



M/s. Alembic Pharmaceuticals Limited

API Division-I, Panelav, Halol, Panchmahal, Gujarat.

ENVIRONMENT CLEARANCE COMPLIANCE REPORT

July – December 2020

Submitted to



**Ministry of Environment, Forest &
Climate Change (MoEFCC)**



Gujarat Pollution Control Board

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Half Yearly Environment Clearance Compliance Report



EC No.: SEIAA/GUJ/EC/5(f)/856/2020, Issued dtd. 07 July 2020

Period: July-December 2020

Date: 10/02/2021


A. SPECIFIC CONDITIONS

SN	Conditions	Compliance
	<u>A1 Specific Conditions:</u>	
1.	PP shall comply conditions of any subsequent amendment or expansion or change in product mix, after the 30 th September 2020, considered as per the provision in force at the time as mentioned in the Notification vide S.O. 1223 (E) dtd. 27/03/2020.	Noted and shall comply
2.	PP Shall carry out proposed project/ activities in respect of Active Pharmaceuticals Ingredients (API) as per the amended EIA Notification vide S.O. 1233 (E) dtd. 27/03/2020 and any subsequent amendments.	Noted and comply
3.	PP Shall submit six monthly compliance report of Environmental Clearance without fail and the same shall be critically assessed by the regulatory authority.	<p>Complied</p> <ul style="list-style-type: none"> • EC compliance report of EC No. F No. J-11011/232/2014-IA II(I) was submitted on 19/02/2019 to Bhopal Regional Office. • EC compliance report of EC No. F No. J-11011/232/2014-IA II(I) was submitted on 24/07/2019 to Bhopal Regional Office. • EC compliance report of EC No. F No. J-11011/232/2014-IA II(I) was submitted on 10/02/2020 to Bhopal Regional Office. • Last EC compliance report of EC No. F No. J-11011/232/2014-IA II(I) was submitted on 11/09/2020 to Bhopal Regional Office.
4.	PP shall be use natural gas for utilities preferably but in case use of other fuel, PP shall put properly designed APCM with regular/ periodic stack monitoring system.	<p>Noted and comply</p> <ul style="list-style-type: none"> • We have provided adequate APCM for Boiler. Also, periodic stack monitoring

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		<div></div> <ul style="list-style-type: none">Online monitoring system has been installed. Photograph & average results of online monitoring system as below: <div></div> <ul style="list-style-type: none">Currently, we are under process for updating CEMS system with remote calibration. <p>Boiler-Third party monitoring (NABL)</p> <table><tr><th>Parameters</th><th>Results (Std.)</th><th>Jul-20</th><th>Aug-20</th><th>Sep-20</th></tr><tr><td>SPM</td><td>150 mg/NM₃</td><td>119</td><td>126</td><td>134</td></tr><tr><td>SO₂</td><td>100 ppm</td><td>87</td><td>77</td><td>84</td></tr><tr><td>NO_x</td><td>50 ppm</td><td>35</td><td>37</td><td>40</td></tr></table> <table><tr><th>Parameters</th><th>Results (Std.)</th><th>Oct-20</th><th>Nov-20</th><th>Dec-20</th></tr><tr><td>SPM</td><td>150 mg/NM₃</td><td>126</td><td>129</td><td>124</td></tr><tr><td>SO₂</td><td>100 ppm</td><td>81</td><td>83</td><td>76</td></tr><tr><td>NO_x</td><td>50 ppm</td><td>38</td><td>39</td><td>37</td></tr></table> <p>Note: As per above results, all results are within the permissible limit.</p> <ul style="list-style-type: none">Boiler emission analysis reports are attached as Annexure 6.	Parameters	Results (Std.)	Jul-20	Aug-20	Sep-20	SPM	150 mg/NM ₃	119	126	134	SO ₂	100 ppm	87	77	84	NO _x	50 ppm	35	37	40	Parameters	Results (Std.)	Oct-20	Nov-20	Dec-20	SPM	150 mg/NM ₃	126	129	124	SO ₂	100 ppm	81	83	76	NO _x	50 ppm	38	39	37
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5.	Unit shall provide adequate treatment to effluent before feeding it to MEE in such a way that no pollutant get air borne during evaporation to avoid adverse impact on Human Health & Environment.	<p>Complied</p> <ul style="list-style-type: none">Adequate stripper is available to treat effluent having solvent traces. Mixed solvent in effluent is recovered through solvent stripper and stripper bottom concentrate (high TDS) and RO reject is feed to MEE.																																								

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6.	Close loop solvent recovery system with adequate condenser system shall be provided to recover solvent vapors in such a manner that recovery shall maximum and recovered solvent shall be reused in the process within premises.	<p>Complied</p> <ul style="list-style-type: none"> Dual Condensers are connected with reactors. Each Condensers are having cooling water and chilling water supply. All the equipment and solvent handling systems are having adequate mechanical seals. All the condensers and heat exchangers are provided with adequate HTA. Calculation of the same is given as Annexure 4. Hence, 95% recovery has been achieved. Proper earthing and bonding are provided to tanks, pumps and solvent handling systems. Adequate safety measures like breather valves and/or flame arrestors has been taken to all tanks and condensers. Details of reactors, condensers, safety precautions and utilities are given as Annexure 4.
7.	Leak Detection and Repair (LDAR) program shall be prepared and implemented as per the CPCB guidelines. LDAR logbooks shall be maintained.	<ul style="list-style-type: none"> Shall comply
8.	Complete Zero Liquid Discharge (ZLD) status shall be maintained all the time and there shall be no drainage connection from the premises.	<p>Complied</p> <ul style="list-style-type: none"> Company is having complete Zero liquid discharge (ZLD) facility. To treat industrial effluent, company is having adequate operations and systems like; ETPs, RO plants, Stripper, MEE and ATFD. To treat domestic effluent, company is having STP plant. Detailed ZLD process is attached as Annexure 14.
9.	Unit shall explore the possibilities for environmental friendly methods for disposal of incinerable & land fillable waste before sending to CHWIF/TSDF sites respectively.	<p>Complied</p> <ul style="list-style-type: none"> Company is always focusing for sustainable development. We are sending our boiler fly-ash for brick manufacturing. We are having effective stripper system to recover specific solvent from mother liquor generate from manufacturing process. Hence, it will reduce the effluent and hazardous waste both. Also, we are under process to install volute for sludge dewatering effectively. It will reduced the moisture contain and volume of sludge.
10.	All measures shall be taken to prevent soil and ground water contamination.	<p>Complied</p> <ul style="list-style-type: none"> The plant area is paved on the ground and provided with channels connecting to the collection tanks for collection of all the spillages and wash waters,

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		<p>which is further pumped to the ETP.</p> <ul style="list-style-type: none"> The hazardous waste generated from the project activities are being handled on the impervious surfaces having leachate collection system connected to Effluent Treatment Plant for its safe disposal.
11.	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826 (E) dated 16 th November, 2009 shall be complied with.	<p>Noted and complied</p> <ul style="list-style-type: none"> We have identifies specific 4 nos. locations (in four directions) of ambient air quality monitoring (instead of 2 directions) locations which servers the adequate monitoring purpose. Adequate locations to carry out ambient air quality monitoring were decided on the basis of "Guidelines for the Measurement of Ambient Air Pollutants" provided by CPCB. 1 nos. Ambient air quality monitoring station has been installed for continuous ambient quality monitoring. Ambient air monitoring analysis results are attached as Annexure 1.
12.	National Emission standards for Organic Chemical Manufacturing industry issues by the Ministry vide G.S.R. 608 (E) dtd 21/07/2010 and amended from time to time shall be followed.	Agreed and shall comply
13.	Unit shall have to adhere to the prevailing area specific policies of GPCB with respect to the discharge of pollutants, and shall carry out the project development in accordance & consistence with the same.	Agreed and shall comply
14.	The project proponent must strictly adhere to the stipulations made by the Gujarat Pollution Control Board, State Government and/or any other statutory authority.	Noted and shall comply
15.	Unit shall install CEMS in line to CPCB directions to all SPCB vide letter no. B-29016/04/06PCI-1/5401 dated 05.02.2014 for effluent discharge and air emission as per pollutants discharge/emission from respective project and an arrangements shall also be done for reflecting the online monitoring results on the company's server, which can be assessable by the GPCB/ CPCB on real time basis.	<p>Comply</p> <ul style="list-style-type: none"> CEMS installed for continuous monitoring of final treated effluent has been installed. Also, currently we are under up gradation of CEMS along with remote calibration. Photograph of CEMS and summary of online data is given below.

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		<div></div> <p>RO Permeate-Third party monitoring (NABL)</p> <table><tr><th>Parameters</th><th>Results (Std.)</th><th>Jul-20</th><th>Aug-20</th><th>Sep-20</th></tr><tr><td>BOD</td><td>30 mg/L</td><td>BDL</td><td>BDL</td><td>BDL</td></tr><tr><td>COD</td><td>100 mg/L</td><td>BDL</td><td>BDL</td><td>BDL</td></tr><tr><td>pH</td><td>6.5-8.5</td><td>7.01</td><td>8.4</td><td>8.4</td></tr><tr><td>TSS</td><td>100 mg/L</td><td>8</td><td>BDL</td><td>BDL</td></tr></table> <table><tr><th>Parameters</th><th>Results (Std.)</th><th>Oct-20</th><th>Nov-20</th><th>Dec-20</th></tr><tr><td>BOD</td><td>30 mg/L</td><td>BDL</td><td>4</td><td>BDL</td></tr><tr><td>COD</td><td>100 mg/L</td><td>BDL</td><td>15</td><td>BDL</td></tr><tr><td>pH</td><td>6.5-8.5</td><td>7.46</td><td>7.18</td><td>6.58</td></tr><tr><td>TSS</td><td>100 mg/L</td><td>BDL</td><td>BDL</td><td>BDL</td></tr></table> <p>Note: As per above results, all results are within the permissible limit.</p> <ul style="list-style-type: none">Analysis reports of RO permeate by NABL approved third party are attached as Annexure 2.	Parameters	Results (Std.)	Jul-20	Aug-20	Sep-20	BOD	30 mg/L	BDL	BDL	BDL	COD	100 mg/L	BDL	BDL	BDL	pH	6.5-8.5	7.01	8.4	8.4	TSS	100 mg/L	8	BDL	BDL	Parameters	Results (Std.)	Oct-20	Nov-20	Dec-20	BOD	30 mg/L	BDL	4	BDL	COD	100 mg/L	BDL	15	BDL	pH	6.5-8.5	7.46	7.18	6.58	TSS	100 mg/L	BDL	BDL	BDL
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16.	Storm water shall not be allowed to mix with scrubber water and floor washings.	Noted and comply																																																		
17.	Storm water shall be channelized through separate drains passing through a HDPE lined pit having holding capacity of 10 minutes (hourly average) of rainfall.	Noted and comply																																																		
18.	SAFETY:																																																			
a.	PP shall obtain PESO permission for the storage and handling of hazardous chemicals (if applicable).	Comply <ul style="list-style-type: none">PESO certification is attached as Annexure 3.																																																		
b.	Flame proof electrical fittings shall be provided in the plant premises, wherever	Comply																																																		

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	applicable.	<ul style="list-style-type: none">Photographs of flame proof fittings are attached as Annexure 5.																																																																																																																																																																																				
c.	Unit shall provide double earthing to solvent storage tanks/ area.	<p>Comply</p> <ul style="list-style-type: none">All the tanks are having double earthing, connected with breather valves and flame arrestor. Details of the solvent storage tanks are provided in below table: <table><tr><th>Tank No./ Equipment No.</th><th>MOC</th><th>Capacity (KL)</th><th>Use For</th><th>BV/ FA</th></tr><tr><td>PT-142</td><td>MS</td><td>20</td><td>Dilute</td><td>BV</td></tr><tr><td>ST-005</td><td>MS</td><td>22</td><td>Dilute</td><td>FA/BV</td></tr><tr><td>PT-144</td><td>SS</td><td>20</td><td>Dilute</td><td>FA</td></tr><tr><td>PT-145</td><td>SS</td><td>20</td><td>Dilute</td><td>FA</td></tr><tr><td>PT-191</td><td>SS</td><td>5</td><td>Recovered</td><td>FA</td></tr><tr><td>PT-146</td><td>SS</td><td>10</td><td>Recovered</td><td>FA</td></tr><tr><td>PT-147</td><td>SS</td><td>10</td><td>Recovered</td><td>FA</td></tr><tr><td>PT-167</td><td>SS</td><td>10</td><td>Recovered</td><td>FA</td></tr><tr><td>PT-131</td><td>SS</td><td>10</td><td>Recovered</td><td>FA</td></tr><tr><td>PT-130</td><td>SS</td><td>10</td><td>Recovered</td><td>FA</td></tr><tr><td>PT-091</td><td>SS</td><td>10</td><td>Recovered</td><td>FA/BV</td></tr><tr><td>PT-208</td><td>SS</td><td>5</td><td>Recovered</td><td>BV</td></tr><tr><td>PT-320</td><td>MS</td><td>15</td><td>Recovered</td><td>FA</td></tr><tr><td>PT-217</td><td>MS</td><td>10</td><td>Dilute</td><td>BV</td></tr><tr><td>PT-132</td><td>SS</td><td>5</td><td>Recovered</td><td>FA</td></tr><tr><td>PT-133</td><td>SS</td><td>5</td><td>Recovered</td><td>FA</td></tr><tr><td>PT-139</td><td>SS</td><td>5</td><td>Recovered</td><td>FA</td></tr><tr><td>PT-090</td><td>MS</td><td>10</td><td>Recovered</td><td>FA/BV</td></tr><tr><td>PT-089</td><td>SS</td><td>5</td><td>Recovered</td><td>FA/BV</td></tr><tr><td>DT-022</td><td>SS</td><td>21</td><td>Dilute</td><td>FA</td></tr><tr><td>DT-021</td><td>SS</td><td>21</td><td>Recovered</td><td>FA</td></tr><tr><td>PT-176</td><td>SS</td><td>20</td><td>Recovered</td><td>FA/BV</td></tr><tr><td>PT-219</td><td>MS</td><td>5</td><td>Dilute</td><td>FA</td></tr><tr><td>ST-199</td><td>SS</td><td>35</td><td>Recovered</td><td>FA/BV</td></tr><tr><td>ST-193</td><td>SS</td><td>35</td><td>Recovered</td><td>FA/BV</td></tr><tr><td>ST-195</td><td>SS</td><td>35</td><td>Recovered</td><td>FA/BV</td></tr><tr><td>PT-163</td><td>SS</td><td>20</td><td>Fresh</td><td>FA</td></tr><tr><td>PT-164</td><td>SS</td><td>20</td><td>Fresh</td><td>FA</td></tr><tr><td>PT-052</td><td>SS</td><td>2</td><td>Dilute</td><td>FA/BV</td></tr><tr><td>DT-015</td><td>MS</td><td>5</td><td>Fresh</td><td>BV</td></tr><tr><td>PT-177</td><td>SS</td><td>10</td><td>Dilute</td><td>FA/BV</td></tr><tr><td>ST-006</td><td>MS</td><td>22</td><td>Fresh</td><td>FA/BV</td></tr><tr><td>ST-008</td><td>MS</td><td>22</td><td>Fresh</td><td>FA/BV</td></tr><tr><td>ST-009</td><td>MS</td><td>22</td><td>Fresh</td><td>FA/BV</td></tr><tr><td>PT-143</td><td>MS</td><td>20</td><td>Dilute</td><td>BV</td></tr></table>	Tank No./ Equipment No.	MOC	Capacity (KL)	Use For	BV/ FA	PT-142	MS	20	Dilute	BV	ST-005	MS	22	Dilute	FA/BV	PT-144	SS	20	Dilute	FA	PT-145	SS	20	Dilute	FA	PT-191	SS	5	Recovered	FA	PT-146	SS	10	Recovered	FA	PT-147	SS	10	Recovered	FA	PT-167	SS	10	Recovered	FA	PT-131	SS	10	Recovered	FA	PT-130	SS	10	Recovered	FA	PT-091	SS	10	Recovered	FA/BV	PT-208	SS	5	Recovered	BV	PT-320	MS	15	Recovered	FA	PT-217	MS	10	Dilute	BV	PT-132	SS	5	Recovered	FA	PT-133	SS	5	Recovered	FA	PT-139	SS	5	Recovered	FA	PT-090	MS	10	Recovered	FA/BV	PT-089	SS	5	Recovered	FA/BV	DT-022	SS	21	Dilute	FA	DT-021	SS	21	Recovered	FA	PT-176	SS	20	Recovered	FA/BV	PT-219	MS	5	Dilute	FA	ST-199	SS	35	Recovered	FA/BV	ST-193	SS	35	Recovered	FA/BV	ST-195	SS	35	Recovered	FA/BV	PT-163	SS	20	Fresh	FA	PT-164	SS	20	Fresh	FA	PT-052	SS	2	Dilute	FA/BV	DT-015	MS	5	Fresh	BV	PT-177	SS	10	Dilute	FA/BV	ST-006	MS	22	Fresh	FA/BV	ST-008	MS	22	Fresh	FA/BV	ST-009	MS	22	Fresh	FA/BV	PT-143	MS	20	Dilute	BV
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d.	<div>1. Unit shall provide effective fire hydrants, water monitors & foam application system at solvent storage tank farm area.</div> <div>2. Unit shall provide adequate safety system such as water sprinklers, water curtains, foam pouring system etc. to restrict cascade fire emergency in solvent tank farm.</div>	<div>Comply</div> <div><div>• Company has adequate water sprinklers, water curtains, foam pouring system etc. to restrict cascade fire emergency in solvent tank farm.</div><div>• Details of the fire hydrants, water monitors & foam application system are provided as below:</div><table><tr><th>Details of fire-fighting systems</th><th>Quantity</th></tr><tr><td>DCP/ ABC type fire extinguishers</td><td>288 nos.</td></tr><tr><td>CO₂ Type Fire Extinguishers</td><td>384 nos.</td></tr><tr><td>Foam Type Fire Extinguishers</td><td>43 nos.</td></tr><tr><td>Ammonia Cylinder leakage Kit</td><td>2 nos.</td></tr><tr><td>Fire Hydrant Points</td><td>104 nos.</td></tr><tr><td>Foam Monitor</td><td>15 nos.</td></tr><tr><td>Sand Buckets</td><td>44 nos.</td></tr><tr><td>Spill Control Kit</td><td>26 nos.</td></tr></table></div>	Details of fire-fighting systems	Quantity	DCP/ ABC type fire extinguishers	288 nos.	CO ₂ Type Fire Extinguishers	384 nos.	Foam Type Fire Extinguishers	43 nos.	Ammonia Cylinder leakage Kit	2 nos.	Fire Hydrant Points	104 nos.	Foam Monitor	15 nos.	Sand Buckets	44 nos.	Spill Control Kit	26 nos.																																																																																																																										
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e.	Unit shall never store drum/ barrels/ carboys of incompatible material/chemical together.	Comply <ul style="list-style-type: none">Adequate segregation done as per the chemical compatibility chart. Compatibility chart is attached as Annexure 5.																																								
f.	Unit shall store Bromine bottle in cool dry separate area, out of direct sunlight.	Not Applicable																																								
g.	Unit shall provide water sprinkler and bund/ dyke wall to ammonia storage tank.	Comply <ul style="list-style-type: none">Adequate water sprinkler system and dyke wall provided to ammonia storage tank Annexure 5.																																								
h.	Unit shall provide safety valve and rupture disc, as well as auto quench/ suppress system for nitrogen vessel safety.	Comply <ul style="list-style-type: none">Adequate safety valve and rupture disc provided. Photograph is attached as Annexure 5.																																								
	<u>A2 WATER:</u>																																									
19.	Total water requirement of the project shall not exceed 2419 KLD. Unit shall reuse 1119 KLD of treated effluent (Ind.: 1009 KLD, Dom: 110 KLD) within premises. Hence, fresh water requirement shall not exceed 1300 KLD and it shall be met through Narmada Supply and Ground water.	<p>Noted and shall comply</p> <ul style="list-style-type: none">Total fresh water consumption is not exceeded from 160 m³/day. Water consumption data is as below: <table><tr><th></th><th colspan="2">Fresh Water</th><th colspan="2">Recycled Water (Boiler + Cooling tower)</th></tr><tr><th>Month</th><th>Usage (KL/ Month)</th><th>Usage (KLD)</th><th>Usage (KL/Month)</th><th>Usage (KLD)</th></tr><tr><td>Jul-20</td><td>4776</td><td>154</td><td>3050</td><td>98</td></tr><tr><td>Aug-20</td><td>4809</td><td>155</td><td>2910</td><td>94</td></tr><tr><td>Sep-20</td><td>4623</td><td>154</td><td>3174</td><td>106</td></tr><tr><td>Oct-20</td><td>4882</td><td>157</td><td>2700</td><td>87</td></tr><tr><td>Nov-20</td><td>4659</td><td>155</td><td>842</td><td>28</td></tr><tr><td>Dec-20</td><td>4731</td><td>153</td><td>1233</td><td>40</td></tr></table> <p>Note: As per above results, water consumption are within the permissible limit.</p> <ul style="list-style-type: none">Daily fresh water consumption data is attached as Annexure 7.		Fresh Water		Recycled Water (Boiler + Cooling tower)		Month	Usage (KL/ Month)	Usage (KLD)	Usage (KL/Month)	Usage (KLD)	Jul-20	4776	154	3050	98	Aug-20	4809	155	2910	94	Sep-20	4623	154	3174	106	Oct-20	4882	157	2700	87	Nov-20	4659	155	842	28	Dec-20	4731	153	1233	40
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20.	Prior permission from the concerned authority shall be obtained for withdrawal of water.	Agree and shall comply <ul style="list-style-type: none">No Objection Certificate is approved for CGWA, no CGWA/NOC/IND/ORIG/2020/8262. The NOC start date is 30/06/2020 and is valid upto 29/06/2022.CGWA NOC copy are attached in Annexure 8.																																								

SN	Conditions	Compliance
21.	The industrial effluent generation from the project shall not exceed 1085 KLD.	Agreed and shall comply
22.	<p>The industrial effluent shall be segregated into two streams (1) Low Concentration Effluent stream (2) High Concentration Effluent stream and it shall be managed as below:</p> <p>Low Concentration Effluent stream (789 KLD):</p> <ol style="list-style-type: none"> Low concentration effluent 789 KLD (WTP-RO Reject 202 KLD, washing 419 KLD, Boiler 20 KLD, cooling 103 KLD, scrubber 45 KLD) along with MEE condensate 510 KLD shall be treated in adequate ETP-1 consist of primary, secondary, tertiary treatment units followed by RO system. RO permeate 1009 KLD shall be reused in cooling, boiler, washing and scrubber. RO reject 269 KLD shall be fed to MEE. <p>High Concentration Effluent stream (296 KLD):</p> <ol style="list-style-type: none"> High concentration effluent generated from manufacturing process 296 KLD shall be treated in ETP-2, solvent Stripper. Stripper bottom 266 KLD along with RO reject 269 KLD shall be fed to MEE. MEE concentrate shall be fed to ATFD for drying. MEE and ATFD condensate 510 KLD shall be sent to ETP-1 for further treatment. 	Agreed and shall comply
23.	Unit shall provide adequate capacity of ETP, RO, MEE, ATFD and it shall be operated regularly and efficient Zero Liquid Discharge (ZLD) conditions all the time.	<p>Complied</p> <ul style="list-style-type: none"> Effluent generated from production is segregated in to High COD and Low COD stream. Low COD effluent is treated in conventional ETP (Primary, secondary, followed by RO system). High COD effluent is treated through stripper followed by MEE and ATFD. Effluent is 100% treated in-house. Final treated effluent is reused in utility like; cooling tower, boiler etc.

