



ATUL BIOSCIENCE LTD

Project: Change in product mix of organic chemicals

EC Compliance Report for the period May 2019-October 2019 as per EC F. No. J -11011/84/2009-IA II (I) dated 09.04.2009.

No.	Condition	Compliance																																							
A. Specific Condition																																									
i	<p>The industrial effluent generation shall not exceed 326.8 m³/d. (Total process effluent generation after expansion will be 588.6 m³/d-ref. point 4 of EC)</p>	<p>Complied.</p> <p>The average total industrial effluent generation for the report period is - 88.84 m³/day only which is well within the limit. Details given in below table:</p> <table><tr><th>Wastewater generation</th><th>May 19</th><th>Jun 19</th><th>Jul 19</th><th>Aug 19</th><th>Sep 19</th><th>Oct 19</th><th>Total</th></tr><tr><td>m³/Month</td><td>3641</td><td>3233</td><td>1443</td><td>1492</td><td>3440</td><td>2966</td><td>16215</td></tr><tr><td>m³/day</td><td>119.7</td><td>106.29</td><td>47.44</td><td>49.05</td><td>113.09</td><td>97.51</td><td>88.84 Avg.</td></tr></table> <p>The maximum values during the compliance period confirms that at no time the wastewater generation went beyond the stipulated value. Summery is given below:</p> <table><tr><th>Wastewater generation</th><th>Stipulated value</th><th colspan="3">Values for the period May 19 - Oct 19</th></tr><tr><td></td><td></td><th>Min.</th><th>Max.</th><th>Avg.</th></tr><tr><td>Wastewater generation m³/d</td><td>326.8</td><td>47.44</td><td>119.7</td><td>88.84</td></tr></table>	Wastewater generation	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Total	m³/Month	3641	3233	1443	1492	3440	2966	16215	m³/day	119.7	106.29	47.44	49.05	113.09	97.51	88.84 Avg.	Wastewater generation	Stipulated value	Values for the period May 19 - Oct 19					Min.	Max.	Avg.	Wastewater generation m³/d	326.8	47.44	119.7	88.84
Wastewater generation	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Total																																		
m³/Month	3641	3233	1443	1492	3440	2966	16215																																		
m³/day	119.7	106.29	47.44	49.05	113.09	97.51	88.84 Avg.																																		
Wastewater generation	Stipulated value	Values for the period May 19 - Oct 19																																							
		Min.	Max.	Avg.																																					
Wastewater generation m³/d	326.8	47.44	119.7	88.84																																					
	<p>Out of 326.8 m³/d, 24 m³/d of high COD effluent shall be incinerated in the incinerator (of Atul Ltd as stated in point 4 of EC)</p>	<p>Complied.</p> <p>We have been segregating high COD streams (COD >50000 ppm) and same is being taken for recovery to get economic benefit. Rest lean effluent of COD <2000 ppm is finally sent to ETP for treatment.</p> <p>All the high COD streams are being diverted to recovery system rather than incineration. Streams containing Solvents, oils, etc. are taken for the recovery of the same and reused. Hence, there is no High COD Waste water stream remaining and therefore no incineration was done during this period.</p>																																							
	<p>Remaining 302.8 m³/d of normal effluent stream after mixing with other effluent like cooling tower (111.8 m³/d) shall be treated in ETP for primary and secondary treatment.</p>	<p>Complied.</p> <p>Normal effluent stream is further treated in Effluent Treatment Plant of Atul Ltd. (Ref. Point 4 of EC)</p>																																							

	The treated effluent after confirming to the prescribed standards shall be discharged into estuary of river Par through a 4km long pipe line.	Complied. The treated effluent after confirming to the prescribed standards is being discharged into estuary of river Par through a 4km long pipe line of Atul Ltd. (Ref. Point 4 of EC). The discharged effluent is meeting all pollution board limits and values of various parameters of treated effluent is given in Table 1. (Pl. see pg. no.13) The maximum values during the compliance period confirms that at no time the emission went beyond the stipulated standards. Summary is given below: <table><tr><th rowspan="2">Sr. No.</th><th rowspan="2">Parameter</th><th rowspan="2">Norms</th><th colspan="3">Values for the period May 19 - Oct 19</th></tr><tr><th>Min.</th><th>Max.</th><th>Avg.</th></tr><tr><td>1</td><td>pH</td><td>5.5-9.0</td><td>7.95</td><td>8.3</td><td>8.16</td></tr><tr><td>2</td><td>Temperature</td><td>40 deg C</td><td>30</td><td>32.6</td><td>31.65</td></tr><tr><td>3</td><td>Colour (pt. co. scale)in units</td><td>---</td><td>80</td><td>150</td><td>109.16</td></tr><tr><td>4</td><td>Suspended solids</td><td>100 mg/l</td><td>78</td><td>92</td><td>87.33</td></tr><tr><td>5</td><td>Phenolic Compounds</td><td>5 mg/l</td><td>0.088</td><td>0.55</td><td>0.25</td></tr><tr><td>6</td><td>Cyanides</td><td>0.2 mg/l</td><td>ND</td><td>ND</td><td>ND</td></tr><tr><td>7</td><td>Fluorides</td><td>2 mg/l</td><td>0.55</td><td>0.75</td><td>0.68</td></tr><tr><td>8</td><td>Sulphides</td><td>2 mg/l</td><td>1.2</td><td>1.8</td><td>1.55</td></tr><tr><td>9</td><td>Ammonical Nitrogen</td><td>50 mg/l</td><td>39</td><td>48</td><td>43.83</td></tr><tr><td>10</td><td>Total Chromium</td><td>2 mg/l</td><td>ND</td><td>ND</td><td>ND</td></tr><tr><td>11</td><td>Hexavalent Chromium</td><td>1 mg/l</td><td>ND</td><td>ND</td><td>ND</td></tr><tr><td>12</td><td>BOD (3 days at 27°C)</td><td>100 mg/l</td><td>57</td><td>82</td><td>71</td></tr><tr><td>13</td><td>COD</td><td>250 mg/l</td><td>210</td><td>244</td><td>234</td></tr></table>	Sr. No.	Parameter	Norms	Values for the period May 19 - Oct 19			Min.	Max.	Avg.	1	pH	5.5-9.0	7.95	8.3	8.16	2	Temperature	40 deg C	30	32.6	31.65	3	Colour (pt. co. scale)in units	---	80	150	109.16	4	Suspended solids	100 mg/l	78	92	87.33	5	Phenolic Compounds	5 mg/l	0.088	0.55	0.25	6	Cyanides	0.2 mg/l	ND	ND	ND	7	Fluorides	2 mg/l	0.55	0.75	0.68	8	Sulphides	2 mg/l	1.2	1.8	1.55	9	Ammonical Nitrogen	50 mg/l	39	48	43.83	10	Total Chromium	2 mg/l	ND	ND	ND	11	Hexavalent Chromium	1 mg/l	ND	ND	ND	12	BOD (3 days at 27°C)	100 mg/l	57	82	71	13	COD	250 mg/l	210	244	234
Sr. No.	Parameter	Norms				Values for the period May 19 - Oct 19																																																																																			
			Min.	Max.	Avg.																																																																																				
1	pH	5.5-9.0	7.95	8.3	8.16																																																																																				
2	Temperature	40 deg C	30	32.6	31.65																																																																																				
3	Colour (pt. co. scale)in units	---	80	150	109.16																																																																																				
4	Suspended solids	100 mg/l	78	92	87.33																																																																																				
5	Phenolic Compounds	5 mg/l	0.088	0.55	0.25																																																																																				
6	Cyanides	0.2 mg/l	ND	ND	ND																																																																																				
7	Fluorides	2 mg/l	0.55	0.75	0.68																																																																																				
8	Sulphides	2 mg/l	1.2	1.8	1.55																																																																																				
9	Ammonical Nitrogen	50 mg/l	39	48	43.83																																																																																				
10	Total Chromium	2 mg/l	ND	ND	ND																																																																																				
11	Hexavalent Chromium	1 mg/l	ND	ND	ND																																																																																				
12	BOD (3 days at 27°C)	100 mg/l	57	82	71																																																																																				
13	COD	250 mg/l	210	244	234																																																																																				
ii	Process emissions in the form of HCl shall be scrubbed with water and caustic scrubber and HCl recovered as by product.	Complied. Process emissions in the form of HCl is being recovered up to the possible extent and reused partially in process. Remaining HCl is scrubbed with water and caustic scrubber.																																																																																							
	The emissions shall be dispersed through stack of adequate height as per CPCB standards.	Complied. The emissions is being dispersed through stack of adequate height as per CPCB standards. Gaseous emissions from process units are monitored regularly every month and same are given in Table 2 (Pl. see pg. no. 13). The same is being monitored online and connected with CPCB and GPCB.																																																																																							
	The gaseous emissions from the DG sets shall be dispersed through stack of adequate height as per CPCB standards.	Complied. The gaseous emission from the DG sets is dispersed through stack of adequate height as per CPCB standards. The minimum height of stack is provided using the following formula (ref. CPCB): H = h+0.2x√KVA H =Total height of stack in meter h =Height of the building in meters where the generator set is installed KVA = Total generator capacity of the set in KVA However, DG sets are being used only during emergency.																																																																																							

