Ref. No. - IPCA/EHS/2019/ 125
Date: 10/11/2019

To,
The Joint Director
Regional Office, Western Region
Ministry of Environment & Forests, Govt. of India
Kendriya Paryavaran Bhavan,
Link Road No. 3, Ravi Shankar Nagar
Bhopal-462016

Sub : Six Monthly Compliance of EC Conditions.

Ref. : MoEF file No. J-11011/169/2011-IA II(I) dated 22.06.2015

Dear Sir,

With reference to the above subject, we are submitting herewith Six monthly compliance reports for your kind consideration.

We hope that all the document / information as submitted shall be in order.

Thanking you and with regards,

Yours faithfully
For Ipca Laboratories Ltd.

12/11/2019
(Rahul Pradhan)
Unit Head

Encl As above
CC : Member Secretary (SEIAA-Bhopal)

Ipca Laboratories Ltd. Ratlam

EC Specific condition Compliance

<table>
<tr><th>S. No</th><th>Conditions of Environment Clearance</th><th>Status</th><th>Status of Compliance for the period April -2019 to Sep-2019</th></tr>
<tr><td>A</td><td>Specific Conditions</td><td></td><td></td></tr>
<tr><td>1</td><td>• All pollution control and monitoring equipments shall be installed, tested and interlocked with the process .

• Company shall not start operation of the expansion unit unless the pollution control equipments are ready and running.

• SPCB shall grant Consent to Operate after ensuring that all the mentioned pollution control equipments have been installed.</td><td>Complied</td><td>• Details of pollution control and its monitoring is given in following table:
<table>
<tr><th>Pollution Control Measure</th><th>Equipment Installed</th><th>Monitoring equipment's</th><th>Remark</th></tr>
<tr><td>Air</td><td>• Dust Collector
• Multi Cyclone
• Bag Filter and
• Water/ alkaline/ scrubber</td><td>• Monthly monitoring is being done in-house as well as third party analysis done by SMS Envocare limited.</td><td>• Details of APCM are provided in Annexure-01.
• Photographs of APCM are attached as Annexure-02</td></tr>
<tr><td>Water</td><td>• ETP followed by RO, MEE, MVRE and ATFD/Dryer and STP</td><td>• Online meters for pH, COD, BOD,TSS parameter
• Web Camera installed at outlet of Storm Water Drain and emissions from Boiler Stack</td><td>• Details of ETP and STP is given in Annexure-03
• Photographs of online Effluent Monitoring system and Web Camera are attached as Annexure-04</td></tr>
</table>
• All Pollution control equipment's remain operational round the clock and we have power back-up in case of emergency power failure and also excess storage capacity.
• SPCB had granted 'Consent to Operate' after ensuring that all the mentioned pollution control equipment have been</td></tr>
</table>

<table>
<tr><th>S. No</th><th>Conditions of Environment Clearance</th><th>Status</th><th>Status of Compliance for the period April -2019 to Sep-2019</th></tr>
<tr><td></td><td></td><td></td><td>installed. Copy of CTO is attached as Annexure-05. Compliance of the same is attached as Annexure-06</td></tr>
<tr><td>2</td><td>National Emission Standards for Organic Chemicals Manufacturing industry issued by the Ministry vide G.S.R. 608(E) DATE 21st July, 2010 and amended time to time shall be complied by the unit.</td><td>Complied</td><td>National Emission Standards are being followed and accordingly regular monitoring of ambient air, Incinerator & effluent is being done.

Summary of 6 months Average (Apr’2019 to Sep’2019) of Ambient Air Quality Monitoring results are given as below:

<table>
<tr><th colspan="2" rowspan="2">Location of AAQM</th><th colspan="4">Results (permissible limit) & unit in µg/m³</th></tr>
<tr><th>PM10 (100)</th><th>PM2.5 (60)</th><th>SOx (80)</th><th>NOx (80)</th></tr>
<tr><td rowspan="3">Rain water harvesting pond</td><td>Max.</td><td>67.94</td><td>38.29</td><td>19.16</td><td>21.34</td></tr>
<tr><td>Min.</td><td>29.16</td><td>16.66</td><td>9.87</td><td>11.18</td></tr>
<tr><td>Avg.</td><td>44.15</td><td>25.90</td><td>14.86</td><td>17.55</td></tr>
<tr><td rowspan="3">Main Gate (GATE No. 2)</td><td>Max.</td><td>70.83</td><td>33.97</td><td>18.88</td><td>18.80</td></tr>
<tr><td>Min.</td><td>37.50</td><td>20.83</td><td>8.82</td><td>14.44</td></tr>
<tr><td>Avg.</td><td>51.00</td><td>26.69</td><td>14.79</td><td>16.48</td></tr>
<tr><td rowspan="3">Gate No 4 (Near Way Bridge)</td><td>Max.</td><td>66.67</td><td>46.80</td><td>13.88</td><td>20.49</td></tr>
<tr><td>Min.</td><td>41.66</td><td>16.67</td><td>12.10</td><td>12.87</td></tr>
<tr><td>Avg.</td><td>53.82</td><td>28.75</td><td>12.86</td><td>16.43</td></tr>
<tr><td rowspan="3">(Incinerator Area)</td><td>Max.</td><td>50.00</td><td>38.30</td><td>18.15</td><td>24.39</td></tr>
<tr><td>Min.</td><td>29.16</td><td>16.60</td><td>10.97</td><td>15.07</td></tr>
<tr><td>Avg.</td><td>40.28</td><td>25.27</td><td>15.08</td><td>19.31</td></tr>
</table>

Month wise Ambient Air Quality Monitoring results copy is attached as Annexure-07.

Monitoring and testing is carried out by M/s. SMS Envocare Limited, Indore, NABL or MoEF&CC approved laboratory. AAQM latest reports by SMS is attached as Annexure-08.
Apart from this MPPCB has carried out monitoring and testing.</td></tr>
</table>

<table>
<tr><th>S. No</th><th>Conditions of Environment Clearance</th><th>Status</th><th>Status of Compliance for the period April -2019 to Sep-2019</th></tr>
<tr><td></td><td></td><td></td><td>
AAQM reports are attached as Annexure-09.
Summary of 6 months Average (Apr'2019 to Sep'2019) Incinerator stack Monitoring results are given as below:
<table>
<tr><th rowspan="2">Stack attached to</th><th rowspan="2">Range</th><th colspan="4">Results in mg/Nm³ (Permissible limit)</th></tr>
<tr><th>PM (50)</th><th>SOx (200)</th><th>CO (100)</th><th>TOC (20)</th></tr>
<tr><td rowspan="3">Incinerator</td><td>Max.</td><td>53.1</td><td>40.0</td><td>-</td><td>-</td></tr>
<tr><td>Min.</td><td>33.3</td><td>20.0</td><td>-</td><td>-</td></tr>
<tr><td>Avg.</td><td>41.08</td><td>27.33</td><td>-</td><td>-</td></tr>
</table>
Month wise Incinerator Stack Monitoring results copy is attached as Annexure-10 A. Real time monitoring of incinerator stack is also done.
Incinerator stack Flue gas monitoring latest reports by SMS Envocare are attached as Annexure-11.
Summary of 6 months Average (Apr'2019 to Sep'2019) RO Outlet Monitoring results are given as below:
<table>
<tr><th rowspan="2">Parameter</th><th rowspan="2">Permissible Limit</th><th colspan="3">Results</th></tr>
<tr><th>Max.</th><th>Min.</th><th>Avg.</th></tr>
<tr><td>pH</td><td>5.5 to 9</td><td>6.63</td><td>6.50</td><td>6.60</td></tr>
<tr><td>Suspended Solids (mg/l)</td><td>100</td><td>NIL</td><td>NIL</td><td>NIL</td></tr>
<tr><td>BOD (3 days at 27°C) (mg/l)</td><td>30</td><td>4.95</td><td>4.09</td><td>4.39</td></tr>
<tr><td>COD (mg/l)</td><td>250</td><td>29.63</td><td>20.92</td><td>23.44</td></tr>
<tr><td>Oil & Grease (mg/l)</td><td>10</td><td>NIL</td><td>NIL</td><td>NIL</td></tr>
</table>
Month wise RO Outlet Quality results copy is attached as Annexure-12.
Latest RO Outlet Quality results by MPPCB , copy is attached as Annexure-13.
Latest RO Outlet Quality results by SMS Envocare , copy is attached as Annexure-14.
Summary of STP Outlet Monitoring results are given as below:
</td></tr>
</table>