SN	Conditions	Compliance
		<ul style="list-style-type: none"> Detailed ZLD process is attached as Annexure 14.
24.	Domestic wastewater generation shall not exceed 110 KLD and it shall be treated in STP (P+S+T). Treated domestic wastewater shall be utilized on land for gardening/ plantation purpose within premises.	<p>Comply</p> <ul style="list-style-type: none"> Domestic effluent is not exceed than 110 KLD. We are having STP with MBR technology. Treated domestic effluent is used for gardening within premises.
25.	The unit shall provide metering facility at the inlet and outlet of ETP-1, ETP-2, RO, STP, reuse line and maintain record for the same. Record of fresh water consumption on day-to-day basis shall be maintained.	Comply
26.	Proper logbooks of ETP-1, ETP-2, RO, STP, chemical consumption in effluent treatment, quantity & quality of effluent send to MEE and reuse, power consumption etc. shall be maintained and shall be furnished to the GPCB time to time.	<p>Comply</p> <ul style="list-style-type: none"> All log sheet are available and maintained the same on daily basis.

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	<u>A3 AIR:</u>																																																																																																			
27.	Unit shall not exceed fuel consumption in steam boiler, TFH, Incinerator and DG Set as mentioned below: <table><tr><th>#</th><th>Source of emission With Capacity</th><th>Stack Height (m)</th><th>Type of Fuel</th><th>Qty. of Fuel MT/Day</th><th>Air Pollutants</th><th>APCM</th></tr><tr><td>1</td><td>Boiler-01 (4tph)</td><td>30</td><td>LDO (Existing was FO)</td><td>6.00 (4.32 Existing + 1.68 Addition)</td><td>PM, SO₂ & NO_x</td><td>Bag Filter</td></tr><tr><td>2</td><td>Boiler-02 (5tph)</td><td>35</td><td>Agro-waste / Briquette</td><td>24.36 (No change)</td><td>PM, SO₂ & NO_x</td><td>Bag Filter</td></tr><tr><td>3</td><td>Boiler-03 (10tph)</td><td>35</td><td>Coal</td><td>36.00 (No Change)</td><td>PM, SO₂ & NO_x</td><td>ESP + Wet Scrubber</td></tr><tr><td>4</td><td>Thermic Fluid Heater, TFH-1 (2 Lac. Kcal./h)</td><td>12</td><td>LDO</td><td>1.50 (0.4 Existing + 1.1 Addition)</td><td>PM, SO₂ & NO_x</td><td>NA</td></tr><tr><td>5</td><td>D G Set-001 (750KVA)</td><td>12</td><td>Diesel</td><td>3.50 (0.25 Existing + 3.25 Addition)</td><td>PM, SO₂ & NO_x</td><td>NA</td></tr><tr><td>6</td><td>D G Set-002 (1500KVA)</td><td>15</td><td>Diesel</td><td>7.00 (3.5 Existing + 3.5 Addition)</td><td>PM, SO₂ & NO_x</td><td>NA</td></tr><tr><td>7</td><td>D G Set-003 (1500KVA)</td><td>15</td><td>Diesel</td><td>7.00 (3.5 Existing + 3.5 Addition)</td><td>PM, SO₂ & NO_x</td><td>NA</td></tr><tr><td>8</td><td>D G Set-004 (1500KVA)</td><td>15</td><td>Diesel</td><td>7.00 (3.5 Existing + 3.5 Addition)</td><td>PM, SO₂ & NO_x</td><td>NA</td></tr><tr><td>9</td><td>Fire Diesel Engine (273 m³/h)</td><td>15</td><td>Diesel</td><td>2.50 (0.3 Existing + 2.2 Addition)</td><td>PM, SO₂ & NO_x</td><td>NA</td></tr></table>	#	Source of emission With Capacity	Stack Height (m)	Type of Fuel	Qty. of Fuel MT/Day	Air Pollutants	APCM	1	Boiler-01 (4tph)	30	LDO (Existing was FO)	6.00 (4.32 Existing + 1.68 Addition)	PM, SO ₂ & NO _x	Bag Filter	2	Boiler-02 (5tph)	35	Agro-waste / Briquette	24.36 (No change)	PM, SO ₂ & NO _x	Bag Filter	3	Boiler-03 (10tph)	35	Coal	36.00 (No Change)	PM, SO ₂ & NO _x	ESP + Wet Scrubber	4	Thermic Fluid Heater, TFH-1 (2 Lac. Kcal./h)	12	LDO	1.50 (0.4 Existing + 1.1 Addition)	PM, SO ₂ & NO _x	NA	5	D G Set-001 (750KVA)	12	Diesel	3.50 (0.25 Existing + 3.25 Addition)	PM, SO ₂ & NO _x	NA	6	D G Set-002 (1500KVA)	15	Diesel	7.00 (3.5 Existing + 3.5 Addition)	PM, SO ₂ & NO _x	NA	7	D G Set-003 (1500KVA)	15	Diesel	7.00 (3.5 Existing + 3.5 Addition)	PM, SO ₂ & NO _x	NA	8	D G Set-004 (1500KVA)	15	Diesel	7.00 (3.5 Existing + 3.5 Addition)	PM, SO ₂ & NO _x	NA	9	Fire Diesel Engine (273 m³/h)	15	Diesel	2.50 (0.3 Existing + 2.2 Addition)	PM, SO ₂ & NO _x	NA	Comply <ul style="list-style-type: none">Fuel consumption does not exceed from prescribed limit by unit. Details of fuel consumption is mentioned as below:<table><tr><th>Month</th><th>Coal (MT/M)</th><th>FO/LDO (KL/M)</th><th>HSD (KL/M)</th></tr><tr><td>Jul-20</td><td>1085</td><td>0.321</td><td>0.753</td></tr><tr><td>Aug-20</td><td>1082</td><td>9.127</td><td>2.678</td></tr><tr><td>Sep-20</td><td>1040</td><td>2.475</td><td>3.363</td></tr><tr><td>Oct-20</td><td>1009</td><td>4.347</td><td>1.520</td></tr><tr><td>Nov-20</td><td>1018</td><td>0.779</td><td>4.448</td></tr><tr><td>Dec-20</td><td>1035</td><td>0</td><td>0.616</td></tr></table>	Month	Coal (MT/M)	FO/LDO (KL/M)	HSD (KL/M)	Jul-20	1085	0.321	0.753	Aug-20	1082	9.127	2.678	Sep-20	1040	2.475	3.363	Oct-20	1009	4.347	1.520	Nov-20	1018	0.779	4.448	Dec-20	1035	0	0.616
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	10	Incinerator (50 kg/h)	30	LDO (Existing was FO)	3.00 (0.36 Existing + 2.64 Addition)	PM, SO ₂ , NO _x , HF, HCl, TOC, CO, Dioxin & Furans	Scrubber + Quencher	
	11	Boiler-04 (15tph)	35	Briquette + Coal	90 (Briquette) + 19.5 (Coal)	PM, SO ₂ & NO _x	ESP + Wet Scrubber	
	12	Boiler-05 (15tph)	35	Briquette + Coal	90 (Briquette) + 19.5 (Coal)	PM, SO ₂ & NO _x	ESP + Wet Scrubber	
	13	Thermic Fluid Heater, TFH-2 (2 Lac. Kcal./h)	12	LDO	1.5	PM, SO ₂ & NO _x	NA	
	14	D G Set-005 (2500KVA)	30	Diesel	11.5	PM, SO ₂ & NO _x	NA	
	15	D G Set-006 (2500KVA)	30	Diesel	11.5	PM, SO ₂ & NO _x	NA	
	16	D G Set-007 (2500KVA)	30	Diesel	11.5	PM, SO ₂ & NO _x	NA	
	17	D G Set-008 (2500KVA)	30	Diesel	11.5	PM, SO ₂ & NO _x	NA	
	18	D G Set-009 (2500KVA)	30	Diesel	11.5	PM, SO ₂ & NO _x	NA	
	19	D G Set-010 (2500KVA)	30	Diesel	11.5	PM, SO ₂ & NO _x	NA	
28.	Unit shall provide adequate APCM with flue gas generation source as mentioned above.							Comply <ul style="list-style-type: none"> Unit has provided adequate APCM with flue gas stack. Analysis reports for flue gas and process gas stacks are attached as Annexure 6.
29.	Unit shall provide adequate APCM with process gas generation as mentioned							Comply

SN	Conditions	Compliance																																																																																					
	<div>below:</div> <table><tr><th>#</th><th>Specific Source of emission (Name of the Product & Process)</th><th>Type of emission</th><th>Stack Ht. (m)</th><th>APCM</th></tr><tr><td>1</td><td>Pilot Plant Existing</td><td>HCl & Cl₂</td><td>12</td><td>Water & Alkali Scrubber</td></tr><tr><td>2</td><td>Plant-1 (Reaction Vessels) Existing</td><td>HCl & Cl₂</td><td>12</td><td>Water & Alkali Scrubber</td></tr><tr><td>3</td><td>Plant-2 (Reaction Vessels) Existing</td><td>HCl & Cl₂</td><td>12</td><td>Water & Alkali Scrubber</td></tr><tr><td>4</td><td>Plant-3 (Reaction Vessels) Existing</td><td>HCl & Cl₂</td><td>12</td><td>Water & Alkali Scrubber</td></tr><tr><td>5</td><td>Plant-5 (Reaction Vessels) Existing</td><td>HCl & Cl₂</td><td>12</td><td>Water & Alkali Scrubber</td></tr><tr><td>6</td><td>Plant-7 (Reaction Vessels) Existing</td><td>HCl & Cl₂</td><td>12</td><td>Water & Alkali Scrubber</td></tr><tr><td>7</td><td>Plant-8 (Reaction Vessels) Existing</td><td>HCl & Cl₂</td><td>12</td><td>Water & Alkali Scrubber</td></tr><tr><td>8</td><td>Ware house (Reaction Vessels) Existing</td><td>HCl & Cl₂</td><td>12</td><td>Water & Alkali Scrubber</td></tr><tr><td>9</td><td>Plant-1 (Reaction Vessels) Existing</td><td>NH₃</td><td>12</td><td>Chilled Water & Acidic Soln.</td></tr><tr><td>10</td><td>Plant-2 (Reaction Vessels) Existing</td><td>NH₃</td><td>12</td><td>Chilled Water & Acidic Soln.</td></tr><tr><td>11</td><td>Plant-7 (Reaction Vessels) Existing</td><td>NH₃</td><td>12</td><td>Chilled Water & Acidic Soln.</td></tr><tr><td>12</td><td>Plant-8 (Reaction Vessels) Existing</td><td>NH₃</td><td>12</td><td>Chilled Water & Acidic Soln.</td></tr><tr><td>13</td><td>Plant-1D (Reaction Vessels) Proposed</td><td>HCl, Cl₂ & SO₂</td><td>12</td><td>Water & Alkali Scrubber</td></tr><tr><td>14</td><td>Plant-2B (Reaction Vessels) Proposed</td><td>HCl, Cl₂ & SO₂</td><td>12</td><td>Water & Alkali Scrubber</td></tr><tr><td>15</td><td>Plant-2C (Reaction Vessels) Proposed</td><td>HCl, Cl₂ & SO₂</td><td>12</td><td>Water & Alkali Scrubber</td></tr><tr><td>16</td><td>Plant-9 (Reaction Vessels) Proposed</td><td>HCl, Cl₂ & SO₂</td><td>12</td><td>Water & Alkali Scrubber</td></tr></table>	#	Specific Source of emission (Name of the Product & Process)	Type of emission	Stack Ht. (m)	APCM	1	Pilot Plant Existing	HCl & Cl ₂	12	Water & Alkali Scrubber	2	Plant-1 (Reaction Vessels) Existing	HCl & Cl ₂	12	Water & Alkali Scrubber	3	Plant-2 (Reaction Vessels) Existing	HCl & Cl ₂	12	Water & Alkali Scrubber	4	Plant-3 (Reaction Vessels) Existing	HCl & Cl ₂	12	Water & Alkali Scrubber	5	Plant-5 (Reaction Vessels) Existing	HCl & Cl ₂	12	Water & Alkali Scrubber	6	Plant-7 (Reaction Vessels) Existing	HCl & Cl ₂	12	Water & Alkali Scrubber	7	Plant-8 (Reaction Vessels) Existing	HCl & Cl ₂	12	Water & Alkali Scrubber	8	Ware house (Reaction Vessels) Existing	HCl & Cl ₂	12	Water & Alkali Scrubber	9	Plant-1 (Reaction Vessels) Existing	NH ₃	12	Chilled Water & Acidic Soln.	10	Plant-2 (Reaction Vessels) Existing	NH ₃	12	Chilled Water & Acidic Soln.	11	Plant-7 (Reaction Vessels) Existing	NH ₃	12	Chilled Water & Acidic Soln.	12	Plant-8 (Reaction Vessels) Existing	NH ₃	12	Chilled Water & Acidic Soln.	13	Plant-1D (Reaction Vessels) Proposed	HCl, Cl ₂ & SO ₂	12	Water & Alkali Scrubber	14	Plant-2B (Reaction Vessels) Proposed	HCl, Cl ₂ & SO ₂	12	Water & Alkali Scrubber	15	Plant-2C (Reaction Vessels) Proposed	HCl, Cl ₂ & SO ₂	12	Water & Alkali Scrubber	16	Plant-9 (Reaction Vessels) Proposed	HCl, Cl ₂ & SO ₂	12	Water & Alkali Scrubber	<ul style="list-style-type: none">Unit has provided adequate APCM with process gas stack with adequate height.Analysis reports for flue gas and process gas stacks are attached as Annexure 6.
#	Specific Source of emission (Name of the Product & Process)	Type of emission	Stack Ht. (m)	APCM																																																																																			
1	Pilot Plant Existing	HCl & Cl ₂	12	Water & Alkali Scrubber																																																																																			
2	Plant-1 (Reaction Vessels) Existing	HCl & Cl ₂	12	Water & Alkali Scrubber																																																																																			
3	Plant-2 (Reaction Vessels) Existing	HCl & Cl ₂	12	Water & Alkali Scrubber																																																																																			
4	Plant-3 (Reaction Vessels) Existing	HCl & Cl ₂	12	Water & Alkali Scrubber																																																																																			
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16	Plant-9 (Reaction Vessels) Proposed	HCl, Cl ₂ & SO ₂	12	Water & Alkali Scrubber																																																																																			

SN		Conditions					Compliance
	17	Plant-10 (Reaction Vessels) Proposed	HCl, Cl ₂ & SO ₂	12	Water & Alkali Scrubber		
	18	Plant-11 (Reaction Vessels) Proposed	HCl, Cl ₂ & SO ₂	12	Water & Alkali Scrubber		
	19	Plant-12 (Reaction Vessels) Proposed	HCl, Cl ₂ & SO ₂	12	Water & Alkali Scrubber		
	20	Plant-3 (Reaction Vessels) Proposed	HBr, Br ₂ , HCl, Cl ₂ & SO ₂	12	Water & Alkali Scrubber		
	21	Acid Storage Tanks Proposed	HCl & SO ₂	12	Water & Alkali Scrubber		
	22	Plant-1D (Reaction Vessels) Proposed	NH ₃	12	Chilled Water & Acidic Soln.		
	23	Plant-2B (Reaction Vessels) Proposed	NH ₃	12	Chilled Water & Acidic Soln.		
	24	Plant-2C (Reaction Vessels) Proposed	NH ₃	12	Chilled Water & Acidic Soln.		
	25	Plant-9 (Reaction Vessels) Proposed	NH ₃	12	Chilled Water & Acidic Soln.		
	26	Plant-10 (Reaction Vessels) Proposed	NH ₃	12	Chilled Water & Acidic Soln.		
	27	Plant-11 (Reaction Vessels) Proposed	NH ₃	12	Chilled Water & Acidic Soln.		
	28	Plant-12 (Reaction Vessels) Proposed	NH ₃	12	Chilled Water & Acidic Soln.		
	29	Plant-5 (Reaction Vessels) Proposed	NH ₃	12	Chilled Water & Acidic Soln.		
30	Ware house (Reaction Vessels) Proposed	NH ₃	12	Chilled Water & Acidic Soln.			


SN	Conditions	Compliance
30.	<p>The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standard prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety and health). Following indicated guidelines shall also be followed to reduce the fugitive emission.</p> <ul style="list-style-type: none"> ➤ Internal roads shall be either concreted or asphalted or paved properly to reduce the fugitive emission during vehicular movement. ➤ Air borne dust shall be controlled with water sprinklers at suitable locations in the plant. ➤ A green belt shall be developed all around the plant boundary and also along the roads to mitigate fugitive & transport dust emission. 	<p>Comply</p> <ul style="list-style-type: none"> • Fugitive emissions monitoring is regularly carried out by third party and records of the same are maintained in Form-37. • Summary of the Form-37 is given below table: • Detailed reports of Form-37 are attached as Annexure 9. • Internal roads are made up of concrete to prevent fugitive emission. • We are having 51007.44 m² green belt area. Adequate green belt is under development. This year, we have planted 2000+ saplings in our premises and surroundings. Details of green belt is attached as Annexure 10.

