



# UNIQUE CHEMICALS

A Division of J. B. CHEMICALS & PHARMACEUTICALS LIMITED

UC/EC/MOEF-B/1801/20

18<sup>th</sup> JAN. 2020

To,  
Adviser  
Ministry of Environment & Forests,  
Western Region Office, Kendriya Paryavaran Bhavan, E-5, Ravi Shankar Nagar, BHOPAL-462016 (M P)

Sub: Half yearly compliance report (JULY.-19 to DEC.-19) to the conditions of EC-Amendment -2019, EC-2018, EC-2007.

- Ref: (1) Environment Clearance- Amendment #: SEIIA/GUJ/EC/5 (f)/596/2019 dated 10<sup>th</sup> APR 2019  
(2) Environment Clearance #: SEIIA/GUJ/EC/5 (f)/660/2018 dated 30<sup>th</sup> JUN 2018  
(3) Environment Clearance #: J-11011/93/2007-IA II (I) dated 8<sup>th</sup> August 2007

Dear Sir,

We are enclosing herewith half yearly compliance report for the period JULY.-2019 TO DEC.-2019 for the Environment Clearance- Amendment -2019 EC-2018 conditions.

(I) The Project proponent was accorded

- (1) Environment Clearance- Amendment #: SEIIA/GUJ/EC/5 (f)/596/2019 dated 10<sup>th</sup> APR 2019  
(2) Environment Clearance #: SEIIA/GUJ/EC/5 (f)/660/2018 dated 30<sup>th</sup> JUN 2018  
(3) Environment Clearance #: J-11011/93/2007-IA II (I) dated 8<sup>th</sup> August 2007

The Project proponent has implemented EC-Amendment 2019 dated 10-04-2019 & EC- 2018 dated 30/06/2018 as more particularly specified in the attached compliance report.

The Project proponent was issued CCA from Gujarat Pollution Control Board for Zero Liquid Discharge 'ZLD' vide their outward no. 360917, 28/06/16 with Reverse Osmosis Plant & Evaporation plant.


Accordingly unit has stopped discharge of treated waste water to Narmada Clean Tec -ANKLESHWAR from 17<sup>th</sup> June 2016. The waste water generated is treated in ETP plant followed by treatment in R-O Plant. The R-O Permeate recovered is used in the Utility. The R-O rejection water is sent to MEE plant. The solid salt collected from ATFD of MEE plant is sent to TSDF site BEIL -Ankleshwar. The Condensate water from MEE plant is sent to ETP plant for treatment.

We hope that the above is in order. In case you need any additional information, we can provide the same on hearing from you.

Thanking you

Yours faithfully

For, UNIQUE CHEMICALS (A div of J B CHEMICALS & PHARMACEUTICALS LTD)

  
UNIQUE CHEMICALS

Div. of J.B. Chemicals & Pharmaceuticals Ltd.)

General Manager, Plot No. 5, Phase IV, G.I.D.C. Panoli.

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CIN: L24390MH1976PLC019380

A. Specific:		Compliance Status																						
A.1 Specific Condition:																								
SN	Description																							
1.	Unit shall not manufacture other than total 68 products as mentioned in the EC-Amendment	<p><i>The Project Proponent manufactures the products as specified in EC-Amendment only. The products manufactured are</i></p> <table border="1"> <thead> <tr> <th>SN</th> <th>Name of Products manufactured</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Diclofenac sodium &amp; derivatives Diclofenac acid, Diclofenac Diethyl Amine, Diclofenac resinate) &amp; intermediate</td> </tr> <tr> <td>2</td> <td>Nifedipine&amp; intermediate</td> </tr> <tr> <td>3</td> <td>Diclofenac Potassium</td> </tr> <tr> <td>4</td> <td>Meclizine</td> </tr> <tr> <td>5</td> <td>Ciprofloxacin</td> </tr> <tr> <td>6</td> <td>Atenolol</td> </tr> <tr> <td>7</td> <td>Cetirizine Hydrochloride</td> </tr> <tr> <td>8</td> <td>Citridipine</td> </tr> <tr> <td>9</td> <td>Gadopentatic acid</td> </tr> <tr> <td>10</td> <td>Glipizide</td> </tr> </tbody> </table>	SN	Name of Products manufactured	1	Diclofenac sodium & derivatives Diclofenac acid, Diclofenac Diethyl Amine, Diclofenac resinate) & intermediate	2	Nifedipine& intermediate	3	Diclofenac Potassium	4	Meclizine	5	Ciprofloxacin	6	Atenolol	7	Cetirizine Hydrochloride	8	Citridipine	9	Gadopentatic acid	10	Glipizide
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2.	The project proponent shall strictly abide by the outcome /decision of Hon'ble Supreme Court of India in civil appeal no. 21085/2016.	<i>The Project Proponent strictly follow &amp; abide by the decision of Hon'ble Supreme Court of India in CA no: 21085/2016</i>																						
3.	Spent solvents (654MT/month) shall be recovered by in-house distillation in such a manner the recovery that recovery shall not be less than 95% and recovered solvent shall be released in the process or spent solvent shall be sent to authorize solvent recovery unit having necessary permissions from concern Authority as per the HW Rules 2016.	<p><i>Spent solvents are recovered by in house distillation in recovery facility.</i></p> <ul style="list-style-type: none"> <li>-<i>The distillation &amp; recovery facility is provided with secondary condenser with chilled brine circulation.</i></li> <li>-<i>The recovery of the solvents always remains 95% &amp; above</i></li> <li>- <i>Some of the recovered solvents are reused back in the process.</i></li> <li>- <i>Those recovered solvents which cannot be reused in the process are sold to end users for which GPCB has granted permission for sell to the authorized end users/recycler.</i></li> </ul>																						
4.	Unit shall comply all the conditions & recommendation mentioned in the guideline for the management of the Spent solvents published by GPCB in letter and spirit.	<p><i>The Project Proponent strictly follow &amp; comply to the conditions &amp; guidelines for the spent solvent management published by GPCB such as</i></p> <ul style="list-style-type: none"> <li>- <i>Hazardous wastes are sold to the GPCB authorized end-users/recycler only having permission to accept from GPCB/CPCB.</i></li> <li>- <i>Hazardous waste transportation with XGN –generated manifesto with preapproval from authorized end users/recycler</i></li> <li>- <i>Hazardous waste transportation through designated truck/tanker/vehicle having GPS tracking system only</i></li> <li>- <i>MOU signed with authorized end-users/recycler for the Hazardous waste safe &amp; proper usage.</i></li> <li>- <i>Other H W guidelines are also followed like labeling , use of PPE , storage etc.</i></li> </ul>																						
5.	Complete Zero Liquid Discharge (ZLD) status shall be maintained all the time.	<i>The Project Proponent maintains Zero Liquid Discharge (ZLD) with R-O Plant &amp; MEE. The recovered water reuse in utility.</i>																						
6.	Leak Detection and repair (LDAR) program shall be prepared and maintained as per the GPCB guidelines.	<i>LDAR program is prepared &amp; followed</i>																						
7.	All measures shall be taken to prevent soil and ground water from the contamination.	<ul style="list-style-type: none"> <li>- <i>Waste water generated from the various operations are collected separately &amp; transferred to treatment facility in a dedicated close fix pipelines.</i></li> <li>- <i>No Waste water is handled in loose.</i></li> </ul>																						

		<ul style="list-style-type: none"> <li>- The liquid chemicals (Bulk) are handled through storage tank &amp; fix pipeline with pump having mechanical seal.</li> <li>- Small volume liquid chemicals are transferred through either pump or with vacuum.</li> <li>- All plants/stores/ tank yard drains are connected to a collection pit &amp; fix pipeline &amp; pump to transfer ETP plant in case of any accidental leakage or spillage .</li> <li>- All required measures &amp; precautions are taken to prevent contamination of soil &amp; ground water.</li> </ul>
8.	There shall be no drainage connection to discharge waste water from the premises.	<ul style="list-style-type: none"> <li>- There is no drainage /discharge connection from the premises</li> <li>- The drainage /discharge connection has been disconnected by local authority. The copy is enclosed as annexure -I</li> </ul>
9.	Any of the waste streams of by-products generated form the project activity qualified the hazardous and other wastes (Management and Trans boundary movement) Rules 2016 and amendment time to time shall only be sold after obtaining prior permission from CPCB/SPCB/PCC.	<p>The Project Proponent follows &amp; complies with the conditions &amp; guidelines of Haz. Waste management rules 2016 for the Waste &amp; by-products sell with proper permission from GPCB.</p> <ul style="list-style-type: none"> <li>- Hazardous wastes are sold to the GPCB authorized end-users/recycler only having permission to accept from GPCB/CPCB.</li> <li>- Hazardous waste transportation with XGN –generated manifesto with preapproval from authorized end users/recycler</li> <li>- Hazardous waste transportation through designated truck/tanker/vehicle having GPS tracking system only</li> <li>- MOU signed with authorized end-users/recycler for the Hazardous waste safe &amp; proper usage.</li> <li>- Other H W guidelines are also followed like labeling , use of PPE , storage etc.</li> </ul>
10.	Any such waste streams shall be sold only to the potential users who are authorized by the competent authority (MoEF & CC /CPCB / SPCB etc.)	<p>The Project proponent treats any waste streams as Hazardous waste &amp; for sell a Haz. Waste management &amp; disposal rule 2016 are followed.</p> <ul style="list-style-type: none"> <li>- The waste streams are sold to the GPCB/CPCB authorized end users/recycler.</li> </ul>
11.	The unit shall submit the list of authorized end users along with MOU signed whit them at least two months in advance prior to commencement in absence of potential buyers of these items the unit shall restrict the production of respective item.	The Project proponent have already submitted list of authorized end users, along with MOU signed with them.
12.	The pollution load shall not exceed the threshold limits as mentioned in the EIA report.	The pollution load remains always within limit.
13.	Unit shall send waste water to common MEE of M/s.ACPTCL, Ankleshwar in case of Maintenance of in-House ZLD system. In such circumstances, project proponent shall inform GPCB in advance.	The Project Proponent will follow the condition.
<b>A.2 WATER:</b>		
14.	Total water requirement for the project shall not exceed 795 KL/day. Unit shall reuse 270 KLD for industrial purpose. Hence, fresh water requirement for the project shall not exceed 525 KL/day and it shall be met through GIDC water supply only. Prior permission from the concerned authority shall be obtained for withdrawal of water.	<p>The Water requirement for the Project Proponent always remains well within limit specified.</p> <ul style="list-style-type: none"> <li>- Water supply is through GIDC.</li> <li>- Prior permissions are taken from the authority.</li> <li>- The data for water consumption for six months are enclosed as annexure-II</li> </ul>
15.	The industrial effluent generation from the project shall not exceed 400 KL/day after proposed expansion.	The Waste Water generation for the Project Proponent always remains well within limit specified. Waste water generation for last six month attached as annexure -III
16.	Effluent from process, washing, boiler blow down and cooling bleed off shall treated in proposed primary, secondary effluent treatment plant (Cap.	<p>The Waste water generated from the process, washing , boiler blowdown etc. are collected in Acid brick lined collection pit.</p> <ul style="list-style-type: none"> <li>- The collected effluents are transferred to ETP plant.</li> </ul>