	Acoustic enclosures shall be provided to the DG set to control the noise pollution.	Complied. DG Sets are having inbuilt acoustic enclosure to control noise pollution.																																																																																																																		
iii	The company shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on its website and shall update the same periodically.	Complied. The status of compliance of stipulated environmental clearance conditions including results of monitored data is posted on our web site. And it can be viewed at: http://www.atulbio.co.in/pdf/ABL-EC-Compliance-Report.pdf																																																																																																																		
	It shall simultaneously be sent to the Regional office of MOEF, the respective Zonal office of CPCB and the State Pollution Control Board.	Complied. Compliance status report is regularly submitted to the Regional office of MOEF, the respective Zonal office of CPCB and the State Pollution Control Board.																																																																																																																		
	The criteria pollutant levels namely: SPM, RSPM, SO2, NOx (ambient levels as well as stack emissions) or critical sectorial parameters like VOC indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Complied. The critical pollutants parameters namely SPM, RSPM, SO2, NOx are monitored regularly on monthly basis and displayed at board at the company entrance. Details of stack results, ambient air monitoring and VOC measured in fugitive emission is given in Table 2, 3 and 4 respectively. (Pl. see pg. no.13,13,15) The maximum values during the compliance period confirms that at no time the emission level went beyond the stipulated standards.																																																																																																																		
		Summary of stack results: <table><tr><th rowspan="2">No.</th><th rowspan="2">Parameter</th><th rowspan="2">Standard values as per CCA</th><th rowspan="2">Unit</th><th colspan="3">Values for the period May 19 - Oct 19</th></tr><tr><th>Min.</th><th>Max.</th><th>Avg.</th></tr><tr><td>1</td><td>HCl</td><td>20</td><td rowspan="2">mg/Nm³</td><td>7.6</td><td>15.7</td><td>11.6</td></tr><tr><td>2</td><td>Cl₂</td><td>9</td><td>6.4</td><td>7.8</td><td>7.1</td></tr></table> Summary of Ambient Air Quality results: <table><tr><th rowspan="2">Station</th><th rowspan="2">Parameter</th><th rowspan="2">Limit micro gm/NM³</th><th colspan="3">Values for the period May 19- Oct 19</th></tr><tr><th>Min.</th><th>Max.</th><th>Avg.</th></tr><tr><td rowspan="4">Behind MPP I Plant</td><td>RSPM (PM2.5)</td><td>60</td><td>49.2</td><td>57</td><td>53.1</td></tr><tr><td>PM10</td><td>100</td><td>77.5</td><td>98</td><td>87.7</td></tr><tr><td>SO₂</td><td>80</td><td>12.8</td><td>24.8</td><td>18.8</td></tr><tr><td>NOx</td><td>80</td><td>9.2</td><td>38.2</td><td>23.7</td></tr><tr><td rowspan="4">Opposite R & D lab</td><td>RSPM (PM2.5)</td><td>60</td><td>36.4</td><td>59</td><td>47.7</td></tr><tr><td>PM10</td><td>100</td><td>69.7</td><td>96</td><td>82.8</td></tr><tr><td>SO₂</td><td>80</td><td>7.8</td><td>21.8</td><td>14.8</td></tr><tr><td>NOx</td><td>80</td><td>13.2</td><td>34.2</td><td>23.7</td></tr><tr><td rowspan="6">66 KV</td><td>RSPM (PM2.5)</td><td>60</td><td>21.3</td><td>45</td><td>32.23</td></tr><tr><td>PM10</td><td>100</td><td>37.6</td><td>58</td><td>45.72</td></tr><tr><td>SO2</td><td>80</td><td>7.5</td><td>9.8</td><td>8.95</td></tr><tr><td>NOx</td><td>80</td><td>7.9</td><td>16.4</td><td>10.37</td></tr><tr><td>Ammonia</td><td>850</td><td>ND</td><td>ND</td><td>ND</td></tr><tr><td>HCl</td><td>200</td><td>ND</td><td>ND</td><td>ND</td></tr><tr><td rowspan="2">Opposite Shed D</td><td>RSPM (PM2.5)</td><td>60</td><td>27</td><td>56</td><td>41.67</td></tr><tr><td>PM10</td><td>100</td><td>34</td><td>60</td><td>46.83</td></tr></table>	No.	Parameter	Standard values as per CCA	Unit	Values for the period May 19 - Oct 19			Min.	Max.	Avg.	1	HCl	20	mg/Nm ³	7.6	15.7	11.6	2	Cl ₂	9	6.4	7.8	7.1	Station	Parameter	Limit micro gm/NM ³	Values for the period May 19- Oct 19			Min.	Max.	Avg.	Behind MPP I Plant	RSPM (PM2.5)	60	49.2	57	53.1	PM10	100	77.5	98	87.7	SO ₂	80	12.8	24.8	18.8	NOx	80	9.2	38.2	23.7	Opposite R & D lab	RSPM (PM2.5)	60	36.4	59	47.7	PM10	100	69.7	96	82.8	SO ₂	80	7.8	21.8	14.8	NOx	80	13.2	34.2	23.7	66 KV	RSPM (PM2.5)	60	21.3	45	32.23	PM10	100	37.6	58	45.72	SO2	80	7.5	9.8	8.95	NOx	80	7.9	16.4	10.37	Ammonia	850	ND	ND	ND	HCl	200	ND	ND	ND	Opposite Shed D	RSPM (PM2.5)	60	27	56	41.67	PM10	100	34
No.	Parameter	Standard values as per CCA					Unit	Values for the period May 19 - Oct 19																																																																																																												
			Min.	Max.	Avg.																																																																																																															
1	HCl	20	mg/Nm ³	7.6	15.7	11.6																																																																																																														
2	Cl ₂	9		6.4	7.8	7.1																																																																																																														
Station	Parameter	Limit micro gm/NM ³	Values for the period May 19- Oct 19																																																																																																																	
			Min.	Max.	Avg.																																																																																																															
Behind MPP I Plant	RSPM (PM2.5)	60	49.2	57	53.1																																																																																																															
	PM10	100	77.5	98	87.7																																																																																																															
	SO ₂	80	12.8	24.8	18.8																																																																																																															
	NOx	80	9.2	38.2	23.7																																																																																																															
Opposite R & D lab	RSPM (PM2.5)	60	36.4	59	47.7																																																																																																															
	PM10	100	69.7	96	82.8																																																																																																															
	SO ₂	80	7.8	21.8	14.8																																																																																																															
	NOx	80	13.2	34.2	23.7																																																																																																															
66 KV	RSPM (PM2.5)	60	21.3	45	32.23																																																																																																															
	PM10	100	37.6	58	45.72																																																																																																															
	SO2	80	7.5	9.8	8.95																																																																																																															
	NOx	80	7.9	16.4	10.37																																																																																																															
	Ammonia	850	ND	ND	ND																																																																																																															
	HCl	200	ND	ND	ND																																																																																																															
Opposite Shed D	RSPM (PM2.5)	60	27	56	41.67																																																																																																															
	PM10	100	34	60	46.83																																																																																																															

			SO2	80	7.9	13.5	10.43	
			NOx	80	8.3	11.3	9.62	
			Ammonia	850	ND	ND	ND	
			HCl	200	ND	ND	ND	
	Near West site ETP	RSPM (PM2.5)	60	24	42	34.00		
		PM10	100	37	62	51.67		
		SO2	80	8.3	11.2	9.92		
		NOx	80	7.2	10.2	9.13		
		Ammonia	850	ND	ND	ND		
		HCl	200	ND	ND	ND		
			Near North ETP	RSPM (PM2.5)	60	27	40	34.17
				PM10	100	38	68	50.50
SO2	80			6.4	10.6	8.97		
NOx	80			5.8	9.8	8.58		
Ammonia	850			ND	ND	ND		
HCl	200			ND	ND	ND		
	TSDF	RSPM (PM2.5)	60	26	58	43.00		
		PM10	100	7.8	59	44.97		
		SO2	80	7.4	10.8	9.23		
		NOx	80	6.3	9.5	7.93		
		Ammonia	850	ND	ND	ND		
		HCl	200	ND	ND	ND		
	Main Guest House	RSPM (PM2.5)	60	12	38	23.17		
		PM10	100	25	53	39.83		
		SO2	80	4.5	10.5	7.50		
		NOx	80	5.1	17.5	10.62		
		Ammonia	850	ND	ND	ND		
		HCl	200	ND	ND	ND		
	Wyeth Colony	RSPM (PM2.5)	60	10	32	19.50		
		PM10	100	26	50	38.00		
		SO2	80	4.1	9.5	6.70		
		NOx	80	4.6	14.2	9.37		
		Ammonia	850	ND	ND	ND		
		HCl	200	ND	ND	ND		
	Gram panchayat hall	RSPM (PM2.5)	60	12	45	25.00		
		PM10	100	29	47	38.83		
		SO2	80	5.8	9.2	7.55		
		NOx	80	5.7	14.2	10.02		
		Ammonia	850	ND	ND	ND		
		HCl	200	ND	ND	ND		
	Main office, North site	RSPM (PM2.5)	60	18	35	27.33		
		PM10	100	35	58	46.67		