#	Location	Identified Contaminant	UoM	Sample	Min.	Max.	Std. Conc.'n
Plant-01 A							
1	PP Area CF-028	PM	mg/m ³	1	-	-	5
	Nr. RE 108	Acetone	ppm	5	10	11.9	750
	RE 001	MDC	ppm	5	12.8	16	25
Plant-01 B							
1	GF CF002	PM	mg/m ³	1	-	-	5
	GF CF030	Ethyl Alcohol	ppm	5	11	14.5	1000
	GF CF035	Ethyl Alcohol	ppm	5	55.2	78.7	1000
		Acetone	ppm	5	26.2	31.4	750
	GF CF029	Ethyl Alcohol	ppm	5	10.2	12.4	1000
2	FF RE-106	Methyl Tetra Butyl Ether	ppm	5	10.7	14.3	-
	FF RE-028	MDC	ppm	5	7.7	9.3	25
	FF RE-079	Ethyl Alcohol	ppm	5	9.2	12.7	1000
	FF RE-077	Ethyl Alcohol	ppm	5	8	11.3	1000
Plant-3							
1	FF, RE-043	Ethyl Acetate	ppm	5	21.2	24.7	400
2	FF, RE-102	Acetone	ppm	5	22.3	24.7	750
3	FF, RE-104	VOC MMC	ppm	5	24.3	25	-
4	FF, RE-007	MDC	ppm	5	5.8	6.5	25
Plant-4							

SN	Conditions			Compliance				
	1	PP Area nr. Shiftor-008	PM	mg/m3	1	0.588	-	5
	2	Nr. VD-04	PM	mg/m3	1	0.654	-	5
	Pilot Plant							
	1	FF, RE-039	Toluene	ppm	5	25.9	30.7	100
	2	GF, CF-04	Toluene	ppm	5	25.8	46.9	100
	ETP Plant							
	1	Scrap yard room	VOC	ppm	5	5.1	6.3	-
	2	ETP sludge storage room	VOC	ppm	5	9.5	10.1	-
	Plant-8A							
	1	SF, RE-170	MDC	ppm	5	9.1	10.7	25
		SF, RE-164	MDC	ppm	5	7.6	8.4	25
		SF, RE-163	Methanol	ppm	5	16.5	20.8	200
	Plant-8							
	1	GF, MM-026	PM	mg/m3	1	0.692	-	5
	2	FF, AF-103	MDC	ppm	5	10.2	12.9	25
		FF, AF-014	MDC	ppm	5	11.3	12.2	25
		FF, RE-005	Ammonia	ppm	5	11.3	13.9	25
		FF, RE-150	Ammonia	ppm	5	11	12.5	25
		FF, RE-152	Ammonia	ppm	5	11.4	11.8	25
		FF, RE-149	Ammonia	ppm	5	11.4	11.9	25
	Plant-8 & 8A storage tank farm							
	1	Plant-8 nr. ST-181	Ammonia	ppm	5	11.2	14	25
		Plant-8 nr. ST-172	MDC	ppm	5	6.7	7.8	25
		Plant-8 nr. ST-178	Methanol	ppm	5	7	9.5	200
		Plant-8 nr. ST-180	IPA	ppm	5	6.9	7.6	400
		Plant-8 nr. ST-174	Ammonia	ppm	5	7.9	12.6	25
	2	Plant-8A nr. ST-260	Toluene	ppm	5	6.8	7.4	100
		Plant-8A nr. ST-214	Xylene	ppm	5	5.2	7	100
	Plant-5							
	1	FF, RE-147	Acetone	ppm	5	13.3	17.6	750
			Toluene	ppm	5	5.9	9.8	100
			Methanol	ppm	5	15.2	26.2	200
		FF, RE-100	Ethly Acetate	ppm	5	23.7	26.2	400
	Plant-5A							
	1	FF, RE-141	IPA	ppm	5	5.4	7.3	400
	C.C.O.E. Tank Farm							
	1	ST-130	Ethanol	ppm	5	3.7	4.6	1000
	2	ST-132	Acetone	ppm	5	6.4	9.5	700
	3	ST-018	Toluene	ppm	5	5.7	7.4	100
	4	ST-020	Methanol	ppm	5	16.5	20.5	200

SN	Conditions				Compliance				
	5	ST-010	Ethyl Acetate	ppm	5	9.6	12.2	400	
	SRP 2 & SRP 3								
	1	SRP-02 FF RE-065	Methanol	ppm	5	6.8	7.3	200	
	2	SRP-02 FF RE-085 & 099	MDC	ppm	5	15.7	19.6	25	
	3	SRP-03 FF RE-064	Acetone	ppm	5	10.2	14.3	750	
	4	SRP-03 FF RE-136	Toluene	ppm	5	1.8	2.4	100	
	Plant-7								
	1	FF RE-124 & 125	MDC	ppm	5	9.1	10.8	25	
	2	SF RE-127 & 129	MDC	ppm	5	7	9.1	25	
	3	SF RE-121	MDC	ppm	5	7.2	8.3	25	
	4	SF RE-118	MDC	ppm	5	9.6	10.7	25	
	Plant-6 & 6B								
	1	PI-6B FF RE-158	Methanol	ppm	5	7.2	9.5	200	
	2	PI-6B FF RE-187	Methanol	ppm	5	8.5	9.8	200	
	Plant-2 & 2A								
	1	PI-2 FF CF-053	Acetone	ppm	5	12.9	13.8	750	
	2	PI-2 FF RE-004	Acetone	ppm	5	11.8	13.2	750	
		PI-2 FF RE-050	Acetone	ppm	5	13.6	17	750	
		PI-2 FF RE-110	Methanol	ppm	5	11.1	12.6	200	
	QC building & block								
	1	FF Chemical preparation area	VOC	ppm	5	7.8	9.2	-	
	2	GF Chemical preparation area	VOC	ppm	5	7.7	8.1	-	
	Liquid warehouse								
	1	Nr. Unloading area	Cyclohexon	ppm	5	6.2	6.5	300	
	2	Dispersing area	VOC	ppm	5	9	9.6	-	
	Solid warehouse								
	1	Solid Warehouse Dispensing Area	PM	mg/m3	1	0.48	-	5	
	31.	Regular monitoring of Volatile Organic Compounds (VOCs) shall be carried out in the work zone area and ambient air.			Comply <ul style="list-style-type: none">Work zone area and ambient air monitoring regularly monitored by NABL approved third party.Detailed reports of Form-37 are attached as Annexure 9 and ambient air monitoring reports are attached as Annexure 1.				
	32.	For control of fugitive emission, VOCs, following steps shall be followed: <ul style="list-style-type: none">a. Closed handling and charging system shall be provided for chemicals.b. Reflux condenser shall be provided over Reactors/ Vessels.			Comply <ul style="list-style-type: none">Close handling and vacuum charging system is available. Photograph of the same is attached as Annexure 5.Adequate condensers are provided and shall provide (if required) over reactors / vessels.				

SN	Conditions	Compliance
	<p>c. Pumps shall be provided with mechanical seals to prevent leakages.</p> <p>d. Air borne dust at all transfers operations/ points shall be controlled either by spraying water or providing enclosures.</p>	<ul style="list-style-type: none"> All pumps are having mechanical seal to prevent leakages. Effective vacuum charging system is available for transferring of powder.
33.	<p>Solvent management shall be carried out as follows:</p> <ul style="list-style-type: none"> ✓ Measures shall be taken to reduce the process vapors emissions as far as possible. Use of toxic solvents shall be minimum. All venting equipment shall have vapor recovery system. ✓ Reactors shall be connected to adequate chilling system to condensate solvent vapors and reduce solvent losses. ✓ Reactors and solvent handling pump shall have mechanical seals to prevent leakages. ✓ The condensers shall be provided with sufficient HTA and residence time to so as to achieve maximum solvent recovery. ✓ Solvent shall be stored in a separate space specified with all safety measures. ✓ Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. ✓ Solvent storage and handling area shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses. 	<p>Comply</p> <ul style="list-style-type: none"> Dual Condensers are connected with reactors. Each Condensers are having cooling water and chilling water supply. All the equipment and solvent handling systems are having adequate mechanical seals. All the condensers and heat exchangers are provided with adequate HTA. Calculation of the same is given as Annexure 4. Hence, 95% recovery has been achieved. Proper earthing and bonding are provided to tanks, pumps and solvent handling systems. Adequate safety measures like breather valves and/or flame arrestors has been taken to all tanks and condensers. Also, flame proof fittings are available. Photos of flame proof fitting is available as Annexure 5. Details of reactors, condensers, safety precautions and utilities are given as Annexure 4.
34.	<p>Regular monitoring of ground level concentration of PM₁₀, PM_{2.5}, SO₂, NO_x, NH₃, HCl, Cl₂, HBr and VOC shall be carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the standard stipulated by 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</p>	<p>Comply</p> <ul style="list-style-type: none"> We have identifies specific 4 nos. locations (in four directions) of ambient air quality monitoring (instead of 2 directions) locations which servers the adequate monitoring purpose. Adequate locations to carry out ambient air quality monitoring were decided on the basis of "Guidelines for the Measurement of Ambient Air Pollutants" provided by CPCB. 1 nos. Ambient air quality monitoring station has been installed for continuous ambient monitoring.

SN	Conditions	Compliance																																																		
	consultation with the GPCB.	<ul style="list-style-type: none">Photograph of the same is as below:<div></div>Summary of ambient air quality monitoring:<p>Ambient Air Quality-Third party monitoring (NABL)</p><table><tr><th>Parameters</th><th>Results (Std.)</th><th>Jul-20</th><th>Aug-20</th><th>Sep-20</th></tr><tr><td>PM₁₀</td><td>100 µg/m3</td><td>60</td><td>53</td><td>59</td></tr><tr><td>PM_{2.5}</td><td>60 µg/m3</td><td>23</td><td>20</td><td>25</td></tr><tr><td>SO₂</td><td>80 µg/m3</td><td>12</td><td>11</td><td>14</td></tr><tr><td>NO₂</td><td>80 µg/m3</td><td>14</td><td>12</td><td>15</td></tr></table> <table><tr><th>Parameters</th><th>Results (Std.)</th><th>Oct-20</th><th>Nov-20</th><th>Dec-20</th></tr><tr><td>PM₁₀</td><td>100 µg/m3</td><td>62</td><td>61</td><td>66</td></tr><tr><td>PM_{2.5}</td><td>60 µg/m3</td><td>25</td><td>26</td><td>28</td></tr><tr><td>SO₂</td><td>80 µg/m3</td><td>12</td><td>13</td><td>15</td></tr><tr><td>NO₂</td><td>80 µg/m3</td><td>13</td><td>16</td><td>14</td></tr></table><p>Note: As per above results, all results are within the permissible limit.</p>	Parameters	Results (Std.)	Jul-20	Aug-20	Sep-20	PM ₁₀	100 µg/m3	60	53	59	PM _{2.5}	60 µg/m3	23	20	25	SO ₂	80 µg/m3	12	11	14	NO ₂	80 µg/m3	14	12	15	Parameters	Results (Std.)	Oct-20	Nov-20	Dec-20	PM ₁₀	100 µg/m3	62	61	66	PM _{2.5}	60 µg/m3	25	26	28	SO ₂	80 µg/m3	12	13	15	NO ₂	80 µg/m3	13	16	14
Parameters	Results (Std.)	Jul-20	Aug-20	Sep-20																																																
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SN	Conditions	Compliance																																																																																																														
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35.	<p>All the hazardous waste management shall be taken care as mentioned below:</p> <table><tr><th rowspan="2">#</th><th rowspan="2">Type/ Name of Hazardous waste</th><th rowspan="2">Specific Source of generation (Name of the Activity, Product etc.)</th><th rowspan="2">Cat. & Sched-ule as per HW Rules.</th><th colspan="3">Quantity (MT/Annum)</th><th rowspan="2">Management of HW</th></tr><tr><th>Existing</th><th>Proposed</th><th>Total</th></tr><tr><td>1</td><td>Used Oil</td><td>Maintenance</td><td>5.1</td><td>8.76</td><td>21.24</td><td>30</td><td>Re-refiner</td></tr><tr><td>2</td><td>Process Residue & Waste</td><td>ML & residue from Process</td><td>28.1</td><td>30960</td><td>2040</td><td>33000</td><td>Co-processing & CHWIF</td></tr><tr><td>3</td><td>Spent Catalyst</td><td>Process</td><td>28.2</td><td>0</td><td>150</td><td>150</td><td>Returned to the manufacturer</td></tr><tr><td>4</td><td>Spent carbon & Hy-flow</td><td>Process</td><td>28.3</td><td>180</td><td>420</td><td>600</td><td>Co-processing & CHWIF</td></tr><tr><td>5</td><td>Off Specification Product</td><td>Rejected Material</td><td>28.4</td><td>What so ever generated</td><td>--</td><td>What so ever generated</td><td>Co-processing & CHWIF</td></tr><tr><td>6</td><td>Date Expired Product</td><td>Stores</td><td>28.5</td><td>What so ever generated</td><td>--</td><td>What so ever generated</td><td>Co-processing & CHWIF</td></tr><tr><td>7</td><td>Spent Solvent</td><td>Process</td><td>28.6</td><td>13200</td><td>69100</td><td>82300</td><td>35500 MTA Onsite and 46800 MTA Offsite SRP with Rule 9 &/or Co-processing &/or CHWIF</td></tr><tr><td>8</td><td>Empty barrels/</td><td>Material Handling</td><td>33.1</td><td>600</td><td>500</td><td>1100</td><td>Recycler</td></tr></table>	#	Type/ Name of Hazardous waste	Specific Source of generation (Name of the Activity, Product etc.)	Cat. & Sched-ule as per HW Rules.	Quantity (MT/Annum)			Management of HW	Existing	Proposed	Total	1	Used Oil	Maintenance	5.1	8.76	21.24	30	Re-refiner	2	Process Residue & Waste	ML & residue from Process	28.1	30960	2040	33000	Co-processing & CHWIF	3	Spent Catalyst	Process	28.2	0	150	150	Returned to the manufacturer	4	Spent carbon & Hy-flow	Process	28.3	180	420	600	Co-processing & CHWIF	5	Off Specification Product	Rejected Material	28.4	What so ever generated	--	What so ever generated	Co-processing & CHWIF	6	Date Expired Product	Stores	28.5	What so ever generated	--	What so ever generated	Co-processing & CHWIF	7	Spent Solvent	Process	28.6	13200	69100	82300	35500 MTA Onsite and 46800 MTA Offsite SRP with Rule 9 &/or Co-processing &/or CHWIF	8	Empty barrels/	Material Handling	33.1	600	500	1100	Recycler	<p>Comply</p> <ul style="list-style-type: none">Process residue & waste sent for co-processing to GPCB approved cement industry named Ultratech Cements Ltd. and RSPL, Panoli.Ultratech Cements Ltd. is having valid consent No. AWH-97041, dtd. 06/11/2018 and valid up to 30/06/2023.Recycling Solution Pvt Ltd (RSPL), Panoli having valid consent No. AWH-83687, dtd. 16/01/2017 and valid up to 31/12/2021.GPCB has granted permission for Co-Processing of our waste having high Calorific Value like process residue & waste, spent carbon and spent Organic solvent etc. <table><tr><th rowspan="2">Month</th><th colspan="3">Co-incinerable Waste Sent to Co-processing</th></tr><tr><th>Spent Carbon (in MT) 28.3</th><th>Process residue & Waste (in KL) 28.1</th><th>Date-Expired Material (in MT) 28.5</th></tr><tr><td>Jul-20</td><td>11.195</td><td>511.645</td><td>21.620</td></tr><tr><td>Aug-20</td><td>11.195</td><td>716.195</td><td>0</td></tr><tr><td>Sep-20</td><td>0</td><td>630.515</td><td>23.150</td></tr><tr><td>Oct-20</td><td>0</td><td>609.780</td><td>31.540</td></tr><tr><td>Nov-20</td><td>5.790</td><td>553.770</td><td>20.570</td></tr><tr><td>Dec-20</td><td>20.070</td><td>410.525</td><td>10.480</td></tr><tr><td>Total</td><td>48.250</td><td>3432.430</td><td>107.360</td></tr></table> <ul style="list-style-type: none">Land filling wastes like; ETP sludge, evaporated salt	Month	Co-incinerable Waste Sent to Co-processing			Spent Carbon (in MT) 28.3	Process residue & Waste (in KL) 28.1	Date-Expired Material (in MT) 28.5	Jul-20	11.195	511.645	21.620	Aug-20	11.195	716.195	0	Sep-20	0	630.515	23.150	Oct-20	0	609.780	31.540	Nov-20	5.790	553.770	20.570	Dec-20	20.070	410.525	10.480	Total	48.250	3432.430	107.360
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SN	Conditions							Compliance
		containers/liners						and incineration ash are sent to TSDF site to GPCB approved landfilling site SEPPL and Detox India Pvt. Ltd.
9	Contaminated cotton rags & other cleaning material	Contaminated & oil swabbed cotton and rags, PPEs used by workers	33.2	0.5	4.5	5	Co-processing & CHWIF	<ul style="list-style-type: none"> SEPPL is having valid Consent No. AWH-97731 Valid up to: 05/11/2023. Detox India Pvt Ltd. is having valid Consent No. AWH-97750 Valid up to: 04/10/2023.
10	ETP sludge	ETP	35.3	650	6850	7500	TSDF	
11	Oil and grease skimming	ETP	35.4	0	25	25	Co-processing & CHWIF	
12	Distillation residue	Spend Solvent Distillation	36.1	360	1640	2000	Co-processing & CHWIF	
13	Filler & Filter Material	Process equipment	36.2	300	300	600	Inhouse Incineration & CHWIF	
14	Sludge from wet scrubbers	Scrubber Bleed	37.1	0	16425 KL	16425 KL	To ETP and disposed along with ETP sludge	
		Solids and sludge removed during Periodic cleaning of scrubbing liquid tank	37.1	0	100	100	Disposed to Secured Landfill site at TSDF	
15	Incinerator Ash	Incinerator	37.2	100	175	275	TSDF	
16	Evaporated Salt	ATFD	37.3	450	8675	9125	TSDF	

Month	Waste Sent to TSDF		
	ETP sludge (in MT)	Evaporated salt (in MT)	Incineration Ash (in MT)
	35.3	37.3	37.2
Jul-20	0	0	0
Aug-20	0	0	0
Sep-20	0	23.245	0
Oct-20	200.585	208.820	19.380
Nov-20	182.460	0	23.730
Dec-20	78.390	76.610	0
Total	461.435	308.675	43.11

- Copy CC&A order of Detox India Pvt Ltd and SEPPL, membership Certificate for Authorization & agreement of SEPPL, agreement of Ultratech Cements Ltd. and hazardous waste disposal bifurcation data are attached as [Annexure 11](#).

SN	Conditions	Compliance
36.	Authorized end-users shall have permissions from the concerned authorities under Rule 9 of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016.	Comply <ul style="list-style-type: none"> We are having Rule 9 authorization valid consent no. H-98124, dtd. 20/10/2018 and valid up to 19/10/2021. Valid consent is attached as Annexure 12.
37.	Unit shall explore the possibilities for environmental friendly methods like co-processing of hazardous waste for disposal of Incinerable & land fillable wastes before sending to CHWIF & TSDF sites respectively.	Comply <ul style="list-style-type: none"> We are sending majority of the waste for co-processing.

SN	Conditions	Compliance
	<u>A5 OTHER:</u>	
38.	The project proponent shall allocate the separate fund of Rs. 2.64 Crores i.e. >0.75% of additional capital investment for the activities in accordance to the MoEFCC's office Memorandum No. F.No. 22-65/2017-IA III dtd. 01/05/2018. The entire activities proposed under CER shall be monitored and the monitoring report shall be submitted to the regional office of MoEF&CC as a part of half-yearly compliance report and to district collector. The monitoring report shall be posted on the website of the project proponent.	Noted and agreed
39.	All the environmental protection measures and safeguards proposed by project proponent and commitments made in application shall be strictly adhered to in letter and spirit.	Agreed and comply

B. GENERAL CONDITIONS

SN	Conditions	Compliance
	<u>B1 CONSTRUCTION PHASE:</u>	
40.	Water demand during construction shall be reduced by use of curing agents, super plasticizers and other best construction practices.	Noted and comply
41.	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.	Comply
42.	All required sanitary and hygienic measures shall be provided before starting construction activities and to be maintained throughout the construction phase.	Agreed and comply
43.	First Aid box shall be readily available in adequate quantity at all the times.	Agreed and comply
44.	The project proponent shall strictly comply with the Building and other Construction Workers (Regulation of Employment & Condition of Services) Act 1996 and Gujarat rules made there under and their subsequent amendments. Local bye-laws of concern authority shall be complied in letter and spirit.	Agreed and comply
45.	Ambient noise levels shall conform to residential standards both during day and night. Incremental pollution load on the ambient air and noise quality shall be closely monitored during construction phase.	Noted and shall comply
46.	Use of 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.	Noted and shall comply <ul style="list-style-type: none"> Existing D.G.Sets are having acoustic enclosures to ensure noise emission standards.
47.	Safe disposal of waste water and municipal solid waste generated during the construction phase shall be ensured.	Noted and shall comply
48.	All top soil excavated during construction activity shall be used in horticulture/ landscape development within the project site.	Noted and shall comply
49.	Excavated earth to be generated during the construction phase shall be utilized within the	Agreed and comply

SN	Conditions	Compliance
	premises to the max. extent possible and balance quantity of excavated earth shall be dispose 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 neighboring communities.	
50.	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.	Noted and shall comply
51.	Fly ash shall be used in construction wherever applicable as per provisions of fly ash Notification under the EPA 1986 and its subsequent amendments from time to time.	Comply <ul style="list-style-type: none"> We are utilizing our fly-ash for brick manufacturing. Agreement is attached as Annexure 18.
52.	"Wind - breaker of appropriate height i.e. 1/3 rd of the building height and maximum up to 10m shall be provided". Individual building within the project site shall also be provided with barricades.	Noted and shall comply
53.	"No uncovered vehicles carrying construction material and waste shall be permitted."	Noted and shall comply
54.	No loose soil or sand or construction & demolition waste or any other construction material that cause dust shall be left uncovered. Uniform piling and proper storage of sand to avoid fugitive emissions shall be ensured.	Agreed and comply
55.	Roads leading to or at construction site must be paved and blacktopped (i.e. metallic roads)	Comply
56.	No excavation of soil shall be carried out without adequate dust mitigation measures in place.	Noted and shall comply
57.	Dust mitigation measures shall be displayed prominently at the construction site for easy public viewing.	Noted and shall comply
58.	Grinding and cutting of building materials in open area shall be prohibited.	Noted and shall comply
59.	Construction material and waste should be stored only within earmarked area and road side storage of construction material and waste shall be prohibited.	Agreed and shall comply
60.	Construction and demolition waste processing and disposal site shall be identified and required dust mitigation measures be notified at the site (if	Not applicable

SN	Conditions	Compliance																																								
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	<u>B2 OPERATION PHASE:</u>																																									
	B2.1 WATER:																																									
61.	The water meter shall be installed and records of daily and monthly water consumption shall be maintained.	<p>Noted and shall comply</p> <ul style="list-style-type: none">Total fresh water consumption is not exceeded from 160 m³/day. Water consumption data is as below: <table><tr><th></th><th colspan="2">Fresh Water</th><th colspan="2">Recycled Water</th></tr><tr><th>Month</th><th>Usage (KL/ Month)</th><th>Usage (KLD)</th><th>Usage (KL/Month)</th><th>Usage (KLD)</th></tr><tr><td>Jul-20</td><td>4776</td><td>154</td><td>3050</td><td>98</td></tr><tr><td>Aug-20</td><td>4809</td><td>155</td><td>2910</td><td>94</td></tr><tr><td>Sep-20</td><td>4623</td><td>154</td><td>3174</td><td>106</td></tr><tr><td>Oct-20</td><td>4882</td><td>157</td><td>2700</td><td>87</td></tr><tr><td>Nov-20</td><td>4659</td><td>155</td><td>842</td><td>28</td></tr><tr><td>Dec-20</td><td>4731</td><td>153</td><td>1233</td><td>40</td></tr></table> <p>Note: As per above results, water consumption are within the permissible limit.</p> <ul style="list-style-type: none">Daily fresh water consumption data is attached as Annexure 7.		Fresh Water		Recycled Water		Month	Usage (KL/ Month)	Usage (KLD)	Usage (KL/Month)	Usage (KLD)	Jul-20	4776	154	3050	98	Aug-20	4809	155	2910	94	Sep-20	4623	154	3174	106	Oct-20	4882	157	2700	87	Nov-20	4659	155	842	28	Dec-20	4731	153	1233	40
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62.	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.	<p>Comply</p> <ul style="list-style-type: none">Company is continuously looking forward for the new technology to optimize water consumption and recycling.Company is having effective RO system followed by high pressure RO to reduce reject. Also, company is having under process to installed Low temperature evaporation (LTE) and Soil-bio technology (SBT) for effective treatment of effluent.																																								
	B2.2 AIR:																																									
63.	In case of use of spray dryer, the unit shall provide the adequate and efficient APCMs with spray dryer so that there should not be any adverse impact on human health & environment. Unit shall carry out third party monitoring of the proposed Spray Dryer & it's APCM through the credible institutes and study report for impacts on Environment & human health shall be submitted to GPCB every year along with half yearly compliance report.	<ul style="list-style-type: none">In our unit there is no spray dryer. Hence, not Applicable.																																								
64.	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	<p>Comply</p> <ul style="list-style-type: none">Adequate acoustic enclosures are provided to																																								