  
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	450 KLD) followed by RO plant & MEE (with stripper & ATFD) and treated waste water shall be reused for utility purpose.	<ul style="list-style-type: none"> <li>- Treated in Primary &amp; secondary treatment plant</li> <li>- The treated effluent is further treated in RO plant. Permeate Water from the RO Plant are send to utility for usage.</li> <li>- RO rejections are send to MEE with stripper followed by ATFD.</li> <li>- The salt collected from ATFD are packed &amp; kept in Haz. Waste storage area for disposal to designated site.</li> <li>- The condensates from MEE are sent to ETP plant for treatment &amp; recovery.</li> </ul>
17.	Unit shall provide adequate ETP & MEE system (with stripper & ATFD) to achieve Zero liquid Discharge [ZLD] by reusing treated waste water completely.	<i>The Project proponent has provided adequate capacity Zero Liquid discharge system consist of ETP plant, RO Plant MEE with stripper &amp; ATFD. The recovered water reuse in utility.</i>
18.	The domestic waste water generation shall not exceed 35 KL/day and it shall be discharged in Septic Tank. and Soak pit, followed by treatment in SBT plant. Treated water either reuse in utility or used for gardening.	<i>The domestic waste water generation always remains below limit.</i> <ul style="list-style-type: none"> <li>- Domestic waste water treated in Septic tank, followed by SBT plant. SBT treated water is reused.</li> </ul>
19.	During monsoon season when treated sewage may not be required for the plantation I Gardening I Green bell purpose, it shall be stored within premises or reuse in process completely. There shall be no discharge of waste water outside the premises in any case.	<i>The treated sewage water is reused back in the process as a regular practice.</i>
20.	Unit shall provide buffer water storage tank of adequate capacity for storage of treated waste water during rainy days.	<i>The Project proponent reuse treated waste water back in process during all seasons. Adequate storage capacity has been provided to maintain, always ZLD system.</i>
21.	The unit shall provide metering facility at the inlet and outlet of the ETP & reuse system and maintain records for the same.	<i>The Project proponent has provided metering facility at inlet, out let of waste water treatment facility &amp; at reuse of the treated water. The records of metering facility are maintained.</i>
22.	Proper logbook of ETP, Chemical consumption, quantities and qualities of effluent' reuse, power consumption etc. Shall be be maintained and shall be furnished to the GPCB from time to time.	<i>The Project Proponent maintains records for the logbook of ETP, Chemical consumption, quantities and qualities of effluent' reuse, power consumption etc.</i> <ul style="list-style-type: none"> <li>- The details of the records uploaded online through monthly Patrak to GPCB.</li> <li>- &amp; also submitted as &amp; when asked for by authority.</li> </ul>
<b>A.3 AIR</b>		
23.	Natural gas to the tune of 3600 NM3/Day shall be used as a fuel for existing Steam boiler (Cap. 3 TPH).	<i>The Project Proponent uses Natural Gas as a fuel for Steam Boiler &amp; Thermopac.</i> <i>Natural Gas consumption remains well below limit specified.</i>
24.	Natural gas to the tune of 12000 NM3/Day shall be used as a fuel for existing Steam Boiler. (Cap. 6 TPH)	
25.	Natural gas to the tune of 2400 NM3/Day shall be used as a fuel for existing Thermopac. (Cap. 400000 K.Cal/hr.)	
26.	High Speed Diesel to the tune of (70 liter/hr. for each); (45 Liter/hr. for each) & (90 Liter/hr. for each) shall be used for existing DG Sets 400 KVA-2 no. ; 250 KVA -1 no. & 1010 KVA -1 no. Respectively	<i>The Project Proponent uses High speed Diesel as a fuel for the Diesel generating sets. The D.G. Sets are standby facility used only during power failure from the DGVCL.</i> <i>HSD consumption remains well below limit specified.</i>
27.	Natural gas (15000 NM3/Pay) shall be used as a fuel for proposed Steam Boiler. (Cap. 8 TPH).	<i>The Project Proponent will use Natural Gas as a fuel for Steam Boiler -8TPH &amp; Natural Gas consumption will remains well below limit specified.</i>
28.	Natural gas (2400 NM3/Day for each) shall be	<i>The Project Proponent will use Natural Gas as a fuel for</i>

	used as a fuel for proposed Thermopac- 2no. (Cap. 4000000 Kcal/Hr of each).	<i>Thermopac -4.0 LacK.Cal/hr &amp; Natural Gas consumption will remains well below limit specified.</i>
29.	High Speed Diesel to the tune of (170 Liter/hr.) shall be used for proposed DG Set - 2000 KVA.	<i>The Project Proponent will uses High speed Diesel as a fuel for the Diesel generating sets. The D.G. Sets are standby facility used only during power failure from the DGVCL. HSD consumption will remains well below limit specified.</i>
30.	Natural gas (9600 NM3/Day) OR Bio Coal (12 MT/Day) shall be used as a fuel for proposed Direct hot gas fired Spray Drier. (Cap. 6.5M3/hr.)	<i>The Project Proponent will use Natural Gas or Biocoal as a fuel for Direct hot gas fired Spray drier -6.5 m3/hr. &amp; Natural Gas or Bio coal consumption will remains well below limit specified.</i>
31.	Unit shall provide water scrubber & Alkali Scrubber- 5 no. Process stack connected with the existing Reactor Vessels (Indolinone -process) as APCM for control of HCl.	<i>The Project Proponent has provided two stage scrubbers. Water scrubber -where HCL is recovered &amp; reused in the process followed by Alkali Scrubber. Process stack connected with the existing Reactor Vessels (Indolinone -process) as APCM for control of HCl.</i>
32.	Unit shall provide Water scrubber & Alkali Scrubber for 4 no. process stack connected with the Proposed Reactor Vessels (CPDCA process) as APCM for control of HCl.	<i>The Project Proponent has provided two stage scrubber Alkali Scrubber. Process stack connected with the existing Reactor Vessels (CPDCA -process) as APCM for control of HCl.</i>
33.	Unit shall provide packed column water scrubbers as APCM with vents attached to reactors, centrifuge etc. to control any emission of odorous fumes.	<i>The P P has provided packed column water scrubbers as APCM &amp; vents for the reactors, centrifuge etc. are connected to the packed tower scrubber for control of any emission of odorous fumes.</i>
34.	Measures shall be taken to reduce the process vapors emissions as far as possible through - 6 no. proposed stack.	<i>The Project Proponent has connected the vents of the process equipments where any vapours, fumes, odour are generated from the process etc. to the packed tower scrubber to neutralize. The effluents generated from the scrubber are sent for treatment in ETP plant.</i> <i>- Hooter &amp; red light indication are installed at plant area, for each scrubber to raise alert in case Scrubber blower stop functioning.</i>
35.	The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety & Health). Following indicative guidelines shall also be followed to reduce the fugitive emission. <ul style="list-style-type: none"> <li>➤ Internal roads shall be either concreted or asphalted or paved properly to reduce the fugitive during vehicular movement.</li> <li>➤ Air borne dust shall be controlled with water sprinklers at suitable locations in the plant.</li> <li>➤ A green belt shall be developed all around the plant boundary and also along the roads to mitigate fugitive &amp; transport dust emission.</li> </ul>	<i>The Project Proponent monitors fugitive emission in the work zone environment regularly in house as well as by third party.</i> <ul style="list-style-type: none"> <li>- The emissions monitored are remaining very well within the standards prescribed by the Directors of Industrial Safety &amp; Health.</li> <li>- For control of fugitive emissions following steps are taken.</li> <li>➤ Internal roads are concreted &amp; asphalted.</li> <li>➤ Road side area also either provided with blocks or water sprinkled.</li> <li>➤ A green belt developed all around the plant boundary and also along the roads as well as space not utilized for the plant building.</li> <li>➤ Internal speed limit is kept lower for vehicular movement</li> </ul>
36.	Solvent management shall be carried out as follows : <ol style="list-style-type: none"> <li>1) Reactor shall be connected to chilled brine condenser system to condensate solvent vapors and reduce solvent losses.</li> <li>2) Reactor and solvent handling pump shall have mechanical seals to prevent leakages.</li> <li>3) Solvents shall be stored in a separate space specified with all safety measures.</li> <li>4) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.</li> </ol>	<i>For control on VOC &amp; there emission the Project Proponent as have taken steps as under :</i> <ol style="list-style-type: none"> <li>1) The solvents are handled in storage tanks with fix pipelines. The transfer of the solvents is done with pump having mechanical seal.</li> <li>2) The measuring receiver vents/overflow is connected back to the storage tank.</li> <li>3) Solvent tanks are filled maximum up to 80% volume of the tank. Nitrogen atmosphere is kept above solvent Liquid level. Breather valve or Flame arrestor provided on vent.</li> <li>4) Reactors in which solvents are handled connected to chilled brine condenser system to condense solvent vapors and</li> </ol>



	5) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.	<p><i>reduce solvent losses.</i></p> <p>5) Solvents tanks, receivers &amp; equipments are provided with double earthing. At solvent pipelines all flange joints are provided with static jumpovers.</p> <p>6) Solvents are stored in a separate space with all safety measures like dippipe, Level indicator, Flame arrestor etc.</p> <p>7) For tanker unloading metallic /antistatic fix pipe are used.</p> <p>8) Tanker unloading done with proper permit.</p> <p>9) Auto trip mechanism is installed. The Auto trip mechanism will not allow transfer pump of solvents in case earthing connectivity is not available or lost during transfer.</p> <p>10) Proper earthing is provided to all the electrical equipment.</p> <p>11) For entire plant, stores, tank yards all electrical equipment, fitting &amp; lighting are maintained flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.</p>
37.	Regular monitoring of Volatile Organic Compounds (VOCs) shall be carried out in the work zone area and ambient air.	<i>The Project Proponent carries out regularly VOC Monitoring through in house facility &amp; third party Comet Consultancy Services.</i>
38.	For control of fugitive emission, VOCs, following steps shall be followed: a. Closed handling and charging system shall be provided for chemicals. B. Reflux condenser shall be provided over Reactors / Vessels. C. Pumps shall be provided with mechanical seals to prevent leakages.	<p><i>The Project Proponent have taken following steps for control of fugitive emission, VOC.</i></p> <ul style="list-style-type: none"> <li><i>i. All bulk liquid handling, transfer &amp; charging in a close system with fix piping &amp; pump having mechanical seal.</i></li> <li><i>ii. The small volume liquid chemicals also in close system handling transfer &amp; charging is carried out with either pump or vacuum directly into reactor/equipment.</i></li> <li><i>iii. Reactor vents are connected to trap.</i></li> <li><i>iv. Solid powder charging with hopper &amp; negative suction in reactor/equipments through hand hole.</i></li> <li><i>v. Sampling also with vacuum.</i></li> <li><i>vi. As far possible no loose handling of any liquid chemicals allowed.</i></li> </ul>
39.	Airborne dust at all transfers operations/Points shall be controlled either by spraying water or providing enclosures.	<p><i>The Project Proponent has provided AHU system having filters in finished product area.</i></p> <ul style="list-style-type: none"> <li><i>- Powder transfer system used for transferring Powder.</i></li> <li><i>- For powder charging in reactors, hand hole with negative suction is used.</i></li> <li><i>- In other area exhaust ventilations are provided.</i></li> </ul>
40.	Regular monitoring of ground level concentration of PM10, PM2.5, SO2, NOx, HCl and VAC shall be carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by the GPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with the GPCB	<i>The Project Proponent carry out ground level Ambient Air quality monitoring regularly as per standard stipulated by GPCB by third party agency Comet consultancy services. Ambient air analysis report for last six month attached as annexure-IV</i>
<b>A.4 SOLID/HAZARDOUS WASTE</b>		
41.	Hazardous /Solid waste management.	<i>The Project Proponent handles solid / Hazardous waste as per Hazardous waste management rule 2016 &amp; PCB guidelines. The details are as under.</i>

*Compliance Report for the conditions in the  
EC- Amendment #: SEIIA/GUJ/EC/5(f)/596/2019 dated 10<sup>th</sup> APR 2019  
& EC #: SEIIA/GUJ/EC/5 (f)/660/2018 dated 30<sup>th</sup> JUN 2018  
Issued by State Environment Impact Assessment Authority Gujarat  
For Unique Chemicals (A div. of J B CHEMICALS & PHARMA. LTD)  
Plot no 5, phase-IV, GIDC estate, Panoli, Dist-Bharuch, Gujarat  
JUL.2019 to DEC.-2019*