		<table><tr><td></td><td>SO2</td><td>80</td><td>7.2</td><td>9.5</td><td>8.52</td></tr><tr><td></td><td>NOx</td><td>80</td><td>7.3</td><td>14.2</td><td>11.27</td></tr><tr><td></td><td>Ammonia</td><td>850</td><td>ND</td><td>ND</td><td>ND</td></tr><tr><td></td><td>HCl</td><td>200</td><td>ND</td><td>ND</td><td>ND</td></tr><tr><td rowspan="6">Haria water tank</td><td>RSPM (PM2.5)</td><td>60</td><td>16.3</td><td>39</td><td>26.80</td></tr><tr><td>PM10</td><td>100</td><td>22.2</td><td>41.1</td><td>34.57</td></tr><tr><td>SO2</td><td>80</td><td>6.7</td><td>9.5</td><td>8.35</td></tr><tr><td>NOx</td><td>80</td><td>5.8</td><td>15.8</td><td>9.45</td></tr><tr><td>Ammonia</td><td>850</td><td>ND</td><td>ND</td><td>ND</td></tr><tr><td>HCl</td><td>200</td><td>ND</td><td>ND</td><td>ND</td></tr></table>		SO2	80	7.2	9.5	8.52		NOx	80	7.3	14.2	11.27		Ammonia	850	ND	ND	ND		HCl	200	ND	ND	ND	Haria water tank	RSPM (PM2.5)	60	16.3	39	26.80	PM10	100	22.2	41.1	34.57	SO2	80	6.7	9.5	8.35	NOx	80	5.8	15.8	9.45	Ammonia	850	ND	ND	ND	HCl	200	ND	ND	ND
	SO2	80	7.2	9.5	8.52																																																				
	NOx	80	7.3	14.2	11.27																																																				
	Ammonia	850	ND	ND	ND																																																				
	HCl	200	ND	ND	ND																																																				
Haria water tank	RSPM (PM2.5)	60	16.3	39	26.80																																																				
	PM10	100	22.2	41.1	34.57																																																				
	SO2	80	6.7	9.5	8.35																																																				
	NOx	80	5.8	15.8	9.45																																																				
	Ammonia	850	ND	ND	ND																																																				
	HCl	200	ND	ND	ND																																																				
		<p>Summary of VOC results:</p> <table><tr><th rowspan="2">Location</th><th rowspan="2">Parameter</th><th rowspan="2">Permissible limit mg/Nm³</th><th colspan="3">Values for the period May 19 - Oct 19</th></tr><tr><th>Min.</th><th>Max.</th><th>Avg.</th></tr><tr><td rowspan="2">Ground Floor MPP2</td><td>Phosgene</td><td>0.4</td><td>0.009</td><td>0.012</td><td>0.010</td></tr><tr><td>Chlorine</td><td>3</td><td>0.9</td><td>2.2</td><td>1.5</td></tr><tr><td>Ground Floor MPP1</td><td>Toluene</td><td>375</td><td>285</td><td>318</td><td>301.5</td></tr></table>	Location	Parameter	Permissible limit mg/Nm³	Values for the period May 19 - Oct 19			Min.	Max.	Avg.	Ground Floor MPP2	Phosgene	0.4	0.009	0.012	0.010	Chlorine	3	0.9	2.2	1.5	Ground Floor MPP1	Toluene	375	285	318	301.5																													
Location	Parameter	Permissible limit mg/Nm³				Values for the period May 19 - Oct 19																																																			
			Min.	Max.	Avg.																																																				
Ground Floor MPP2	Phosgene	0.4	0.009	0.012	0.010																																																				
	Chlorine	3	0.9	2.2	1.5																																																				
Ground Floor MPP1	Toluene	375	285	318	301.5																																																				
iv	<p>The company shall adopt cleaner production technology to minimize the quantity of fresh water requirement and process effluent generation.</p>	<p>Complied.</p> <p>Steam condensate is being collected and used in place of raw water. Various wash water streams are being utilized in the further steps of the process.</p> <p>Details of water consumption break up is given below:</p> <table><tr><th colspan="5">Water Consumption Break up m³</th></tr><tr><th rowspan="2">Period</th><th colspan="3">Water consumption in</th><th rowspan="2">Total</th></tr><tr><th>Process</th><th>Cooling</th><th>Domestic</th></tr><tr><td>May 19</td><td>810</td><td>365</td><td>2466</td><td>3641</td></tr><tr><td>Jun 19</td><td>385</td><td>415</td><td>2433</td><td>3233</td></tr><tr><td>Jul 19</td><td>194</td><td>180</td><td>1069</td><td>1443</td></tr><tr><td>Aug 19</td><td>155</td><td>186</td><td>1151</td><td>1492</td></tr><tr><td>Sep 19</td><td>401</td><td>429</td><td>2610</td><td>3440</td></tr><tr><td>Oct 19</td><td>364</td><td>365</td><td>2237</td><td>2966</td></tr></table>	Water Consumption Break up m³					Period	Water consumption in			Total	Process	Cooling	Domestic	May 19	810	365	2466	3641	Jun 19	385	415	2433	3233	Jul 19	194	180	1069	1443	Aug 19	155	186	1151	1492	Sep 19	401	429	2610	3440	Oct 19	364	365	2237	2966												
Water Consumption Break up m³																																																									
Period	Water consumption in			Total																																																					
	Process	Cooling	Domestic																																																						
May 19	810	365	2466	3641																																																					
Jun 19	385	415	2433	3233																																																					
Jul 19	194	180	1069	1443																																																					
Aug 19	155	186	1151	1492																																																					
Sep 19	401	429	2610	3440																																																					
Oct 19	364	365	2237	2966																																																					
v	<p>The Company shall obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous Waste (Management, Handling and Trans boundary movement) Rules. 2008 for management of hazardous wastes and prior permission from GPCB shall be obtained for disposal of solid / hazardous waste in the TSDF.</p>	<p>Complied.</p> <p>We have obtained authorization under Haz. Waste management rules 2008 and available in our valid current CCA No. AWH 59131 for handling, storage and disposal of hazardous waste.</p>																																																							
	<p>The concerned company shall undertake measures for firefighting facilities in case of emergency.</p>	<p>Compiled.</p> <p>We have two nos. of fire tenders, fully adequate hydrant system and trained staff, emergency response team(ERT) of trained workers, power supply from two source with emergency backup power provision from DG set as well grid and detailed on-site emergency plan. Mock drills are</p>																																																							

		also being carried out at regular interval.
vi	<p>The project authorities shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals Rules. 1989 as amended in October, 1994 and January, 2000</p> <p>All Transportation of Hazardous Chemicals shall be as per the MVA. 1989.</p>	<p>Complied.</p> <p>We are complying with all the requirement of MSIHC rule 1989 as amended in October, 1994 and January, 2000 and having proper storage and handling system, Onsite emergency plan, Licenses, reporting, etc.</p> <p>The company complies with all stipulated norms made in CCA by GPCB in this regard. This has been certified by our Environmental auditors, an authorized agency and nominated by GPCB; through Environmental audit every year. Latest compliance report by N. G. Patel Polytechnic, Surat for year 18-19 is attached as Annexure I.</p> <p>Complied.</p> <p>Transportation of Hazardous chemicals are being done as per the MVA rule 1989.</p>
vii	<p>The company shall undertake following Waste Minimization measures :-</p> <p>Metering and control of quantities of active ingredients to minimize waste.</p> <p>Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.</p> <p>Use of automated filling to minimize spillage.</p> <p>Use of "Close Feed" system into batch reactors.</p> <p>Venting equipment through vapor recovery system.</p> <p>Use of high pressure hoses for equipment clearing to reduce wastewater generation.</p>	<p>Complied. All the liquid ingredients are being charged through measure vessels and/or flow meters to control on quantity as per the stoichiometry. All the solid ingredients are charged after proper weightment only. All these meters and weighing machines are calibrated and records are maintained.</p> <p>Complied. HCl and Solvent recovered are being used as raw material in further steps.</p> <p>Complied. Filling is done on weighing balance manually but in controlled manner to minimize spillage.</p> <p>Complied. All reactors are in close loop and connected with condensers having cooling tower water, Chilled water or Brine water supply for control of fugitive emission.</p> <p>Complied. All the reactors are equipped with vents/stacks, which are connected to either vapor recovery system consisting of condensers, ejector/vacuum pumps and/or scrubbers.</p> <p>Complied. Many equipment like reactors, spray dryers, condenser wherever necessary are being cleaned with high pressure sparger / jet to reduce waste water generation.</p>
viii	<p>Fugitive emissions in the work zone environment, product, raw material storage area shall be regularly monitored.</p> <p>The emissions shall conform to the limits imposed by SPCB.</p>	<p>Complied. Fugitive emissions in the work zone environment and raw material storage area is being regularly monitored by GPCB approved third party. The emission is always being confirmed to the limits.</p> <p>Complied. The emissions confirms the limits. The maximum values during the compliance period confirms that at no time the emission level went beyond the stipulated standards. Summary of stack results given in specific condition no. iii.</p> <p>The detailed results are given in Table 2. (Pl. see pg. no. 13)</p>
ix	<p>The project authorities shall provide the chilled brine solution in secondary condenser for condensation of the VOCs.</p> <p>The project authority shall ensure that the solvent recovery shall not be less than 95%.</p> <p>The VOC monitoring shall be carried in the solvent storage area and data submitted to the</p>	<p>Complied. Chilled brine solution is provided in secondary condenser for condensation of the VOCs.</p> <p>Complied. Solvent recovery is >95%.</p> <p>Complied. We are monitoring VOC as well as other chemicals in work area as per Factories Act and records are being maintained in For No. 37.VOC monitoring done on regular bases and the results are given in</p>