SN	Conditions	Compliance																					
	noise emission standards.	<p>D.G. Sets to mitigate noise pollution.</p> <table border="1"> <thead> <tr> <th>Month</th><th>Noise level dB(A)</th><th>Permissible level (8 hrs.) dB(A)</th></tr> </thead> <tbody> <tr> <td>Jul-20</td><td>73.47</td><td>90</td></tr> <tr> <td>Aug-20</td><td>74.54</td><td>90</td></tr> <tr> <td>Sep-20</td><td>72.92</td><td>90</td></tr> <tr> <td>Oct-20</td><td>74.82</td><td>90</td></tr> <tr> <td>Nov-20</td><td>73.42</td><td>90</td></tr> <tr> <td>Dec-20</td><td>73.32</td><td>90</td></tr> </tbody> </table> <p>Note: As per above results, noise consumption are within the permissible limit.</p> <ul style="list-style-type: none"> Noise monitoring report of the same is attached as Annexure 13. 	Month	Noise level dB(A)	Permissible level (8 hrs.) dB(A)	Jul-20	73.47	90	Aug-20	74.54	90	Sep-20	72.92	90	Oct-20	74.82	90	Nov-20	73.42	90	Dec-20	73.32	90
Month	Noise level dB(A)	Permissible level (8 hrs.) dB(A)																					
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Dec-20	73.32	90																					
65.	Stacks/ Vents (whichever is applicable) of adequate height shall be provided as per the prevailing norms for flue gas emission/ process gas emission.	<p>Comply</p> <ul style="list-style-type: none"> Adequate stack/vent height is provided to prevent flue and process gas emission. 																					
66.	Flue gas emission and process gas emission (if any) shall conform to the standards prescribed by the GPCB/CPCB/MoEFCC. At no time, emission level should go beyond the stipulated standards.	<p>Comply</p> <ul style="list-style-type: none"> Flue gas stack and process gas stack emission reports are attached as Annexure 6. 																					
67.	All the reactors/ vessels used in the manufacturing process shall be closed to reduce the fugitive emission.	<p>Comply</p> <ul style="list-style-type: none"> All the reactors and vessels used in the manufacturing process are under close loop operation and connected with adequate condenser/ scrubber system to reduce fugitive emission. 																					
	B2.3 HAZARDOUS/ SOLID WASTE:																						
68.	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.	<p>Comply</p> <ul style="list-style-type: none"> Company is strictly following the norms of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, for collection / treatment / storage / disposal of hazardous wastes. 																					
69.	Hazardous waste shall be dried, packed and stored in separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.	<p>Comply</p> <ul style="list-style-type: none"> Properly dried & packed waste are stored separately and sent for disposal. Effective leachate collection system is available to treat leachate. 																					
70.	The unit shall obtain necessary permission from	Comply																					

SN	Conditions	Compliance
	the nearby TSDF site and CHWIF. (whichever is applicable)	<ul style="list-style-type: none"> Permission / Agreement are available for TSDF, co-processing and CHWIF. Attachment of the same is available as Annexure 11.
71.	Trucks/Tankers used for transportation of hazardous waste shall be in accordance with the provisions under the Motor Vehicle Act, 1988, and the rules made there under.	Agree and comply
72.	The design of the trucks/tankers shall be such that there is no spillage during transportation.	Agree and comply
73.	All possible efforts shall be made for co-processing of the hazardous waste prior to disposal into TSDF/CHWIF.	<p>Comply</p> <ul style="list-style-type: none"> We are giving prime priority to co-processing. Also, we are continuously trying to generate possible options to dispose hazardous waste to co-processing rather than TSDF/SHWIF.
74.	Management of fly ash (if any) shall be as per the Fly Ash Notification 2009 and its amendment time to time and it shall be ensured that there is 100% utilization of fly ash to be generated from the unit.	<p>Comply</p> <ul style="list-style-type: none"> We are utilizing our fly-ash for brick manufacturing. Agreement is attached as Annexure 18.
	B.2.4 SAFETY:	
75.	The occupier/manager shall strictly comply the provisions under the Factories Act 1948 and the Gujarat Factories Rules 1963.	Noted and comply
76.	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 the project. Requisite On-site and Off-site Disaster Management Plans have to be prepared and implemented.	<p>Comply</p> <ul style="list-style-type: none"> On-site emergency plan available.
77.	Main entry and exit shall be separate and clearly marked in the facility.	Comply
78.	Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/emergency vehicle around the premises.	Comply
79.	Storage of flammable chemicals shall be sufficiently away from the production area.	Comply
80.	Sufficient numbers of fire extinguishers shall be provided near the plant and storage area.	<p>Comply</p> <ul style="list-style-type: none"> List of fire extinguishers are available as

SN	Conditions	Compliance
		Annexure 5.
81.	All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic/hazardous chemicals.	Comply
82.	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.	Comply
83.	The project management shall ensure to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment Report.	Comply
84.	Only flame proof electrical fittings shall be provided in the plant premises.	Comply <ul style="list-style-type: none"> In plant premises, flame proof fittings are available. Photographs of the same is attached as Annexure 5.
85.	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.	Comply <ul style="list-style-type: none"> Adequate storage of hazardous chemicals in tanks, having suitable safety measures.
86.	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.	Comply <ul style="list-style-type: none"> All storage tanks having appropriate controls to avoid any leakage/ spillage. Dyke wall is provided to hazardous chemical storage tanks.
87.	Handling and charging of the chemicals shall be done in closed manner by pumping or by vacuum transfer so that minimal human exposure occurs.	Comply <ul style="list-style-type: none"> Handling and charging of the chemicals are done under close condition through vacuum transfer to avoid human intervention. Photograph of vacuum charging system is available in Annexure 5.
88.	Tie up shall be done with nearby health care unit/ doctor for seeking immediate medical attention in the case of emergency.	Comply <ul style="list-style-type: none"> In case of any emergency, company has made tie up with nearby hospital and also Mutual-aid is done with nearby company. Mutual aid copy and emergency contact list are attached as Annexure 16.
89.	Personal Protective Equipment (PPEs) shall be provided to workers and its usage shall be ensured and supervised.	Comply <ul style="list-style-type: none"> Required PPE's are provided to all the employees and workers to ensure personnel safety at workplace. PPE matrix is available in Annexure 5.
90.	First Aid Box and required antidotes for the	Comply

SN	Conditions	Compliance																																			
	chemicals used in the unit shall be made readily available in adequate quantity.	<ul style="list-style-type: none">Total 30 nos. first aid boxes are available in throughout the premises.Antidotes like Methylene blue, Dexona, Avil, Adrenaline, Atropine, Pam, Deriphyllin, Snake antivenom, Vitamin K are readily available at site																																			
91.	Training shall be imparted to all the workers on safety and health aspects of chemical handling.	<p>Comply</p> <ul style="list-style-type: none">Training is imparted to workers, contractual employees and company employees.Training calendar for health, safety and Environment is prepared and followed accordingly. Total 7469 employees attend training during Jun-Dec 2020. <table><tr><th>Training Topics</th></tr><tr><td>Operation of DCP & CO2 type fire Extinguisher</td></tr><tr><td>Corona Virus</td></tr><tr><td>First Aid</td></tr><tr><td>Work Permit System</td></tr><tr><td>Engineering Safety</td></tr><tr><td>Electro Static Hazard & its Control</td></tr><tr><td>Safety during Hot & Height work (Construction Safety)</td></tr><tr><td>Safe Operation Of Man Lift</td></tr><tr><td>Accident Prevention & Control Techniques</td></tr><tr><td>Excavation Permit Safety</td></tr><tr><td>Bio Medical Waste</td></tr><tr><td>Process Safety & powder Handling</td></tr><tr><td>Importance of PPE's</td></tr><tr><td>Safety during ANF Unloading & loading</td></tr><tr><td>Use of PPE'S</td></tr><tr><td>Safe use of PPEs</td></tr><tr><td>Behavior Based Safety</td></tr><tr><td>Fire Alarm System</td></tr><tr><td>Material Handling & Process Safety</td></tr><tr><td>Process Safety & Electrostatic Hazard</td></tr><tr><td>Process safety and material handling</td></tr><tr><td>Life Style Management</td></tr><tr><td>Emergence preparedness</td></tr><tr><td>Environment prevention & Control</td></tr><tr><td>Process Safety</td></tr><tr><td>Electrostatic Hazard & its Control</td></tr><tr><td>Hot & Height work safety</td></tr><tr><td>General Safety Awareness</td></tr><tr><td>Material Handling</td></tr><tr><td>working At Height</td></tr><tr><td>Construction Safety</td></tr><tr><td>Safety During Hot Work</td></tr><tr><td>Chemical handling</td></tr><tr><td>Emergence preparedness and fire alarm system</td></tr></table>	Training Topics	Operation of DCP & CO2 type fire Extinguisher	Corona Virus	First Aid	Work Permit System	Engineering Safety	Electro Static Hazard & its Control	Safety during Hot & Height work (Construction Safety)	Safe Operation Of Man Lift	Accident Prevention & Control Techniques	Excavation Permit Safety	Bio Medical Waste	Process Safety & powder Handling	Importance of PPE's	Safety during ANF Unloading & loading	Use of PPE'S	Safe use of PPEs	Behavior Based Safety	Fire Alarm System	Material Handling & Process Safety	Process Safety & Electrostatic Hazard	Process safety and material handling	Life Style Management	Emergence preparedness	Environment prevention & Control	Process Safety	Electrostatic Hazard & its Control	Hot & Height work safety	General Safety Awareness	Material Handling	working At Height	Construction Safety	Safety During Hot Work	Chemical handling	Emergence preparedness and fire alarm system
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SN	Conditions	Compliance														
		<table><tr><td>material safety data sheet</td></tr><tr><td>vehicle loading unloading</td></tr><tr><td>forklift operation</td></tr><tr><td>Handling and reconciliation of sampling utensils in chemical area and clean area</td></tr><tr><td>use of safety shower</td></tr><tr><td>safe use of personal protective equipment</td></tr><tr><td>Process & Material Handling</td></tr><tr><td>Hot work</td></tr><tr><td>house kipping & electrical hazard safety</td></tr><tr><td>Material Handling</td></tr><tr><td>safety precautions in boiler house</td></tr><tr><td>PPE's usage work at height emergency handling</td></tr><tr><td>Confined Space</td></tr><tr><td>Electrical & work in height staff training</td></tr></table> <ul style="list-style-type: none">Details of the training index is attached in Annexure 5.	material safety data sheet	vehicle loading unloading	forklift operation	Handling and reconciliation of sampling utensils in chemical area and clean area	use of safety shower	safe use of personal protective equipment	Process & Material Handling	Hot work	house kipping & electrical hazard safety	Material Handling	safety precautions in boiler house	PPE's usage work at height emergency handling	Confined Space	Electrical & work in height staff training
material safety data sheet																
vehicle loading unloading																
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Material Handling																
safety precautions in boiler house																
PPE's usage work at height emergency handling																
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Electrical & work in height staff training																
92.	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.	Complied <ul style="list-style-type: none">Occupational health surveillance of all employee is carried out twice in a year (every six month). Last health surveillance is done in Jul 2020.Pre-employment is carried out of all the employees before joining of the company. Periodical medical examination carried out by Bhailal Amin General Hospital (BAGH), Vadodara.Total 937 nos. employees were covered in the Last health surveillance.														
93.	Transportation of the hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.	Complied <ul style="list-style-type: none">All the hazardous substance are transport as per the provisions of the Motor Vehicle Act & Rules.Hazardous waste is transport as per the guideline by the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2015.														
94.	The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.	Comply														
95.	Necessary permissions from various statutory authorities like PESO, Factory Inspectorate and others shall be obtained prior to commissioning of the project.	Comply <ul style="list-style-type: none">PESO certification is attached as Annexure 3.														
	B.2.5 NOISE:															

SN	Conditions	Compliance
96.	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 and Rules.	Comply <ul style="list-style-type: none"> Adequate control measures are provided to reduce noise. Ambient Noise monitoring and source noise monitoring is carried out by third party. Noise monitoring report is attached as Annexure 13.
	B.2.6 CLEANER PRODUCTION & WASTE MINIMISATION:	
97.	The unit shall undertake 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.	<ul style="list-style-type: none"> Noted and shall comply
98.	<p>The company shall undertake waste minimization measures such as:</p> <ol style="list-style-type: none"> Metering & Control of quantities of active ingredients to minimize waste. Reuse of by-products from the process as raw materials or as raw material substitutes. Use of automated and close fittings to minimize the spillages. Use of closed feed system into batch reactors. Venting equipment through vapor recovery system. Use of high-pressure hoses for cleaning to reduce wastewater generation. Recycling of washes to subsequent batches. Recycling of steam condensate. Sweeping/Mopping of floor instead of floor washing to avoid effluent generation. Regular preventive maintenance for avoiding leakages, spillages, etc. 	<p>Noted and shall comply</p> <ul style="list-style-type: none"> Close loop system and vacuum handling system is available to avoid spillage. High pressure jet nozzle is available for effective cleaning of reactors to reduce wastewater generation. Steam condensate is recycle in process. Floor cleaning is done through mopping to avoid effluent generation. Regular preventive maintenance system is available to reduce leakages/ spillages form equipment. Stripper column is available in the production unit to recover solvent form high COD contained effluent. Which reduces the quantity of effluent.
	B.2.7 GREEN BELT AND OTHER PLANTATION:	
99.	The unit shall develop green belt within premises as per the CPCB guidelines. However, if the adequate land is not available within the premises, the unit shall take up adequate	<p>Under compliance</p> <ul style="list-style-type: none"> We are having 51007.44 m2 green belt area. Adequate green belt is under development. This year, we have planted 2000+ saplings in

SN	Conditions	Compliance
	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 for next three years to the GPCB.	our premises and surroundings. Details of green belt is attached as Annexure 10 .
100.	Drip Irrigation/low-volume, low-angle sprinkler system shall be used for the green belt development within the premises.	Comply <ul style="list-style-type: none"> Low-angle sprinkler systems are available for effective irrigation.
	<u>B3 OTHER CONDITION:</u>	
101.	Unit shall comply all the applicable standard conditions prescribed in Office Memorandum (OM) published by MoEF&CC vide no. F No. 22-34/2018-IA.III dtd 09/08/2018 for Pharmaceuticals and Chemical Industries mentioned at (Sr. No. XX).	Noted and agreed
102.	The provision of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016, the Construction and Demolition Waste Management Rules, 2016 and the Plastic Waste Management Rules, 2016 shall be followed.	Shall comply
103.	Rain water harvesting (off-site) shall be undertake to conserve fresh water as well as recharge ground water. Before recharging the surface run-off, pre-treatment must be done to remove suspended matter (applicable for units consuming ground water ≥ 50 KLD in-line with the prevailing guidelines of SPCB).	Comply <ul style="list-style-type: none"> Total 21 nos. of recharge bore well in the campus are available, out of which company has constructed 8 nos. new recharge bore wells. Total 17280 KL rain water recharged during last monsoon season. Details of the bore wells are provided in Annexure 15. Summary of rain water recharge bore wells are given below. <ul style="list-style-type: none"> One Recharge Well of approx. 30 m³/hr 5000 m³ Rain water storage 1000 m³ Rain water storage
104.	The unit shall join and participate financially and technically for any common environmental facility/ infrastructure as and when the same is taken up either by the Industrial Association or GIDC or GPCB or any such authority created for this purpose by the Govt./ GIDC.	Noted and agreed
105.	Application of solar energy shall be incorporated for illumination of common areas, lighting for gardens and street lighting in addition the provision of solar water heating system shall also be provided.	Noted and shall comply
106.	The area earmarked as green area shall be used	Noted and agreed


SN	Conditions	Compliance
	only for plantation and shall not be altered for any other purpose.	<ul style="list-style-type: none"> We have already marked existing and proposed green belt area.
107.	All the commitments/ undertaking given as to the SEAC during the appraisal process for the purpose of environmental protection and management shall be strictly adhered to.	<p>Noted and agreed</p> <ul style="list-style-type: none"> Company is following the condition given in CC&A and maintaining the same. Compliance of CC&A is attached as Annexure 19.
108.	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.	Noted and agreed
109.	In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.	Noted and agreed
110.	The project authorities must strictly adhere to the stipulations made by the GPCB, State Government and any statutory authority.	Noted and agreed
111.	During the material transfer there shall be no spillages and garland drain shall be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.	Shall comply
112.	Pucca flooring/ impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.	<p>Comply</p> <ul style="list-style-type: none"> Impervious layer is available in the work areas, storage areas and chemical handling areas to avoid any kind of soil contamination.
113.	Leakages from pipes, pumps shall be minimal and if occurs, shall be arrested promptly.	Noted and agreed
114.	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.	Noted
115.	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.	Noted and agreed

SN	Conditions	Compliance
116.	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.	<p>Noted and comply</p> <ul style="list-style-type: none"> • CSR Activities are carrying out by Alembic CSR Foundation under <ul style="list-style-type: none"> - <i>Educational activities</i> like school adaptation, Community outreach programs, school education development for students of school, run by Rural Development Society, Training & Workshop to Children & Teachers, education facilities, industrial training program, Women Empowerment etc. - <i>Health activities</i> like; Blood Transfusion Centre, free cancer care, medical assistance & treatment to socially & economically backward persons etc. - <i>Community developments</i> like; personal hygiene & sanitation by constructing toilets, Adoption of Children's homes (orphans & social/ economically backward groups), Adoption of Government Institution for destitute, Village Development Programs, etc. - <i>Environmental conservations</i> like; Waste Weir constructed to increase groundwater levels.
117.	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.	Noted and shall comply
118.	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.	Noted and agreed
119.	The applicant shall inform the public that the project has been accorded environment clearance by SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the website of SEIAA/SEAC/GPCB. This shall be advertised within seven days from the date of clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in Gujarati language	<p>Comply</p> <ul style="list-style-type: none"> • Advertisement for the environmental clearance was published in widely circulated daily newspapers like; (1) Indian Express-English language and (2) Gujarat Samachar-Regional Language. • Advertisement is attached as Annexure 17.

SN	Conditions	Compliance
	and the other in English. A copy of each of them shall be forwarded to the concerned Regional Office of the ministry.	
120.	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 soft copies to the regulatory authority concerned, on 1 st June 1 st December of each calendar year.	<p>Complied</p> <ul style="list-style-type: none"> • EC compliance report of EC No. F No. J-11011/232/2014-IA II(I) was submitted on 19/02/2019 to Bhopal Regional Office. • EC compliance report of EC No. F No. J-11011/232/2014-IA II(I) was submitted on 24/07/2019 to Bhopal Regional Office. • EC compliance report of EC No. F No. J-11011/232/2014-IA II(I) was submitted on 10/02/2020 to Bhopal Regional Office. • Last EC compliance report of EC No. F No. J-11011/232/2014-IA II(I) was submitted on 11/09/2020 to Bhopal Regional Office.
121.	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.	Noted and agreed
122.	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	<p>Noted and agreed</p> <ul style="list-style-type: none"> • Company is following the condition given in CC&A and maintaining the same. Compliance of CC&A is attached as Annexure 19. • The environmental statement for each FY is sending to GPCB in Form-V. • Form-V of FY 2016-17 was submitted on 09/05/2017. • Form-V of FY 2017-18 was submitted on 17/05/2018. • Form-V of FY 2018-19 was submitted on 01/05/2019. We have submitted Form-V of FY 2018-19 to Bhopal Regional Offices of MoEF by e-mail on dtd.17/10/2019. • Form-V of FY 2019-20 was submitted on 21/04/2020. Soft copy of the same was sent by E-mail on dtd. 19/05/2020. • O/c of the Form-V of the last 4 years are attached as Annexure 20.
123.	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	Noted and agreed

SN	Conditions	Compliance
124.	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.	Noted and agreed <ul style="list-style-type: none"> The company shall adhere to the stipulations made by governing authority and shall implement the same.
125.	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 the start of project.	Noted
126.	This environmental clearance is valid for seven years from the date of issue.	Noted
127.	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.	Noted and agreed
128.	Submission of any false or misleading information or data which is material to screening or scoping or appraisal or decision on the application makes environment clearance cancelled.	Noted and agreed

ANNEXURE 1: Analysis reports of Ambient Air



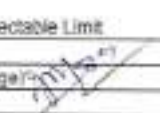

PRAKRUTI

TEST REPORT
(AMBIENT AIR QUALITY)
ULR:TC727920000001748F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-6)	Ref. No.:	20211392
Location:	Via. Panchmahal, P.O. Tapura Tal. Halol Dist. Panchmahal	Report Date:	20/07/2020
Authorized Person:	Mr. Karanesh Padana	Analysis Date:	10/07/2020
Station:	Near Incinerator Plant	Analysed By:	G. M. Desai
Sampling Duration:	24 hours	Receipt Date:	08/07/2020
Field Observation:	--	Receipt Time:	13:10
Monitoring Method:	IS: 5182 (Part 14): 2000 & (Part 5): 1975	Received By:	Nilima
Applicable Standard:	NAAQS: 2009	Collection Date:	07/07/2020
		Collection Time:	15:30
		Collected By:	Mayur

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2008	59.34	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	22.24	50
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	11.42	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	13.90	80

Remarks:
1. BDL: Below Detectable Limit; DL: Detectable Limit

Checked By: G. M. Desai (Lab In-charge)  Authorized Signatory: Krishna Desai (Partner) 

Note:
1. The tests marked with * are not accredited by NABL.
2. The results refer only to the tested sample(s) and applicable parameter(s).
3. Sample(s) will be destroyed after 10 days from the report date unless otherwise specified.
4. This report is not to be reproduced wholly or in part without written approval from Prakruti Environmental Engineers.
5. Prakruti Environmental Engineers is not responsible for the authenticity of the sample(s) not collected by our Environmental Laboratory.
6. Measurement Uncertainty is not mentioned in the test report and the same can be communicated to the customer on request.