		SN	Type of Waste- Category	Disposal
		1.	ETP sludge -35.2	Collection,storage,transportation, Sent to common BEIL-Ank/ SEPL
		2.	A empty barrels,carboy -33.3	Collection, storage, decontamination ,transportation & Sell to PCB consent authorized facility or used for refilling
			B Plasticliner-33.3	
			C Glasswool,Thermocol-33.3	Collection, storage & transportation to BEIL Ankleshwar
		3.	Used oil -5.1	Collection, storage, transportation & Sell to authorize Recycler having PCB & CPCB approval.
		4.	Distillation residue/Spent solvent- 25.2/20.3	Collection storage,transportation & sent for Incineration at Incineration facilityBEIL/ SEPL Or Co processing at Cement plant/ RSPL
		5.	Expired Drugs-25.5	Collection storage, transportation & sent for Incineration at common Incineration facility BEIL/ SEPL Or Co processing at Cement plant/ RSPL
		6.	Used Charcoal-28.2	Collection storage, transportation & sent for Incineration at common Incineration facility BEIL/ SEPL Or Co processing at Cement plant/ RSPL
		7.	Salt OR Per acid (Aluminum Chloride/ Aluminum Hydroxide)	Collection, storage, transportation & Sell to authorized users having PCB & rule-9 approval & MOU signed
		8.	Salt (Industrial salt)	Collection, storage, transportation & Sell to authorized users having PCB & rule-9 approval & MOU signed
		9.	Spent solvents	Collection, storage, transportation & Sell to authorized users having PCB & rule-9 approval & MOU signed
		10.	Mix phenols	Collection, storage, transportation & Sell to authorized users having PCB & rule-9 approval & MOU signed
		11.	Piperizine	Collection, storage, transportation & Sell to authorized users having PCB & rule-9 approval & MOU signed
42.	Authorized end-users shall have permissions from the concerned authorities under the Rule 9 of the Hazardous and Other Wastes (Management and Trans boundary Movement) Rule! , 2016.	<i>The Project Proponent strictly follows Hazardous waste Rule - 2016. The Hazardous waste are collected, stored &amp; transported to the end users which are CC &amp;A from PCB &amp; have obtained permission under Rule-9 from PCB. Further MOU signed with each end user before disposal.</i>		
<b>A.5 OTHERS:</b>				
43.	All the recommendations, mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project prepared by M/s. Excel Enviro Tech, Ahemedabad and submitted by project proponent vide letter no. NIL dated 11/10/2017 and commitment made during presentation before SEAC and proposed in the EIA report shall be strictly adhered to in letter and spirit.	<i>The Project Proponent strictly adhered to the recommendation &amp; mitigation measures for environmental protection &amp; safeguards the environment as per EIA report.</i>		
<b>B. GENERAL CONDITIONS:</b>				
<b>B.1 CONSTRUCTION PHASE:</b>				
44.	Water demand during construction shall be reduced by use of curing agents, super plasticizers and other best construction practices.	<i>The Project Proponent follows best construction practices to minimize water for curing.</i>		
45.	Project proponent shall ensure that surrounding environment shall not be affected due to construction activity. Construction materials shall be covered during transportation and regular water sprinkling shall be done in vulnerable areas for controlling fugitive emission.	<i>Construction site was kept covered during construction stage. The construction material was also covered while transportation. Water was sprinkled on construction material.</i>		
46.	All required sanitary and hygienic measures shall be provided before starting the construction activities and to be maintained throughout the construction phase.	<i>Followed &amp; maintained.</i>		
47.	First Aid Box shall be made readily available in adequate quantity at all the times.	<i>The Project Proponent has arranged adequate nos. of First aid boxes is arranged. The first box are regularly checked</i>		
48.	The project proponent shall strictly comply with the Building and other Construction Workers' (Regulation of Employment & Conditions of Services) Act 1996 and Gujarat rules made there under and their subsequent amendments. Local by-laws of concern authority shall be complied in letter and spirit.	<i>The Project Proponent strictly follows &amp; complies with the BOC &amp; WC act &amp; rules as well as amendment thereof.</i>		
49.	Ambient noise levels shall conform to residential standards both during day and night. Incremental	<i>The Project Proponent monitors &amp; maintains Ambient noise levels as prescribed. The Ambient Noise level monitoring is</i>		

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	pollution load on the ambient air and noise quality shall be closely monitored during construction phase.	<i>performed by third party agency. The reports of Noise level monitoring by third party are attached as annexure -V</i>
50.	Use of Diesel Generator (DG) sets during construction phase shall be strictly equipped with acoustic enclosure and shall conform to the EPA Rules for air and noise emission standards.	<i>The Project Proponent's D G Sets are provided with Acoustic enclosures, conforming to the air &amp; noise emission standards.</i>
51.	Safe disposal of waste water and municipal solid wastes generated during the construction phase shall be ensured.	<i>The Project Proponent treat the waste water with regular Industrial &amp; domestic waste respectively</i>
52.	All topsoil excavated during construction activity shall be used in horticultural/landscape development within the project site.	<i>The top soil excavated is used for landscaping &amp; leveling of the area within the project site.</i>
53.	Excavated earth to be generated during the construction phase shall be utilized within the premises to the maximum extent possible and balance quantity of excavated earth shall be disposed off with the approval of the competent authority after taking the necessary precautions for general safety and health aspects. Disposal of the excavated earth during construction phase shall not create adverse effect on neighbouring communities.	<i>The excavated earth is used for landscaping &amp; leveling of the area within the project site.</i>
54.	Project proponent shall ensure use of eco-friendly building materials including fly ash bricks, fly ash paver blocks, Ready Mix Concrete (RMC) and lead free paints in the project.	<i>The Project Proponent used following ecofriendly material for construction</i> - Bricks made from fly ash - Cement hollow blocks made from fly ash - Ready mix concrete - Paver blocks
55.	Fly ash shall be used in construction wherever applicable as per provisions of Fly Ash Notification under the E.P. Act, 1986 and its subsequent amendments from time to time.	<i>Followed as above.</i>
<b>B.2 OPERATION PHASE</b>		
<b>B.2.1 WATER:</b>		
56.	The water meter shall be installed and records of daily and monthly water consumption shall be maintained.	<i>The Project Proponent has installed water meter &amp; records for the same is maintained.</i>
57.	All efforts shall be made to optimize water consumption by exploring Best Available Technology (BAT). The unit shall continuously strive to reduce, recycle and reuse the treated effluent.	<i>The Project Proponent is Zero Liquid Discharge for waste water. Waste water are treated, recovered &amp; reuse back in the process.</i>
<b>B.2.2 AIR:</b>		
58.	Acoustic enclosure shall be provided to the DG sets (If applicable) to mitigate the noise pollution and shall conform to the EPA Rules for air and noise emission standards.	<i>The Project Proponent's D G Sets are provided with Acoustic enclosures, conforming to the air &amp; noise emission standards.</i>
59.	Stack/Vents (Whichever is applicable) of adequate height shall be provided as per the prevailing norms for flue gas emission/Process gas emission.	<i>The Project Proponent's Stack emission &amp; process vents are provided with adequate height, conforming to the prevailing standards.</i>
60.	Flue gas emission & Process gas emission (If any) shall conform to the standards prescribed by the GPCB/CPCB/MoEF&CC. At no time, emission level should go beyond the stipulated standards.	<i>The Project Proponent's Stack emission &amp; process gas emissions are, conforming to the prevailing standards as prescribed by PCB. Flue gas Stack monitoring &amp; Process stack emission monitoring done by third party enclosed as annexure-VI</i>
61.	All the reactors / vessels used in the manufacturing process shall be closed to reduce the fugitive emission.	<i>All reactors / vessels used for the manufacturing process are closed type only to control &amp; reduce fugitive emissions.</i>
<b>B.2.3 HAZARDOUS WASTE:</b>		



62.	The company shall strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016, as may be amended from time to time. Authorization of the GPCB shall be obtained for collection / treatment / storage / disposal of hazardous wastes.	<i>The Project Proponent strictly follows Hazardous waste Rule - 2016. The Hazardous waste are collected, stored &amp; transported to the end users which are CC &amp; A from PCB &amp; have obtained permission under Rule-9 from PCB. Further MOU signed with each end user before disposal.</i>
63.	Hazardous wastes shall be dried, packed and stored in separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.	<i>The Project Proponent has provided a separate designated place for storage &amp; packing of the Hazardous waste. The Hazardous waste storage area is made of Cement concrete with roof &amp; lechat collection arrangement.</i>
64.	The unit shall obtain necessary permission from the nearby TSDF site and CHWIF. (Whichever is applicable)	<i>The Project Proponent has obtained permission from PCB for disposal of Hazardous waste to TSDF site. Obtained membership from the TSDF site.</i>
65.	Trucks/Tankers used for transportation of hazardous waste shall be in accordance with the provisions under the Motor Vehicle Act, 1988, and rules made there under.	<i>The trucks /tankers used for the transportation of Hazardous waste are conforming to the standard &amp; in accordance with Motor vehicle act 1988.</i>
66.	The design of the Truck/tankers shall be such that there is no spillage during transportation	<i>The trucks /tankers used for the transportation of Hazardous waste are Registered &amp; designated for the transportation of Hazardous waste.</i>
67.	All possible efforts shall be made for Co-Processing of the Hazardous waste prior to disposal into TSDF/CHWIF.	<i>The Project Proponent disposed off all Hazardous waste having Calorific value for COPROCESSING only. Where Hazardous waste is used as RDF.</i>
68.	Management of fly ash (If any) shall be as per the Fly ash Notification 2009 & its amendment time to time and it shall be ensured that there is 100% utilization of fly ash to be generated the unit.	<i>Will Follow.</i>
<b>B.2.4 SAFETY</b>		
69.	The occupier/manager shall strictly comply the provisions under the Factories Act 1948 and the Gujarat Factories Rules 1963.	<i>The occupier/manager complies with the provisions of the Factories Act 1948 and the Gujarat Factories Rules 1963.</i>
70.	The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules (MSIHC) 1989, as amended, time to time and the Public Liability Insurance Act for handling of hazardous chemicals etc. Necessary approval from the Chief Controller of Explosives and concerned Govt Authorities shall be obtained before commissioning of the project. Requisite On-site and Off-site Disaster Management Plans have to, be prepared and implemented.	<i>The project authorities complies with the provisions of the</i> <ul style="list-style-type: none"> <li>❖ <i>Manufacture, Storage and Import of Hazardous Chemicals Rules (MSIHC) 1989, &amp; amendments.</i></li> <li>❖ <i>The Public Liability Insurance Act.(Copy attached)</i></li> <li>❖ <i>Approval of Chief Controller of Explosives(Copy attached)</i></li> <li>❖ <i>Project Proponent have prepared &amp; implemented On-site and Off-site Disaster Management Plans.</i></li> </ul>
71.	Main entry and exit shall be separate and clearly marked in the facility.	<i>The Project Proponent has provided two main gates for entry and exit which are marked in the facility.</i>
72.	Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/emergency vehicle around the premises.	<i>The Project Proponent has provided wide Roads/Passage round the periphery of each plant with sufficient margin for free movement of fire tender/ emergency vehicle around the plant premises.</i>
73.	Storage of flammable chemicals shall be sufficiently away from the production area.	<i>For Storage of flammable chemicals tank farm The Project Proponent has arranged at a distance sufficiently away from the production &amp; utility area.</i>
74.	Sufficient number of fire 'extinguishers shall be provided near the plant and storage area.	<i>The Project Proponent has installed Sufficient number of fire 'extinguishers near &amp; within the plant as well as storage area considering material stored &amp; process are being conducted.</i>
75.	All necessary precautionary measures shall be taken to avoid any kind of accident during storage and	<i>The Project Proponent has taken all necessary precautionary measures to avoid any kind of accident during storage and</i>

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& EC #: SEIIA/GUJ/EC/5 (f)/660/2018 dated 30<sup>th</sup> JUN 2018  
Issued by State Environment Impact Assessment Authority Gujarat  
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	handling of toxic /hazardous chemicals.	<i>handling of toxic /hazardous chemicals. SOP has been prepared &amp; implemented for each operation considering safety &amp; hazard of chemicals.</i>
76.	All the toxic/hazardous chemicals shall be stored in optimum quantity and all necessary permissions in this regard shall be obtained before commencing the expansion activities.	<i>The Project Proponent store &amp; keep toxic/hazardous chemicals in optimum quantity , in case of chemicals stored in storage tanks , only 80% tank capacity utilized for storage. The required permissions have been obtained the expansion activities.</i>
77.	The project management shall ensure to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment report.	<i>The project management has taken all the steps towards environment protection &amp; risk mitigation measures to safeguard environment &amp; people.</i>
78.	Only flame proof electrical fittings shall be provided in the plant premises.	<i>All electrical fittings in the Plant, ware house, tank yard etc. are provided flame proof, where Hazardous chemicals are stored, handled, transfer or processed in the plant premises.</i>
79.	Storage of hazardous chemicals shall be minimized and it shall be in multiple small capacity tanks / containers Instead of one single large capacity tank / containers.	<i>Followed &amp; maintained.</i>
80.	All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Bund/dyke walls shall be provided for storage tanks for Hazardous Chemicals.	<i>The Project Proponent has provided a dyke wall for each storage tanks with transfer arrangement. In case of any leakage or spillage of the chemicals the spill material can be transferred to a pit. The storage tanks are also provided with appropriate fitting to avoid any leakages.</i>
81.	Handling and charging of the chemicals shall be done In closed manner by pumping or by vacuum transfer so that minimal human exposure occurs.	<i>The Project Proponent have taken following steps for control of fugitive emission, VOC.</i> vii. <i>All bulk liquid handling, transfer &amp; charging in a close system with fix piping &amp; pump having mechanical seal.</i> viii. <i>The small volume liquid chemicals also in close system handling transfer &amp; charging with either pump or vacuum directly into reactor/equipment.</i> ix. <i>Reactor vents are connected to trap.</i> x. <i>Solid powder charging with hopper &amp; negative suction in reactor/equipments through hand hole.</i> xi. <i>Sampling also with vacuum.</i> xii. <i>As far possible no loose handling of any liquid chemicals allowed.</i>
82.	Tie up shall be done with nearby health care unit / doctor for seeking immediate medical attention in the case of emergency.	<i>The Project Proponent have already made Tie up with nearby health care unit Smt. Jayaben Mody Hospital &amp; Sardar Patel Hospital for seeking immediate medical attention in the case of emergency.</i>
83.	Personal Protective Equipment (PPEs) shall be provided to workers and its usage shall be ensured and supervised.	<i>The Project Proponent provides Personal Protective Equipment (PPEs) to each workers &amp; employees. Use of PPE is compulsory &amp; same is ensured by supervisor.</i>
84.	First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.	<i>The Project Proponent have arranged for adequate no. of First Aid Box and required Antidotes for the chemicals used in the unit.</i>
85.	Training shall be imparted to all the workers on safety and health aspects of chemicals handling.	<i>The Project Proponent provides training to all the workers on safety and health aspects of chemicals handling as induction training &amp; regular training.</i>
86.	Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken as per the Factories Act & Rules.	<i>For each employee Occupational health surveillance carried out and its records are maintained. Pre-employment and periodical medical examination for all the workers is undertaken as per the Factories Act &amp; Rules. Occupational health surveillance of all employees is conducted at regular interval &amp; records of the same are maintained as per Factories act.</i> • <i>Medical check up for employees are conducted at six month</i>