	Ministry.	Table 4 (Pl. see pg. no. 15).						
x	Solvent management shall be as follows :							
	Reactor shall be connected to chilled brine condenser system	Complied. Reactors are connected to chilled brine condenser system						
	Reactor and solvent handling pump shall have mechanical seals to prevent leakages.	Complied. Reactor and solvent handling pump do have mechanical seals to prevent leakages.						
	The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 95% recovery.	Complied. The condensers are provided with sufficient HTA and residence time.						
	Solvents shall be stored in a separate space specified with all safety measures.	Complied. Solvents are stored in tank farms in separate tanks with proper earthing, flame arresters, lightening arresters, fencing, Fire hydrant system, Fire extinguishers, flame proof equipment, etc. safety measures.						
	Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.	Complied. Double earthing is provided and regular checking and testing of the same is being done and recorded.						
	Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.	Complied. Plants are equipped with Jumpers, flame proof electrical fittings and proper earthing as per the Hazardous area classification of PESO.						
xi	Hazardous chemicals shall be stored in tanks in tank farms, drums, carboys, etc.	Complied. Hazardous chemicals are being stored in tanks, drums and carboys considering the storage quantity and chemical stored.						
	An area of 33% green belt and selection of plant species shall be as per the guideline of CPCB.	Complied. Company is having green belt in 33% area of plant and doing plantation every year.						
xii	The Company shall harvest surface as well as rainwater from the rooftops of the buildings and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve fresh water.	Complied. We have installed 120 KL underground tank and 2 nos 30 KL overhead tank to collect rain water from roof tops.						
xiii	Occupational health surveillance of the workers shall be carried out on a regular basis and records shall be maintained as per the Factories Act.	Complied. Details given in below table: <table border="1"> <thead> <tr> <th>Sr. No.</th><th>Month of Examination</th><th>Total No. of Employees</th></tr> </thead> <tbody> <tr> <td>1</td><td>May 19 - Oct 19</td><td>44</td></tr> </tbody> </table>	Sr. No.	Month of Examination	Total No. of Employees	1	May 19 - Oct 19	44
Sr. No.	Month of Examination	Total No. of Employees						
1	May 19 - Oct 19	44						
B. General Conditions								
i	The project authorities shall strictly adhere to the stipulations made by the GPCB.	Complied. The company adheres to the compliances and has not exceeded the stipulation. This has been certified by our Environmental auditors, an authorized agency and nominated by GPCB; through Environmental audit every year. Latest compliance report by N. G. Patel Polytechnic, Surat for year 18-19 is attached as Annexure I.						
ii	No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted	Last change in product mix of organic chemicals was done in 2009 for which referred EC has been sought. Further expansion will be carried out after prior approval of MoEF only. There is no deviation or alteration made in the project than the proposal submitted to MoEF.						

	to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.							
iii	At no time, the emissions shall exceed the prescribed limits.	Complied. Monthly monitoring is being done by GPCB approved, NABL approved agencies. At no time, the emissions exceeded the prescribed limits during report period. Summary of stack emission is given in special condition iii.						
	In the event of failure of any pollution control system adopted by the units, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	Complied. No such case happened during the compliance period.						
iv	The Gaseous emission (NOx, HCl, SO2 and SPM) and Particulate matter along with RSPM levels from various process units shall confirm to the standards prescribed by the concerned authorities from time to time.	Complied. The gaseous emissions (HCl) from process units confirms to the standards prescribed by GPCB through CCA Gaseous emission is regularly monitored. Results given in Table 2 (Pl. see pg. no. 13).						
	At no time, the emission levels shall go beyond the stipulated standards.	Complied. The maximum values during the compliance period confirms that at no time the emission level went beyond the stipulated standards. Summary of stack emission is given in special condition iii.						
	In the event of failure of pollution control system(s) adopted by the unit, the respective unit shall not be restricted until the control measures are rectified to achieve the desired efficiency. Stack monitoring for SO2, Nox and SPM shall be carried.	Complied. No such case happened during compliance period. Whenever such incident of failure of pollution control system happened, we will stop the operation and rectify the problem and then only restart.						
v	The Location of ambient air quality monitoring stations shall be decided in consultation with sated pollution control Board and it shall be ensured that at least one station is installed in the up wind and downwind direction as well as where maximum ground level concentration are anticipated.	Complied. There are two locations have been decided in consultation with GPCB so that at least one station is installed in the up wind and downwind direction as well as where maximum ground level concentration are anticipated for ambient air monitoring. The same had been shown to authority like SPCB, CPCB & MoEF during their visit to our factory. List of our ambient air monitoring station is given below: <table><tr><td>No.</td><td>Location</td></tr><tr><td>1</td><td>Behind MPP I Plant</td></tr><tr><td>2</td><td>Opposite R & D lab</td></tr></table> Apart from this, 10 ambient air stations of Atul Ltd also monitors the surrounding of ABL.	No.	Location	1	Behind MPP I Plant	2	Opposite R & D lab
No.	Location							
1	Behind MPP I Plant							
2	Opposite R & D lab							
vi	Dedicated Scrubbers and stacks of appropriate height as per the central pollution control board guideline shall be provided to	Complied. Dedicated Scrubbers and stacks of appropriate height as per the central pollution control board guideline have been provided to control the						

	control the emission from various vents.	emission from various vents. Details of stack results along with its height data is given in Table 2 (Pl. see pg. no. 13).																																																																																																																														
	The scrubber water shall be sent to ETP for further treatment or sell to actual end users.	Complied. The scrubber water is being sent to ETP for further treatment.																																																																																																																														
vii	The overall noise level in and around the plant area shall be kept well within the standard by providing noise control measures including acoustic hoods silencers, enclosures etc. on all source of noise generation.	Complied. In built Acoustic enclosure, silencer and insulation are provided on all source of noise generation to keep over all noise level within the stipulated standards like DG set, etc.																																																																																																																														
	The ambient noise level shall confirm to the standards prescribed under Environment(Protection) Act-1986 Rules,1989 viz 75 dBA (day time) and 70 dBA (night time)	Complied. The ambient noise level confirm to the standard prescribed under EPA. The maximum values during the compliance period confirms that at no time the emission level went beyond the stipulated standards. Noise level monitoring data (Day Time) <table><tr><th>Sr. No.</th><th>Location</th><th>Permissible Limits, dBA</th><th colspan="3">Values for the period May 19 - Oct 19</th></tr><tr><td></td><td></td><td>75</td><td>Min.</td><td>Max</td><td>Avg.</td></tr><tr><td>1</td><td>Near Main guest house</td><td>75</td><td>52.6</td><td>65.3</td><td>58.7</td></tr><tr><td>2</td><td>Near TSDF</td><td>75</td><td>58.2</td><td>65.9</td><td>62.7</td></tr><tr><td>3</td><td>At Wyeth Colony</td><td>75</td><td>40.2</td><td>62.1</td><td>55.6</td></tr><tr><td>4</td><td>Gram Panchayat Hall</td><td>75</td><td>60.1</td><td>70.2</td><td>64.3</td></tr><tr><td>5</td><td>Near Main Office North site</td><td>75</td><td>60.2</td><td>69.2</td><td>64.6</td></tr><tr><td>6</td><td>ETP North site</td><td>75</td><td>59.3</td><td>70.6</td><td>65.3</td></tr><tr><td>7</td><td>Opposite shed D</td><td>75</td><td>57.6</td><td>68.9</td><td>62.9</td></tr><tr><td>8</td><td>ETP West site</td><td>75</td><td>64.3</td><td>69.3</td><td>67.5</td></tr><tr><td>9</td><td>Water tank Haria road</td><td>75</td><td>45.3</td><td>67.2</td><td>58.9</td></tr><tr><td>10</td><td>Near 66KVA substation</td><td>75</td><td>62.4</td><td>68.1</td><td>64.8</td></tr></table> Noise level monitoring data (Night Time) <table><tr><th>Sr. No.</th><th>Location</th><th>Permissible Limits, dBA</th><th colspan="3">Values for the period May 19 - Oct 19</th></tr><tr><td></td><td></td><td>70</td><td>Min.</td><td>Max.</td><td>Avg.</td></tr><tr><td>1</td><td>Near Main guest house</td><td>70</td><td>49.2</td><td>55.5</td><td>51.4</td></tr><tr><td>2</td><td>Near TSDF</td><td>70</td><td>52.8</td><td>61.3</td><td>58.2</td></tr><tr><td>3</td><td>At Wyeth Colony</td><td>70</td><td>35.4</td><td>53.2</td><td>46.8</td></tr><tr><td>4</td><td>Gram Panchayat Hall</td><td>70</td><td>52.7</td><td>58.6</td><td>55.6</td></tr><tr><td>5</td><td>Near Main Office North site</td><td>70</td><td>54.5</td><td>64.2</td><td>58.5</td></tr><tr><td>6</td><td>ETP North site</td><td>70</td><td>52.8</td><td>60.6</td><td>56.5</td></tr><tr><td>7</td><td>Opposite shed D</td><td>70</td><td>52.1</td><td>60.2</td><td>55.6</td></tr></table>	Sr. No.	Location	Permissible Limits, dBA	Values for the period May 19 - Oct 19					75	Min.	Max	Avg.	1	Near Main guest house	75	52.6	65.3	58.7	2	Near TSDF	75	58.2	65.9	62.7	3	At Wyeth Colony	75	40.2	62.1	55.6	4	Gram Panchayat Hall	75	60.1	70.2	64.3	5	Near Main Office North site	75	60.2	69.2	64.6	6	ETP North site	75	59.3	70.6	65.3	7	Opposite shed D	75	57.6	68.9	62.9	8	ETP West site	75	64.3	69.3	67.5	9	Water tank Haria road	75	45.3	67.2	58.9	10	Near 66KVA substation	75	62.4	68.1	64.8	Sr. No.	Location	Permissible Limits, dBA	Values for the period May 19 - Oct 19					70	Min.	Max.	Avg.	1	Near Main guest house	70	49.2	55.5	51.4	2	Near TSDF	70	52.8	61.3	58.2	3	At Wyeth Colony	70	35.4	53.2	46.8	4	Gram Panchayat Hall	70	52.7	58.6	55.6	5	Near Main Office North site	70	54.5	64.2	58.5	6	ETP North site	70	52.8	60.6	56.5	7	Opposite shed D	70	52.1	60.2	55.6
Sr. No.	Location	Permissible Limits, dBA	Values for the period May 19 - Oct 19																																																																																																																													
		75	Min.	Max	Avg.																																																																																																																											
1	Near Main guest house	75	52.6	65.3	58.7																																																																																																																											
2	Near TSDF	75	58.2	65.9	62.7																																																																																																																											
3	At Wyeth Colony	75	40.2	62.1	55.6																																																																																																																											
4	Gram Panchayat Hall	75	60.1	70.2	64.3																																																																																																																											
5	Near Main Office North site	75	60.2	69.2	64.6																																																																																																																											
6	ETP North site	75	59.3	70.6	65.3																																																																																																																											
7	Opposite shed D	75	57.6	68.9	62.9																																																																																																																											
8	ETP West site	75	64.3	69.3	67.5																																																																																																																											
9	Water tank Haria road	75	45.3	67.2	58.9																																																																																																																											
10	Near 66KVA substation	75	62.4	68.1	64.8																																																																																																																											
Sr. No.	Location	Permissible Limits, dBA	Values for the period May 19 - Oct 19																																																																																																																													
		70	Min.	Max.	Avg.																																																																																																																											
1	Near Main guest house	70	49.2	55.5	51.4																																																																																																																											
2	Near TSDF	70	52.8	61.3	58.2																																																																																																																											
3	At Wyeth Colony	70	35.4	53.2	46.8																																																																																																																											
4	Gram Panchayat Hall	70	52.7	58.6	55.6																																																																																																																											
5	Near Main Office North site	70	54.5	64.2	58.5																																																																																																																											
6	ETP North site	70	52.8	60.6	56.5																																																																																																																											
7	Opposite shed D	70	52.1	60.2	55.6																																																																																																																											