End of Report.





TEST REPORT
(AMBIENT AIR QUALITY)
ULR:TC727920000001749F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20211393
Location:	Vill. Panelav, P.O. Tajpura, Tal: Halol, Dist. Panchmahal	Report Date:	20/07/2020
		Analysis Date:	10/07/2020
		Analysed By:	G M Desai
Authorised Person:	Mr. Kalpesh Padaria	Receipt Date:	08/07/2020
Station:	Near Plant 8	Receipt Time:	18:10
Sampling Duration:	24 hours	Received By:	Nilima
Field Observation:	--	Collection Date:	07/07/2020
Monitoring Method:	IS: 5182 (Part 14): 2000 & (Part 5): 1975	Collection Time:	15:50
Applicable Standard:	NAAQS: 2009	Collected By:	Mayur

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	52.95	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	19.88	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	10.35	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	12.84	80

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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End of Report





TEST REPORT
(AMBIENT AIR QUALITY)
 ULR:TC727920000001750F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20211394
Location:	Vil: Panelav, P.O. Tajpura, Tal: Haldol, Dist: Panchmahal	Report Date:	20/07/2020
		Analysis Date:	10/07/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysed By:	G M Desai
Station:	Utility Area	Receipt Date:	08/07/2020
Sampling Duration:	24 hours	Receipt Time:	18:10
Field Observation:	--	Received By:	Nirima
Monitoring Method:	IS: 5182 (Part 14): 2000 & (Part 5): 1975	Collection Date:	07/07/2020
Applicable Standard:	NAAQS: 2009	Collection Time:	15:40
		Collected By:	Mayur

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	64.76	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	25.25	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	13.68	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	15.34	80

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

Note:

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End of Report





TEST REPORT
(AMBIENT AIR QUALITY)
ULR:TC727920000001751F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20211395
Location:	Vill: Panelav, P.O. Tajpura, Tal: Haldol, Dist: Panchmahal	Report Date:	20/07/2020
Authorised Person:	Mr. Kalpesh Paderia	Analysis Date:	10/07/2020
Station:	Near Plant 7	Analysed By:	G M Desai
Sampling Duration:	24 hours	Receipt Date:	08/07/2020
Field Observation:	--	Receipt Time:	18:10
Monitoring Method:	IS: 5182 (Part 14): 2000 & (Part 5): 1975	Received By:	Nilima
Applicable Standard:	NAAQS: 2009	Collection Date:	07/07/2020
		Collection Time:	18:05
		Collected By:	Mayur

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	66.04	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	26.98	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	14.16	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	16.91	80

Remarks:

1. BDL- Below Detectable Limit, DL- Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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End of Report

**Prakruti Environmental Engineers**

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TEST REPORT
(AMBIENT AIR QUALITY)
 ULR: TC727920000001752F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20211396
Location:	Vil: Panchmahal, P.O. Talpura, Tal: Halol, Dist: Panchmahal	Report Date:	20/07/2020
		Analysis Date:	10/07/2020
		Analysed By:	G M Desai
Authorised Person:	Mr. Kalpesh Padaria	Receipt Date:	08/07/2020
Station:	Near Main Gate	Receipt Time:	18:10
Sampling Duration:	24 hours	Received By:	Nilima
Field Observation:	--	Collection Date:	07/07/2020
Monitoring Method:	IS: 5182 (Part 14): 2000 & (Part 5): 1975	Collection Time:	15:30
Applicable Standard:	NAAQS: 2009	Collected By:	Mayur

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	56.61	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	21.47	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	10.98	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	13.43	80

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab In-charge)

Authorized Signatory: Krishna Desai (Partner)

Note:

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**TEST REPORT
(AMBIENT AIR QUALITY)
ULR:TC727920000002161F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20212259
Location:	Vill: Panelav, P.O. Talpura, Tal: Halol, Dist: Panchmahal	Report Date:	26/08/2020
		Analysis Date:	20/08/2020
Authorised Person:	Mr. Kaipesh Padaria	Analysed By:	G M Desai
Station:	Near Main Gate	Receipt Date:	18/08/2020
Sampling Duration:	24 hours	Receipt Time:	18:30
Field Observation:	--	Received By:	Vimal
Monitoring Method:	IS: 5182 (Part 14): 2000 & (Part 5): 1975	Collection Date:	17/08/2020
Applicable Standard:	NAAQS: 2009	Collection Time:	11:20
		Collected By:	Satyendra

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	49.21	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	18.49	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	9.89	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 8): 2006	11.15	80

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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End of Report





TEST REPORT
(AMBIENT AIR QUALITY)
ULR:TC727920000002162F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20212260
Location:	VII, Patelav, P.O. Talpura, Tal: Halol, Dist. Panchmahal	Report Date:	26/08/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	20/08/2020
Station:	Near Plant 7	Analysed By:	G M Desai
Sampling Duration:	24 hours	Receipt Date:	18/08/2020
Field Observation:	--	Receipt Time:	18:30
Monitoring Method:	IS: 5182 (Part 14): 2000 & (Part 5): 1975	Received By:	Vimal
Applicable Standard:	NAAQS: 2009	Collection Date:	17/08/2020
		Collection Time:	11:30
		Collected By:	Mayur

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	61.37	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	23.27	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	12.34	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	13.67	80

Remarks:

1. BDL: Below Detectable Limit. DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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TEST REPORT
(AMBIENT AIR QUALITY)
 ULR:TC72792000002163F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20212261
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	26/08/2020
		Analysis Date:	20/08/2020
		Analysed By:	G M Desai
Authorised Person:	Mr. Kelpesh Padana	Receipt Date:	18/08/2020
Station:	Near Incinerator Plant	Receipt Time:	18:30
Sampling Duration:	24 hours	Received By:	Vimal
Field Observation:	--	Collection Date:	17/08/2020
Monitoring Method:	IS: 5182 (Part 14): 2000 & (Part 5): 1975	Collection Time:	11:20
Applicable Standard:	NAAQS: 2009	Collected By:	Satyendra

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	51.77	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	19.68	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	10.75	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	12.41	80

Remarks:

1. BDL: Below Detectable Limit. DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

Note:

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End of Report





**TEST REPORT
(AMBIENT AIR QUALITY)
ULR:TC727920000002164F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20212282
Location:	VIII: Panelav, P.O. Talpura, Tal: Halol, Dist: Panchmahal	Report Date:	28/08/2020
		Analysis Date:	20/08/2020
		Analysed By:	G M Desai
Authorised Person:	Mr. Kalpesh Padaria	Receipt Date:	18/08/2020
Station:	Near Plant 8	Receipt Time:	18:30
Sampling Duration:	24 hours	Received By:	Vimal
Field Observation:	--	Collection Date:	17/08/2020
Monitoring Method:	IS: 5182 (Part 14): 2000 & (Part 5): 1975	Collection Time:	12:00
Applicable Standard:	NAAQS: 2009	Collected By:	Mayur

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	48.73	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	17.61	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	9.13	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	10.43	80

Remarks:

1. BDL: Below Detectable Limit. DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

Note:

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End of Report





TEST REPORT
(AMBIENT AIR QUALITY)
ULR:TC727920000002165F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20212263
Location:	Vill: Panchdev, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	26/08/2020
		Analysis Date:	20/08/2020
		Analysed By:	G M Desai
Authorised Person:	Mr. Kalpesh Padaria	Receipt Date:	18/08/2020
Station:	Utility Area	Receipt Time:	18:30
Sampling Duration:	24 hours	Received By:	Vimal
Field Observation:	--	Collection Date:	17/08/2020
Monitoring Method:	IS: 5182 (Part 14): 2000 & (Part 5): 1975	Collection Time:	11:50
Applicable Standard:	NAAQS: 2009	Collected By:	Satyendra

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	53.24	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	21.50	80
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	11.35	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	12.97	80

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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End of Report





PRAKRUTI

**TEST REPORT
(AMBIENT AIR QUALITY)
ULR:TC72792000002416F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20212770
Location:	VII: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	17/09/2020
		Analysis Date:	11/09/2020
		Analysed By:	G M Desai
Authorised Person:	Mr. Kalpesh Padaria	Receipt Date:	10/09/2020
Station:	Near Main Gate	Receipt Time:	18:50
Sampling Duration:	24 hours	Received By:	Vimal
Field Observation:	—	Collection Date:	09/09/2020
Monitoring Method:	IS: 5182 (Part 14): 2000 & (Part 5): 1975	Collection Time:	11:00
Applicable Standard:	NAQS: 2009	Collected By:	Satyendra

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	58.68	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	27.90	80
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	14.04	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2005	14.89	80

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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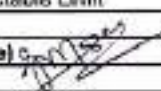

**TEST REPORT
(AMBIENT AIR QUALITY)
ULR:TC727920000002417F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20212771
Location:	Vill: Panchdev, P.O. Talpura, Tal: Halol, Dist: Panchmahal	Report Date:	17/09/2020
Authorized Person:	Mr. Kalpesh Paderia	Analysis Date:	11/09/2020
Station:	Near Plant 7	Analysed By:	G M Desai
Sampling Duration:	24 hours	Receipt Date:	10/09/2020
Field Observation:	--	Receipt Time:	18:50
Monitoring Method:	IS: 5182 (Part 14): 2000 & (Part 5): 1975	Received By:	Vinod
Applicable Standard:	NAAQS: 2009	Collection Date:	09/09/2020
		Collection Time:	12:55
		Collected By:	Mayur

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	65.29	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	29.48	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	15.70	60
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	17.37	60

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)  Authorized Signatory: Krishna Desai (Partner) 

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PRAKRUTI

**TEST REPORT
(AMBIENT AIR QUALITY)
ULR:TC727920000002418F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20212772
Location:	VII. Pandav, P.O. Tajpura, Tal: Halol, Dist. Panchmahal	Report Date:	17/09/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	11/09/2020
Station:	Near Incinerator Plant	Analysed By:	G M Desai
Sampling Duration:	24 hours	Receipt Date:	10/09/2020
Field Observation:	--	Receipt Time:	18:50
Monitoring Method:	IS: 5182 (Part 14): 2000 & (Part 5): 1975	Received By:	Vimal
Applicable Standard:	NAAQS: 2009	Collection Date:	09/09/2020
		Collection Time:	12:30
		Collected By:	Mayur

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	55.85	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	24.18	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	13.73	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	14.10	80

Remarks:

1. BDL: Below Detectable Limit. DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

Note:

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**TEST REPORT
(AMBIENT AIR QUALITY)
ULR:TC727920000002419F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20212773
Location:	VIII, Panelav, P.O. Talpura, Tal: Halol, Dist: Panchmahal	Report Date:	17/06/2020
Authorised Person:	Mr. Kalpesh Paderia	Analysis Date:	11/06/2020
Station:	Near Plant B	Analysed By:	G. M. Desai
Sampling Duration:	24 hours	Receipt Date:	10/06/2020
Field Observation:	--	Receipt Time:	18:50
Monitoring Method:	IS: 5182 (Part 14): 2000 & (Part 5): 1975	Received By:	Vimal
Applicable Standard:	NAQS: 2009	Collection Date:	09/06/2020
		Collection Time:	12:45
		Collected By:	Satyendra

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	51.79	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	20.68	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	12.61	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	13.83	80

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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TEST REPORT
(AMBIENT AIR QUALITY)
ULR:TC727920000002420F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20212774
Location:	Vill: Panolav, P.O. Talpura, Tal: Halol, Dist: Panchmahal	Report Date:	17/09/2020
Authorized Person:	Mr. Kalpesh Padaria	Analysis Date:	11/09/2020
Station:	Utility Area	Analysed By:	G M Desai
Sampling Duration:	24 hours	Receipt Date:	10/09/2020
Field Observation:	--	Receipt Time:	18:50
Monitoring Method:	IS: 5182 (Part 14): 2000 & (Part 5): 1975	Received By:	Vimal
Applicable Standard:	NAQS: 2009	Collection Date:	09/09/2020
		Collection Time:	12:55
		Collected By:	Satyendra

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	62.55	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	27.93	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	11.95	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	12.94	80

Remarks:
 1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge) Authorized Signatory: Krishna Desai (Partner)

Note:
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End of Report





TEST REPORT
(AMBIENT AIR QUALITY)
ULR:TC727920000002783F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20213520
Location:	Vil: Panetar, P.O. Tapura, Tal: Halol, Dist: Panchmahal	Report Date:	29/10/2020
		Analysis Date:	22/10/2020
		Analysed By:	G M Desai
Authorised Person:	Mr. Kalpesh Padaria	Receipt Date:	21/10/2020
Station:	Near Main Gate	Receipt Time:	18:30
Sampling Duration:	24 hours	Received By:	Vimal
Field Observation:	—	Collection Date:	20/10/2020
Monitoring Method:	IS: 5182 (Part 14): 2000 & (Part 5): 1975	Collection Time:	13:25
Applicable Standard:	NAAQS: 2009	Collected By:	Kiran

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	58.83	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	23.24	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	11.06	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	11.33	80

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

Note:

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End of Report**Prakruti Environmental Engineers**

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TEST REPORT
(AMBIENT AIR QUALITY)
ULR: TC727920000002784F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20213521
Location:	VII: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	29/10/2020
		Analysis Date:	22/10/2020
		Analysed By:	G M Desai
Authorised Person:	Mr. Kalpesh Padaria	Receipt Date:	21/10/2020
Station:	Near Plant 7	Receipt Time:	18:30
Sampling Duration:	24 hours	Received By:	Vimal
Field Observation:	—	Collection Date:	20/10/2020
Monitoring Method:	IS: 5182 (Part 14): 2000 & (Part 5): 1975	Collection Time:	12:45
Applicable Standard:	NAAQS: 2009	Collected By:	Kiran

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	53.37	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	20.80	50
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	10.41	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	9.30	80

Remarks:
 1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge) **Authorized Signatory:** Krishna Desai (Partner)

Note:
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End of Report





TEST REPORT
(AMBIENT AIR QUALITY)
 ULR:TC727920000002785F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20213522
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	29/10/2020
Authorised Person:	Mr. Kalpesh Padania	Analysis Date:	22/10/2020
Station:	Near Incinerator Plant	Analysed By:	G M Desai
Sampling Duration:	24 hours	Receipt Date:	21/10/2020
Field Observation:	-	Receipt Time:	18:30
Monitoring Method:	IS: 5182 (Part 14): 2000 & (Part 5): 1975	Received By:	Vimal
Applicable Standard:	NAAQS, 2009	Collection Date:	20/10/2020
		Collection Time:	12:00
		Collected By:	Kiran

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	61.37	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	24.44	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	12.28	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 8): 2006	14.06	80

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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End of Report





TEST REPORT
(AMBIENT AIR QUALITY)
ULR:TC72792000002786F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20213523
Location:	Vill: Panelav, P.O. Talpura, Tal: Halol, Dist: Panchmahal	Report Date:	29/10/2020
		Analysis Date:	22/10/2020
Authorized Person:	Mr. Kalpesh Padaria	Analysed By:	G M Desai
Station:	Near Plant 8	Receipt Date:	21/10/2020
Sampling Duration:	24 hours	Receipt Time:	18:30
Field Observation:	--	Received By:	Vimal
Monitoring Method:	IS: 5182 (Part 14): 2000 & (Part 5): 1975	Collection Date:	20/10/2020
Applicable Standard:	NAAQS: 2009	Collection Time:	12:15
		Collected By:	Kiran

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	70.57	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	28.94	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	13.90	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	15.84	80

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

Note:

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End of Report





TEST REPORT
(AMBIENT AIR QUALITY)
ULR: TC72792000002787F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20213524
Location:	VII: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	29/10/2020
		Analysis Date:	22/10/2020
Authorised Person:	Mr. Kalpesh Paderia	Analysed By:	G M Desai
Station:	Utility Area	Receipt Date:	21/10/2020
Sampling Duration:	24 hours	Receipt Time:	18:30
Field Observation:	--	Received By:	Vimal
Monitoring Method:	IS: 5182 (Part 14): 2000 & (Part 5): 1975	Collection Date:	20/10/2020
Applicable Standard:	NAAQS: 2009	Collection Time:	13:00
		Collected By:	Kiran

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	63.83	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	27.46	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	13.37	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	15.14	80

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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End of Report





TEST REPORT
(AMBIENT AIR QUALITY)
ULR:TC727920000003126F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214148
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	20/11/2020
Authorized Person:	Mr. Kalpesh Padaria	Analysis Date:	12/11/2020
Station:	Near Main Gate	Analysed By:	G M Desai
Sampling Duration:	24 hours	Receipt Date:	11/11/2020
Field Observation:	--	Receipt Time:	17:50
Monitoring Method:	IS: 5182 (Part 14): 2000 & (Part 5): 1975	Received By:	Vimal
Applicable Standard:	NAAQS: 2009	Collection Date:	10/11/2020
		Collection Time:	12:05
		Collected By:	Mayur

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	57.42	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	24.68	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	12.23	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	15.24	80

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: Binal Shah (Quality Manager)

Authorized Signatory: Krishna Desai (Partner)

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TEST REPORT
(AMBIENT AIR QUALITY)
ULR: TC727920000003127F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214149
Location:	Viii: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	20/11/2020
Authorized Person:	Mr. Kalpesh Padaria	Analysis Date:	12/11/2020
Station:	Near Plant 7	Analysed By:	G M Desai
Sampling Duration:	24 hours	Receipt Date:	11/11/2020
Field Observation:	---	Receipt Time:	17:50
Monitoring Method:	IS: 5182 (Part 14): 2000 & (Part 5): 1975	Received By:	Vimal
Applicable Standard:	NAAQS: 2009	Collection Date:	10/11/2020
		Collection Time:	11:45
		Collected By:	Mayur

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	55.42	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	22.68	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	11.74	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	14.86	80

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: Binal Shah (Quality Manager)

Authorized Signatory: Krishna Desai (Partner)

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TEST REPORT
(AMBIENT AIR QUALITY)
ULR:TC727920000003128F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214150
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	20/11/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	12/11/2020
Station:	Near Incinerator Plant	Analysed By:	G M Desai
Sampling Duration:	24 hours	Receipt Date:	11/11/2020
Field Observation:	---	Receipt Time:	17:50
Monitoring Method:	IS: 5182 (Part 14): 2000 & (Part 5): 1975	Received By:	Vimal
Applicable Standard:	NAAQS: 2009	Collection Date:	10/11/2020
		Collection Time:	11:10
		Collected By:	Mayur

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	62.58	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	25.46	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	14.53	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	16.87	80

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: Binal Shah (Quality Manager)

Authorized Signatory: Krishna Desai (Partner)

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TEST REPORT
(AMBIENT AIR QUALITY)
ULR:TC727920000003129F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214151
Location:	Vill: Panelav, P.O. Talpura, Tal: Halol, Dist: Panchmahal	Report Date:	20/11/2020
Authorized Person:	Mr. Kalpesh Padaria	Analysis Date:	12/11/2020
Station:	Near Plant 8	Analysed By:	G M Desai
Sampling Duration:	24 hours	Receipt Date:	11/11/2020
Field Observation:	—	Receipt Time:	17:50
Monitoring Method:	IS: 5182 (Part 14): 2000 & (Part 5): 1975	Received By:	Vimal
Applicable Standard:	NAAQS: 2009	Collection Date:	10/11/2020
		Collection Time:	11:20
		Collected By:	Mayur

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	88.41	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	27.98	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	13.41	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	16.87	80

Remarks:

1. BDL: Below Detectable Limit. DL: Detectable Limit

Checked By: Bina Shah (Quality Manager)

Authorized Signatory: Krishna Desai (Partner)

Note:

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**TEST REPORT
(AMBIENT AIR QUALITY)
ULR:TC727920000003130F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214152
Location:	VIII: Panetarav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	20/11/2020
Authorized Person:	Mr. Kalpesh Padaria	Analysis Date:	12/11/2020
Station:	Utility Area	Analysed By:	G M Desai
Sampling Duration:	24 hours	Receipt Date:	11/11/2020
Field Observation:	--	Receipt Time:	17:50
Monitoring Method:	IS: 5182 (Part 14): 2000 & (Part 5): 1975	Received By:	Vimal
Applicable Standard:	NAAQS: 2009	Collection Date:	10/11/2020
		Collection Time:	11:30
		Collected By:	Mayur

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µgm ³	IS: 5182 (Part 23): 2006	63.47	100
2	Particulate Matter (as PM _{2.5})	µgm ³	IS: 5182 (Part 24): 2019	26.84	60
3	Sulphur Dioxide (as SO ₂)	µgm ³	IS: 5182 (Part 2): 2001	12.76	80
4	Oxides of Nitrogen (as NO ₂)	µgm ³	IS: 5182 (Part 6): 2006	16.83	80

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: Binal Shah (Quality Manager)

Authorized Signatory: Krishna Desai (Partner)

Note:

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PRAKRUTI

**TEST REPORT
(AMBIENT AIR QUALITY)
ULR:TC727920000003405F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214780
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	18/12/2020
		Analysis Date:	11/12/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysed By:	G M Desai
Station:	Near Main Gate	Receipt Date:	10/12/2020
Sampling Duration:	24 hours	Receipt Time:	18:05
Field Observation:	--	Received By:	Vimal
Monitoring Method:	IS: 5182 (Part 14): 2000 & (Part 5): 1975	Collection Date:	09/12/2020
Applicable Standard:	NAAQS: 2009	Collection Time:	14:25
		Collected By:	Mayur

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	89.56	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	29.82	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	15.82	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	14.34	80

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

Note:

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End of Report





TEST REPORT
(AMBIENT AIR QUALITY)
ULR:TC727920000003406F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214781
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	18/12/2020
Authorized Person:	Mr. Kalpesh Padaria	Analysis Date:	11/12/2020
Station:	Near Plant 7	Analysed By:	G M Desai
Sampling Duration:	24 hours	Receipt Date:	10/12/2020
Field Observation:	--	Receipt Time:	18:05
Monitoring Method:	IS: 5182 (Part 14): 2000 & (Part 5): 1975	Received By:	Vimal
Applicable Standard:	NAAQS: 2009	Collection Date:	09/12/2020
		Collection Time:	14:10
		Collected By:	Mayur

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	58.55	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	23.32	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	13.55	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2005	13.82	80

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

Note:

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- Measurement Uncertainty is not mentioned in the test report and the same can be communicated to the customer on request.