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		<p>through Smt. Jayaben Mody Hospital –Ank. (This includes premedical checkup also.)</p> <ul style="list-style-type: none"> <li>A well equipped Occupational Health Centre has been developed, with all necessary First Aid treatment facility within company premises.</li> </ul> <p>Regularly for medical check up a part time Medical officer visits factory.</p>
87.	Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.	Followed & complied.
88.	The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.	The company has implemented all preventive and mitigation measures as per Risk Assessment Report.
89.	Necessary permissions from various statutory authorities like PESO, Factory Inspectorate and others shall be obtained prior to commissioning of the project.	The Project Proponent has already obtained permissions from statutory authorities eg. PESO, Factory Inspectorate and local authority prior to commissioning of the project.
90.	The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall confirm to the standards prescribed under The Environment (protection) Act, 1986 & Rules	The overall noise level in and around the plant area are very well within the standards. The necessary noise control measures & engineering controls are taken like acoustic insulation hoods, silencers, enclosures etc. The ambient noise level confirms to the standards prescribed under The Environment (protection) Act, 1986 & Rules
91.	The unit shall undertake the Cleaner Production Assessment study through a reputed institute / organization and shall form a CP team in the company. The recommendations thereof along with the compliance shall be furnished to the GPCB.	The unit has already undertaken the Cleaner Production processes program headed by R & D team in the company. Any product /project before implementation on plant scale pass through Lab scale study, pilot study & than actual batch trial for minimum three batches are taken under strict supervision of R & D TEAM. At Pilot study only mole to mole requirement are also studied to avoid any of excess consumption resulting into waste generation.
92.	<p>The company shall undertake various waste minimization measures such as :</p> <p>a. Metering and control of quantities of active ingredients to minimize waste.</p> <p>b. Reuse of by-products from the process as raw materials or as raw materials substitutes.</p> <p>c. Use of automated and close filling to minimize spillage.</p> <p>d. Use of close feed system into batch reactors.</p> <p>e. Venting equipment through vapour recovery system.</p> <p>f. Use of high pressure hoses for cleaning to reduce waste water generation.</p> <p>g. Recycling of washes to subsequent batches.</p> <p>h. Recycling of steam condensate.</p> <p>i. Sweeping / mopping of floor instead of floor washing to avoid effluent generation.</p> <p>j. Regular preventive maintenance for avoiding, leakage, spillage etc,</p>	<p>The Project Proponent has already taken several steps as under for waste minimization &amp; avoids losses.</p> <ul style="list-style-type: none"> <li>All ingredients, raw material (Solid, liquid &amp; Gaseous) are metered, weighed or used through measuring receiver only. For each material, ingredients use quantities are defined as per procedure &amp; use accordingly only.</li> <li>Some of the by-product/recovered products are reused back in the process.</li> <li>As far as possible manual handling &amp; transfer is avoided. All liquids chemicals are charged through pump or vacuum.</li> <li>Close system operations are performed for batch reactors. Solid are also transferred through Hand hole.</li> <li>Reactors vents are connected through vapour recovery system.</li> <li>For equipment cleaning mainly CIP system is used to minimize waste water generation.</li> <li>For some of the process the filtrate of the earlier batch is used back in the next batch. The washing for some of the process are collected &amp; dissolved material is recovered &amp; reused in the process.</li> <li>All steam condensate is collected &amp; returned to Boiler for steam generation.</li> <li>Floor cleaning is done with floor cleaning machine in some of the area &amp; other area with mopping only.</li> <li>The preventive maintenance is performed as per defined SOP.</li> </ul>
93.	The unit shall develop green belt within premises as	The Project Proponent has already developed Green belt area as

<p>per the CPCB guidelines. However, if the adequate land is not available within the premises, the unit shall take up adequate plantation on road sides and suitable open areas in GIDC estate or any other open areas in consultation with the GIDC / GPCB and submit an action plan of plantation for next three years to the GPCB.</p>	<p>per GPCB requirements.</p> <ul style="list-style-type: none"> <li>• Outside plant premises on road side in GIDC more than 1200 trees are planted in last monsoon. The trees planted are nourished by the company.</li> <li>• In the nearby village –Sanjali a Tree plantation campaign was taken up &amp; more than 500 trees were planted. The planted trees are nourished by the Company, till it grows fully. The photo is attached.</li> </ul>  <ul style="list-style-type: none"> <li>• In the nearby village –Bakrol a Tree plantation campaign was taken up &amp; more than 600 trees were planted. The planted trees are nourished by the Company, till it grows fully. The photo is attached.</li> </ul>  <ul style="list-style-type: none"> <li>• At nearby village Kharod also more than 200 Plants were planted.</li> </ul>
<p>94. Drip irrigation flow-volume, low-angle sprinkler system shall be used for the green belt development within the premises.</p>	<p>The Project Proponent use sprinkler system for irrigation in premises</p>
<p>95. Rain water harvesting of surface as well as rooftop runoff shall be undertaken and the same water shall be used for the various activities of the project to conserve fresh water as well as to recharge ground water. Before recharging the surface run off. Pre-treatment must be done to remove suspended matter.</p>	<p>As a part of Rain water harvesting the Project Proponent has provided arrangement to collect the roof top water into U.G. water storage tank (For the Building near U.G. Water storage tank) during monsoon season. This will reduce the fresh water consumption.</p>
<p>96. The unit shall join and participate financially and technically for any common environmental facility / infrastructure as and when the same is taken up</p>	<p>The Project Proponent has already join &amp; participated in various common environmental projects like-BEIL-Ankleshwar; NCT-Ankleshwar &amp; Panoli Solid Waste Management –Panoli etc. both</p>

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	either by the Industrial Association or GIDC or GPCS or any such authority created for this purpose by the Govt. / GIDC.	<i>technically &amp; financially.</i>
97.	Application of solar energy shall be incorporated for illumination of common areas, lighting for gardens and street lighting in addition the provision for solar water heating system shall also be provided.	<i>Noted &amp; will plan.</i>
98.	The area earmarked as green area shall be used only for plantation and shall not be altered for any other purpose.	<i>Noted &amp; followed</i>
99.	All the commitments / undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management shall be strictly adhered to,	<i>The Project Proponent strictly follows the commitments given for the environmental protection &amp; management.</i>
100.	The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose for the environmental protection and management.	<i>The Project proponent complies to the additional conditions imposed by competent authority for environment protection.</i>
101.	In the event of failure of any pollution control system adopted by the until, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.	<i>The Project Proponent has provided an indication &amp; alarm system which will operate if failure of pollution control equipment takes place. It is ensured that immediate actions are taken, to rectify the failure cause. The Process operation is stopped, till the Pollution Control equipments put in to order &amp; operation. The process operations are restarted after pollution control equipments work properly.</i>
102.	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority.	<i>Followed &amp; complies to the conditions set by GPCB</i>
103.	During material transfer there shall be no spillages and garland drain shall be constructed to avoid mixing of accidental spillage with domestic waste water or storm water.	<i>To avoid mixing of accidental leakage &amp; spillage the Project Proponent has provided arrangement that all plant buildings, stores &amp; tank yard floor drains are connected to the collection pit, which is further transferred to ETP for treatment.</i>
104.	Pucca flooring / impervious layer shall be provided In the work areas, chemical storage areas and chemical handling areas to minimize soil contamination	<i>The Project Proponent has provided RRC/IPS flooring in all work &amp; storage areas.</i>
105.	Leakages from pipes, pumps shall be minimal and if occurs, shall be arrested promptly.	<i>Followed.</i>
106.	No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.	<i>The Project Proponent will not carry out expansion or modifications without obtaining Prior EC.</i>
107.	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act,1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public liability Insurance Act, 1991 along with their amendments and rules.	<i>Complied.</i>
108.	The project proponent shall comply all the conditions mentioned in "The Companies (Corporate Social Responsibility Policy) Rules, 2014" and its amendments from time to time in a letter and spirit.	<i>The Project proponent complies to The Companies CSR rules 2014.</i>

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109.	The project management shall ensure that unit complies with all the environment protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report as well as proposed by project proponent.	<i>The Project Proponent has already taken steps toward, environment protection, safe guard &amp; mitigation measures as per recommendation of Risk Assessment study.</i>
110.	The project authorities shall earmark adequate funds to implement the conditions stipulated by"SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	<i>The Project Proponent has earmark adequate funds as per conditions of SEIIA. The fund will be utilized within Five years as per condition for social &amp; welfare activity.</i>
111.	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAAI/ SEAC/ GPCB, This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are Widely circulated in the region, one of which shall be in the,Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional officer of the Ministry.	<ul style="list-style-type: none"> <li>• <i>The Project Proponent informed to the Public that Project has been accorded Environment Clearance through advertisement in two Local languages Newspapers for our Panoli site. The advertisements were published in Gujarati &amp; English News Paper.</i></li> <li>1). <i>Gujarat Mitra AD.01.08.18 ( In English)</i></li> <li>2). <i>Gujarat Mitra GUJARATI 2.08.18 (In Gujarati)</i></li> <li>3). <i>Economic Times ad 01.08. (In English)</i></li> <li>• <i>Advertisement given in Local language newspapers was informed to SEIIA/SEAC/GPCB -Gandhinagar. The News papers prints were send to SEIIA/SEAC/GPCB -Gandhinagar .</i></li> </ul>
112.	It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.	<i>Complies</i>
113.	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act.1986.	<i>followed</i>
114.	The project authorities shall also adhere to the stipulations made by the GPCB.	<i>The Project proponent adheres to condition laid by GPCB.</i>
115.	The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions if the same is found necessary.	<i>The Project Proponent implements all conditions.</i>
116.	The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	<i>The Project Proponent has informed to GPCB, R-O MoEF &amp; CC, and SEIAA for start of the project. The copy of the intimation letter is enclosed.</i>
117.	This environmental clearance Is valid for seven years from the date of issue.	<i>OK</i>
118.	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010,	<i>OK</i>
119.	Submission of any fails of misleading information or date which is material to screening of scoping or appraisal or decision on the application makes this environment clearance cancelled.	<i>Complied</i>



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**Monitoring the Implementation of Environmental Safeguards**  
**Ministry of Environment, Forest & Climate Change**  
**Western Region, Regional Office, Bhopal**  
**MONITORING REPORT**

**PART-I**

**DATA SHEET**

1. **Project type: River valley/Mining/  
Industrial/Thermal/Nuclear/Others  
(Specify)** : **INDUSTRIAL SECTOR (2)**
2. **Name of Project:** : **UNIQUE CHEMICALS  
(A div. J B CHEMICALS & PHARMA. LTD)**
3. **Clearance letter(s) OM no. & date:** : **SEIAA/GUJ/EC/5(f)/660/2018; dated 30<sup>th</sup> June 2018  
SEIAA/GUJ/EC/5(f)/596/2019; dated 10<sup>th</sup> April 2019**
4. **Location:**
  - (a) **District(s)** : **BHARUCH**
  - (b) **State(s)** : **GUJARAT, PN-394116**
  - © **Location Latitude/ Longitude** : **LATITUDE- 21<sup>0</sup> C 39<sup>0</sup> NORTH  
LONGITUDE- 72<sup>0</sup> C 59<sup>0</sup> EAST**
5. **Address for correspondence** :
  - a). **Address of concerned  
Project Chief Engineer( with pin  
Code & telephone, fax numbers** : **C.B.MEHTA  
UNIQUE CHEMICALS  
PLOT NO.5, PHASE-IV, GIDC, PANOLI  
DISTRICT –BHARUCH, GUJARAT  
PIN CODE- 394116  
TEL. NO. -02646 272510; 272508, 9998014415**
6. **Salient features**
  - (a) **Of the projects** : **PROJECT IS LOCATED IN WELL  
ESTABLISHED NOTIFIED INDUSTRIAL AREA**
  - (b) **Of the Environment Management Plan: AS PER ANNEXURE - VIII**
7. **Break up of project area:**
  - (a) **Submergence area: Forest/non forest:** **PROJECT IS LOCATED IN NOTIFIED INDUSTRIAL  
AREA. NO AREA IS COMING UNDER SUBMERGENCE  
: GIDC ESTATE AREA ,**
  - (b) **Others** : **\*PROJECT IS LOCATED IN NOTIFIED GIDC INDUSTRIAL  
AREA.  
\*THERE IS NO AFFECTED POPULATION  
\*OR LOSING HOUSES OR DWELLING UNITS**
8. **Break up of the project affected  
Population with enumeration of those  
Losing houses/dwelling units (only  
Agriculture land Both dwelling units  
& agricultural lands)SC, ST/Adivasi**
  - (a) **Others** : **NOT APPLICABLE, SINCE PROJECT IS LOCATED IN  
WELL ESTABLISHED NOTIFIED INDUSTRIAL AREA**  
(Please indicate whether these figures are based on scientific & systematic survey carried out or only provisional figures, if a survey is carried out give details & year of survey)
9. **Financial details:**
  - Project cost as originally planned  
& subsequent revised estimates &  
The year of price references.** : **PROJECT COST – Rs. 45 Crore  
The Project was implemented in Dec.-2019. This was informed  
To GPCB, Regional Office MoEF & CC –Bhopal & SEIAA.**