		<table><tr><td>8</td><td>ETP West site</td><td>70</td><td>55.4</td><td>60.3</td><td>57.7</td></tr><tr><td>9</td><td>Water tank Haria road</td><td>70</td><td>38.4</td><td>57.1</td><td>52.3</td></tr><tr><td>10</td><td>Near 66KVA substation</td><td>70</td><td>54.8</td><td>58.3</td><td>56.9</td></tr></table>	8	ETP West site	70	55.4	60.3	57.7	9	Water tank Haria road	70	38.4	57.1	52.3	10	Near 66KVA substation	70	54.8	58.3	56.9							
8	ETP West site	70	55.4	60.3	57.7																						
9	Water tank Haria road	70	38.4	57.1	52.3																						
10	Near 66KVA substation	70	54.8	58.3	56.9																						
		Details are given in Table 5 and 6 (Pl. see pg. no. 15).																									
viii	Training shall be imparted to all employees on safety and health aspects of chemicals handling.	Complied. Company is imparting training to all new employees as well as regular employees at regular intervals. Safety precautions and hazards are also being communicated through display boards at appropriate places in the plants.																									
	Pre-employment and routine periodical medical examination for all employees shall be undertaken on regular basis.	Complied. Company is doing all the new employment with pre medical checkup and routine medical checkup for on roll employee has been done on regular frequency.																									
ix	Usage of PPE's by employee/workers shall be ensured.	Complied. Company have PPE policy in place and strictly follow for all level of employee.																									
x	The project proponent shall also comply with all the environmental protection measures and safeguards proposed in project report submitted to the ministry.	Complied. Company has complied with all the environmental protection measures and safeguards proposed in the report apart from the recommendations made their in.																									
	All the recommendation made in respect of environmental management and risk mitigation measures relating to the project shall be implemented.	Since the project did not require EIA or public hearing, no such recommendations mentioned. However, we are committed for healthy work environment and safe work practices.																									
xi	The company will undertake all relevant measures for improving the socio economic condition for the surrounding area, CSR activities will be undertaken by involving local villages and administration.	Complied. Company is doing CSR activities through its Atul Rural Development Fund trust and is specially designed for up gradation of surrounding area and well fare of nearby localities. List of CSR activities carried out during 18-19 is given below table: <table><tr><th>No.</th><th>CSR activities during May 19 - Oct 19</th></tr><tr><td>1</td><td>Enhancement of education practices in Kalyani Shala</td></tr><tr><td>2</td><td>Imparting training to women to become skilled elementary school teachers (Adhyapika) to improve rural education</td></tr><tr><td>3</td><td>Promoting socio cultural and extracurricular activities for school children</td></tr><tr><td>4</td><td>Women empowerment initiatives</td></tr><tr><td>5</td><td>Providing health services through health camps</td></tr><tr><td>6</td><td>Contribution for advance treatment of Cancer patients</td></tr><tr><td>7</td><td>Tribal Home stay project</td></tr><tr><td>8</td><td>Enhancement of rural infrastucture</td></tr></table> The summary of expense occurred in CSR activities for last three years is listed below: <table><tr><th>Budget for Financial year (Rs. in lakhs)</th><th>Actual Expense during year Apr. 19 - Sept. 19 (Rs. in lakhs)</th></tr><tr><td>375.0</td><td>216.8</td></tr></table>				No.	CSR activities during May 19 - Oct 19	1	Enhancement of education practices in Kalyani Shala	2	Imparting training to women to become skilled elementary school teachers (Adhyapika) to improve rural education	3	Promoting socio cultural and extracurricular activities for school children	4	Women empowerment initiatives	5	Providing health services through health camps	6	Contribution for advance treatment of Cancer patients	7	Tribal Home stay project	8	Enhancement of rural infrastucture	Budget for Financial year (Rs. in lakhs)	Actual Expense during year Apr. 19 - Sept. 19 (Rs. in lakhs)	375.0	216.8
No.	CSR activities during May 19 - Oct 19																										
1	Enhancement of education practices in Kalyani Shala																										
2	Imparting training to women to become skilled elementary school teachers (Adhyapika) to improve rural education																										
3	Promoting socio cultural and extracurricular activities for school children																										
4	Women empowerment initiatives																										
5	Providing health services through health camps																										
6	Contribution for advance treatment of Cancer patients																										
7	Tribal Home stay project																										
8	Enhancement of rural infrastucture																										
Budget for Financial year (Rs. in lakhs)	Actual Expense during year Apr. 19 - Sept. 19 (Rs. in lakhs)																										
375.0	216.8																										
xii	The company shall undertake eco developmental measures including community welfare	Complied as mentioned in xi above.																									

	measures in the project area for the overall improvement of the environment.															
xiii	A Separate environmental management cell equipped with full flagged laboratory facility shall be set up to carry out the environmental management and monitoring function.	<p>Complied.</p> <p>Company has tie up with its parent company Atul Limited where separate Environmental Management Cell equipped with full-fledged laboratory facilities to carry out the environment management and monitoring functions.</p>														
xiv	The project authorities shall provide adequate funds both recurring and non-recurring to implement the conditions stipulated by the Ministry of Environment and Forest as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purposes.	<p>Complied.</p> <p>EMP measures are implemented by 2010 and many things have already been at place.</p> <p>Non recurring cost: Rs. 70.0 Lacs</p> <p>Recurring cost: A separate budget is being allocated every year to comply with all the legal requirement stipulated by SPCB, CPCB & MoEF apart from upkeep of pollution control systems and facilities. Total expenditure for the report period is given in below table:</p> <table border="1"> <thead> <tr> <th>Expenditure for months</th><th>Particular</th><th>Expenses Rs. (in lacs)</th></tr> </thead> <tbody> <tr> <td rowspan="5">May 19- Oct 19 Including, recurring maintenance, modifications and monitoring.</td><td>Electricity</td><td>137.90</td></tr> <tr> <td>Waste disposal</td><td>41.06</td></tr> <tr> <td>Salary</td><td>174.61</td></tr> <tr> <td>Chemicals (Raw Material), Maintenance, modifications & Monitoring</td><td>18.71</td></tr> <tr> <td>Total</td><td>372.28</td></tr> </tbody> </table>	Expenditure for months	Particular	Expenses Rs. (in lacs)	May 19- Oct 19 Including, recurring maintenance, modifications and monitoring.	Electricity	137.90	Waste disposal	41.06	Salary	174.61	Chemicals (Raw Material), Maintenance, modifications & Monitoring	18.71	Total	372.28
Expenditure for months	Particular	Expenses Rs. (in lacs)														
May 19- Oct 19 Including, recurring maintenance, modifications and monitoring.	Electricity	137.90														
	Waste disposal	41.06														
	Salary	174.61														
	Chemicals (Raw Material), Maintenance, modifications & Monitoring	18.71														
	Total	372.28														
xv	<p>A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila parishad/Municipal Corporation. Urban local body and the local NGO, if any, from who suggestions/representation, if any, were received while processing the proposal.</p> <p>The clearance letter shall also be put on the web site of the company by the proponent.</p>	<p>Complied.</p> <p>Latest submission to the Panchayat, Zila parishad, District Industrial Centre was distributed on 11.11.2016. Copy of the same was submitted to Ministry vide our letter Atul/SHE/MoEF/Visit/3 dated 4.4.17.</p> <p>Complied. Available at company's website at http://www.atulbio.co.in/pdf/ABL-EC-Compliance-Report.pdf</p>														
xvi	The implementation of the project vis-à-vis environmental action plan shall be monitored by Ministry's Regional office at Bhopal / SPCB / CPCB.	Complied. SPCB and MoEF is monitoring through their regular visits.														
xvii	<p>The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at website of the Ministry of Environment and Forest at http://www.envfor.ni.in.</p> <p>This shall be advertised within seven days from the date of</p>	<p>Complied.</p> <p>We informed the public through advertisement and by sending our EC to local Panchayat, Zila parishad, District Industrial Centre for further actions at their end.</p> <p>Advertisement was published and copy of the same was submitted to Ministry vide our letter Atul/SHE/MoEF/Visit/3 dated 4.4.17.</p>														

	issue of the clearance letter at least in two local newspaper that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Ministry's Regional office at Bhopal.	
xviii	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closures and final approval of the project by the concerned authorities and the date of start of the project.	Complied. Start date : April 2009 Completion date : March 2010 Final approval : We have obtained NOC and CCA from GPCB. Company has funded the project internally and hence not submitted the financial closure details.
9	The Ministry may revoke or suspend the clearance if implementation of any of the above conditions is not satisfactory.	Noted.
10	The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.	Noted and will be complied.
11	Any appeal against this Environment clearance shall lie with the national appellate authority, if preferred, within a period of 30 days as prescribed under section 11 of National Environment Appellate Authority Act, 1997.	Noted.
12	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 the Air ((Prevention and Control of Pollution) Act, 1981 the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundry movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Noted.