End of Report**Prakruti Environmental Engineers**

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PRAKRUTI

**TEST REPORT
(AMBIENT AIR QUALITY)
ULR:TC727920000003407F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214782
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	18/12/2020
		Analysis Date:	11/12/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysed By:	G M Desai
Station:	Near Incinerator Plant	Receipt Date:	10/12/2020
Sampling Duration:	24 hours	Receipt Time:	18:05
Field Observation:	--	Received By:	Vimal
Monitoring Method:	IS: 5182 (Part 14): 2000 & (Part 5): 1975	Collection Date:	09/12/2020
Applicable Standard:	NAAQS: 2009	Collection Time:	13:25
		Collected By:	Mayur

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	72.38	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	31.83	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	18.10	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	15.78	80

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

Note:

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TEST REPORT
(AMBIENT AIR QUALITY)
ULR:TC727920000003408F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214783
Location:	Vill. Panelav, P.O. Talpura, Tal: Haldol, Dist: Panchmahal	Report Date:	18/12/2020
		Analysis Date:	11/12/2020
		Analysed By:	G M Desai
Authorised Person:	Mr. Kalpesh Padaria	Receipt Date:	10/12/2020
Station:	Near Plant B	Receipt Time:	18:05
Sampling Duration:	24 hours	Received By:	Vimal
Field Observation:	—	Collection Date:	09/12/2020
Monitoring Method:	IS: 5182 (Part 14): 2000 & (Part 5): 1975	Collection Time:	13:40
Applicable Standard:	NAAQS: 2009	Collected By:	Mayur

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	65.38	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	28.12	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	14.72	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	14.10	80

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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TEST REPORT
(AMBIENT AIR QUALITY)
ULR:TC727920000003409F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214784
Location:	Vill: Panchajay, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	18/12/2020
		Analysis Date:	11/12/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysed By:	G M Desai
Station:	Utility Area	Receipt Date:	10/12/2020
Sampling Duration:	24 hours	Receipt Time:	18:05
Field Observation:	---	Received By:	Vimal
Monitoring Method:	IS: 5182 (Part 14): 2000 & (Part 5): 1975	Collection Date:	09/12/2020
Applicable Standard:	NAAQS: 2009	Collection Time:	13:55
		Collected By:	Mayat

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2008	63.70	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	27.69	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	14.52	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	13.94	80

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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ANNEXURE 2: Analysis reports of RO Permeate



TEST REPORT
(WATER AND WASTE WATER)
ULR:TC72792000001741F

CHEMICAL TESTING: POLLUTION AND ENVIRONMENT

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20211384
Location:	Vill: Pandelav, P.O. Talpura, Tal: Halol, Dist: Pandhwarhal	Report Date:	20/07/2020
Authorized Person:	Mr. Kailash Padaria	Analysis Date:	10/07/2020
Sample Description:	Treated Industrial Effluent	Analysed By:	Pippa Vaidya
Sampling Point:	ETP - RO Permeate	Receipt Date:	09/07/2020
Sample Type:	Grab	Receipt Time:	16:10
Field Observation:	pH: 7.0 Temperature: 28°C	Received By:	Nilima
Sampling Method:	IS: 3025 (Part 1): 1987	Collection Date:	09/07/2020
Applicable Standard:	--	Collection Time:	16:15
		Collected By:	Satyendra

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	pH	-	APHA 4500-H ⁺ B: 2017	7.01	6.5 - 8.5
2	Temperature	°C	APHA 2120 C: 2017	29.00	40
3	Total Dissolved Solids	mg/L	APHA 2540 C: 2017	32.00	2100
4	Total Suspended Solids	mg/L	APHA 2540 D: 2017	8.00	100
5	Biochemical Oxygen Demand (3d at 27 °C as BOD)	mg/L	IS: 3025 (Part 44): 1993	BDL (DL: 5.0)	30
6	Chemical Oxygen Demand (as COD)	mg/L	APHA 5220 B: 2017	BDL (DL: 5.0)	100
7	Oil and Grease (as O&G)	mg/L	APHA 5220 B: 2017	BDL (DL: 1.0)	10
8	Chloride (as Cl ⁻)	mg/L	APHA 4500-Cl ⁻ B: 2017	8.00	800
9	Fluoride (as F ⁻)	mg/L	APHA 4500-F ⁻ D: 2017	BDL (DL: 0.1)	1.5
10	Nitrogen (Ammonia as NH ₃ -N)	mg/L	APHA 4500-NH ₃ C: 2017	BDL (DL: 5.0)	50
11	Sulfide (as S ²⁻)	mg/L	APHA 4500-S ₂ ⁻ F: 2017	BDL (DL: 0.2)	2
12	Sulfate (as SO ₄ ²⁻)	mg/L	APHA 4500-SO ₄ ²⁻ E: 2017	1.50	1000
13	Phenol	mg/L	APHA 5530 D: 2017	BDL (DL: 0.2)	1

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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TEST REPORT
(WATER AND WASTE WATER)
ULR:TC727920000002158F
CHEMICAL TESTING: POLLUTION AND ENVIRONMENT

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20212251
Location:	Vill: Panelav, P. O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	26/08/2020
Authorized Person:	Mr. Kalpesh Padaria	Analysis Date:	19/08/2020
Sample Description:	Treated Industrial Effluent	Analysed By:	Ripple Vaidya
Sampling Point:	ETP - RO Permeate	Receipt Date:	18/08/2020
Sample Type:	Grab	Receipt Time:	18:30
Field Observation:	pH: 8.4 Temperature: 29°C	Received By:	Nilima
Sampling Method:	IS: 3025 (Part 1): 1987	Collection Date:	18/08/2020
Applicable Standard:	—	Collection Time:	16:10
		Collected By:	Satyendra

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	pH	-	APHA 4500 H ⁺ B: 2017	8.40	6.5 - 8.5
2	Temperature	°C	APHA 2120 C: 2017	29.00	40
3	Total Dissolved Solids	mg/L	APHA 2540 C: 2017	68.00	2100
4	Total Suspended Solids	mg/L	APHA 2540 D: 2017	BDL (DL: 5.0)	100
5	Biochemical Oxygen Demand (3d at 27 °C as BOD)	mg/L	IS: 3025 (Part 44): 1993	BDL (DL: 4.0)	30
6	Chemical Oxygen Demand (as COD)	mg/L	APHA 5220 B: 2017	BDL (DL: 4.0)	100
7	Oil and Grease (as O&G)	mg/L	APHA 5220 B: 2017	BDL (DL: 1.0)	10
8	Chloride (as Cl)	mg/L	APHA 4500-Cl B: 2017	20.00	800
9	Fluoride (as F)	mg/L	APHA 4500-F D: 2017	0.40	1.5
10	Nitrogen (Ammonia as NH ₃ -N)	mg/L	APHA 4500-NH ₃ C: 2017	12.60	50
11	Sulfide (as S ²⁻)	mg/L	APHA 4500-S ₂ F: 2017	BDL (DL: 0.2)	2
12	Sulfate (as SO ₄ ²⁻)	mg/L	APHA 4500-SO ₄ ²⁻ E: 2017	16.00	1000
13	Phenol	mg/L	APHA 5530 D: 2017	BDL (DL: 0.2)	1

Remarks:
 1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge) Authorized Signatory: Krishna Desai (Partner)

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PRAKRUTI

TEST REPORT (WATER AND WASTE WATER)

ULR:TC727920000002409F

CHEMICAL TESTING: POLLUTION AND ENVIRONMENT

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20212758
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	17/09/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	11/09/2020
Sample Description:	Treated Industrial Effluent	Analysed By:	Ripple
Sampling Point:	ETP - RO Permeate	Receipt Date:	10/09/2020
Sample Type:	Grab	Receipt Time:	18:50
Field Observation:	pH: 8.4 Temperature: 29°C	Received By:	Vimal
Sampling Method:	IS: 3025 (Part 1): 1987	Collection Date:	10/09/2020
Applicable Standard:	--	Collection Time:	15:55
		Collected By:	Satyendra

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	pH	-	APHA 4500 H ⁺ B: 2017	8.40	6.5 - 8.5
2	Temperature	°C	APHA 2120 C: 2017	29.00	40
3	Total Dissolved Solids	mg/L	APHA 2540 C: 2017	126.00	2100
4	Total Suspended Solids	mg/L	APHA 2540 D: 2017	BDL (DL: 5.0)	100
5	Biochemical Oxygen Demand (3d at 27 °C as BOD)	mg/L	IS: 3025 (Part 44): 1983	BDL (DL: 4.0)	30
6	Chemical Oxygen Demand (as COD)	mg/L	APHA 5220 B: 2017	BDL (DL: 4.0)	100
7	Oil and Grease (as O&G)	mg/L	APHA 5220 B: 2017	BDL (DL: 1.0)	10
8	Chloride (as Cl ⁻)	mg/L	APHA 4500-Cl ⁻ B: 2017	75.00	600
9	Fluoride (as F ⁻)	mg/L	APHA 4500-F ⁻ D: 2017	0.65	1.5
10	Nitrogen (Ammonia as NH ₃ -N)	mg/L	APHA 4500-NH ₃ C: 2017	19.60	50
11	Sulfide (as S ²⁻)	mg/L	APHA 4500-S ₂ ⁻ F: 2017	BDL (DL: 0.2)	2
12	Sulfate (as SO ₄ ²⁻)	mg/L	APHA 4500-SO ₄ ²⁻ D: 2017	155.00	1000
13	Phenol	mg/L	APHA 5530 D: 2017	BDL (DL: 0.2)	1

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

Note:

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TEST REPORT
(WATER AND WASTE WATER)
ULR:TC72792000002776F

CHEMICAL TESTING: POLLUTION AND ENVIRONMENT

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20213508
Location:	Vill: Panelav, P.O. Tajpura, Tal: Hariol, Dist. Panchmahal	Report Date:	29/10/2020
Authorized Person:	Mr. Kalpesh Padaria	Analysis Date:	22/10/2020
Sample Description:	Treated Industrial Effluent	Analysed By:	S R Raj
Sampling Point:	ETP - RO Permeate	Receipt Date:	21/10/2020
Sample Type:	Grab	Receipt Time:	18:30
Field Observation:	pH: 9 Temperature: 29°C	Received By:	Vimal
Sampling Method:	IS: 3025 (Part 1): 1987	Collection Date:	21/10/2020
Applicable Standard:	--	Collection Time:	14:30
		Collected By:	Kiran

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	pH	-	APHA 4500 H ⁺ B: 2017	7.46	6.5 - 8.5
2	Total Dissolved Solids	mg/L	APHA 2540 C: 2017	151.00	2100
3	Total Suspended Solids	mg/L	APHA 2540 D: 2017	BDL (DL: 5.0)	100
4	Biochemical Oxygen Demand (3d at 27 °C as BOD)	mg/L	IS: 3025 (Part 4): 1993	BDL (DL: 4.0)	30
5	Chemical Oxygen Demand (as COD)	mg/L	APHA 5220 B: 2017	BDL (DL: 4.0)	100
6	Oil and Grease (as O&G)	mg/L	APHA 5220 B: 2017	BDL (DL: 1.0)	10
7	Chloride (as Cl ⁻)	mg/L	APHA 4500-Cl ⁻ B: 2017	49.98	500
8	Fluoride (as F ⁻)	mg/L	APHA 4500-F D: 2017	0.58	1.5
9	Nitrogen (Ammonia as NH ₃ -N)	mg/L	APHA 4500-NH ₃ C: 2017	38.08	50
10	Sulfide (as S ²⁻)	mg/L	APHA 4500-S ₂ ⁻ F: 2017	BDL (DL: 0.2)	2
11	Sulfate (as SO ₄ ²⁻)	mg/L	APHA 4500-SO ₄ ²⁻ D: 2017	58.00	1000
12	Phenol	mg/L	APHA 5530 D: 2017	BDL (DL: 0.2)	1

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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TEST REPORT
(WATER AND WASTE WATER)
 ULR:TC72792000003119F
CHEMICAL TESTING: POLLUTION AND ENVIRONMENT

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214140
Location:	VII; Panelav, P.O. Talpura, Tal: Halol, Dist: Panchmahal	Report Date:	20/11/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	12/11/2020
Sample Description:	Treated Industrial Effluent	Analysed By:	Ripple
Sampling Point:	ETP - RO Permeate	Receipt Date:	11/11/2020
Sample Type:	Grab	Receipt Time:	17:50
Field Observation:	pH: 7 Temperature: 28°C	Received By:	Vimal
Sampling Method:	IS: 3025 (Part 1): 1987	Collection Date:	11/11/2020
Applicable Standard:	--	Collection Time:	10:25
		Collected By:	Satyendra

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	pH	-	APHA 4500 H ⁺ B: 2017	7.18	6.5 - 8.5
2	Total Dissolved Solids	mg/L	APHA 2540 C: 2017	8.00	2100
3	Total Suspended Solids	mg/L	APHA 2540 D: 2017	BDL (DL: 5.0)	100
4	Biochemical Oxygen Demand (3d at 27 °C as BOD)	mg/L	IS: 3025 (Part 44): 1993	4.00	30
5	Chemical Oxygen Demand (as COD)	mg/L	APHA 5220 B: 2017	15.00	100
6	Oil and Grease (as O&G)	mg/L	APHA 5220 B: 2017	BDL (DL: 1.0)	10
7	Chloride (as Cl ⁻)	mg/L	APHA 4500-Cl ⁻ B: 2017	20.00	600
8	Fluoride (as F ⁻)	mg/L	APHA 4500-F D: 2017	0.25	1.5
9	Nitrogen (Ammonia as NH ₃ -N)	mg/L	APHA 4500-NH ₃ C: 2017	BDL (DL: 5.0)	50
10	Sulfide (as S ²⁻)	mg/L	APHA 4500-S ₂ F: 2017	BDL (DL: 0.2)	2
11	Sulfate (as SO ₄ ²⁻)	mg/L	APHA 4500-SO ₄ ²⁻ E: 2017	5.00	1000
12	Phenol	mg/L	APHA 5530 D: 2017	BDL (DL: 0.2)	1

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: Binal Shah (Quality Manager)

Authorized Signatory: Krishna Desai (Partner)

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TEST REPORT
(WATER AND WASTE WATER)
ULR:TC72792000003397F
CHEMICAL TESTING: POLLUTION AND ENVIRONMENT

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214772
Location:	VII: Panelav, P.O. Tajpura, Tal: Hali,	Report Date:	18/12/2020
	Dist: Panchmahal	Analysis Date:	11/12/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysed By:	S R Raj
Sample Description:	Treated Industrial Effluent	Receipt Date:	10/12/2020
Sampling Point:	ETP - RO Permeate	Receipt Time:	18:05
Sample Type:	Grab	Received By:	Vimal
Field Observation:	pH: 8-7 Temperature: 28°C	Collection Date:	10/12/2020
Sampling Method:	IS: 3025 (Part 1): 1987	Collection Time:	11:30
Applicable Standard:	-	Collected By:	Mayur

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	pH	-	APHA 4500 H ⁺ B: 2017	6.58	6.5 - 8.5
2	Total Dissolved Solids	mg/L	APHA 2540 C: 2017	7.00	2100
3	Total Suspended Solids	mg/L	APHA 2540 D: 2017	BDL (DL: 5.0)	100
4	Biochemical Oxygen Demand (3d at 27 °C as BOD)	mg/L	IS: 3025 (Part 44): 1993	BDL (DL: 4.0)	30
5	Chemical Oxygen Demand (as COD)	mg/L	APHA 5220 B: 2017	BDL (DL: 4.0)	100
6	Oil and Grease (as O&G)	mg/L	APHA 5220 B: 2017	BDL (DL: 1.0)	10
7	Chloride (as Cl ⁻)	mg/L	APHA 4500-Cl ⁻ B: 2017	22.49	600
8	Fluoride (as F ⁻)	mg/L	APHA 4500-F ⁻ D: 2017	0.45	1.5
9	Nitrogen (Ammonia as NH ₃ -N)	mg/L	APHA 4500-NH ₃ C: 2017	BDL (DL: 5.0)	50
10	Sulfide (as S ²⁻)	mg/L	APHA 4500-S ₂ ⁻ F: 2017	BDL (DL: 0.2)	2
11	Sulfate (as SO ₄ ²⁻)	mg/L	APHA 4500-SO ₄ ²⁻ E: 2017	5.50	1000
12	Phenol	mg/L	APHA 5530 D: 2017	BDL (DL: 0.2)	1

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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6. Measurement Uncertainty is not mentioned in the test report and the same can be communicated to the customer on request.

End of Report

**Prakruti Environmental Engineers**

PRAKRUTI 3rd & 4th Floor, Next to Sansawani Distributory Canal,
 On Bli Road, Village Bli, Vadodara - 391 410, Gujarat, India
 Contact No.: +91 265 2356171, 9429873456, 9409100037, 9409100067, 9409100073
 Email: info@prakruti.co.in • Web: www.prakruti.co.in

ANNEXURE 3: PESO Certificate


 भारत सरकार
 Government of India
 वाणिज्य और उद्योग मंत्रालय
 Ministry of Commerce & Industry
 पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पेसो)
 Petroleum & Explosives Safety Organisation (PESO)
 आठवीं मंजिल, यश कान्त भवन, सायजीगुंज
 बड़ोदरा - 390020
 8th Floor, Yash Kant Building, Sayajigunj,
 Vadodara - 390020

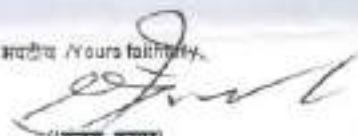
E-mail : dyoccebaroda@explosives.gov.in
 Phone/Fax No : 0265 - 2225155

संख्या /No.: PIHQ/GJ/15/1399 (P10955) दिनांक /Dated : 05/12/2017
 सेवा में /To:
 M/s. Alembic Pharmaceuticals Limited (APIP-1),
 API, Unit 1,
 Village Panelav, Near Baska,
 Taluka Halol,
 District: PANCHMAHALS,
 State: Gujarat
 PIN: 389350

06 DEC 2017

विषय /Sub: Plot No. S.R. No. 119, 120 & 121, NA, Village Panelav, Taluka Halol, District: PANCH MAHAL, State: Gujarat, PIN: 389350
 में स्थित विद्यमान पेट्रोलियम वर्ग A अस्थापना में अनुमति सं P/HQ/GJ/15/1399 (P10955) के नवीकरण के संदर्भ में ।
 Existing Petroleum Class A Installation at Plot No. S.R. No. 119, 120 & 121, NA, Village Panelav, Taluka Halol, District: PANCH MAHAL, State: Gujarat, PIN: 389350 - Licence No. PIHQ/GJ/15/1399 (P10955) - Renewal regarding.

महोदय /Sir
 (s),
 कृपया आपके पत्र क्रमांक NIL दिनांक 15/11/2017 का अवलोकन करें ।
 Please refer to your letter No.: NIL, dated 15/11/2017
 अनुमति संख्या PIHQ/GJ/15/1399 (P10955) दिनांक 22/08/2012 को दिनांक 31/12/2022 तक नवीनीकृत कर इस पत्र के साथ अवधित की जा रही है ।
 Licence No. PIHQ/GJ/15/1399 (P10955) dated 22/08/2012 is forwarded herewith duly renewed upto 31/12/2022.
 कृपया पेट्रोलियम नियम 2002 के अधीन बलाव राय नियम 148 में दी गई प्रक्रिया का पट्टाई से पालन करें । अनुमति के नवीकरण हेतु सम्बन्धित दस्तावेजों को अनुमति की वैधता समाप्त होने की तिथि से कम से कम 30 दिन पूर्व कार्यालय को प्रेषित करें ।
 Please follow the procedure strictly as laid down in rule 148 of the Petroleum Rules, 2002 and submit complete documents for the Renewal of the licence so as to reach this office on or before the date on which Licence expires.
 कृपया वापसी दें।
 Please acknowledge the receipt.

भवदीय /Yours faithfully,

 ((संजय कुमार)
 (Sanjay Kumar)
 विस्फोटक नियंत्रक
 Controller of Explosives
 कृते उप मुख्य विस्फोटक नियंत्रक
 For Dy. Chief Controller of Explosives
 बड़ोदरा/Vadodara

(अधिक जानकारी जैसे आवेदन की स्थिति, शुल्क तथा अन्य विवरण के लिए हमारी वेबसाइट : <http://peso.gov.in> देखें)
 (For more information regarding status, fees and other details please visit our website: <http://peso.gov.in>)

Print

पेज सं. 2

अनुमति संख्या-(Licence No.) P/HQ/GJ/15/1399 (P10955)

नवीनीकरण के पृष्ठान्त के लिए स्थान
SPACE FOR ENDORSEMENT OF RENEWALS



पेट्रोलियम अधिनियम, 1934 के उपबन्धों या उनके अधीन बनाए गए नियमों या इस अनुमति की शर्तों का उल्लंघन न होने की दशा में यह अनुमति किस में बिना किसी छूट के दस वर्ष तक नवीकृत की जा सकेगी।

This licence shall be renewable without any concession in fee for ten years in the absence of contravention of any provisions of the Petroleum Act, 1934 or of the rules framed thereunder or of any of the conditions of this licence.