<table>
<tr><th>S. No</th><th>Conditions of Environment Clearance</th><th>Status</th><th>Status of Compliance for the period April -2019 to Sep-2019</th></tr>
<tr><td></td><td></td><td></td><td>
<table>
<tr><th>Parameter</th><th>Permissible Limit</th><th>Results</th></tr>
<tr><td>pH</td><td>6.5 to 9</td><td>7.88</td></tr>
<tr><td>Suspended Solids (mg/l)</td><td>100</td><td>12.0</td></tr>
<tr><td>COD (mg/l)</td><td>250</td><td>48.2</td></tr>
<tr><td>BOD 3 Days 270^{0}C (mg/l)</td><td>30</td><td>12.3</td></tr>
<tr><td>Oil and Grease (mg/l)</td><td>10</td><td>Nil</td></tr>
<tr><td>Fecal Coliform (MPN/100ml)</td><td><1000 (MPN/100ml)</td><td>9</td></tr>
</table>
Month wise STP Outlet Quality results copy is attached as Annexure-15

STP Outlet Quality monitoring report by SMS Envocare is attached herewith as Annexure-16
</td></tr>
<tr><td>3</td><td>Multi-cyclone followed by 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/MPPCB guidelines.</td><td>Complied</td><td>Multi-cyclone followed by bag filter is provided to boiler to control particulate emissions within permissible limit. The height of the stacks is 30 mtrs. ,Which is in line with CPCB/MPPCB guidelines .

Summary of 6 months Average (Apr’2019 to Sep’2019) Boiler Stacks Monitoring results are given as below:
<table>
<tr><th rowspan="2">Stack attached to</th><th rowspan="2">Range</th><th colspan="2">Results in mg/Nm^3 (Permissible limit)</th></tr>
<tr><th>PM (150)</th><th>SOx (100)</th></tr>
<tr><td rowspan="3">Boiler-1&2 (Common Stack)</td><td>Max.</td><td>127.9</td><td>36.0</td></tr>
<tr><td>Min.</td><td>81.9</td><td>20.4</td></tr>
<tr><td>Average</td><td>103.79</td><td>29.07</td></tr>
<tr><td rowspan="3">Boiler-3</td><td>Max.</td><td>113.3</td><td>34.0</td></tr>
<tr><td>Min.</td><td>78.1</td><td>22.0</td></tr>
<tr><td>Average</td><td>95.6</td><td>25.0</td></tr>
<tr><td rowspan="2">Boiler-4</td><td>Max.</td><td>124.6</td><td>38.0</td></tr>
<tr><td>Min.</td><td>77.4</td><td>20.0</td></tr>
</table>
</td></tr>
</table>

S. No	Conditions of Environment Clearance	Status	Status of Compliance for the period April -2019 to Sep-2019
			<table><tr><td></td><td>Average</td><td>95.82</td><td>27.67</td></tr><tr><td rowspan="3">Boiler-5</td><td>Max.</td><td>115.8</td><td>44.0</td></tr><tr><td>Min.</td><td>74.2</td><td>26.0</td></tr><tr><td>Average</td><td>98.15</td><td>33.67</td></tr></table> Note : Maximum 3 out of 5 No. of Boilers remain operational at a time. Month wise Boiler Stack Monitoring (In-house) results copy is attached as Annexure-17. Boiler Stack monitoring Results by MPPCB , Copy is attached as Annexure-18. Boiler Stack monitoring Results by SMS Envocare , Copy is attached as Annexure-19.
4	Two stage chilled water/ caustic scrubber should be provided to process vent to control HCl. Two stage scrubbers with caustic lye media solution should be provided to process vent to control SO_2. The scrubbing media should be sent to effluent treatment plant (ETP) for treatment. Efficiency of scrubber should be monitored regularly and maintained properly. At no time, the emission levels should go beyond the prescribed standards. Scrubbers vent shall be provided with on-line detection and alarm system to indicate higher than permissible value of controlled parameters.	Complied	Water/caustic scrubber is provided to process vents to control HCl. Suitable Scrubbers available as per CPCB Guidelines. (As per Annexure-02) Scrubbers with caustic lye media solution is provided to process vents to control SO_2. Details of Scrubber is provided in Annexure-02 Scrubbing media is sent to ETP for further treatment. Efficiency of scrubber being monitored regularly . Dedicated procedures are there and monitoring records are maintained The emission levels are not going beyond the prescribed standards. As per EC amendment letter Point No 4 ,no. F.N. J-11011/169/2011-1AII (I) dated 28.03.2016 correction made in EC condition , accordingly no online monitoring system with stacks are required and hence no online monitoring system is considered . As per CPCB guidelines as well, Online Monitoring of Scrubbers not required for Pharmaceutical Industries.
5	Ambient air quality data shall be collected as per NAAEQS standards **notified** by the Ministry vide G.S.R. No. 826(E) dated 16 September, 2009. The level of PM_{10}, $PM_{2.5}$, SO_2, NO_x, VOC, CO, HCL shall be monitored in the ambient air and emission from the stacks and displayed at convenient location near the main gate of the company and at	Complied	National Emission Standards are being followed and accordingly regular monitoring of ambient air quality is being done. Summary of 6 months Average (Apr'2019 to Sep'2019) Ambient Air Quality Monitoring results are given as below:

S. No	Conditions of Environment Clearance	Status	Status of Compliance for the period April -2019 to Sep-2019
	important public places. The company shall upload the 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 CPBP and MP Pollution Control Board (MPPCB).		

Location of AAQM		Results (permissible limit) & unit in µg/m³			
		PM_{10} (100)	$PM_{2.5}$ (60)	SOx (80)	NOx (80)
Rain water harvesting pond	Max.	67.94	38.29	19.16	21.34
	Min.	29.16	16.66	9.87	11.18
	Avg.	44.15	25.90	14.86	17.55
Main Gate (GATE No. 2)	Max.	70.83	33.97	18.88	18.80
	Min.	37.50	20.83	8.82	14.44
	Avg.	51.00	26.69	14.79	16.48
Gate No 4 (Near Way Bridge)	Max.	66.67	46.80	13.88	20.49
	Min.	41.66	16.67	12.10	12.87
	Avg.	53.82	28.75	12.86	16.43
(Incinerator Area)	Max.	50.00	38.30	18.15	24.39
	Min.	29.16	16.60	10.97	15.07
	Avg.	40.28	25.27	15.08	19.31

Monitoring and testing is carried out by M/s. SMS Envocare Limited, Indore, NABL or MoEF& CC approved laboratory.

Apart from this MPPCB, Ujjain has carried out monitoring and testing. AAQM reports are attached as Annexure-09

Results of the same are being displayed on main gate.

Copy of these results are regularly shared with Regional office of MOEF, the respective zonal office of CPCB and MP Pollution Control Board (MPPCB).

S. No	Conditions of Environment Clearance	Status	Status of Compliance for the period April -2019 to Sep-2019
6.	• 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 & 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 material storage area etc. Shall be regularly monitored. • The emissions shall conform to the limits stipulated by the MPPCB.	Complied	In order to control fugitive emissions materials / chemicals are handled in closed system. Suitable dust extractor and collection systems are provided in Powder Process areas. All our Raw materials are coming in closed containers and hence there is no dust emission at loading/Unloading areas of Warehouses, however at Boiler Area, dust is suppressed by manual sprinkling of water. All our batch charging takes place in closed systems . Monitoring for work place is carried out at regular interval of Six Months. It is carried out for parameters like Dust, VOC etc. at various locations (identified the location in nos. or area). Monitoring is done by third party (Precitech Laboratories). Latest Copy of Workplace monitoring is attached as Annexure-20 All emissions are within stipulated limits of MPPCB.
7.	For further control of fugitive emissions, following steps shall be followed :- 1. Closed handling system shall be provided for chemicals. 2. Reflux condenser shall be provided over reactor. 3. System of leak detection and repair of pump/pipeline based on preventive maintenance. 4. The acids shall be taken from storage tanks to reactors through closed pipeline. Storage tanks shall be vented through trap receiver and condenser operated on chilled water. 5. Cathodic protection shall be provided to the underground solvent storage tanks.	Complied	1. Yes we have closed handling system for chemicals i.e. storage tank pumps and pipelines with day storage tank. 2. Yes it is available on each reactor . 3. We have preventive maintenance schedule for all the equipments installed at site for addressing the issues of leakages & repairs. 4. Yes, the acids are transferred from storage tanks to reactors through closed pipeline. Storage tanks shall be vented through trap receiver and condenser operated on chilled water. 5. It was done at the time of installation of tanks.