Table 1 : Quality of treated effluent

Sr. No.	Parameter	Results						GPCB Limits
		May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	
1	pH	8.25	8.20	7.95	8.10	8.30	8.19	5.5 to 9.0
2	Temperature °C	32.4	30	31.6	32.6	31.9	31.4	40 °C
3	Colour (pt. co. scale)in units	150	110	125	90	80	100	---
4	Suspended solids, mg/l	84	92	86	92	78	92	100
5	Phenolic Compounds, mg/l	0.35	0.28	0.55	0.14	0.098	0.088	5
6	Cyanides, mg/l	ND	ND	ND	ND	ND	ND	0.2
7	Fluorides, mg/l	0.75	0.70	0.55	0.60	0.75	0.75	2
8	Sulphides, mg/l	1.7	1.2	1.8	1.6	1.8	1.2	2
9	Ammonical Nitrogen, mg/l	44	42	39	46	44	48	50
10	Total Chromium, mg/l	ND	ND	ND	ND	ND	ND	2
11	Hexavalent Chromium, mg/l	ND	ND	ND	ND	ND	ND	1
12	BOD (3 days at 27°C), mg/l	70	57	64	75	82	78	100
13	COD, mg/l	240	230	210	240	244	240	250
Note : ND is Not Detectable.								

Table 2 : Stack Results

Stack attached to	Stack Height m	Parameter	Permissible limit	Results in Milligram per NM ³					
				May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19
MPP1	5.00	HCl	20	8.0	8.0	7.6	12.1	8.4	15.7
		Cl ₂	9	7.8	7.8	7.4	6.4	7.8	7.2

Table 3 : Ambient Air Monitoring details

Station	Parameter	Limit microgm/NM ³	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19
Behind MPP I Plant	RSPM (PM2.5)	60	56	54	52	49.2	56	57
	PM10	100	96	98	83	77.5	96	98
	SO ₂	80	16.4	24.8	12.8	16.4	15.8	14.2
	NO _x	80	38.2	36.1	9.2	21.8	19.2	20.6
Opposite R & D lab	RSPM (PM2.5)	60	59	55	44	36.4	41	52

	PM10	100	96	90	76	69.7	88	90
	SO ₂	80	19.4	21.8	10.4	7.8	11.2	18.2
	NO _x	80	34.2	30.2	13.2	16.9	14.8	16.7

66 KV	PM 2.5	60	45	41	34.5	30.2	21.4	21.3
	PM10	100	58	50.7	43.3	41.2	37.6	43.5
	SO2	80	9.5	9.2	9.2	8.5	7.5	9.8
	NOx	80	9.1	9.1	11.5	7.9	8.2	16.4
	Ammonia	850	ND	ND	ND	ND	ND	ND
	HCl	200	ND	ND	ND	ND	ND	ND
Opposite Shed D	PM 2.5	60	55	56	46	38	27	28
	PM10	100	60	58	48	46	34	35
	SO2	80	13.5	12.8	10.3	9.4	8.7	7.9
	NOx	80	11.3	10.9	9.1	8.5	9.6	8.3
	Ammonia	850	ND	ND	ND	ND	ND	ND
	HCl	200	ND	ND	ND	ND	ND	ND
Near West site ETP	PM 2.5	60	42	41	37	35	25	24
	PM10	100	62	60	52	60	37	39
	SO2	80	11.2	11	11.2	8.3	9.1	8.7
	NOx	80	9.9	9.7	8.4	7.2	10.2	9.4
	Ammonia	850	ND	ND	ND	ND	ND	ND
	HCl	200	ND	ND	ND	ND	ND	ND
Near North ETP	PM 2.5	60	40	38	39	32	29	27
	PM10	100	68	64	45	48	38	40
	SO2	80	10.6	10.2	9.8	6.4	8.5	8.3
	NOx	80	9.8	9.6	8.5	5.8	9.2	8.6
	Ammonia	850	ND	ND	ND	ND	ND	ND
	HCl	200	ND	ND	ND	ND	ND	ND
TSDF	PM 2.5	60	58	56	40	36	42	26
	PM10	100	59	57	49	51	7.8	46
	SO2	80	10.1	10.3	10.8	8.2	8.6	7.4
	NOx	80	9.5	9.2	8.2	6.3	6.3	8.1
	Ammonia	850	ND	ND	ND	ND	ND	ND
	HCl	200	ND	ND	ND	ND	ND	ND
Main Guest House	PM 2.5	60	38	36	25	12	13	15
	PM10	100	53	52	48	32	29	25
	SO2	80	10.3	10.5	8.1	6.4	5.2	4.5
	NOx	80	17.2	17.5	12.5	5.1	6.2	5.2
	Ammonia	850	ND	ND	ND	ND	ND	ND
	HCl	200	ND	ND	ND	ND	ND	ND
Wyeth Colony	PM 2.5	60	32	30	24	10	11	10
	PM10	100	49	50	42	30	31	26

	SO2	80	9.5	9.2	7.9	5.2	4.3	4.1
	NOx	80	14.1	14.2	11.3	6.3	5.7	4.6
	Ammonia	850	ND	ND	ND	ND	ND	ND
	HCl	200	ND	ND	ND	ND	ND	ND
Gram panchayat hall	PM 2.5	60	45	41	22	15	15	12
	PM10	100	45	47	40	38	34	29
	SO2	80	9.2	9.1	8.6	6.4	5.8	6.2
	NOx	80	13.2	14.2	10.5	9.4	7.1	5.7
	Ammonia	850	ND	ND	ND	ND	ND	ND
	HCl	200	ND	ND	ND	ND	ND	ND
Main office, North site	PM 2.5	60	35	34	35	23	18	19
	PM10	100	58	56	51	42	38	35
	SO2	80	9.3	9.5	9.1	8.4	7.6	7.2
	NOx	80	13.5	12.8	14.2	11.2	8.6	7.3
	Ammonia	850	ND	ND	ND	ND	ND	ND
	HCl	200	ND	ND	ND	ND	ND	ND
Haria water tank	PM 2.5	60	39	35	35	17.2	16.3	18.3
	PM10	100	41.1	40	40	22.2	39.7	24.4
	SO2	80	8.8	8.2	9.1	7.8	6.7	9.5
	NOx	80	9.3	9.6	8.6	5.8	7.6	15.8
	Ammonia	850	ND	ND	ND	ND	ND	ND
	HCl	200	ND	ND	ND	ND	ND	ND

Table 4 : VOC results

Location	Parameter	Permissible limit	Results of VOCs in Milligram per NM3					
			May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19
Ground Floor MPP2	Phosgene	0.4	0.009	0.012	ND	ND	ND	ND
	Chlorine	3.0	1.0	1.4	0.9	1.2	1.6	2.2
Ground Floor MPP1	Toluene	375	270	310	285	318	296	308

Table 5 : Noise level monitoring data (Day Time)

Sr. No.	Location	Noise Level, dBA						Permissible Limits, dBA
		May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	
								75
1	Near Main guest house	65.3	64.2	58.6	52.6	55.3	56.7	75
2	Near TSDF	65.9	63.4	62.3	58.2	62.4	64.2	75
3	At Wyeth Colony	61.3	62.1	56.4	40.2	56.4	57.3	75
4	Gram Panchayat Hall	70.2	67.2	65.7	60.7	60.1	62.4	75
5	Near Main Office North site	66.9	67.2	69.2	62.2	62.4	60.2	75
6	ETP North site	70.6	69.8	62.8	59.3	65.4	64.3	75
7	Opposite shed D	68.9	57.6	61.3	62.4	62.8	64.8	75
8	ETP West site	69.3	68.4	67.4	64.3	67.2	68.5	75
9	Water tank Haria road	65.1	67.2	58.7	45.3	57.6	59.7	75
10	Near 66KVA substation	66.9	65.2	68.1	63.2	62.4	63.3	75

Table 6 : Noise level monitoring data (Night Time)

Sr. No.	Location	Noise Level, dBA						Permissible Limits, dBA
		May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	
								70
1	Near Main guest house	55.5	52.4	50.2	49.2	51.2	50.2	70
2	Near TSDF	61.3	60.2	59.8	52.8	59.8	55.7	70
3	At Wyeth Colony	53.2	52.4	50.4	35.4	45.2	44.7	70
4	Gram Panchayat Hall	56.2	53.4	52.7	55.7	58.6	57.3	70
5	Near Main Office North site	59.1	57.3	64.2	58.6	54.5	57.3	70
6	ETP North site	55.9	52.8	58.4	53.2	60.6	58.6	70
7	Opposite shed D	55.4	53.4	52.1	54.2	58.4	60.2	70
8	ETP West site	57.3	56.1	55.4	60.3	59.5	57.8	70
9	Water tank Haria road	56.8	57.1	54.2	38.4	55.3	52.3	70
10	Near 66KVA substation	56.9	58.3	56.1	54.8	58.2	57.2	70

ENVIRONMENTAL AUDIT REPORT

(AUDIT PERIOD : APRIL 2018 - MARCH 2019)

M/s. Atul Bioscience Ltd.