नवीकरण की तारीख
Date of Renewal

समाप्ति की तारीख
Date of Expiry of licence

अनुमति का हस्ताक्षर और
स्टाम्प
Signature and office stamp of the
licencing authority

1).	14/11/2005	31/12/2008	Sd/-
2).	18/11/2008	31/12/2011	Sd/- Dr. Anuj Kumar
3).	08/12/2011	31/12/2014	Sd/- D.C.PANDEY
4).	10/12/2014	31/12/2017	Sd/- Bibhas Chandra Sadhukhan Dy. Controller of Explosives For Dy. Chief Controller of Explosives Vadodra
5).	05/12/2017	31/12/2022	Sanjay Kumar Controller of Explosives For Dy. Chief Controller of Explosives Vadodra उप मुख्य विस्फोटक नियंत्रक, वडोदरा Dy. Chief Controller of Explosives, Vadodra

यदि अनुमति परिसर इसमें उपाख्य विवरण और शर्तों के अनुसार नहीं पाए जाते हैं और जिन नियमों और शर्तों के अधीन यह अनुमति मंजूर की गई है उनमें से किसी का उल्लंघन होने की दशा में यह अनुमति रद्द की जा सकती है और अनुमतिधारी परानुपराध के लिए साधारण कारावास से, जो एक मास तक हो सकता है, या जुर्माने से, जो एक हजार रुपये तक हो सकता है, या दोनों से, और प्रत्येक पश्चातवर्ती अपराध के लिए साधारण कारावास से जो तीन मास तक हो सकता है, या जुर्माने से, जो पांच हजार रुपये तक हो सकता है, या दोनों से, दण्डनीय होगा।

This licence is liable to be cancelled if the licensed premises are not found conforming to the description given on the approved plan attached hereto and contravention of any of the rules and conditions under which this licence is granted and the holder of this licence is also punishable for the first offence with simple imprisonment which may be extend to one month, or with fine which may extend to one thousand rupees, or with both and for every subsequent offence with simple imprisonment which may extend to three months, or with fine which may extend to five thousand rupees or with both.

Print

प्रारूप XV
(प्रथम अनुसूची का अनुच्छेद 6 देखिए)
FORM XV
(see Article 6 of the First Schedule)

अभिजागरणी में पेट्रोलियम के आयात और भण्डारण के लिए अनुमति
LICENCE TO IMPORT AND STORE PETROLEUM IN AN INSTALLATION



अनुमति नं. (Licence No.) : P/HQ/GJ/15/1399(P10955)

फीस/वर्षा (Fee per year) : 5000/- per year

M/s. Alembic Pharmaceuticals Limited (APIP-1), API, Unit 1, Village Panelav, Near Baska, Taluka Halol, District: PANCHMAHALS, State: Gujarat, PIN: 389350 को केवल इसमें दया विनिर्दिष्ट वर्ग और मात्राओं में पेट्रोलियम 370.00 KL आयात करने के लिए और उसका नीचे वर्णित और अनुमोदित मन्ता संख्या P/HQ/GJ/15/1399(P10955) तारीख 22/08/2012 जो कि इससे उपबद्ध है, में दिखाया गया स्थान पर भण्डारण के लिए पेट्रोलियम अभिजागरणी, 1934 के उपबंधों या उसके अधीन बनाए गए नियमों तथा इस अनुमति की अतिरिक्त शर्तों के अधीन रहते हुए यह अनुमति अनुद्धत की जाती है।

Licence is hereby granted to M/s. Alembic Pharmaceuticals Limited (APIP-1), API, Unit 1, Village Panelav, Near Baska, Taluka Halol, District: PANCHMAHALS, State: Gujarat, PIN: 389350 valid only for the importation and storage of 370.00 KL Petroleum of the class and quantities as herein specified and storage thereof in the place described below and shown on the approved plan No P/HQ/GJ/15/1399(P10955) dated 22/08/2012 attached hereto subject to the provisions of the Petroleum Act, 1934 and the rule made thereunder and to the further conditions of this Licence.

यह अनुमति 31st day of December, 2022 तक प्रवृत्त रहेगी।
The Licence shall remain in force till the 31st day of December, 2022

पेट्रोलियम का विवरण /Description of Petroleum

अनुमति मात्रा (किलोलीटरों में) /Quantity
licensed in KL

वर्ग A प्रचुर पेट्रोलियम /Petroleum Class A in bulk	370.00 KL
वर्ग A प्रचुर पेट्रोलियम से अलग /Petroleum Class A, otherwise than in bulk	NIL
वर्ग B प्रचुर पेट्रोलियम /Petroleum Class B in bulk	NIL
वर्ग B प्रचुर पेट्रोलियम से अलग /Petroleum Class B, otherwise than in bulk	NIL
वर्ग C प्रचुर पेट्रोलियम /Petroleum Class C in bulk	NIL
वर्ग C प्रचुर पेट्रोलियम से अलग /Petroleum Class C, otherwise than in bulk	NIL

कुल क्षमता /Total Capacity

370.00 KL

October 22, 1997

Chief Controller of Explosives

- 1). Amendment dated - 23/11/2006
- 2). Amendment dated - 18/03/2008
- 3). Amendment dated - 22/08/2012

अनुमति परिसरों का विवरण और अवस्थान
DESCRIPTION AND LOCATION OF THE LICENSED PREMISES

अनुमति परिसर जिसकी विन्यास सीमाएं अन्य विनिर्दिष्ट संलग्न अनुमोदित नक्शों में दिखाई गई हैं Plot No: S.R. No. 119, 120 & 121, NA, Village Panelav, Taluka Halol, District: PANCH MAHAL, State: Gujarat, PIN: 389350 स्थान पर अवस्थित है तथा उसमें निम्नलिखित Twelve aboveground Petroleum Class A storage tanks together with connected facilities. सम्मिलित हैं।

The licensed premises, the layout, boundaries and other particulars of which are shown in the attached approved plan are situated at Plot No: S.R. No. 119, 120 & 121, NA, Village Panelav, Taluka Halol, District: PANCH MAHAL, State: Gujarat, PIN: 389350 and consists of Twelve aboveground Petroleum Class A storage tanks together with connected facilities, together with connected facilities.

ANNEXURE 4: SRP Details

HTA Calculation of Condensers & Heat Exchangers-SRP 02

Eq.ID	Capacity		Connec ted to	Dia	Heig ht	Primary Condenser			Secondary Condenser			Tertiary Condenser			Product Cooler		
			Eq. ID	mm	m	Type	HTA = m²	Utility	Type	HTA = m²	Utility	Type	HTA = m²	Utility	Type	HTA = m²	Utility
RE-065	5	KL	CL-005	700	15	S&T	30	CW	S&T	4	CHW	-	-	-	S&T	2	CHW
RE-116	6.3	KL	CL-010	500	16	S&T	16	CW	S&T	12	CHW	S&T	6	CHB	S&T	2	CHW
HE-346	18	m²	CL-010	500	16	S&T	16	CW	Co rrugate d	12	CHW	S&T	6	CHB	S&T	2	CHW
HE-135	25	m²	CL-006	690	11	S&T	33	CW	Co rrugate d	16	CHW	Co rrugate d	2	CHW	-	-	-
HE-150	25	m²	CL-007	590	11	S&T	22	CW	Co rrugate d	16	CW	Co rrugate d	7.5	CHW	S&T	4	CW
RE-099	5	KL	CL-008	590	8	S&T	20	CW	S&T	8	CW	-	-	-	S&T	-	-
RE-185	5	KL	-	-	-	Co rrugate d	18	CW	Co rrugate d	4	CHW	-	-	-	Co rrugate d	4	CHW

HTA Calculation of Condensers & Heat Exchangers-SRP 03

Eq.ID	Capacity		Connected to	Dia	Height	Primary Condenser			Secondary Condenser			Tertiary Condenser			Product Cooler		
			Eq. ID	mm	m	Type	HTA = m ²	Utility	Type	HTA = m ²	Utility	Type	HTA = m ²	Utility	Type	HTA = m ²	Utility
RE-115	3	KL	-	-	-	S&T	12	CW	S&T	4	CHW	-	-	-	-	-	CHW
RE-064	5	KL	CL-004	600	13	S&T	25	CW	S&T	4	CHW	-	-	-	S&T	2	CHW
RE-136	5	KL	CL-009	500	15	Corrugated	12	CW/CHW	Corrugated	4	CHW	-	-	-	Corrugated	2	CHW
HE-071	5	KL	CL-001	500	15	S&T	30	CW/CHW	S&T	4	CHW	-	-	-	S&T	2	CHW
RE-186	5	KL	CL-15	500	16	Box Type	40	CW	Box Type	12	CHW	-	-	-	-	-	-
RE-197	5	KL	-	-	-	Corrugated	16	CW/CHW	Corrugated	4	CHW	-	-	-	-	-	-

SRP: Solvent Recovery Plant

CL: Distillation Column

RE: Reactor

HE : Heat Exchanger

CW : Cooling water

CHW : Chilled water

CHB : Brine water

HTA : Heat Transfer Area

S&T: Shell & Tube

Condensers details of Solvent Recovery-SRP 02

Equipment Details		Condensers Data						Safety Precautions
		Primary Condenser		Secondary Condenser		Tertiary Condenser	Product cooler	
Equipment Tag No.	Capacity (KL)	Utility	Utility	Utility	Utility	Utility	Utility	(BV/FA)
		I	II	I	II			
RE-065	5.0 KL	CT.W	CH.W	CH.W	CH.BR	----	CH.W	(BV)
RE-099	5.0 KL	CT.W	CH.W	CH.W	CH.BR	----	---	(BV)
RE-116	6.0 KL	CT.W	CH.W	CT.W	----	CH.BR	CT.W	(BV)
CL-006	-----	CT.W	----	CT.W	----	CH.W	CH.W	(BV)
CL-007	-----	CT.W	----	CT.W	----	CH.W	CH.W	(BV)
MSD	-----	CT.W	----	CH.W	----	CH.W	CH.W	(BV/FA)

Condensers details of Solvent Recovery-SRP03

Equipment Details		Condensers Data						Safety Precautions
		Primary Condenser		Secondary Condenser		Tertiary Condenser	Product cooler	
Equipment Tag No.	Capacity (KL)	Utility	Utility	Utility	Utility	Utility	Utility	(BV/FA)
		I	II	I	II			
RE-064	5.0 KL	CT.W	----	CH.W	----	----	CH.W	F/A
RE-115	3.0 KL	CT.W	CH.W	CH.W	CH.BR	----	CH.W	F/A
RE-136	5.0 KL	CT.W	CH.W	CH.W	CH.BR	----	CT.W	F/A
RE-186	5.0 KL	CT.W	----	CH.W	----	----	CH.W	(BV/FA)
RE-197	5.0 KL	CT.W	CH.W	CH.W	CH.BR	----	CH.W	(BV/FA)
HE-071	5.0 KL	CT.W	----	CH.W	----	----	CH.W	F/A

ANNEXURE 5: Safety Related Data

Flame proof fittings



Safety Valve & rupture disc



Vacuum Charging



Close transferring of Solvent



List of Emergency Appliances

#	Plant / Dept.	DCP /ABC Type Fire Extinguishers Cap in Kgs				CO2 Type Fire Extinguishers, Cap., in Kgs					F O A M		H E L O.		Total	F.H. Point s (Valv e)	N o z z l e	Foam Monito r	Sand Buck et	Safety Show er	Foam Trolle y With ARFF F Foam in Ltr.	SCB A Sets	Spi ll Kit	Ammoni a Cylinder leakage Kit
		2	5 or 6	1 0	5 0 or 7 5	3	4.5	6. 8	9	22. 5	9	5 0	2	5										
1	Mainnagate-1&2 / ADM	0	3	0	0	1	4	0	0	0	1	0	0	0	9	1	1	0	0	0	0	0	0	0
2	OHC Building	0	0	0	0	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	0	0
3	Ware House	0	11	2	0	1	13	0	0	0	0	0	0	0	27	6	6	0	0	1	0	1	0	0
5	CCOE Tank Yard	0	5	0	2	0	0	0	0	0	0	0	0	0	7	1	0	4	5	1	800	0	1	0
6	S.R.Tower - 03	0	7	0	0	0	7	0	0	0	1	3	0	0	18	4	4	0	3	2	100	1	1	0
7	Staff Canteen	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0
8	Micro Lab	0	0	0	0	2	1	0	0	0	0	0	0	0	3	1	1	0	0	0	0	0	0	0
9	Q.C. Old	0	0	0	0	5	1	0	0	0	0	0	0	0	6	0	0	0	0	1	0	0	1	0
10	Q.C. New	0	5	0	0	8	6	0	0	0	0	0	0	0	19	0	0	0	0	1	0	0	0	0
11	Q.A.	0	0	0	0	7	2	0	0	0	0	0	0	0	9	1	0	0	0	0	0	0	0	0
12	Plant - 01(MCC Room)	0	0	0	0	0	2	0	1	0	0	0	0	0	3	1	1	0	0	0	0	0	0	0
13	Plant - 01(A-Block)	0	14	0	1	10	5	1	0	0	0	0	0	0	31	2	3	0	3	2	0	1	1	0
14	Plant - 01(B-Block)	0	11	0	2	6	2	1	0	0	0	0	0	0	22	2	3	0	3	2	0	0	1	0
15	Plant - 01(C-Block)	0	4	0	0	1	2	0	0	0	0	0	0	0	7	1	1	0	0	1	0	0	1	0
16	Plant - 01(D-Block)	0	2	0	0	0	10	1	0	0	1	0	0	0	14	1	0	0	0	0	0	0	0	0
17	Plant - 04	0	1	0	0	3	6	0	0	0	0	0	0	0	10	1	0	0	0	1	0	0	0	0
18	Plant - 06(B)	0	0	0	0	0	6	0	1	1	0	0	0	0	8	0	0	0	0	2	0	0	0	0
19	Plant - 06	0	0	0	0	0	6	0	0	0	0	0	0	0	6	1	0	0	0	2	0	0	0	0
20	Plant - 06(A)	0	4	0	0	0	6	0	0	0	0	0	0	0	10	1	1	0	0	0	0	0	0	0
21	Hazardous Material Storage	0	1	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
22	Thermic Fluid Heater	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0
23	Pilot Plant	0	4	0	0	4	2	0	0	0	0	0	0	0	10	1	1	1	0	2	200	1	1	0

#	Plant / Dept.	DCP /ABC Type Fire Extinguishers Cap in Kgs				CO2 Type Fire Extinguishers, Cap., in Kgs				F O A M		H E L O.		Total	F.H. Point s (Valv	N o z z	Foam Monito r	Sand Buck et	Safety Show er	Foam Trolle y With	SCB A Sets	Spi ll Kit	Ammoni a Cylinder leakage
24	Plant - 03	0	14	0	0	12	9	1	0	0	0	0	0	36	8	7	0	0	2	200	1	2	0
25	Boiler House	0	0	0	0	0	4	0	0	0	0	0	0	4	3	2	0	0	0	0	0	0	0
26	Gas Cylind.Yard	0	4	0	0	0	0	0	0	0	0	0	0	4	1	1	0	0	1	0	1	0	0
27	ETP / INC.	0	4	0	1	1	11	0	0	0	0	0	0	17	2	1	2	3	1	200	0	0	0
28	Plant - 05	0	19	6	1	3	11	11	0	0	0	0	0	51	3	4	0	3	3	0	0	3	1
29	Plant - 05A	0	3	0	0	0	11	0	0	0	0	0	0	14	3	0	0	0	2	200	1	1	0
30	Liq. Ware House	0	5	0	0	0	1	0	0	0	1	2	0	9	1	1	0	0	3	200	1	1	0
31	Liq. Ware House -2 & Drum storage	0	4	0	1	0	5	0	0	0	0	0	0	10	0	0	1	0	1	200	0	1	0
32	Pump house	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
33	Utility / Electrical	0	17	0	0	0	5	1	0	4	0	0	0	27	4	4	0	14	1	0	0	0	0
34	Engg. Office & Store	0	2	0	0	0	2	0	0	0	0	0	0	4	2	1	0	0	0	0	0	0	0
35	Engg. Fabrication Area	0	0	0	0	0	2	0	0	0	0	1	0	3	0	0	0	0	0	0	0	0	0
36	S.R.Tower - 02(New)	0	3	0	1	0	7	0	0	0	0	0	0	11	9	4	0	3	2	200	0	0	0
37	SRTower - 02(Old)	0	8	0	2	0	0	0	0	0	0	0	0	10	3	5	1	0	1	0	0	1	0
38	Plant - 02	0	13	0	0	14	3	3	0	0	0	0	0	33	4	2	0	3	2	0	0	1	0
39	Plant - 02A	0	7	0	1	4	2	0	1	0	3	0	1	19	3	3	0	0	2	0	1	1	0
40	Plant-2B	0	22	0	0	0	17	0	0	0	0	0	0	39	5	5	0	1	4	1	1	3	0
40	Stripper	0	13	0	0	0	9	0	0	0	0	0	0	22	4	4	0	0	1	1	0	0	0
40	Plant - 07	0	13	0	3	10	15	0	0	0	0	4	0	45	7	7	2	0	5	600	1	2	1
41	Plant - 08	0	21	0	1	3	14	0	0	2	3	3	0	47	11	11	2	3	7	600	1	3	0
42	Plant - 08A	0	5	0	0	0	12	0	0	1	2	0	0	20	5	4	0	0	2	0	0	0	0
43	Spare Item	0	10	0	5	13	15	2	1	1	1 8	0	0	65	0	0	0	0	0	2180	0	0	0
TOTAL		0	25 9	8	2 1	11 1	23 9	21	4	9	3 0	1 3	1 0	71 6	104	89	15	44	58	5682	13	26	2
		288				384				43		1	0	71 6									

List of Sprinkler

#	Location	Area	Sprinkler No.																
1	SRP - 03 Tank Farm Area	PT - 270	S -1	S -2	S -3	S -4	S -5												
		Remark																	
		PT - 269	S -1	S -2	S -3	S -4	S -5												
		Remark																	
		PT - 268	S -1	S -2	S -3	S -4	S -5	S -6											
		Remark																	
		PT - 211	S -1	S -2	S -3	S -4													
		Remark																	
		PT - 189	S -1	S -2	S -3	S -4													
		Remark																	
		ST - 043	S -1	S -2	S -3	S -4													
		Remark																	
		ST - 197	S -1	S -2	S -3	S -4	S -5												
		Remark																	
		PT - 188	S -1	S -2	S -3	S -4													
		Remark																	
		ST - 139	S -1	S -2	S -3	S -4	S -5												
		Remark																	
		ST - 140	S -1	S -2	S -3	S -4	S -5	S -6											
		Remark																	
		ST - 141	S -1	S -2	S -3	S -4	S -5	S -6											
		Remark																	
		ST - 196	S -1	S -2	S -3	S -4	S -5	S -6											
		Remark																	
		PT - 220	S -1	S -2	S -3	S -4	S -5	S -6											
2	Gas Cylinder Storage Yard (Warehouse)	N2 Cylinder Storage Area	S -1	S -2	S -3	S -4	S -5	S -6	S -7	S -8	S -9								
		Remark																	
		NH3 Cylinder Storage Area	S -1	S -2	S -3	S -4	S -5	S -6	S -7										

#	Location	Area	Sprinkler No.																
		H2/Skid Storage Area	S -1	S -2	S -3	S -4	S -5	S -6	S -7	S -8	S -9	S -10	S -11	S -12	S -13	S -14	S -15	S -16	
			S -17	S -18	S -19	S -20	S -21	S -22	S -23	S -24	S -25	S -26	S -27	S -28	S -29	S -30	S -31	S -32	
3	Boiler	Coal Storage Area	S -1	S -2	S -3	S -4	S -5	S -6	S -7	S -8	S -9	S -10	S -11	S -12	S -13	S -14	S -15	S -16	
		Biomass Storage Area	S -1	S -2	S -3	S -4	S -5	S -6	S -7	S -8	S -9	S -10	S -11	S -12	S -13	S -14	S -15	S -16	
4	Plant - 03	NH3 PRV Station	S -1	S -2	S -3	S -4													
5	Plant - 06A	N2 / H2 Storage Stand	S -1	S -2	S -3	S -4	S -5												
		NH3 PRV Station	S -1	S -2	S -3	S -4													
		N2 Storage Stand	S -1	S -2	S -3														
6	Plant - 06	PRV Station	S -1	S -2															
7	Plant - 06B	NH3 PRV Station	S -1	S -2	S -3	S -4													
		N2 / H2 Storage Stand & PRV Station	S -1	S -2	S -3	S -4	S -5	S -6											
8	Plant - 7	NH3 Cylinder PRV	S -1	S -2	S -3	S -4													
		NH3 Cylinder Storage Area	S -1	S -2	S -3	S -4	S -5	S -6	S -7	S -8	S -9	S -10	S -11						
		H2 Skid Storage Area	S -1	S -2	S -3	S -4	S -5	S -6	S -7	S -8	S -9	S -10	S -11	S -12	S -13	S -14	S -15	S -16	
			S -17	S -18															

Chemical Compatibility Chart

[illegible]