S. No	Conditions of Environment Clearance	Status	Status of Compliance for the period April -2019 to Sep-2019
8.	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.	Complied	Adequate stack height is provided for all the DG sets. Stack Emission is being monitored by third party. Similarly suitable acoustic enclosures are provided. Refer attached Annexure-21.
9.	Solvent management shall be carried out as follows: A) Reactor shall be connected to chilled brine condenser system. B) Reactor and solvent handling pump shall have mechanical seals to prevent leakages. C) The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 95%recovery. D) Solvents shall be stored in a separate space specified with all safety measures. E) Proper earthing shall be provided in all the electrical equipments wherever solvent handling is done. F)Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses. g) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.	Complied	A. Reactors condensers are connected with necessary cooling arrangement like Brine, Chilling, Cooling water etc. B. Mechanical seal pumps are used for handling of solvent. C. For effective recovery efficient condensers has been installed after calculating required HTA . D. Solvent are stored separately as per PESO norms . PESO permission letter is attached as Annexure-22. E. Proper earthing has been provided to all equipments once in a year and regular inspections are done to maintain continuity. Earthing inspection report is attached as Annexure-23 F. All electrical fitting are flame proof in all flammable areas /Zone. Solvent storage tanks has been provided with suitable safety systems like flame arrestors, fire hydrant system etc. Breather valves are also provided in solvent storage tank . G. Same as point A
10	Fresh water requirement from ground water source shall not exceed 786 m3/day and prior permission shall be obtained from the CGWA/SGWA. Fresh water requirement from Municipal Supply shall not exceed 119 m3/day and prior permission shall be obtained from the CGWA/SGWA.	Complied	Fresh water requirement: Total Fresh Water Requirement (Ground Water + Municipal water) 905 KLD. And remaining water requirement (570 KLD) will be fulfilled by recycled/treated effluent. (570+905=1475 KLD). Actual at Site water consumption is average 1455 KLD. NOC for water withdrawal has been attached as Annexure-24. Permission for fresh water supply from municipal is provided in

<table>
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<tr><td></td><td></td><td></td><td>Annexure-25, however they are not giving any water.</td></tr>
<tr><td>11</td><td>Industrial waste water generation shall not exceed 620 m3/day. Industrial waste water/effluent shall be segregated into high COD/TDS and low COD/TDS effluent streams. High TDS/COD effluent stream shall be passed through stripper followed by MEE and agitated thin film drier (ATFD). Low TDS effluent stream shall be treated in ETP and then passed through RO system. Treated effluent shall be reused for cooling tower make up, utilities and horticulture. Sewage shall be treated in STP.</td><td>Complied</td><td>• Waste water Generation:<table><tr><td rowspan="2">S. No.</td><td colspan="3">Waste water Generation in KLD</td></tr><tr><td>Industrial</td><td>Domestic</td><td>Total</td></tr><tr><td colspan="4">As Per EC Received</td></tr><tr><td>1</td><td>620</td><td>140</td><td>760</td></tr><tr><td colspan="4">Actual at Site</td></tr><tr><td>1</td><td>618</td><td>122</td><td>740</td></tr></table>Average Industrial Effluent generation is 740 KLD.
Segregation of high COD/TDS effluent stream like effluent from Plants and low COD/TDS effluent stream like effluent from Utilities is done at site. Details of ETP scheme is given in Annexure-03.
• Details of water Balance is given as Annexure-26</td></tr>
<tr><td>12</td><td>No effluent shall be discharged outside the plant premises and ‘Zero’ effluent discharge shall be maintained.</td><td>Complied</td><td>Already complying being a Zero Liquid Discharge Facility as per attached scheme (Annexure -03).</td></tr>
<tr><td>13</td><td>Automatic/online monitoring system (24*7 monitoring devices) for flow measurement and relevant pollutants in the treatment system to be installed. The data to be made available to the respective SPCB and in the Company’s website.</td><td>Complied</td><td>Automatic /online monitoring system (24*7 monitoring devices) for flow measurement and pH , COD , BOD , SS in the effluent treatment system is already installed and connected with CPCB / MPPCB servers.</td></tr>
<tr><td>14</td><td>Process effluent/any wastewater shall not be allowed to mix with storm water.
Storm water drain shall be passed through guard pond.</td><td>Complied</td><td>Storm water drain constructed and it is ensured that waste water is not mixing in it .
Storm Water drain is passed through a guard pond of adequate capacity</td></tr>
<tr><td>15</td><td>Hazardous chemicals shall be stored in tanks. Tank farms, drums, carboys etc.
Flame arresters shall be provided on tank farm. Solvent transfer shall be by pumps.</td><td>Complied</td><td>As per the condition Hazardous chemicals are stored in tanks. Tank farms, drums, carboys etc.
Flame arresters are provided on tank farm. Solvent are being transferred by pumps.</td></tr>
</table>