At & Post-Atul, S.No.33-P, 35-P, 37-P

Dist: Valsad.



**ENVIROCHEM AUDIT CELL
CHEMICAL ENGINEERING DEPARTMENT
SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY MANAGED**

N. G. PATEL POLYTECHNIC

**At. ISROLI - AFWA, P.O. AFWA, TAL.: BARDOLI,
DIST.: SURAT - 394 620**

**E-MAIL : chem_ngp@yahoo.co.in, WEB SITE: www.ngpatelpoly.ac.in
PH. (02622) 223841, 225591. FAX : (02622) 227613**

OBSERVATIONS:

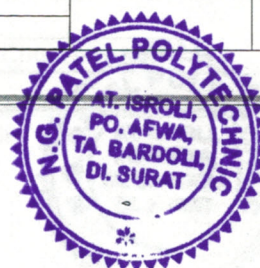
1. Industry is possession of valid CC&A with order number AWH-98346 dated 04/10/2018 valid up to 30/06/2023.
2. **M/s. Atul Bioscience Ltd**, has One Number Gas Generation set (D.G. set, 50 KVA), which is use HSD as a fuel.
3. Two stage HCl scrubber is provided as pollution control equipment for the product 4-Map & 1-chloroethyl-isopropyl carbonate. The height of scrubber is increased from 6 mtr to 15 mtr for effective dispersion of air pollutants.
4. Magnetic flow meters are installed. Presently quantity of effluent is measured by magnetic flow meter.
5. Personal protective devices such as hand gloves, safety glass, cotton dust Masks, are purchased by company and provided to each concerned.
6. Material, Water & Energy consumption details are included in this audit report from the records maintained by **M/s. Atul Bioscience Ltd**, along with Health & Safety aspects.
7. All the parameters of ambient air and stack emission are found to be within the prescribed limit.
8. General housekeeping is fair.

RECOMMENDATIONS:

1. It is recommended to install the online Continuous Emission Monitoring System as per new CPCB guidelines.

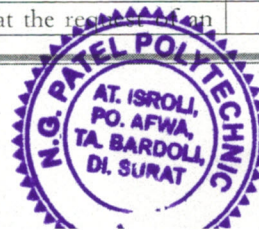
ANNEXURE – 25
COMPLIANCE REPORT

Sr. No.	Condition	Compliance																																			
1	Consent order No.: AWH-59131, dated: 11/10/2013	--																																			
2	<p>The consents shall be valid up to 30/06/2023</p> <p>The consent shall be for use of outlet for the discharge of trade effluent & emission due to operation of industrial plant for manufacture of the following items/products:</p> <table><tr><th>SR. NO.</th><th>Product Name</th><th>CCA capacity (MT/M)</th></tr><tr><td>1</td><td>4 MPA (4 –Methoxy Aceto Phenone)</td><td>100</td></tr><tr><td rowspan="3">2</td><td>4-(2,3-Epoxypropoxyl)-9H-carbazole</td><td>18.5</td></tr><tr><td>R(+)-2-(Diphenyl hydroxymethyl)-Pyrolidine (RADPP)</td><td>1</td></tr><tr><td>DIPHENOLPROLINOL CBS Catalyst</td><td>0.5</td></tr><tr><td rowspan="4">3</td><td>l-Chloroethyl Isopropyl Carbonate</td><td rowspan="3">130</td></tr><tr><td>Chloroethyl Cyclohex I Carbonate</td></tr><tr><td>ChIoroethyl Ethyl Carbonate</td></tr><tr><td>Chloro Methyl Isopropyl Carbonate</td><td>20</td></tr><tr><td>4</td><td>DBED Diacetate</td><td>110</td></tr><tr><td rowspan="2">5</td><td>2-Cyano 4-methylbiphenyl</td><td rowspan="2">60</td></tr><tr><td>Z-Valine</td></tr><tr><td></td><td>L-Valine Methyl Ester</td><td>10</td></tr><tr><td rowspan="2">6</td><td>Vanlafaxine</td><td>15</td></tr><tr><td>DBAD</td><td>5</td></tr></table>	SR. NO.	Product Name	CCA capacity (MT/M)	1	4 MPA (4 –Methoxy Aceto Phenone)	100	2	4-(2,3-Epoxypropoxyl)-9H-carbazole	18.5	R(+)-2-(Diphenyl hydroxymethyl)-Pyrolidine (RADPP)	1	DIPHENOLPROLINOL CBS Catalyst	0.5	3	l-Chloroethyl Isopropyl Carbonate	130	Chloroethyl Cyclohex I Carbonate	ChIoroethyl Ethyl Carbonate	Chloro Methyl Isopropyl Carbonate	20	4	DBED Diacetate	110	5	2-Cyano 4-methylbiphenyl	60	Z-Valine		L-Valine Methyl Ester	10	6	Vanlafaxine	15	DBAD	5	Complied
SR. NO.	Product Name	CCA capacity (MT/M)																																			
1	4 MPA (4 –Methoxy Aceto Phenone)	100																																			
2	4-(2,3-Epoxypropoxyl)-9H-carbazole	18.5																																			
	R(+)-2-(Diphenyl hydroxymethyl)-Pyrolidine (RADPP)	1																																			
	DIPHENOLPROLINOL CBS Catalyst	0.5																																			
3	l-Chloroethyl Isopropyl Carbonate	130																																			
	Chloroethyl Cyclohex I Carbonate																																				
	ChIoroethyl Ethyl Carbonate																																				
	Chloro Methyl Isopropyl Carbonate	20																																			
4	DBED Diacetate	110																																			
5	2-Cyano 4-methylbiphenyl	60																																			
	Z-Valine																																				
	L-Valine Methyl Ester	10																																			
6	Vanlafaxine	15																																			
	DBAD	5																																			
3	CONDITON UNDER THE WATER ACT:																																				
3.1	<p>The quantity of total fresh water consumption shall not exceed 800.40 KLD as per break up mentioned in form D submitted for consent application under the Water (Prevention and Control of Pollution) Act-1974. Source of fresh water shall only from GIDC supply.</p> <p>a) Industrial: 496.5 KLD</p> <p>b) Domestic:150 KLD</p>	Complied																																			
3.2	Total quantity of effluent generated from manufacturing process and other ancillary operation shall not exceed 462.65 KLD.	Complied																																			
3.3	Generated 438.63 KLD effluent shall be treated in ETP and discharged into tidal zone of River through closed pipeline provided by M/s. Atul Ltd.	Complied																																			
3.4	24.02 KLD high COD waste water shall be incinerated in captive incinerator.	Complied																																			
3.5	The quantity of Domestic waste water (Sewage) from the industry shall not exceed 150 KLD	Complied																																			
3.6	TRADE EFFLUENT:																																				
3.6.1	<p>The treated effluent from the industrial unit shall conform to the CETP inlet norms mentioned in below table:</p> <table><tr><th>PARAMETERS</th><th>CETP INLET NORMS</th></tr><tr><td>pH</td><td>6.5 to 8.5</td></tr><tr><td>Temperature</td><td>40°C</td></tr><tr><td>Suspended Solids</td><td>100 mg/L</td></tr><tr><td>Oil & Grease</td><td>10 mg/L</td></tr><tr><td>Phenolic Compounds</td><td>1 mg/L</td></tr><tr><td>Cyanides</td><td>0.2 mg/L</td></tr></table>	PARAMETERS	CETP INLET NORMS	pH	6.5 to 8.5	Temperature	40°C	Suspended Solids	100 mg/L	Oil & Grease	10 mg/L	Phenolic Compounds	1 mg/L	Cyanides	0.2 mg/L	Complied																					
PARAMETERS	CETP INLET NORMS																																				
pH	6.5 to 8.5																																				
Temperature	40°C																																				
Suspended Solids	100 mg/L																																				
Oil & Grease	10 mg/L																																				
Phenolic Compounds	1 mg/L																																				
Cyanides	0.2 mg/L																																				