- (a) Allocation made for Environmental : Rs. 25 LAKHS  
Management plans with item wise  
& year wise break up
- (b) Benefits cost ratio/Internal rate of : NOT APPLICABLE.  
Return & year of assessment
- (c) Whether includes the cost of : YES IT INCLUDE COST OF ENVIRONMENT  
Environmental management : MANAGEMENT  
As shown in above.
- (d) Actual expenditure incurred on : Rs. 35 LAKS INCURRED (Capital cost)  
The environment management plan : As recurring expense every month –Rs. 30-32 Lakh  
So far
10. Forest & land requirements
- (a) The status of approval for diversion : NOT APPLICABLE , SINCE PROJECT IS LOCATED  
Of forest land for Non-forestry use : IN NOTIFIED IND. AREA.  
NO FOREST LAND DIVERSION.
- (b) The status of clearing felling : N.A
- (c) The status of compensatory : N.A  
Afforestation if any.
- (d) Comments on viability & sustain : N.A  
-ability of compensatory afforestation  
Program in the light of actual field  
Experience so far
11. The status of clear felling in non-forest : N.A.  
Area (such as submergence area or  
reservoir, approach roads) if any with  
quantitative information required
12. Status of construction : Completed in Nov.-2019  
Actual &/or planned  
Date of commencement : Dec.-2019  
(Actual &/or planned)  
Date of completion :  
Manufacture of more quantity of Nifedipine, Atenolol  
New product Glipizide as per EC dated 10-8-2010  
(Actual & /or planned) :
13. Reason for the delay if project is yet : Not applicable




**UNIQUE CHEMICALS**  
(A Div. of J.B. Chemicals) Pharms Ltd.  
Plot No. 5, Phase IV, GIDC, Panoli

**C.B. MEHTA**  
**GENERAL MANAGER**



**Annexure -I**  
**GIDC letter for discussion of Waste water discharge connection**

 GUJARAT INDUSTRIAL DEVELOPMENT CORPORATION	<b>Gujarat Industrial Development Corporation</b> (A GOVT. OF GUJARAT UNDERTAKING)	
	Dy. Executive Engineer Fire station Building, 409/A, Industrial Estate, GIDC Panoli, Ta. Ankleshwar, Dist. Bharuch.	
NO/GIDC/DEE/PNI/AEE-IV/1038	Phone No. (02646) 272131	Email - gidepanoli@gmail.com
		Date- 30/06/16

**To whomsoever it may Concern**

This is to certify that M/s. Unique Chemicals having plot no. 05 in Panoli Industrial Estate GIDC Panoli, the existing underground drainage connection for waste water discharge of said plot is disconnected from drainage system. At present the unit is not having any drainage connection today.

To,  
M/s. Unique Chemicals  
Plot No. 05  
GIDC Panoli

  
Dy. Executive Engineer  
GIDC Panoli



## NARMADA CLEAN TECH

(A Subsidiary of GIDC)

NCT/BQC /Zero Disc/2016/July- 06

1<sup>st</sup> July, 2016

### TO WHOMSOEVER IT MAY CONCERN

This is to certify that M/s. Unique Chemicals, Plot No. 5, Phase - IV, GIDC Estate, Panoli - 394 116 is a Member of our Company.


As per GPCB, Consolidated Consent Order bearing reference No. GPCB/ANK/CCA-49(9)/ID-15826/360917 (CCA No. AWH - 79944) DT. 28/06/2016, GPCB has mentioned that "Unit shall adhere to Zero Discharge"

The Concern Unit is Zero Discharge Unit, The Booked effluent Quantity of concern unit at NCT is NIL. At present the unit having no underground drainage connection to GIDC.

FOR NARMADA CLEAN TECH

  
ALOK KUMAR  
CHIEF EXECUTIVE OFFICER

Surati Bhagor, Nr. Gujarat Gas Office, Umarwada Road, Ankleshwar - 393 001, Dist. Bharuch (Gujarat)  
Tele : (02646) 645285, 645635, Email : info@nctc.co.in, website : www.nctc.co.in • CIN : U40101GJ2000NPL037286

  
**UNIQUE CHEMICALS**  
(A Div. of J.B. Chemicals & Pharmaceuticals Ltd.)  
Plot No. 5, Phase IV, G.I.D.C, Panoli.

**Annexure- II & III**

**Water consumption & Waste water generation data for July-2019 to Dec. -2019**

Water consumption July to Dec.-2019				Waste water generation July to Dec.-2019			
Month	Water consumption/month (in KL)	Water consumption/day (in KL)	Month	Waste water /month(in KL)	Waste water /day(in KL)		
Jul-2019	5514	177.87	Jul-2019	1941	62.6		
Aug-2019	5978	192.8	Aug-2019	1783	57.5		
Sep-2019	5818	193.96	Sep-2019	1961	63.2		
Oct-2019	4412	130.37	Oct-2019	1549	51.6		
Nov-2019	4374	145.8	Nov-2019	1867	60.2		
Dec-2019	2157	69.6	Dec-2019	1426	47.5		

**Annexure-IV**

**Ambient Air Quality analysis & monitoring results July-2019 to December- 2019**

**AMBIENT AIR MONITORING**

S. N	Date of sampling	Location	PM <sub>2.5</sub> (mg/nm <sup>3</sup> )		PM <sub>10</sub> (mg/nm <sup>3</sup> )		SOX (ug/m <sup>3</sup> )		NOX (ug/m <sup>3</sup> )		HCl (ug/m <sup>3</sup> )	
			Result	Limit	Result	Limit	Result	Limit	Result	Limit	Result	Limit
1	10/07/19	Near main gate	32.94	60	64.21	100	14.51	80	20.43	80	13.43	20
2	10/07/19	Near ETP plant	36.41	60	67.93	100	15.63	80	19.78	80	15.69	20
3	10/07/19	Near canteen area	27.83	60	60.42	100	11.56	80	21.14	80	BDL	20
4	17/07/19	Near main gate	30.14	60	62.96	100	13.29	80	21.74	80	11.93	20
5	17/07/19	Near ETP plant	33.92	60	65.12	100	14.21	80	18.14	80	17.83	20
6	17/07/19	Near canteen area	26.78	60	59.82	100	10.94	80	22.57	80	BDL	20

S. N	Date of sampling	Location	PM <sub>2.5</sub> (mg/nm <sup>3</sup> )		PM <sub>10</sub> (mg/nm <sup>3</sup> )		SOX (ug/m <sup>3</sup> )		NOX (ug/m <sup>3</sup> )		HCl (ug/m <sup>3</sup> )	
			Result	Limit	Result	Limit	Result	Limit	Result	Limit	Result	Limit
1	08/08/19	Near main gate	29.59	60	60.49	100	13.45	80	21.14	80	11.94	20
2	08/08/19	Near ETP plant	32.49	60	61.78	100	16.73	80	20.47	80	16.77	20
3	08/08/19	Near canteen area	25.68	60	56.79	100	10.43	80	22.56	80	BDL	20
4	13/08/19	Near main gate	26.74	60	57.83	100	14.94	80	20.53	80	13.49	20
5	13/08/19	Near ETP plant	29.83	60	60.46	100	15.97	80	18.94	80	18.97	20
6	13/08/19	Near canteen area	24.51	60	53.47	100	11.23	80	21.89	80	BDL	20

S. N	Date of sampling	Location	PM <sub>2.5</sub> (mg/nm <sup>3</sup> )		PM <sub>10</sub> (mg/nm <sup>3</sup> )		SOX (ug/m <sup>3</sup> )		NOX (ug/m <sup>3</sup> )		HCl (ug/m <sup>3</sup> )	
			Result	Limit	Result	Limit	Result	Limit	Result	Limit	Result	Limit
1	06/09/19	Near main gate	27.43	60	58.39	100	14.19	80	20.96	80	13.47	20
2	06/09/19	Near ETP plant	30.18	60	60.14	100	17.84	80	19.31	80	17.89	20
3	06/09/19	Near canteen area	24.21	60	55.68	100	11.94	80	21.43	80	BDL	20
4	17/09/19	Near main gate	25.18	60	55.69	100	13.43	80	21.57	80	12.78	20
5	17/09/19	Near ETP plant	27.89	60	58.93	100	14.74	80	19.34	80	19.37	20
6	17/09/19	Near canteen area	22.78	60	52.13	100	10.56	80	22.46	80	BDL	20

S. N	Date of sampling	Location	PM <sub>2.5</sub> (mg/nm <sup>3</sup> )		PM <sub>10</sub> (mg/nm <sup>3</sup> )		SOX (ug/m <sup>3</sup> )		NOX (ug/m <sup>3</sup> )		HCl (ug/m <sup>3</sup> )	
			Result	Limit	Result	Limit	Result	Limit	Result	Limit	Result	Limit
1	04/10/19	Near main gate	28.24	60	59.63	100	13.59	80	27.37	80	14.59	20
2	04/10/19	Near ETP plant	31.46	60	61.24	100	16.73	80	20.18	80	19.53	20
3	04/10/19	Near canteen area	25.62	60	57.31	100	10.56	80	22.48	80	BDL	20
4	16/10/19	Near main gate	25.97	60	57.12	100	12.68	80	20.73	80	13.67	20
5	16/10/19	Near ETP plant	28.64	60	59.78	100	15.69	80	18.78	80	17.89	20
6	16/10/19	Near canteen area	23.37	60	54.67	100	11.34	80	21.34	80	BDL	20

S. N	Date of sampling	Location	PM <sub>2.5</sub> (mg/nm <sup>3</sup> )		PM <sub>10</sub> (mg/nm <sup>3</sup> )		SOX (ug/m <sup>3</sup> )		NOX (ug/m <sup>3</sup> )		HCl (ug/m <sup>3</sup> )	
			Result	Limit	Result	Limit	Result	Limit	Result	Limit	Result	Limit
1	15/11/19	Near main gate	32.29	60	66.37	100	13.94	80	21.79	80	14.59	20
2	15/11/19	Near ETP plant	36.83	60	38.43	100	16.73	80	20.93	80	20.13	20
3	15/11/19	Near canteen area	28.65	60	61.96	100	12.47	80	24.52	80	BDL	20
4	25/11/19	Near main gate	33.67	60	68.93	100	14.12	80	22.08	80	13.47	20
5	25/11/19	Near ETP plant	37.78	60	70.14	100	15.98	80	20.15	80	21.47	20
6	25/11/19	Near canteen area	29.94	60	62.67	100	11.56	80	11.56	80	BDL	20


S. N	Date of sampling	Location	PM <sub>2.5</sub> (mg/nm <sup>3</sup> )		PM <sub>10</sub> (mg/nm <sup>3</sup> )		SOX (ug/m <sup>3</sup> )		NOX (ug/m <sup>3</sup> )		HCl (ug/m <sup>3</sup> )	
			Result	Limit	Result	Limit	Result	Limit	Result	Limit	Result	Limit
1	07/12/19	Near main gate	31.89	60	66.14	100	11.97	80	20.93	80	13.97	20
2	07/12/19	Near ETP plant	35.69	60	68.63	100	14.56	80	19.72	80	23.43	20
3	07/12/19	Near canteen area	28.97	60	62.93	100	10.96	80	21.56	80	BDL	20
4	24/12/19	Near main gate	34.51	60	69.34	100	12.97	80	21.79	80	12.97	20
5	24/12/19	Near ETP plant	38.53	60	71.26	100	14.53	80	19.61	80	20.13	20
6	24/12/19	Near canteen area	30.43	60	63.12	100	10.93	80	21.43	80	BDL	20

