <li>• We have provided isolated storage area @ 1341 sq. m having impervious floor and roof cover system for the storage of hazardous waste.</li> <li>• Hazardous waste disposed through manifest system &amp; GPS vehicle only</li> <li>• We have obtained TSDF membership of M/s. M/s Safe Enviro Pvt. Ltd. Bharuch.</li> <li>• We have taken membership of RSPL Panoli &amp; Gio Cleaner LLP Svali for disposal distillation residue &amp; Spent carbon etc.</li> <li>• We are sales some of waste like discard drums &amp; spent solvent under rule 9 to GPCB authorized vendor only</li> </ul>

		<ul style="list-style-type: none"> <li>Membership Certificate of TSDF and Pre processing facilities are enclosed as <b>ANNEXURE 11.</b></li> </ul>
15.	Incinerator shall meet the requirement of CPCB norms.	We have removed Incinerator and Spray Dryer and we have installed MEE for improved better treatment of Effluent
16.	The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals(MSIHC) Rules, 1989 as amended in October 1994 and January 2000. All Transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989	<p><b>Complied</b></p> <p>Adequate safety measures are being taken during Manufacturing, storage &amp; Handling of Hazardous Chemicals and we are complying with all the rules &amp; regulation under the MSIHC Rules, 1989</p>
17.	Fly ash should be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with the storm water. Direct exposure of workers to fly ash & dust should be avoided.	<p><b>Complied</b></p> <p>Due to remove of coal-based incineration system and also using biofuel in existing boiler and TFH so fly ash generation is almost Nil.</p>
18.	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.	<p><b>Complied</b></p> <p>Following facilities provided to control fire hazard</p> <ul style="list-style-type: none"> <li>As per the norms, we have provided firefighting system such as, fire water reservoir of 750 KL and fire hydrant line network covering all the plant area. And at various given locations in the plant different type of fire extinguisher has been provided. Details of same have been submitted in previous compliance.</li> <li>All the employees are given firefighting and safety training by our EHS Department. The records of training given to the employees are maintained. Trained person is also available in all shifts.</li> <li>Safety audit is carried out by industrial safety consults every year. We also implement all the recommendation given by them in due course.</li> </ul>

19.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	<p><b>Complied,</b></p> <p>Occupational Health Surveillance Program is conducted regularly for all employees. we have conducted last surveillance between 06.06.2022 to 08.06.2022.</p> <p>We have an in-house OHC Facility and Dr. VINAY BAROT, M.B.B.S, CIH has been appointed as full time FMO, for the medical examination and treatment of the employees.</p>
20.	As proposed, green belt over 8450 m2 land shall be developed within plant premises with at least 10-meter-wide green belt on all sides along the periphery of the project area, in downward direction, and along roadsides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.	<p><b>Shall be Complied,</b></p> <p>We have developed green belt as per requirement Photograph of Green Belt Area Attached as <b>ANNEXURE – 11.</b></p>
21.	All the commitments made to the public during the Public Hearing/Public Consultation meeting held on 1st October 2014 should be satisfactorily implemented and a separate budget for implementing the same should be allocated. Five-year plan to be drawn based on need and concerned raised during public hearing and information submitted to the Ministry's Regional Office at Bhopal.	<p><b>Complied,</b></p> <p>We are complying with all the commitment made during public hearing held on 1st October 2014.</p>
22.	Provision shall be made for the housing for the construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.	<p><b>Complied,</b></p> <p>We had provided housing for the labor within site during project activity.</p>
<b>(B)</b>	<b>GENERAL CONDITIONS:</b>	

1.	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any other statutory authority.	<p><b>Complied,</b></p> <p>We have obtained Consent to Operate (CTO/ CC&amp;A) from GPCB vide order No. AWH-102220 dated 22/03/2019, which is valid up to 30/09/2023. then after we obtain CTO amendment for change in Product mix, we are complying the conditions as stipulated in Consent to Operate (CTE / CC&amp;A) with respect to productions, generations of effluent, stack emission, ambient air quality and hazardous waste and its disposal.</p> <p>Copy of CC&amp;A attached as per <b>ANNEXURE: 12</b></p>
2.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if Any	<p><b>Noted &amp; shall be complied,</b></p> <p>Looking to the market scenario in bulk drug field we had Applied and obtain CTO for change in product mix at GPCB as per notification of J- 11013/41/2006-IA-II(I)(part-1) dated 15 January 2008 and amended notification S.O. 3518 (E) Dated 23/11/2016</p>
3.	The locations of ambient air quality monitoring stations shall be decided in consultation with the Gujarat Pollution Control Board (GPCB) and it shall be ensured that at least one station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	<p><b>Complied,</b></p> <p>Regular ambient air monitoring is carried out at TWO locations through NABL approved laboratory. The copy of report of compliance period is attached as <b>Annexure-7</b>.</p>
4.	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc, on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75dBA (daytime) and 70 dBA (night time).	<p><b>Complied,</b></p> <p>We have provided following noise control measures to control the noise level</p> <ul style="list-style-type: none"> <li>• Plant machineries having latest technologies have been installed.</li> <li>• The maintenance of machinery is carried out regularly.</li> <li>• At regular time of interval proper oiling and lubricating is done to the machineries.</li> <li>• The PPE like ear plug/ earmuff has been provided to the workers working in high noise area.</li> </ul> <p>We are maintaining noise level as per standard stipulated by GPCB/CPCB. The noise monitoring is carried out</p>