	<table><tr><td>Fluorides</td><td>2 mg/L</td></tr><tr><td>Sulphides</td><td>2 mg/L</td></tr><tr><td>Ammonical Nitrogen</td><td>50 mg/L</td></tr><tr><td>Arsenic</td><td>0.2 mg/L</td></tr><tr><td>Total Chromium</td><td>2 mg/L</td></tr><tr><td>Hexavalent Chromium</td><td>0.1 mg/L</td></tr><tr><td>Copper</td><td>3 mg/L</td></tr><tr><td>Lead</td><td>0.1 mg/L</td></tr><tr><td>Mercury</td><td>0.01 mg/L</td></tr><tr><td>Nickel</td><td>3 mg/L</td></tr><tr><td>Zinc</td><td>5 mg/L</td></tr><tr><td>Cadmium</td><td>2 mg/L</td></tr><tr><td>Iron</td><td>3 mg/L</td></tr><tr><td>BOD (5 Days at 20°C)</td><td>100 mg/L</td></tr><tr><td>COD</td><td>250 mg/L</td></tr><tr><td>Chlorides</td><td>600 mg/L</td></tr><tr><td>Sulphates</td><td>1000 mg/L</td></tr><tr><td>Fixed Dissolved Solids</td><td>2100 mg/L</td></tr><tr><td>Insecticides / Pesticides</td><td>Absent</td></tr><tr><td>Sodium Percent</td><td>60</td></tr><tr><td>Bio-assay test</td><td>90% survival for fish after 96 hours in 100% effluent</td></tr></table>	Fluorides	2 mg/L	Sulphides	2 mg/L	Ammonical Nitrogen	50 mg/L	Arsenic	0.2 mg/L	Total Chromium	2 mg/L	Hexavalent Chromium	0.1 mg/L	Copper	3 mg/L	Lead	0.1 mg/L	Mercury	0.01 mg/L	Nickel	3 mg/L	Zinc	5 mg/L	Cadmium	2 mg/L	Iron	3 mg/L	BOD (5 Days at 20°C)	100 mg/L	COD	250 mg/L	Chlorides	600 mg/L	Sulphates	1000 mg/L	Fixed Dissolved Solids	2100 mg/L	Insecticides / Pesticides	Absent	Sodium Percent	60	Bio-assay test	90% survival for fish after 96 hours in 100% effluent	
Fluorides	2 mg/L																																											
Sulphides	2 mg/L																																											
Ammonical Nitrogen	50 mg/L																																											
Arsenic	0.2 mg/L																																											
Total Chromium	2 mg/L																																											
Hexavalent Chromium	0.1 mg/L																																											
Copper	3 mg/L																																											
Lead	0.1 mg/L																																											
Mercury	0.01 mg/L																																											
Nickel	3 mg/L																																											
Zinc	5 mg/L																																											
Cadmium	2 mg/L																																											
Iron	3 mg/L																																											
BOD (5 Days at 20°C)	100 mg/L																																											
COD	250 mg/L																																											
Chlorides	600 mg/L																																											
Sulphates	1000 mg/L																																											
Fixed Dissolved Solids	2100 mg/L																																											
Insecticides / Pesticides	Absent																																											
Sodium Percent	60																																											
Bio-assay test	90% survival for fish after 96 hours in 100% effluent																																											
	All efforts shall be made to remove colour and unpleasant odour as far as possible.																																											
3.6.2	Domestic effluent shall be disposed off through septic tank/soak pit.	Complied																																										
4	CONDITIONS UNDER THE AIR (PREVENTION AND CONTROL OF POLLUTION) ACT 1981:																																											
4.1	The following shall be used as fuel in the D. G. Set	Complied																																										
	<table><tr><td>Sr. No.</td><td>Fuel</td><td>Quantity</td></tr><tr><td>2</td><td>HSD for D.G. Set – 1 (50 KVA)</td><td>12 Lit/Day</td></tr></table>		Sr. No.	Fuel	Quantity	2	HSD for D.G. Set – 1 (50 KVA)	12 Lit/Day																																				
Sr. No.	Fuel	Quantity																																										
2	HSD for D.G. Set – 1 (50 KVA)	12 Lit/Day																																										
4.2	The flue gas emission through existing stack shall conform the following standards:	Complied																																										
	<table><tr><td>Sr. No.</td><td>Stack Attached to</td><td>Stack height (meter)</td><td>Parameter</td><td>Permissible Limit</td></tr><tr><td>1</td><td>D.G. Set 1 (50 KVA)</td><td>11</td><td>PM SO₂ NO_x</td><td>150 mg/NM³ 100 ppm 50 ppm</td></tr></table>		Sr. No.	Stack Attached to	Stack height (meter)	Parameter	Permissible Limit	1	D.G. Set 1 (50 KVA)	11	PM SO ₂ NO _x	150 mg/NM ³ 100 ppm 50 ppm																																
Sr. No.	Stack Attached to	Stack height (meter)	Parameter	Permissible Limit																																								
1	D.G. Set 1 (50 KVA)	11	PM SO ₂ NO _x	150 mg/NM ³ 100 ppm 50 ppm																																								
4.3	The process emission through various stacks/vent of reactors, process, vessel shall conform the following standards:	Complied																																										
	<table><tr><td>Sr. No.</td><td>Stack Attached to</td><td>Stack height (meter)</td><td>Air Pollution Control System</td><td>Parameter</td><td>Permissible Limit</td></tr><tr><td>1</td><td>4 MAP</td><td>12</td><td>Two stage water + caustic scrubber</td><td rowspan="2">HCl SO₂</td><td rowspan="2">20 mg/NM³ 09 mg/NM³</td></tr><tr><td>2</td><td>Venlafaxine</td><td>12</td><td>Two stage water + caustic scrubber</td></tr></table>		Sr. No.	Stack Attached to	Stack height (meter)	Air Pollution Control System	Parameter	Permissible Limit	1	4 MAP	12	Two stage water + caustic scrubber	HCl SO ₂	20 mg/NM ³ 09 mg/NM ³	2	Venlafaxine	12	Two stage water + caustic scrubber																										
Sr. No.	Stack Attached to	Stack height (meter)	Air Pollution Control System	Parameter	Permissible Limit																																							
1	4 MAP	12	Two stage water + caustic scrubber	HCl SO ₂	20 mg/NM ³ 09 mg/NM ³																																							
2	Venlafaxine	12	Two stage water + caustic scrubber																																									
4.4	The concentration of the following parameters in the ambient air within the premises of the industry and at a distance of 10 meters from the source (other than the stack/vent with height of more than 9 meters from the ground level) shall not exceed the following levels.																																											
	<table><tr><td>Sr.</td><td>Pollutant</td><td>Time</td><td>Concentration</td></tr></table>	Sr.	Pollutant	Time	Concentration	Complied																																						
Sr.	Pollutant	Time	Concentration																																									

		No.		weighted Average	In Ambient air in µg/M³		
		1	Sulphur Dioxide (SO ₂)	Annual 24 hours	50 80		
		2	Nitrogen Dioxide (NO ₂)	Annual 24 hours	40 80		
		3	Particulate Matter (Size less than 10 µm) or PM ₁₀	Annual 24 hours	60 100		
		4	Particulate Matter (Size less than 2.5 µm) or PM _{2.5}	Annual 24 hours	40 60		
		5	Carbon Monoxide (CO) mg/m³	8 hours 1 hour	02 04		
4.5	The applicant shall provide portholes, ladder, platform etc at chimney(s) for monitoring the air emissions and the same shall be open for inspection to / and for use of Board's staff. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.						Complied
4.6	The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75 dB (a) during day time and 70 dB (A) during night time. Daytime is reckoned in between 6 a.m. and 10 p. m. and nighttime is reckoned between 10 p.m. and 6 a.m.						Complied
5	General Conditions:						
5.1	Any change in personnel, equipment or working conditions as mentioned in the consents form/order should immediately be intimated to this Board.						---
5.2	Management of Solid Waste generated from industrial activities shall be as per Solid Waste Management Rules-2016 (solid waste as defined in Rule-3(46)).						Complied
6	Authorization under Hazardous and Other waste (Management and Transboundary Movement) Rule-2016, Form-2 (See rule 6(2))						--
6.1	Number of authorization: AWH-96346, Date of issue: 04/10/2018						
6.2	Reference of application No. 142878 and date: 24/08/2018						
6.3	M/s. ATUL BIOSCIENCE LIMITED is hereby granted an authorization based on the enclosed signed inspection report for generation, collection, reception, storage, transport, reuse, recycling, recovery, pre-processing, co-processing, utilization, treatment, disposal or any other use of hazardous or other wastes or both on the premises situated at PLOT NO. 33P, 35-37P, ATUL- 396020, DIST: VALSAD.						Complied
Details of Authorization:							
	Sr. No.	Category of Hazardous Waste as per the Schedules I, II and III of these rules		Authorized mode of disposal or recycling or utilization or co- processing, etc.		Quantity	
	1	Process Waste	28.1	Collection, storage, transportation, incineration at incineration system of M/s. Atul Ltd.		20.64 MT/Year	Complied
	3	Discarded Containers/ Bags/Liners	33.1	Collection, storage, transportation, disposal by selling to authorized recycler.		26.4 MT/Year	
6.4	The authorization shall be valid up to 30/06/2023.						Complied
6.5	The authorization is subject to following general and specific conditions:						Complied
A	General Conditions under hazardous and other wastes (Management and Transboundary Movement) Rule-2016						
1	The authorized person shall comply with the provisions of the Environmental (Protection) Act, 1986, and the rules made there under.						Complied
2	The authorization or its renewal shall be produced or inspection at the request of the						Complied



	officer authorized by the State Pollution Control Board'	
3	The person authorized shall not rent, lend' sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization	Complied
4	Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization	Complied
5	The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;	Complied
6	The Person authorized shall comply with the provisions outlined in the Central Pollution control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty'	Complied
7	It is the duty of the authorized person to take prior permission of the State Pollution Control Board to close down the facility.	Complied
8	The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation	Complied
9	The record of consumption and fate of the imported hazardous and other wastes shall be maintained.	Complied
10	The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.	Complied
11	The importer or exporter shall bear the cost of import or export and mitigation of damages if any.	Complied
12	An application for the renewal of an authorization shall be made as laid down under these Rules	Complied
13	Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.	Complied
14	Annual return shall be filed by June 30 th for the period ensuring 31 st March of the year.	Complied
B	Specific Conditions:	
1	The authorized actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorization.	Complied
2	Handing over of the hazardous and other wastes to the authorized actual user shall be only after making the entry into the passbook of the actual user.	Complied
3	In case of renewal of authorization, a self-certified compliance report in respect of effluent, emission standards and the conditions specified in the authorization for hazardous and other wastes shall be submitted to SPCB.	Complied
4	The occupier of the facility shall comply Standard operating procedure / guidelines published by MoEF&CC or CPCB or GPCB from time to time.	Complied
5	Unit shall comply provision of E-Waste (Management) Rules-2016.	Complied