**Annexure -V**  
**Noise Level analysis & monitoring results July-2019 to December- 2019**

**NOISE LEVEL MONITORING JULY TO DEC 2019**

S. N	LOCATION	10/07/2019				08/08/2019				17/09/2019			
		Day time		Night time		Day time		Night time		Day time		Night time	
		Minimum	Maximum	Minimum	Maximum	Mini.	Maxi.	Mini.	Maxi.	Mini.	Maximum	Minimum	Maximum
1.	<b>Inside the Utility &amp; D.G.Set Area</b>												
	Opposition of the Utility Area	73.1	74.3	64.2	65.1	72.3	73.8	64.3	65.4	71.9	74.2	65.5	66.7
	Near the Utility	72.1	73.8	64.1	65.2	71.7	73.2	64.5	65.7	71.2	73.6	66.2	67.3
	Near the D. G. Set Area.	72.6	74.4	57.8	59.1	72.8	74.7	57.8	59.3	73.2	74.4	58.8	59.8
2.	<b>ETP Plant Area.</b>												
	Near the Aeration Tank	72.2	74.1	65.1	66.3	71.6	73.7	64.5	65.9	72.2	73.9	65.1	66.3
	Near the Final disposal Effluent Area	69.9	72.8	62.6	63.5	68.6	72.2	62.3	63.2	68.9	72.5	62.8	63.9
	Near the Sludge drying beds Area.	69.8	72.3	62.3	63.6	68.4	71.6	62.1	63.2	68.6	71.2	62.4	63.9
3.	<b>Near The Security &amp; Main Office :</b>												
	Near the Main Gate.	52.4	58.2	46.4	47.8	51.8	57.8	45.8	48.2	52.3	58.6	46.3	48.6
	Near the Main Office Area.	51.2	55.6	44.1	45.1	51.1	55.2	44.4	45.6	51.5	56.1	44.9	46.2
	Near the Canteen.	63.6	66.7	55.2	56.4	63.2	65.3	54.8	56.2	63.8	66.4	55.2	57.8

S. N	LOCATION	04/10/2019				15/11/2019				02/06/2019			
		Day time		Night time		Day time		Night time		Day time		Night time	
		Mini	Maxi	Mini	Maxi	Mini	Max	Mini	Maxi	Mini	Maxi	Mini	Maxi
1.	<b>Inside the Utility &amp; D.G.Set Area</b>												
	Opposition of the Utility Area	72.3	73.8	65.8	67.2	72.6	74.1	66.2	67.5	73.2	74.4	66.5	67.8
	Near the Utility	71.0	73.2	66.5	67.7	71.3	73.7	66.8	67.9	71.7	73.9	66.6	68.2
	Near the D. G. Set Area.	73.1	74.2	58.7	59.9	73.3	74.4	59.2	60.3	73.5	74.7	59.7	60.6
2.	<b>ETP Plant Area.</b>												
	Near the Aeration Tank	71.8	73.3	65.3	66.5	72.2	73.7	65.7	66.8	72.5	73.9	65.7	67.2
	Near the Final disposal Effluent Area	68.5	72.2	62.3	63.3	68.8	72.9	62.6	63.6	69.1	73.2	62.9	63.9
	Near the Sludge drying beds Area.	68.2	70.4	62.1	63.5	68.6	70.8	62.4	63.7	68.2	70.3	62.6	63.9
3.	<b>Near The Security &amp; Main Office :</b>												
	Near the Main Gate.	51.8	59.2	45.9	47.9	52.2	59.8	46.3	47.6	52.5	59.8	45.8	47.6
	Near the Main Office Area.	52.5	57.2	45.2	46.5	52.8	57.7	45.7	46.8	52.8	57.7	45.2	46.3
	Near the Canteen.	64.2	66.9	56.1	58.2	64.7	67.2	56.6	57.9	64.7	67.2	56.9	58.2

  
**UNIQUE CHEMICALS**  
 (A Div. of J.B. Chemicals & Pharmaceuticals Ltd)  
 Plot No. 5, Phase IV, G.I.D.C, Parol

**Annexure -VI**

**Process gas stack emission & Flue gas stack monitoring results July-2019 to December- 2019**

**FLUE GAS STACK EMISSION-BOILER MONITORING**


S.N	Date of sampling	Flue gas Stack	PM (mg/nm3)		SO2 (PPM)		NOX (PPM)	
			Result	Limit	Result	Limit	Result	Limit
1	10/07/19	Boiler -1	11	150	3.01	100	38.86	50
2	10/07/19	Boiler -2	09	150	2.89	100	36.43	50
3	08/08/19	Boiler -1	10	150	2.89	100	37.81	50
4	08/08/19	Boiler -2	08	150	2.83	100	35.64	50
5	06/09/19	Boiler -1	11	150	2.94	100	38.53	50
6	06/09/19	Boiler -2	09	150	2.87	100	36.14	50
7	04/10/19	Boiler -1	10	150	2.91	100	37.94	50
8	04/10/19	Boiler -2	08	150	2.84	100	35.76	50
9	16/11/19	Boiler -1	11	150	2.84	100	36.74	50
10	16/11/19	Boiler -2	10	150	2.93	100	37.73	50
11	07/12/19	Boiler -1	12	150	2.89	100	37.36	50
12	07/12/19	Boiler -2	09	150	3.06	100	39.46	50

**FLUE GAS STACK EMISSION-DG SET MONITORING**

S.N	Date of sampling	Flue gas Stack	PM (mg/nm3)		SO2 (PPM)		NOX (PPM)	
			Result	Limit	Result	Limit	Result	Limit
1	11/07/19	DG Set -1	57	150	27.95	100	22.37	50
2	11/07/19	DG Set -2	54	150	27.13	100	22.69	50
3	11/07/19	DG Set -3	53	150	27.38	100	22.12	50
4	08/08/19	DG Set -1	54	150	27.35	100	22.62	50
5	08/08/19	DG Set -2	52	150	26.89	100	22.83	50
6	08/08/19	DG Set -3	55	150	27.89	100	21.93	50
7	06/09/19	DG Set -1	58	150	27.87	100	22.98	50
8	06/09/19	DG Set -2	55	150	27.26	100	23.11	50
9	06/09/19	DG Set -3	53	150	27.34	100	22.14	50
10	05/10/19	DG Set -1	60	150	28.14	100	23.19	50
11	05/10/19	DG Set -2	58	150	28.34	100	23.43	50
12	05/10/19	DG Set -3	56	150	27.82	100	22.39	50
13	16/11/19	DG Set -1	57	150	28.56	100	23.58	50
14	16/11/19	DG Set -2	55	150	29.64	100	23.96	50
15	16/11/19	DG Set -3	56	150	26.93	100	23.67	50
16	07/12/19	DG Set -1	59	150	28.94	100	22.68	50
17	07/12/19	DG Set -2	56	150	29.37	100	23.13	50
18	07/12/19	DG Set -3	54	150	27.13	100	22.98	50

**(i) Process gas stacks emission: ( Indolinone & CPDCA)**

S. N	Date of sampling	Process gas Stack	HCl (mg/nm3)	
			Result	Limit
1	10/07/19	Scrubber -1	3.75	20
2	10/07/19	Scrubber -2	4.97	20
3	11/07/19	Scrubber -3	11.43	20
4	11/07/19	Scrubber -4	7.38	20
5	08/08/19	Scrubber -1	4.59	20
6	08/08/19	Scrubber -2	3.89	20
7	09/08/19	Scrubber -3	9.58	20
8	09/08/19	Scrubber -4	8.93	20
9	06/09/19	Scrubber -1	5.31	20
10	06/09/19	Scrubber -2	7.07	20
11	07/09/19	Scrubber -3	9.75	20
12	07/09/19	Scrubber -4	3.66	20
13	04/10/19	Scrubber -1	7.83	20
14	04/10/19	Scrubber -2	9.39	20
15	05/10/19	Scrubber -3	4.57	20
16	05/10/19	Scrubber -4	5.57	20
17	15/11/19	Scrubber -1	5.97	20
18	15/11/19	Scrubber -2	6.78	20
19	16/11/19	Scrubber -3	6.13	20
20	16/11/19	Scrubber -4	3.93	20
21	07/12/19	Scrubber -1	6.73	20
22	07/12/19	Scrubber -2	8.93	20
23	07/12/19	Scrubber -3	7.81	20
24	07/12/19	Scrubber -4	4.59	20

  
**UNIQUE CHEMICALS**  
 (A Div. of J.B. Chemicals & Pharmaceuticals Ltd.)  
 Plot No. 5, Phase IV, G.I.D.C, Panoli

મહાજિલ્લાના સમાચાર

બુધવાર, તા. ૧ ઓગસ્ટ, ૨૦૧૮, સુરત ૫

ર હુમલો

૨૫ ટિપ્પણ કરી દે તેવો છે

જે કોઈને મારવાનો ન હોય તેવા કોઈને મારવાનો હુમલો કરવો તેની સામે આજે સુરત સરકારે પગ મૂક્યો છે. આ સમાજિક ન્યાય હેતુ મિત્ર ન્યૂઝ પેપરે એક સંપૂર્ણ પાના સુધી સ્થાને આપીને તેના વિરુદ્ધ કાર્યવાહી કરવાની જાહેરાત કરી છે.

સોશિલ મીડિયા પર અપરાધ

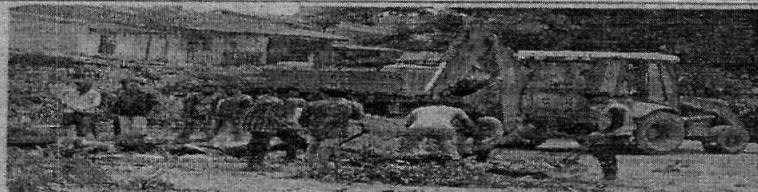
સમાજિક કોમ્યુનિકેશન સેક્ટરમાં સોશિયલ મીડિયાની સુવિધાઓનો વ્યાપક ઉપયોગ થઈ રહ્યો છે. આ સંદર્ભે સુરત સરકારે એક સંપૂર્ણ પાના સુધી સ્થાને આપીને તેના વિરુદ્ધ કાર્યવાહી કરવાની જાહેરાત કરી છે. આ સમાજિક ન્યાય હેતુ મિત્ર ન્યૂઝ પેપરે એક સંપૂર્ણ પાના સુધી સ્થાને આપીને તેના વિરુદ્ધ કાર્યવાહી કરવાની જાહેરાત કરી છે.

બેની ઘટના

બરીયા પૈકી ફૂલાવી દીધું

બેની ઘટનામાં મૃત્યુ થયેલા બેનીના પુત્રને પોલીસે બેની પૈકી ફૂલાવી દીધું છે. આ સમાજિક ન્યાય હેતુ મિત્ર ન્યૂઝ પેપરે એક સંપૂર્ણ પાના સુધી સ્થાને આપીને તેના વિરુદ્ધ કાર્યવાહી કરવાની જાહેરાત કરી છે.

કાનરાલ કરી લો કોના કડોદરા પોલીસે ઘરફોડ ચોરીનો



કાનરાના કાનપુરમાં પીપળાના વૃક્ષો પર કુઠાકો ગીંઠાના પહોળાણ પ્રેમીમાં ચોખ્ખા થયા છે.

કાનરાના કાનપુરમાં વન મહોલ્લાની ઉજવણી માત્ર એક ટોંગ સમાલ બની

નિગમના ચેરમેન વૃક્ષોને સંતાનની જેમ ઉછેરવાનો ઉપદેશ આપતા હતા અને બાજુમાં જ વૃક્ષોનું નિકદંન

વડ, પીપળાના વૃક્ષો પર કુઠાકો ગીંઠાના પહોળાણ પ્રેમીઓની લાગણી દુલભ

ઓપથી તરીકે વપરાતો લીમડો પણ કાપી ના પડ્યો, પહોળાણ પ્રેમીઓ રહિત

કાનરાના કાનપુરમાં વન વિભાગની વન મહોલ્લાની ઉજવણી કરી છે. આ સંદર્ભે સુરત સરકારે એક સંપૂર્ણ પાના સુધી સ્થાને આપીને તેના વિરુદ્ધ કાર્યવાહી કરવાની જાહેરાત કરી છે.

૫૬ અને લીમડો ચેરમાનીનું મહત્વમ માલ બન્યા રહ્યા

કાનરાના કાનપુરમાં વન વિભાગની વન મહોલ્લાની ઉજવણી કરી છે. આ સંદર્ભે સુરત સરકારે એક સંપૂર્ણ પાના સુધી સ્થાને આપીને તેના વિરુદ્ધ કાર્યવાહી કરવાની જાહેરાત કરી છે.

રોકડ લઈ સોની ફરાર મેદ ઉકેલ્યો, બેની ઘરપકડ

વસ્તુને પાકેલી ૩૯ કમીટી વધુની મુદામાલ કમળે કચો

સુરત સરકારે એક સંપૂર્ણ પાના સુધી સ્થાને આપીને તેના વિરુદ્ધ કાર્યવાહી કરવાની જાહેરાત કરી છે. આ સમાજિક ન્યાય હેતુ મિત્ર ન્યૂઝ પેપરે એક સંપૂર્ણ પાના સુધી સ્થાને આપીને તેના વિરુદ્ધ કાર્યવાહી કરવાની જાહેરાત કરી છે.