S. No	Conditions of Environment Clearance	Status	Status of Compliance for the period April -2019 to Sep-2019
16	High calorific value waste viz. Process organic residue and spent carbon shall be sent to cement industries. Inorganic & evaporation salt and ETP sludge and incinerator ash shall be disposed off to the TSDF. The fly ash from boiler shall be sold to brick manufactures /cement industry. Waste oil and used batteries will be sold to authorized recyclers/re-processors.	Complied	Being complied as per the provisions of Hazardous Waste Management Rules and Authorization obtained from MPPCB. High calorific value waste viz. Process organic residue and spent carbon Already being sent for co-processing with Ultra Tech cement . Inorganic & evaporation salt, ETP sludge and incinerator ash being disposed off to the TSDF of MP Waste Management Project, Pithampur. Waste oil and used batteries being disposed of authorized recyclers/re-processors.
17	Till the remediation of the area is achieved, the unit shall provide water supply to the affected villages under CSR programme.	Complied	Company is providing drinking water to nearby villages.
18	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 MPPCB shall be obtained for disposal of solid /hazardous waste in the TSDF. Measures shall be taken for firefighting facilities in case of emergency.	Complied	The company has obtained Authorization for collection, storage and disposal of hazardous waste under the Hazardous and other waste (Management and Trans-Boundary Movement) Rules, 2016 as on date for management of hazardous wastes and prior permission from MPPCB has also been obtained for disposal of solid /hazardous waste in the TSDF of MP Waste Management Project, Pithampur.
19	The company shall strictly comply with the rules and guideline under manufacturing, Storage and import of Hazardous chemical (MSIHC) Rules, 1989 as amended time to time .All transportation of Hazardous chemical shall be as per motor vehicle Act (MVA), 1989.	Complied	Being complied.
20	Fly ash shall be stored separately as per CPCB guideline so that it shall 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 shall be avoided.	Complied	The Fly Ash being stored separately as per CPCB Guidelines under the shed with continuous sprinkling of water to prevent airborne particles and also contained inside the dyke to prevent flow into the storm water.

S. No	Conditions of Environment Clearance	Status	Status of Compliance for the period April -2019 to Sep-2019
21	The company shall undertake following waste minimization measures: A)Metering and control of quantities of active ingredients to minimize waste. B) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. C) Use of automated filing to minimize spillage. D) Use of close feed system into batch reactors. E) Venting equipment through vapor recovery system. Use of high pressure hoses for equipment cleaning to reduce wastewater generation.	Complied	A) Batch wise quantity is closely monitored. B) Continues efforts are done to optimize raw material consumption and to get maximum yield. Solvents are recovered and reused. C) Being complied D) Hazardous chemicals are handled in close system with suitable operation control procedures. E) Equipment are vented through vapour column followed by primary and secondary condensers for vapour condensation and recovery. F) Equipment are cleaned by high pressure hoses.
22	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms	Complied	It is already available, as per norms and maintained by fire staff.
23	Occupational health surveillance of the worker shall be done on regular basis and records maintained as per the Factories Act.	Complied	It is already practiced. As per SOP and records are being maintained at occupational health center.
24	As proposed, green belt shall be developed in 14.76 ha. Out of total plant area of 40.47 ha. Selection of plant species shall be as per the CPCB guidelines.	Complied	Being complied . There are continual efforts for increasing the Green Belt as per attached Photographs as per Annexure no.27 . Total Green Belt inside the premises is 41.05% of total land area available.

S. No	Conditions of Environment Clearance	Status	Status of Compliance for the period April -2019 to Sep-2019
25	At least 5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on earlier Public Hearing issues, local needs and item-wise detail along with time bound action plan shall be prepared and submitted to the ministry's regional office at Bhopal. Implementation of such program shall be ensured accordingly in a time bound manner.	Complied	Budget available and is executed as per activities planned.
26	The company shall submit within three months their policy towards Corporate environment responsibility which should inter-alia address (i) Standard operating process/procedure to being into focus any infringement/deviation/ violation of environmental or forest norms/conditions, (ii) Hierarchical system or Administrative order of the Company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and (iii) System of reporting of non compliance/violation environmental norms to the Boards of Directors of the company and /or stakeholders or shareholders.	Complied	Complied, Copy of company's CSR Policy is attached as Annexure-28
27	Provision shall be made for the housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile sewage treatment plant, 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.	Complied	Being a small project no on site housing arrangement was planned. Further more project is already in operational phase.