

**SIX-MONTHLY ENVIRONMENTAL COMPLIANCE REPORT**

**(April 2017 To Sept 2017)**

**FOR SUBMISSION TO:**

**MINISTRY OF ENVIRONMENT AND FORESTS (MOEF)**

**SUBMITTED BY:**

**M/S. DELTA FINOCHEM PVT LTD**

**GAT NO. 350 VILLAGE WADIWARHE, TAL IGATPURI, DIST NASHIK -422403**

<b>Conditions of Environmental Clearance</b>	<b>Status of Compliance</b>
<p>Adequate stack height shall be provided to furnace oil fired boiler as per CPCB/MPCB guidelines and continuous real time online emission monitoring system will be installed.</p>	<p>The stack height of the furnace oil fired boiler is as per CPCB/MPCB norms and it is continuously monitored manually.</p>
<p>As proposed, scrubber shall be provided to control process emissions viz. HCl and Bromine. The scrubbing media shall be sent to effluent treatment plant (ETP) for treatment. Efficiency of scrubber shall be monitored regularly and maintain&amp; properly. At no time, the emission levels shall go beyond the prescribed standards</p>	<p>The scrubber lines are provided wherever necessary and the scrubbing media is sent to ETP regularly. Efficiency of the scrubbers is monitored and scrubbers are maintained in proper condition. The emission levels are checked from time to time. A copy of the emission report is enclosed herewith. ( Exhibit 'A' )</p>
<p>Ambient air quality data shall be collected as per NAAEQS standards notified by the Ministry vide G.S.R.No.826 (E) dated 18mSeptember, 2009. The levels of PM 10: S02 NOX, VOC, CO and HCl shall be monitored in the ambient air and emissions from the stacks and displayed at a convenient location near the main gate of the company and at important public places. The company shall upload the results of monitored data on its website and shall update the same periodically. It shall</p>	<p>Ambient air quality is being monitored on regular basis. Copy of the same is enclosed as exhibit 'B'.</p> <p>Results of the same are being displayed on main gate .Copy of these results are shared with Regional office of MOEF, the respective zonal office of CPCB and Mah Pollution Control Board (MPCB).</p>

<p>simultaneously be sent to the Regional office of MOEF, the respective Zonal office of CPCB and the Maharashtra Pollution Control Board (MPCB).</p>	
<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. The emissions shall conform to the limits stipulated by the MPCB.</p>	<p>In order to control fugitive emissions, materials / chemicals are handled in closed system.</p> <p>Suitable dust collectors are provided in required areas. All emissions are within limits of MPCB.</p>
<p>For further control of fugitive emissions, following steps shall be followed :</p> <ol style="list-style-type: none"> <li>1. Closed handling system shall be provided for chemicals.</li> <li>2. Reflux condenser shall be provided over reactor.</li> <li>3. System of leak detection and repair of pump/pipeline based on preventive Maintenance.</li> <li>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.</li> <li>5. Cathodic protection shall be provided to the underground solvent storage tanks.</li> </ol>	<p>We have closed systems for handling of chemicals i.e. storage tanks with pumps and pipelines .</p> <p>Condensers are provided on each reactor.</p> <p>We have preventive maintainance schedule for all the equipments installed.</p> <p>Complied.</p> <p>Cathodic protection is provided to the underground solvent storage</p>

	tanks
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.	The gaseous emissions from DG set are dispersed through as per CPCB standards. Stack height is 7 mtrs. Acoustic enclosure is provided to the DG sets to mitigate the noise pollution
<p>Solvent management shall be carried out as follows :</p> <ol style="list-style-type: none"> <li>I. Reactor shall be connected to chilled brine condenser system</li> <li>II. Reactor and solvent handling pump shall have mechanical seals to prevent leakages.</li> <li>III. The condensers shall be provided with sufficient HTA and residence times to achieve more than 95% recovery.+</li> <li>IV. Solvents shall be stored in a separate space specified with all safety measures</li> </ol>	Complied.
Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done	Proper earthing is provided in all the electrical equipment wherever solvent handling is done.
Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.	Entire plant is flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.
All the solvent storage tanks shall be connected with vent condensers with chilled	Complied.