અંકલેશ્વર પાલિકાની બોર્ડ મીટીંગમાં વિપક્ષનો હુગામો

તમાં અચટી જોડાણ સામે વિરોધ, પાલિકા દેવાદાર બનશે

અંકલેશ્વર પાલિકાની બોર્ડ મીટીંગમાં વિપક્ષનો હુગામો તોળાયો છે. આ સમાજિક ન્યાય હેતુ મિત્ર ન્યૂઝ પેપરે એક સંપૂર્ણ પાના સુધી સ્થાને આપીને તેના વિરુદ્ધ કાર્યવાહી કરવાની જાહેરાત કરી છે.

ફૂલાનાં સુપરવાઈઝરને મારવા મામલે એસપીને શવ

ફૂલાનાં સુપરવાઈઝરને મારવા મામલે એસપીને શવ તોળાયો છે. આ સમાજિક ન્યાય હેતુ મિત્ર ન્યૂઝ પેપરે એક સંપૂર્ણ પાના સુધી સ્થાને આપીને તેના વિરુદ્ધ કાર્યવાહી કરવાની જાહેરાત કરી છે.

M/S. UNIQUE CHEMICALS Environmental Clearance. Plot No. 5, Phase-IV, G.I.C. Estate, PANGLI, Dist. BHARUCH, GUJARAT. It is hereby informed that the State level Environment Impact Assessment Authority, Gandhinagar, Gujarat has approved the Environment Clearance for setting up of manufacturing of Synthetic Organic Chemicals...

UNIQUE CHEMICALS (A Div. of J.B. Chemicals & Pharmaceuticals Ltd.) Plot No. 5, Phase IV, G.I.D.C, Pongli.



મહાજિલ્લાના સમાચાર

ગુરુવાર, તા. ૨ ઓગસ્ટ, ૨૦૧૮, સુરત

નરીક્ષણ કરવા નિકળતા ભરૂચ પાલિકા પ્રમુખની ટીમનો લોકામ ઘેરાવ કર્યો

પાલિકાની પાલિકા મુખને પોત-પોતાના સ્ત્રાવની સમસ્યાઓને ઉચ્ચ સ્તરે ચર્ચાઓ કરી...



ભરૂચ નગરપાલિકાના પ્રમુખને ઉચ્ચ સ્તરે ચર્ચાઓ કરવા લાવવામાં આવ્યા હતા.

કામ ચાલુ છે તે સંબંધે ધીરજ ધરવાની જરૂર છે

કામ ચાલુ છે તે સંબંધે ધીરજ ધરવાની જરૂર છે. કામ ચાલુ છે તે સંબંધે ધીરજ ધરવાની જરૂર છે...

પ્રમુખે કામ ચાલુ છે તે સંબંધે ધીરજ ધરવાની જરૂર છે. કામ ચાલુ છે તે સંબંધે ધીરજ ધરવાની જરૂર છે...

સમગ્ર ઘટના બાદ, સ્થાનિક કમિશનરે સુરત સુબડા કમિશનરને સૂચવ્યું કે કામ ચાલુ છે તે સંબંધે ધીરજ ધરવાની જરૂર છે...

કામ ચાલુ છે તે સંબંધે ધીરજ ધરવાની જરૂર છે. કામ ચાલુ છે તે સંબંધે ધીરજ ધરવાની જરૂર છે...

તાપી જિલ્લામાં નેટવર્ક ખોરવાયું

કોમ્પ્લેક્સનું ગેરકાયદે માંધકામ તોડવાનો માર્ગ મોકળો થયો

કોમ્પ્લેક્સના માલિકની આજ્ઞાએ તોડવા સામે મનાઈ મારાતી અટકાવી દેવાની...

કોમ્પ્લેક્સના માલિકની આજ્ઞાએ તોડવા સામે મનાઈ મારાતી અટકાવી દેવાની...

કોમ્પ્લેક્સના માલિકની આજ્ઞાએ તોડવા સામે મનાઈ મારાતી અટકાવી દેવાની...

કોમ્પ્લેક્સના માલિકની આજ્ઞાએ તોડવા સામે મનાઈ મારાતી અટકાવી દેવાની...

અંકલેશ્વરનાં ઉમરવાડાની SBI બેન્કની બ્રાન્ચ પાંચ દિવસથી બંધ!

અંકલેશ્વરનાં ઉમરવાડાની SBI બેન્કની બ્રાન્ચ પાંચ દિવસથી બંધ! બેન્કની બ્રાન્ચ પાંચ દિવસથી બંધ!

અંકલેશ્વરનાં ઉમરવાડાની SBI બેન્કની બ્રાન્ચ પાંચ દિવસથી બંધ! બેન્કની બ્રાન્ચ પાંચ દિવસથી બંધ!

કપોરના બનાવે છે

કપોરના બનાવે છે. કપોરના બનાવે છે. કપોરના બનાવે છે...

જાહેર નોટીસ તથા જાહેર ચેતવણી

જાહેર નોટીસ તથા જાહેર ચેતવણી. જાહેર નોટીસ તથા જાહેર ચેતવણી...

જાહેર નોટીસ તથા જાહેર ચેતવણી. જાહેર નોટીસ તથા જાહેર ચેતવણી...

UNIQUE CHEMICALS (A Div. of J.B. Chemicals & Pharmaceuticals Ltd.) Plot No. 5, Phase IV, G.I.D.C., Parol.

**Economic Times New paper on 01/08/2018 Wednesday**





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WEDNESDAY, 1 AUGUST 2018

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**Today on ETPrime.com**  
From Kamruj to Kanpur, angel investment goes hyperlocal  
Ban on private manufacturing of oxytocin may save cows but harm pregnant women  
Blame rising costs for Indigo's woes

**Tata Motors Posts Decade's Worst Loss**  
Global headwinds faced by Jaguar Land Rover pulled down Tata Motors into its worst quarterly loss since 2009. It posted a consolidated net loss of ₹1,863 crore for April-June quarter.

**Calling Smart Young Talent**  
Here's shout out to bright young managers you have till August 31 to sign up for the sixth edition of The Economic Times Young Leaders Programme. India's biggest talent hunt to fast-track you to the next growth orbit. Over the last five years, 1,23,000 men and women have gone through grueling tests for a chance to come face-to-face with some of India's best known CEOs. Eventually, only 385 went on to earn the coveted ET Young Leader title. Find out if you have what it takes. Sign up on [www.etyoungleaders.com](http://www.etyoungleaders.com).

## GAS MIGRATION FROM ONGC FIELDS Arbitration Panel Doesn't Find RIL at Fault in ONGC Row

Tribunal rejects Centre's demand of \$1.55 b from co-govt studying order

**Sanjeev Choudhary**  
@timesgroup.com

**New Delhi:** An arbitration panel has ruled that Reliance Industries and its partners, BP Plc and Niro Resouces, did not act unlawfully in the so-called gas migration dispute case, according to people familiar with the matter. The tribunal has rejected the government's contention that Reliance and its partners unjustly enriched by producing gas from ONGC's fields in the KG basin and must return the gains by paying \$1.55 billion to the government.

## Oily Turf

**MAY 2018:** ONGC moves Delhi High Court, alleging RIL producing gas from the PSUs two fields.  
**MAY 2018:** Consultant O&M submits report on gas migration from ONGC fields to NRC.  
**JULY 2018:** Government appoints AP Shah panel to help resolve the dispute.  
**AUG 2018:** Shah panel submits report that says RIL unjustly gained and must return benefit to govt.  
**NOV 2018:** Govt demands \$1.55 billion from RIL, partners.  
**NOV 2018:** RIL calls demand arbitrary, invokes arbitration.  
**JULY 2018:** Arbitration award favours RIL, partners and had not unjustly enriched themselves, according to people familiar with the arbitration award.  
**This is the second legal setback for the oil majors.**

American ecommerce giants 'worried' about 'uneven playing field', see possibility of investments slowing down if suggestions accepted

## Amazon, Walmart May Seek US Help on Ecomm Policy

**Resul Bajaj & Chaitral Chakravarty**  
**New Delhi:** Ecommerce in India may become a diplomatic battleground, American giants Amazon and Walmart feel the draft e-commerce policy is "heavily tilted" against foreign firms and are likely to ask the United States government to push out to Indian policymakers in case the final policy is "not moderated", two industry executives said.

**Policy Pangs**  
**AMAZON HAS PLEDGED TO INVEST \$5 BILLION IN INDIA**  
**WALMART HAS AGREED TO ACQUIRE 7% IN FLIPKART FOR \$16 BILLION**

Both Flipkart & Amazon operate marketplace models. Both Amazon & Flipkart purchase in bulk through their wholesale entities and supply to local vendors. THESE MARKETPLACES have been accused by various groups of violating FDI rules by illegally giving discounts on products. The draft policy seeks to address the alleged violations by the marketplaces.

People familiar with current thinking in Amazon and Walmart told ET there will be plenty of government-to-government talks on this issue. "We expect a barrage of letters to be exchanged between US authorities and the Indian government. In case the policy doesn't become more even handed, 'one person said. Amazon has pledged to invest about \$5 billion into India and Walmart In May agreed to acquire controlling 77% stake in Amazon's local rival Flipkart for \$16 billion. Both US-headquartered giants see India as a top future market. Amazon and Flipkart together account for over 70% of India's e-commerce market. Foreign e-commerce companies are especially wary of the proposed e-commerce regulator because they feel it will intervene in decision making, slowing down business operations. They are worried that the final policy may "create uneven playing field". "We've come to China," said a senior executive of an e-commerce company asking not to be named.

## WhatsApp Payments Hit Office Hours

## Companies: Pursuit of

## Voda-Idea may Find it Hard to Retain Market Share

Analysts say co unlikely to make big investments due to leverage

**Kalyan Parbat**  
@timesgroup.com

**Kolkata:** The Vodafone-Idea merged entity is likely to face a tough time defending its market share and holding on to its high-ARPU data customers as it may be unable to make comparable capex infusions in upgrading 4G network capacity for fighting Airtel and Jio. The common due to its high leverage and sizeable combined debt levels, analysts said.

time exceptional gain from sale of its capex towers business to American Tower Corp. Without the tower sale proceeds, the number 2 telco would have suffered a huge net loss, given the significant depreciation in its operating performance. Analysts estimate the entity's immediate incremental funding needs at ₹10,000 crore before interest, tax, depreciation & amortization (Ebitda) to ₹69.5 crore in the April-June quarter, analysts said. Shares of Idea fell over 5% to close at ₹51.96 on the BSE on Tuesday.

day after the telco reported a weak operational performance in the quarter ended June. Bank of America-Merrill Lynch said "the merged entity would be vulnerable to market share losses as both Jio and Bharti are ahead of Vodafone and Idea in data investment, and are likely to poach their customers". Brokerage JP Morgan said "both Idea and Vodafone India have demonstrated the archetypal conservative behaviour of two debt-stressed firms ahead of a significant merger". Analysts estimate the merged entity's immediate incremental funding needs at ₹10,000 crore besides debt repayment commitments.

**M/s. UNIQUE CHEMICALS**  
Plot No. 5, Phase-IV, GIDC Estate, PANOLI, Dist. BHARUCH, GUJARAT.

**Environmental Clearance**

It is hereby informed that the State level Environment Impact Assessment Authority, Gandhinagar, Gujarat has accorded the Environmental Clearance for setting up of manufacturing of Synthetic Organic Chemicals by M/s. UNIQUE CHEMICALS (A Div. of J.B. CHEMICALS & PHARMA. LTD.) at Plot No. 5, Phase-IV, GIDC Estate, PANOLI, BHARUCH, Gujarat. A copy of the clearance letter is placed at office of Gujarat Pollution Control Board (Ankleshwar & Gandhinagar) and may also be seen at website of State level Environment Impact Assessment Authority, Gandhinagar, Gujarat at <http://eeiaa.gujarat.gov.in>

Date: 31-07-2018

Sd/-  
Executive Director

**IGPL**  
**IG PETROCHEMICALS LIMITED**  
CIN: L51496GA1988PLC000915  
Regd. Off.: T-10, 3rd Floor, Jairam Complex, Mala, Neugli Nagar, Panaji, Goa  
Tel: 0832-2434973; Email: [igpl@igpetro.com](mailto:igpl@igpetro.com) Website: <http://www.igpl.com>  
Corp. Office : 401-404, Raheja Centre, 214 Nariman Point, Mumbai - 400021  
Tel: 022-30286100; Fax: 022-22040747

### Statement of Standalone Unaudited Financial results for the Quarter ended

Sr. No.	Particulars	Quarter Ended	
		30-06-2018	31-03-2018
1	Total Income from Operations (Net)	35,094.04	31,278.22
2	Net profit (before tax, exceptional and extraordinary items)	7,738.52	5,544.22
3	Net profit before tax (after exceptional and extraordinary items)	6,785.52	5,544.22
4	Net profit after tax (after exceptional and extraordinary items)	4,022.23	3,339.93
5	Equity Share Capital (Face value of Rs.10/- each)	3,079.81	3,079.81
6	Reserves (excluding Provisional Reserves)		
7	Basic & Diluted EPS in Rs. (Not Annualised)	13.06	10.8

**Notes:**  
1. The above results were reviewed by the Audit Committee and therefor approved and taken on record by the Board on 31<sup>st</sup> July, 2018.  
2. The above is an extract of the detailed format of quarterly financial results filed with the stock exchanges under Regulation 17 and Disclosure Requirements Regulations, 2015. The full format of the financial results for the quarter ended 30<sup>th</sup> June, 2018 of the Stock Exchanges [www.mseindia.com](http://www.mseindia.com) and [www.bseindia.com](http://www.bseindia.com) and also on the Company's website [www.igpetro.com](http://www.igpetro.com).