		regularly through NABL approved laboratory. Refer ANNEXURE – 14 for Noise Monitoring report.
5.	The Company shall harvest rainwater from the roof-tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	<p><b>Not Applicable</b></p> <p>Ours is a chemical industry hence rainwater harvesting facility is not provided within our premises considering the risk of ground water contamination as suggested by hydrology consultants in EIA report. We have approached the nearest Gram panchayat Kharakadi to adopt the village pond and develop rainwater harvesting system as per the requirement of the CGWB.</p>
6.	During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixing of accidental spillages with domestic wastewater and storm water drains.	<p><b>Complied</b></p> <p>Material has been transferred though fix line only, Storm water garland drains dyke wall has been provided to avoided mixing of any spillage with domestic waste water. Photograph storm water drainage attached here with ANNEXURE :14</p>
7.	Usage of Personnel Protection Equipment by allemployees/ workers shall be ensured.	<p><b>Complied</b></p> <p>Zero Tolerance Policy with respect to PPEs compliance is in place. We have provided good quality of personal protective equipment's (PPEs) and we always make sure PPEs are being used as per the requirement. We also carry out fit test for PPEs.</p>
8.	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	<p><b>Complied</b></p> <p>Induction training to all employees at the time of joining is being imparted on various topics of Health and Safety aspects.</p> <p>Refresher training is also provided to all employees on various subject like need of safety, MSDS, Solvent Safety, Static Electricity, BBS, Fire Fighting, SCBA, Awareness on Chemical and Process Safety, Equipment safety, First Aid, Work Permit system, Laboratory Safety, Basic Electrical Safety etc.</p> <p>Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis.</p> <p>In addition to that, we celebrate 4<sup>th</sup></p>

		<p>March (Safety Week) and 5<sup>th</sup> June (Environment Day) celebration for motivation &amp; training.  Training Photograph Attached as <b>ANNEXURE – 16</b>,  Safety Week Celebration Photograph and Environment Day celebration photos attached as <b>ANNEXURE – 17</b>.</p>
9.	<p>The company shall also comply with all the environmental protection measures and safeguards proposed in the project report submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.</p>	<p><b>Complied</b></p> <p>We are also complying environmental protection measures and safeguards proposed and recommendations made in the EIA/EMP reports.</p>
10.	<p>The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.</p>	<p><b>Complied</b></p> <p>We start to take eco development measure for the overall improvement of the environment</p>
11.	<p>A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.</p>	<p><b>Complied</b></p> <ul style="list-style-type: none"> <li>• We have formed a separate Environmental Management Cell and appointed the qualified persons as Sr. Manager (EHS) to take over the independent charge of the EMC. He is reporting directly to Top Management</li> <li>• To analyze the effluent to check critical parameters viz. pH, COD and TDS in-house laboratory have been established. GPCB approved consultant have been appointed for the regular monitoring of all environmental parameters.</li> </ul>
12	<p>The company shall earmark sufficient funds for recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.</p>	<p><b>Complied</b></p> <p>Till date, we have incurred Rs. 181 Lacs towards capital investment for the Environment Protection Measures. The recurring cost for the operation and maintenance of the Environment Protection Measures is approx. Rs 21,75,585. We have allotted adequate fund to meet with the recurring cost of Environment Protection Measures and Environmental Management Plan.</p>

13.	A copy of the clearance letter shall be sent by the project proponent to concern Panchayat, Zila Parishad /Municipal Corporation, Urban local Body, and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	<b>Complied</b>  We have already sent Copy of EC latter to gram Panchayat,Zila Parishad /Municipal Corporation, Urban local Body, and the local NGO
14.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data(both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the Gujarat Pollution Control Board. A copy of Environmental Clearance and six monthly compliance status reports shall be posted on the website of the company.	<b>Complied</b>  The company submits six monthly compliance reports including results of monitoring data of Environmental Clearance to all the concerned regulatory authorities on a regular basis
15	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the Gujarat Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the Company along with the status of compliance of environmental clearance conditions and shall also be sent to the Bhopal Regional Offices of MoEF by e- mail.	Complied  The environmental statement for financial year 2021-22 has been submitted to the state pollution control board. Environment statement attached here with <b>ANNEXURE: 18.</b>
16	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available withthe SPCB/Committee and may also be seen at Website of the Ministry at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the localityconcerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	<b>Complied</b>  We have Complied all Inform the public for accorded environmental Clearance advertised within seven days from the date of issue of the clearance letter. In the local two newspaper vernacular language of the locality concerned and a copy of the same forwarded to the concerned Regional Office of the Ministry.
17	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	<b>Complied</b> Details are already submitted duringearlier compliance
8.0	The Ministry may revoke or suspend the clearance if implementation of any of the above conditions is not satisfactory.	<b>Noted &amp; agreed</b>

9.0	The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time boundmanner will implement these conditions.	<b>Noted &amp; agreed</b>
10.0	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986 Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	<b>Noted &amp; agreed</b>