brine circulation	
Total fresh water requirement from tanker supply shall not exceed 40 m <sup>3</sup> /day. No ground water shall be used	Total fresh water requirement from tanker supply does exceed 40 m <sup>3</sup> /day.
<p>Industrial effluent generation shall not exceed 15m<sup>3</sup>per day as measured by continuous &amp; real time online effluent monitoring system and treated in ETP and then passed through RO system. Sewage will be treated in STP. 'Zero' effluent discharge should be adopted and no effluent will be discharged outside the premises, 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</p> <p>As proposed, process organic residue and spent carbon shall be sent to cement industries. ETP sludge and process inorganic shall be disposed off to the TSDF.</p>	<p>We have adopted a zero discharge system. Hence real time &amp; continuous on line monitoring system is not installed.</p> <p>Hazardous chemicals are stored in tanks, tank farms, drums, carboys etc. Flame arresters are provided on tank farm, Solvent transfer is done by pumps. Over and above, we have also installed a lightning arrester on top of the terrace.</p> <p>The process organic residue and spent carbon and ETP sludge is sent to CHWTSDF authorized by MPCB.</p>
The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All Transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA). 1989.	Complied.
<p>The company shall undertake following waste minimization measures</p> <ol style="list-style-type: none"> <li>Metering and control of quantities of active ingredients to minimize waste.</li> <li>Reuse of by-products from the process as raw material so raw material substitutes in other processes.</li> <li>Use of automated filling to minimize spillage.</li> </ol>	Metering and control of active ingredients is done wherever required. Reuse of by-products from the process as raw material so raw material substitutes in other processes shall be carried out

<p>d. Use of Close Feed system into batch reactors.</p> <p>e. Venting equipment through vapor recovery system.</p> <p>f. Use of high pressure hoses for equipment clearing to reduce waste water generation.</p>	<p>wherever possible. Sub items c to f are observed on regular basis.</p>
<p>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</p>	<p>Adequate fire fighting system has been provided.</p>
<p>At least 5 % of the total cost of the project shall be earmarked towards the Enterprise social responsibility based on Public Hearing issues and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office Bhopal. Implementation of such program shall be ensured accordingly in a time bound manner.</p>	<p>CSR activity shall be carried out as per requirements of the people residing in and around nearby villages.</p>
<p>As proposed green belt over 33 % of the total project area shall be developed within plant premises with at least 10 meter wide green belt on all sides along the project area do inward direction and along road sides etc. Selection of plant</p>	<p>Complied.</p>
<p>The Company shall submit within three months their policy towards Corporate Environment Responsibility which should inter-alia address</p> <p>(i) Standard operating process/procedure to bring into focus any infringement/deviation/ violation of environmental or forest norms/conditions,</p> <p>(ii) Hierarchical system or Administrative order of the Company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and</p> <p>(iii) System of reporting of non compliance /violation environmental norms to the Board of Directors of the company and/or stakeholders or shareholders</p>	<p>Corporate environment policy has been prepared and enclosed herewith for your records please.</p> <p>The standard operating procedures have been prepared and maintained.</p> <p>Non compliance report shall be prepared for the knowledge of stakeholders as and when required.</p>

<p>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, creche 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>	<p>Shall be complied as and when required.</p>
<p>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>	<p>Shall be complied as and when required.</p>
<p>The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) 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>	<p>Complied.</p>
<p>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. 75 dB(A) (day time) and 70 dB(A) (night time).</p>	<p>Complied. The necessary tests are regularly done on quarterly basis.</p>

<p>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>	<p>Due to limitation of the plot area, it is not possible to carry our rain-harvesting . However, as part of CSR activity, we propose to educate the villagers on this issue.</p>
<p>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 regulation. Training to all employees' oil handling of chemicals shall be imparted.</p>	<p>The training on safety and health is ongoing process. For pre employment medical checkup the company has a tie with registered Hospital, all the employees have been physically and medically checked up every year. Chemical handling training is being imparted to the concerned employees from time to time.</p>
<p>Usage of Personnel Protection Equipments (PPEs) by all employees/ workers shall be ensured.</p>	<p>PPE like , hand-gloves, face mask, acid-alkali proof boots , aprons etc are provided to all the employees working on the shop-floor.</p>
<p>The company shall also comply with all the environmental protection measures and safeguards proposed in the documents 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>Implemented.</p>
<p>The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration</p>	<p>CSR activity shall be carried out as per requirements of the people residing in and around nearby villages.</p>
<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>Covered under CSR activity.</p>



<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>Laboratory facility is already available with us.</p>
<p>As proposed, the company shall earmark sufficient funds toward capital cost and 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>Adequate funds shall be provide as and when required</p>
<p>A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad/Municipal Corporation, Urban local Body and the local NGO, if any, from who suggestions/ representations, if any, were received while processing the proposal.</p>	<p>Such suggestions / representations shall be taken into account as and when received.</p>
<p>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 Maharashtra Pollution Control Board. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company</p>	<p>Complied.</p>

<p>The environmental statement for each financial year ending mandated shall be submitted to the concerned State 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 respective Regional Offices of MoEF by e-mail,</p>	<p>The environmental statement for each financial year ending is submitted to the Mah State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended.</p>
<p>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 with the SPCB/Committee and may also be seen at Website of the Ministry at 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 locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.</p>	<p>The public at large has been informed regarding receipt of the Environmental clearance from the Ministry and the copy of the EC has been published in two widely circulated local newspapers, one in local language. The copy of the published notice is enclosed herewith.</p>
<p>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.</p>	<p>Complied.</p>