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**Annexure-IX**  
**ENVIRONMENT MANAGEMENT PLAN FOR**  
**ENVIRONMENT PROTECTION & SAFE GUARD**

The Project Proponent has adopted a comprehensive Environmental management plan (EMP) which is covering environmental protection measure, abatement of environmental pollution resulting from the project, & also improvement in the ambient environment. The various component of the EMP is outlined as under.

As a part of environmental management plan, a permanent organization set up has been developed to ensure effective implementation. In this effect, M/s. Unique Chemicals has assigned responsibilities to officers from various disciplines to coordinate the activities concerned with management and implementation of pollution control measures. An organogram of Environment management's shown in Annexure -IX. This department undertake the monitoring & controlling of environmental pollution level by measuring stack emissions, Ambient air quality, water and effluent quality, Noise level etc either department or appointing external agency whenever necessary. M/s. Unique Chemicals has a separate laboratory of environment monitoring, which is equipped with different equipment's i.e. pH meter, weighing balance, COD apparatus, BOD apparatus, conductivity meter, necessary glassware's & chemicals. In addition to that M/s. Unique Chemicals has quality control laboratory, which is equipped with sophisticated equipments.

S. N	Conditions as per EIA /EMP	Compliance of condition of EIA/EMP
1)	Water conservation measures have been taken to optimize the fresh water requirement	Water is supplied by Local authority. No water is withdrawn from the any other source. Water conservation measures have been taken to optimize the fresh water requirement. <ul style="list-style-type: none"> <li>• As a part of water conservation unit has installed R-O plant for waste water recovery &amp; thereby reduction in fresh water consumption</li> </ul>
2)	The main objectivities in formulating the environment plan are ⇒ To treat all the pollutions i.e. effluent, air emission & solid waste, which contribute to the discharged of environment with appropriate technology.	Liquid effluents: The process waste water streams are segregated at plant level. <ul style="list-style-type: none"> <li>• The streams which can be used as a by product are separated at plant stage &amp; sold to end users as per CCA to authorized end users having CC &amp;A and permission under Rule -9</li> <li>• The high TDS streams are collected seperatly &amp; sent to MEE plant.</li> <li>• Regular effluent streams are collected in collection tank &amp; transferred to effluent treatment plant. Primary , secondary &amp; tertiary treatment followed by R-O plant &amp; MEE.</li> <li>• The unit is ZLD for waste water with R-O &amp; MEE. The waste water recovered &amp; reuse in utility. The solid salt collected from MEE are sent to TSDF SITE.</li> </ul> Air pollutant & control: Process emissions are HCl gas generated form the process. The HCl gas generated is carried through PPRP pipes to Double packed Alkali tower Scrubber . In double packed alkali tower counter current HCl gas & alkali water is circulated. The gases get neutralized & clean neutral gas outleted through outlet.

  
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		<p>Scrubber water p H maintained always alkaline.</p> <ul style="list-style-type: none"> <li>• VOC &amp; HC are controlled by close system operation , through pumps or vacuum.</li> <li>• Proper recovery system installed followed by carbon tower at the end</li> <li>• In Boiler natural gas is used which is environment friendly fuel.</li> </ul> <p>Solid waste management:</p> <ul style="list-style-type: none"> <li>• Hazardous waste generated are collected /packed &amp; transported to the designated site as per CCA issued by GPCB.</li> </ul>
3)	To comply with all regulation stipulated by central/ state pollution control boards related to air emission and liquid effluents discharged as per Air & water pollution control laws.	<p>We strictly adhere to the conditions stipulated by SPCB / CPCB.</p> <ul style="list-style-type: none"> <li>• Unit is ZLD , hence no discharge of effluent from the premises.</li> <li>• Air emission are always remaining within limit.</li> </ul>
4)	⇒ To handle hazardous waste (As per hazardous waste Management and Handling rules, 1989 of Environmental Protection Act, 1986)	<ul style="list-style-type: none"> <li>• Hazardous waste generated are collected /packed &amp; transported to the designated site as per CCA issued by GPCB.</li> </ul> <p>ETP Sludge: The hazardous solid waste generated within premises is ETP sludge. This is stored in Sludge drying bed having HDPE liners &amp; letchat collection system. Finally packed into HDPE bags &amp; final disposal carried out at common facility M/s. BEIL, Ankleshwar/SEPPL -Kutch. M/s. BEIL has the secure landfill hazardous waste disposal site. The record of solid waste disposal to M/s. BEIL/SEPPL is maintained.</p> <p>Spent Charcoal: Spent charcoal is used for the colour removal in finished product. After utilization of Charcoal the spent Charcoal is collected in HDPE bags. The packed Spent Charcoal kept in Hazardous waste storage area. The spent carbon is sent for sent for COprocessing at Cement plant.</p>
5)	⇒ Monitoring & controlling of pollutants.	<ul style="list-style-type: none"> <li>• Pollutants are monitored third party regularly apart from monitoring by company.</li> </ul>
6)	⇒ To promote further afforestation in the surrounding areas of the plant.	<p>The company has carried out extensive plantation within premises. About 6000 trees are planted. The major species of trees planted includes Neem, Sharu, Nilgiri, Asoka, Gulmohar etc alongwith other flowering and ornamental trees. More than 25% area covered under green belt. Apart from Plantation inside premises , Plant in GIDC area &amp; road plantation has been carried out . Approx. -1500 trees are planted.</p> <p>In the nearby villages also a tree plantation campaign was taken up . At village –Sanjali-500 ; At Village –Bakrol -700 &amp; At village –Kharod -300 Trees are planted.</p>
7)	⇒ To crate good working conditions (devoid of air & noise pollution) for employees.	<p>Noise pollution mainly generated in the area of Utility , due to operation of DG SET &amp; Air compressors.</p> <p>For control of Noise pollution low speed DG Set &amp; Air compressors are installed. Further they provided with canopy to control Noise pollution.</p> <p>Noise level is monitoring is carried out regular interval.</p>
8)	⇒ To reduce fire and accident hazard.	<p>All precautions are taken to avoid foreseeable accident like spillage, fire and explosion hazards and to minimise the effect of</p>

any such accident and to combat the emergency at site level in case of emergency. Some of the preventive safety measures taken to minimise the risk of accident with respect to Technical Safety, Organisation Safety and Personal Safety are listed below:

- The factory is taking all reasonably practicable measures to minimise the risk of such accident in compliance with the legal obligation under the relevant safety.
- All building plans and installations as per relevant acts and duly approved by competent government authorities.
- Process and Equipments are designed by the qualified and experienced professional and fabricated to applicable national/international codes with stage wise inspection.
- Pressure Relief Values and rupture disks have been installed on the reactor and jackets wherever required.
- Hazardous process are controlled by trained workers and qualified & experienced supervisor.
- Safety features such as fire extinguisher, fire hydrant system and suitable Personal Protective Equipment (PPE) are provided, Regular operation and testing of fire hydrant system fire extinguishers are carried out.
- Suitable provision for control of critical process/storage parameters within specified safe limits (use of pressure relief values, rupture discs, safety valves, trip circuits, wherever necessary).
- Use of flameproof electrical equipment, flame arresters and breather valves.
- Provision of Earthing and lightning arrestor to prevent electrical fires and explosions in flammable/ explosive chemicals storage/ processing area.
- Tanks storing hazardous liquid chemicals provided with dyke wall to confine any spillage and facilities easy collection. Necessary separation distance maintain.
- Periodic inspection and testing of pressure valves, equipments, machineries and equipments handling hazardous substances.
- Training of workers and Staff for fire fighting, work permit system, first aid, safe handling of hazardous chemicals and integration safety, in all activities.
- Adequate scrubber system provided to control air pollution.
- Ensuring good housekeeping in factory premises
- Accident / Incident reporting system and information of employees about the same for better awareness.
- Mutual aid arrangement with neighboring units and Disaster Management (DMC) for quick assistance in case of any emergency.
- Site Main Controller system to oversee at several locations indicated appropriate hazardous warning as well as Do's and Don'ts for ensuring operational and personal Safety for information of workers/ staff and visitors.
- Detail of the Evacuation plan.
- Work area-monitoring activities, including level measurements

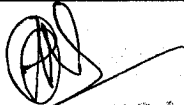


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		<p>Personal Protective Equipments (PPE) like goggles, gumboots, helmets, soap, ear plugs, face mask &amp; clothing are provided to employees as per the job requirement. The company has prepared a comprehensive on-site emergency plan with well defined responsibility to face any eventuality caused under adverse circumstance and unforeseen reason.</p> <p>To avoid any disastrous consequence due to accidental process emission, all the process vents are connected with scrubbing system. To avoid overflow from storage tank, control spillage, dykes were constructed.</p> <p>M/s. Unique Chemicals has adequately installed fire-fighting system in different section of the plant. The maintenance of fire fighting system is giving to outside part.</p> <p>There is no odour nuisance in and around the premises of M/s. Unique Chemicals, due to equipment vents are connected to the scrubbers. Company undertaken public liability insurance under PLI Act. Liability Insurance to compensate environment damages has also been taken by M/s. Unique Chemicals.</p> <p>Some of the Safety precautionary measures taken for manufacturing process are listed below:</p> <ul style="list-style-type: none"> <li>• Safety Relief Valve, Rupture disk, temperature scanner, pressure indicator, flow meter are installed to vessel wherever required.</li> <li>• Cooling/ Chilling water circulation argument is provided to avoid abrupt increase of pressure.</li> <li>• Drying is normally done with steam in jacket under vacuum.</li> <li>• Pressure controlled at the process lines are provided and vent is connected with scrubber as per requirement.</li> <li>• PPE are provided to workers during charging of various raw materials and exhaust ventilation lines are provided as per requirement.</li> <li>• Local fire extinguisher along with fire hydrant system installed.</li> <li>• Necessary interlocking and alarm system is installed wherever required.</li> </ul>
9)	⇒ Perspective budgeting and allocation of funds for environment management expenditure	Company has allocated separate fund as a recurring expense for environment management plan & control of pollution. Approx. Rs. 45 Lakhs/month are utilized towards, recurring expense towards environment protection & pollution control.
10)	⇒ Dissemination of technological solution on commercial basis to interested parties. ⇒ Continuous development and search for innovative technologies for better environment.	Our R & D team continuously work on <ul style="list-style-type: none"> <li>• waste minimization</li> <li>• process optimization</li> <li>• Use of less hazardous material</li> <li>• Recovery of product from the waste stream.</li> </ul>

11 )	⇒ Health & safety of employees	<p>Health hazards associated with the occupation are called occupation hazard. To access any adverse effect of chemicals handled, M/s. Unique Chemicals is carrying out all the following checks to curb the problem:</p> <ol style="list-style-type: none"> <li>1.) Pre-employment medical check up at the time of employment.</li> <li>2.) Annual medical check up is done for all employees twice a year.</li> </ol> <p>The company has engaged a part time MBBS doctor, who visit the company's Occupational Health Center (OHC) regularly. The facilities available in the OHC are as below:</p> <ul style="list-style-type: none"> <li>• Oxygen cylinder</li> <li>• IV fluids 10-10 bottles for isotonic glucose saline</li> <li>• Artificial respirator</li> <li>• Injections</li> <li>• One bed</li> <li>• Suction Machine</li> <li>• BP Apparatus</li> <li>• Emergency bag consisting of the following: <ol style="list-style-type: none"> <li>1) Dressing pads, bandages, ointment and stitch materials (silk thread)</li> <li>2) Following injection with syringe for pain relief, asthmatic , fever, cardiac are available at OHC: <ul style="list-style-type: none"> <li>• Methylene blue (meth- haemoglobinaemia due to chemical exposure)</li> <li>• Dexona (respiratory problem)</li> <li>• Avil (allergy due to any chemical exposure)</li> <li>• Novalgin (pain killer)</li> <li>• Tetanus oxide (vaccine to prevent tetanus)</li> <li>• Deriphylline (allergic asthma due to chemical exposure)</li> </ul> </li> </ol> </li> </ul> <p>Monitoring the occupational hazards like noise, ventilation, chemical exposure is carried out at frequent interval, the records of which are documented. For emergency treatment, the employees are sent to M/s. Smt. Jayaben Modi Hospital, Ankleshwar.</p>
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