HAZARDOUS CHEMICAL INCOMPATIBILITY LIST		
RGN	RGN REACTIVITY GROUP	INCOMPATIBLE WITH
1	Acids mineral non-oxidizing	4-15, 17- 26, 28, 30-34, 101-107
2	Acids mineral oxidizing	3-34, 101-103, 105-107
3	Acids organic	2, 4-5, 7-8, 10-12, 15, 18, 21, 22, 24-26, 33-34, 102-105, 107
4	Alcohols & glycols	1-3, 8, 18, 21, 25, 30, 34, 104- 105, 107
5	Aldehydes	1-3, 7-8, 10, 12, 21, 25, 27-28, 30, 33-34, 104-105,107
6	Amides	1-2, 21, 24, 104-105, 107
7	Amines, aliphatic & aromatic	1-3, 5, 12, 17-18, 21, 24, 30, 34, 104-105, 107
8	Azo compounds, diazo compounds & hydrazines	1-5, 9, 11-13, 17- 23, 25, 30-34,102-107
10	Caustics	1-3, 5, 9, 13, 17-19, 21-22, 24-27, 32, 34, 102-103, 107
11	Cyanides	1-3, 8, 17-19, 21, 25, 30, 34, 103- 104, 107
12	Dithiocarbamates	1-3, 5, 7-8, 18, 21, 25, 30, 34, 103-105, 107
13	Esters	1-2, 8, 10, 21, 25, 102, 104-105,107
14	Ethers	1-2, 104, 107
15	Fluorides inorganic	1-3, 107
16	Hydrocarbons aromatic	2, 104, 107
17	Halogenated organics	1-2, 7-8, 10-11, 20-23, 25, 30, 104-105, 107
19	Ketones	1-2, 8, 10-11, 20-21, 25, 30, 104- 105, 107
21	Metals, alkali and alkaline	1-13, 17-20, 25-27, 30-32, 34, 101-104, 106-107
22	Metals, other elemental alloys as powders, vapors or sponges	1-3, 8-10, 17-18, 20, 28, 30, 34,102-104, 106-107
23	Metals, other elemental & alloys as sheets, rods, drops or moldings	1-2, 8, 17, 102-104, 107
24	Metal & metal compounds, toxic	1-3, 6-7, 10, 26, 30, 34, 102-103,106-107
25	Nitrides	1-5, 8-13, 17-21, 26-27, 30, 31, 34, 101-104, 106-107
26	Nitriles	1-3, 10, 21, 24-25, 30, 104-105,107
27	Nitro compounds organic	2, 5, 10, 21, 25, 104-105, 107
28	Hydrocarbons, aliphatic, unsaturated	1-2, 5, 22, 30, 104, 107
29	Hydrocarbons, aliphatic saturated	2, 104, 107
30	Peroxides & hydroperoxides organic	1-2, 4-5, 7-9, 11-12, 17-22, 24-26, 28, 31-34, 101-105, 107
31	Phenols & Cresols	1-2, 8, 18, 21, 25, 30, 34, 102- 105, 107
32	Organophosphates, phos- phothioates, phosphodi	1-2, 8, 10, 21, 30, 34, 104-105,107
33	Sulfides inorganic	1-3, 5, 8, 18, 30, 34, 102-104, 106-107

HAZARDOUS CHEMICAL INCOMPATIBILITY LIST		
RGN	RGN REACTIVITY GROUP	INCOMPATIBLE WITH
34	Epoxides	1-5, 7-8, 10-12, 20-22, 24-25, 30- 33, 102, 104-105, 107
101	Combustible & flammable materials, misc.	1-2, 21, 25, 30, 102, 104-105, 107
102	Explosives	1-3, 8, 10, 13, 21-25, 30-31, 33- 34, 101, 103-105, 107
103	Polymerizable compounds	1-3, 8, 10-12, 21-25, 30-31, 33, 102, 104-105, 107
104	Oxidizing agents, strong	1, 3-9, 11-14, 16-23, 25-34, 101- 103, 105, 107
105	Reducing agents, strong	1-8, 12-13, 17-20, 26, 31-32, 34, 101-104, 106-107
106	Water & mixtures containg water	1-2, 8, 18, 21, 22, 24-25, 33, 105, 107
107	Water reactive chemicals	ALL

Training Data

Safety Training Programmes - At A Glance 2020-21								
Sr. No		Date of Training Programme				Total		
Sr. No	Month	From	To	Programme	Subjects Cover	Participant	Training Hours	Program
275	July	7/1/2020	7/1/2020	General Safety	Tool Box Talk	47	23.5	1
276	July	7/1/2020	7/1/2020	General Safety	Height/Hot Work Safety	32	16	1
277	July	7/2/2020	7/2/2020	General Safety	Height,hot Gas Cutting & WeldingWork	7	3.5	1
278	July	7/2/2020	7/2/2020	General Safety	Hot Work Safety	31	15.5	1
279	July	7/2/2020	7/2/2020	General Safety	Welding,Cutting,Rigging	9	2.25	1
280	July	7/2/2020	7/2/2020	General Safety	Work At Height	4	1	1
281	July	7/2/2020	7/2/2020	General Safety	Height& Hot	32	16	1
282	July	7/2/2020	7/2/2020	General Safety	Tool Box Talk	41	20.5	1
283	July	7/2/2020	7/2/2020	General Safety	Hot Work safety	37	18.5	1
284	July	7/3/2020	7/3/2020	General Safety	Induction Training	7	7	1
285	July	7/3/2020	7/3/2020	General Safety	Tool Box Talk	44	22	1
286	July	7/3/2020	7/3/2020	General Safety	Height,hot Gas Cutting & WeldingWork	9	4.5	1
287	July	7/3/2020	7/3/2020	General Safety	Rigging& Height Work	30	15	1
288	July	7/3/2020	7/3/2020	General Safety	Height& Hot	28	14	1

Sr. No	Month	From	To	Programme	Subjects Cover	Participant	Training Hours	Program
289	July	7/3/2020	7/3/2020	General Safety	Welding/Cutting/Rigging	18	9	1
290	July	7/3/2020	7/3/2020	General Safety	Rigging& Height Work	39	19.5	1
291	July	7/4/2020	7/4/2020	General Safety	Induction Training	25	12.5	1
292	July	7/4/2020	7/4/2020	General Safety	Height Work Safety	29	14.5	1
293	July	7/4/2020	7/4/2020	General Safety	Height Work Safety	41	20.5	1
294	July	7/4/2020	7/4/2020	General Safety	Work At Height	6	1.5	1
295	July	7/4/2020	7/4/2020	General Safety	Safety Talk& Height	45	22.5	1
296	July	7/4/2020	7/4/2020	General Safety	Height,hot Gas Cutting & WeldingWork	9	4.5	1
297	July	7/6/2020	7/6/2020	General Safety	Induction Training	9	4.5	1

Sr. No	Month	From	To	Programme	Subjects Cover	Participant	Training Hours	Program
298	July	7/6/2020	7/6/2020	General Safety	Hot ,Height & Constraction Safety	17	8.5	1
299	July	7/6/2020	7/6/2020	General Safety	Hot Work Safety	42	21	1
300	July	7/6/2020	7/6/2020	General Safety	Height & Hot	28	14	1
301	July	7/6/2020	7/6/2020	General Safety	Tool Box Talk	43	21.5	1
302	July	7/6/2020	7/6/2020	General Safety	Hot ,Height & Gas Cutting Weilding Safety	9	4.5	1
303	July	7/7/2020	7/7/2020	General Safety	Induction Training	11	11	1
304	July	7/7/2020	7/7/2020	General Safety	Hot Work Job Safety	8	4	1
305	July	7/7/2020	7/7/2020	General Safety	Electrical Hazards Safety	32	16	1
306	July	7/7/2020	7/7/2020	General Safety	Hot ,Height & Constraction Safety	5	2.5	1
307	July	7/7/2020	7/7/2020	General Safety	Welding,Cutting	8	4	1
308	July	7/7/2020	7/7/2020	General Safety	Welding,Cutting	20	5	1
309	July	7/7/2020	7/7/2020	General Safety	Hot Work Safety	25	12.5	1
310	July	7/7/2020	7/7/2020	General Safety	Tool Box Talk	27	13.5	1
311	July	7/8/2020	7/8/2020	General Safety	Induction Training	20	15	1
312	July	7/8/2020	7/8/2020	General Safety	Hot&Height Work	19	9.5	1
313	July	7/8/2020	7/8/2020	General Safety	Fire Extinguisher Training	20	8	1
314	July	7/8/2020	7/8/2020	General Safety	Induction Training	16	9.6	1
315	July	7/9/2020	7/9/2020	General Safety	General Safety Talk	41	20.5	1
316	July	7/9/2020	7/9/2020	General Safety	Height&Hot Work Safety	20	10	1

Sr. No	Month	From	To	Programme	Subjects Cover	Participant	Training Hours	Program
317	July	7/9/2020	7/9/2020	General Safety	Height Work Safety	39	19.5	1
318	July	7/9/2020	7/9/2020	General Safety	Constuction safety	7	3.5	1
319	July	7/10/2020	7/10/2020	General Safety	Induction Training	18	13.5	1
320	July	7/10/2020	7/10/2020	General Safety	Height&Hot Work Safety	20	10	1
321	July	7/10/2020	7/10/2020	General Safety	Hot Work & Height Work Safety	30	15	1
322	July	7/10/2020	7/10/2020	General Safety	Fire Extinguisher Operating Training	9	5.4	1
323	July	7/11/2020	7/11/2020	General Safety	Induction Training	9	4.5	1
324	July	7/11/2020	7/11/2020	General Safety	Hot Work & Height Work Safety	35	17.5	1
325	July	7/11/2020	7/11/2020	General Safety	Hot Work & Height Work Safety	19	9.5	1
326	July	7/11/2020	7/11/2020	General Safety	Work at Height	4	1	1
327	July	7/13/2020	7/13/2020	General Safety	Hot &Rigging Work	48	48	1
328	July	7/13/2020	7/13/2020	General Safety	Hot Work	8	4	1
329	July	7/13/2020	7/13/2020	General Safety	Hot Work & Height Work Safety	18	9	1
330	July	7/14/2020	7/14/2020	General Safety	Hot Work & Height Work Safety	20	20	1
331	July	7/14/2020	7/14/2020	General Safety	Hot Work	6	1.5	1
332	July	7/14/2020	7/14/2020	General Safety	Hot Work	30	15	1
333	July	7/14/2020	7/14/2020	General Safety	Welding Cutting & Rigging	18	4.5	1
334	July	7/15/2020	7/15/2020	General Safety	Height &Hot Work	16	4	1
335	July	7/15/2020	7/15/2020	General Safety	Welding & Cutting	34	17	1
336	July	7/15/2020	7/15/2020	General Safety	Welding & Cutting	18	4.5	1
337	July	7/16/2020	7/16/2020	General Safety	Induction Training	7	3.5	1
338	July	7/16/2020	7/16/2020	General Safety	Siling cutting work	6	1.5	1
339	July	7/16/2020	7/16/2020	General Safety	Hight Work	38	19	1

Sr. No	Month	From	To	Programme	Subjects Cover	Participant	Training Hours	Program
340	July	7/16/2020	7/16/2020	General Safety	Hight & Hot Work	21	10.5	1
341	July	7/16/2020	7/16/2020	General Safety	Welding & Cutting	20	5	1
342	July	7/16/2020	7/16/2020	General Safety	Height Work safety	31	15.5	1
343	July	7/16/2020	7/16/2020	General Safety	Hot Work Safety	6	1.5	1
344	July	7/16/2020	7/16/2020	General Safety	Height&Hot Work Safety	21	10.5	1
345	July	7/17/2020	7/17/2020	General Safety	Hot Work	34	17	1
346	July	7/17/2020	7/17/2020	General Safety	Welding & Cutting	18	4.5	1
347	July	7/17/2020	7/17/2020	General Safety	Induction Training	8	2	1
348	July	7/17/2020	7/17/2020	General Safety	Hight & Hot Work	21	10.5	1
349	July	7/17/2020	7/17/2020	General Safety	Induction Training	6	1.5	1
350	July	7/17/2020	7/17/2020	General Safety	Tool Box Talk	36	9	1
351	July	7/18/2020	7/18/2020	General Safety	Tool Box Talk	50	25	1
352	July	7/18/2020	7/18/2020	General Safety	Electrical Hazards Safety	10	5	1
353	July	7/18/2020	7/18/2020	General Safety	Work At Height Safety	21	12.6	1
354	July	7/18/2020	7/18/2020	General Safety	Hot Work	32	16	1
355	July	7/18/2020	7/18/2020	General Safety	Constuction safety	6	1.5	1
356	July	7/18/2020	7/18/2020	General Safety	Hight & Hot Work	16	4	1
357	July	7/18/2020	7/18/2020	General Safety	Hot Work	4	1	1
358	July	7/18/2020	7/18/2020	General Safety	Height & Electrical Safety	7	3.5	1
359	July	7/18/2020	7/18/2020	General Safety	Height & Electrical Safety	87	87	1
360	July	7/20/2020	7/20/2020	General Safety	Constuction safety	14	7	1
361	July	7/20/2020	7/20/2020	General Safety	Height & Hot Work	16	4	1

Sr. No	Month	From	To	Programme	Subjects Cover	Participant	Training Hours	Program
362	July	7/20/2020	7/20/2020	General Safety	Hot Work	38	19	1
363	July	7/20/2020	7/20/2020	General Safety	Constuction safety	10	5	1
364	July	7/20/2020	7/20/2020	General Safety	Hight & Hot Work	8	4	1
365	July	7/20/2020	7/20/2020	General Safety	Hight & Hot Work	92	92	1
366	July	7/20/2020	7/20/2020	General Safety	Hight & Hot Work	47	23.5	1
367	July	7/21/2020	7/21/2020	General Safety	Tool Box Talk	8	2	1
368	July	7/21/2020	7/21/2020	General Safety	General Safety Talk	9	4.5	1
369	July	7/21/2020	7/21/2020	General Safety	Constuction safety	4	1	1
370	July	7/21/2020	7/21/2020	General Safety	Height & Hot	14	3.5	1
371	July	7/21/2020	7/21/2020	General Safety	General Safety Talk	9	2.25	1
372	July	7/21/2020	7/21/2020	General Safety	Hot& Height Work Safety	46	23	1
373	July	7/22/2020	7/22/2020	General Safety	Hot work & House Keeping	10	5	1
374	July	7/22/2020	7/22/2020	General Safety	Hot work & House Keeping	9	4.5	1
375	July	7/22/2020	7/22/2020	General Safety	Height& Hot Work	15	3.75	1
376	July	7/22/2020	7/22/2020	General Safety	Constuction safety	4	1	1
377	July	7/22/2020	7/22/2020	General Safety	Hot Work	20	5	1
378	July	7/22/2020	7/22/2020	General Safety	Hot Work	44	22	1
379	July	7/23/2020	7/23/2020	General Safety	Height Work	9	4.5	1
380	July	7/23/2020	7/23/2020	General Safety	Hot Work	17	8.5	1
381	July	7/23/2020	7/23/2020	General Safety	Hot/Height Work	51	25.5	1
382	July	7/23/2020	7/23/2020	General Safety	Hot/Height Work	15	7.5	1
383	July	7/24/2020	7/24/2020	General Safety	Electrical Hazards Safety	9	4.5	1

Sr. No	Month	From	To	Programme	Subjects Cover	Participant	Training Hours	Program
384	July	7/24/2020	7/24/2020	General Safety	Height Work	3	0.75	1
385	July	7/24/2020	7/24/2020	General Safety	Height & Hot Work	20	10	1
386	July	7/27/2020	7/27/2020	General Safety	Electrical Hazards Safety	2	0.5	1
387	July	7/27/2020	7/27/2020	General Safety	Safety Talk& PPE	13	6.5	1
388	July	7/27/2020	7/27/2020	General Safety	Induction Training	10	2.5	1
389	July	7/27/2020	7/27/2020	General Safety	Hot Work	35	17.5	1
390	July	7/28/2020	7/28/2020	General Safety	Induction Training	11	2.75	1
391	July	7/28/2020	7/28/2020	General Safety	Induction Training	33	8.25	1
392	July	7/28/2020	7/28/2020	General Safety	Height Work	5	1.25	1
393	July	7/29/2020	7/29/2020	General Safety	Use PPE'S Safety	6	1.5	1
394	July	7/29/2020	7/29/2020	General Safety	Electrical Hazards Safety	12	6	1
395	July	7/29/2020	7/29/2020	General Safety	Hot Work	15	3.75	1
396	July	7/30/2020	7/30/2020	General Safety	Work at Height	17	8.5	1
397	July	7/30/2020	7/30/2020	General Safety	Hot Work	9	4.5	1
398	July	7/30/2020	7/30/2020	General Safety	General Safety Talk	12	6	1
399	July	7/31/2020	7/31/2020	General Safety	Hot Work	16	4	1
400	July	7/31/2020	7/31/2020	General Safety	Hot Work & Work at Height	2	1	1
401	August	8/1/2020	8/1/2020	General Safety	Hot Work Job	8	2	1
402	August	8/4/2020	8/4/2020	General Safety	Work at Height	9	4.5	1
403	August	8/4/2020	8/4/2020	General Safety	Hot Work Job	8	2	1
404	August	8/4/2020	8/4/2020	General Safety	Work at Height	6	1.5	1
405	August	8/4/2020	8/4/2020	General Safety	Work at Height	4	1	1

Sr. No	Month	From	To	Programme	Subjects Cover	Participant	Training Hours	Program
406	August	8/4/2020	8/4/2020	General Safety	Work at Height	24	12	1
407	August	8/5/2020	8/5/2020	General Safety	Work at Height	7	1.75	1
408	August	8/5/2020	8/5/2020	General Safety	Hot Work	12	3	1
409	August	8/5/2020	8/5/2020	General Safety	HotWork & Work at Height	48	24	1
410	August	8/5/2020	8/5/2020	General Safety	Electrical Hazards Safety	9	5.4	1
411	August	8/6/2020	8/6/2020	General Safety	HotWork & Work at Height	57	28.5	1
412	August	8/6/2020	8/6/2020	General Safety	Electrical Hazards Safety	12	7.2	1
413	August	8/6/2020	8/6/2020	General Safety	H2 skid Handling, Checks, Corret Methodology Of Fitting&Operating Tranning	17	17	2
414	August	8/6/2020	8/6/2020	General Safety	H2 skid Handling, Checks, Corret Methodology Of Fitting&Operating Tranning	4	4	1
415	August	8/6/2020	8/6/2020	General Safety	H2 skid Handling, Checks, Corret Methodology Of Fitting&Operating Tranning	20	20	1
416	August	8/7/2020	8/7/2020	General Safety	Use Of PPE'S Safety	9	5.4	1
417	August	8/7/2020	8/7/2020	General Safety	Induction Training	4	2	1
418	August	8/7/2020	8/7/2020	General Safety	Hot Work	56	28	1
419	August	8/7/2020	8/7/2020	General Safety	Work at Height&Use PPE	9	2.25	1
420	August	8/8/2020	8/8/2020	General Safety	House Keeping/Electical Hazards Safety	9	5.4	1
421	August	8/10/2020	8/10/2020	General Safety	Workat Height & Hot Work	8	4.8	1
422	August	8/10/2020	8/10/2020	General Safety	Workat Height & Use PPE	9	2.25	1
423	August	8/11/2020	8/11/2020	General Safety	Workat Height & Use PPE	8	2	1
424	August	8/12/2020	8/12/2020	General Safety	Hot Work	7	1.75	1
425	August	8/12/2020	8/12/2020	General Safety	Work at Height	3	0.75	1
426	August	8/12/2020	8/12/2020	General Safety	Workat Height & Use PPE	6	1.5	1

Sr. No	Month	From	To	Programme	Subjects Cover	Participant	Training Hours	Program
427	August	8/12/2020	8/12/2020	General Safety	Workat Height & Hot Work	7	3.5	1
428	August	8/12/2020	8/12/2020	General Safety	Workat Height & Hot Work	31	15.5	1
429	August	8/13/2020	8/13/2020	General Safety	Hot Work	13	1.56	1
430	August	8/13/2020	8/13/2020	General Safety	Work at Height	8	4	1
431	August	8/13/2020	8/13/2020	General Safety	Hot Work	6	1.5	1
432	August	8/13/2020	8/13/2020	General Safety	Workat Height & Use PPE	6	1.5	1
433	August	8/14/2020	8/14/2020	General Safety	Induction Training	7	3.5	1
434	August	8/14/2020	8/14/2020	General Safety	Use Of PPE's & Work At Height	8	4	1
435	August	8/17/2020	8/17/2020	General Safety	Use Of Electrical Safety Kit	11	2.75	1
436	August	8/17/2020	8/17/2020	General Safety	Use Of Confined Space Entry Kit	10	2.5	1
437	August	8/17/2020	8/17/2020	General Safety	Electrical Hazards Safety & Work at Height	62	62	1
438	August	8/18/2020	8/18/2020	General Safety	Use PPE'S & House Keeping	8	4	1
439	August	8/18/2020	8/18/2020	General Safety	Height,Hot Work&PPE'S safety	7	1.75	1
440	August	8/19/2020	8/19/2020	General Safety	Hot Work & Work at Height	8	4	1
441	August	8/19/2020	8/19/2020	General Safety	Hot Work & Work at Height	7	3.5	1
442	August	8/20/2020	8/20/2020	General Safety	Induction Training	5	2.5	1
443	August	8/20/2020	8/20/2020	General Safety	Emergency Preparndness	7	3.5	1
444	August	8/20/2020	8/20/2020	Chemical Safety	Handling Of Hazards Chemical	5	2.5	1
445	August	8/20/2020	8/20/2020	General Safety	Hot Work & Work at Height	19	9.5	1
446	August	8/20/2020	8/20/2020	General Safety	Work at Height	16	8	1
447	August	8/21/2020	8/21/2020	General Safety	Hot Work & Work at Height	7	3.5	1
448	August	8/21/2020	8/21/2020	General Safety	Hot Work	48	24	1
449	August	8/21/2020	8/21/2020	General Safety	General Safety Awarness & Work at Height	19	9.5	1
450	August	8/24/2020	8/24/2020	General Safety	Induction Training	14	7	1
451	August	8/24/2020	8/24/2020	Chemical Safety	Handling Of Hazards Chemical	5	5	1

Sr. No	Month	From	To	Programme	Subjects Cover	Participant	Training Hours	Program
452	August	8/24/2020	8/24/2020	General Safety	Induction Training	5	2.5	1
453	August	8/24/2020	8/24/2020	General Safety	Tool Box Talk	14	3.5	1
454	August	8/24/2020	8/24/2020	General Safety	Hight & Hot Work & Use PPE'S	9	4.5	1
455	August	8/24/2020	8/24/2020	General Safety	Hot Work	7	1.75	1
456	August	8/24/2020	8/24/2020	General Safety	Work Height Safety	57	28.5	1
457	August	8/25/2020	8/25/2020	General Safety	Induction Training	3	1.5	1
458	August	8/25/2020	8/25/2020	Chemical Safety	Handling Of Hazards Chemical	15	7.5	1
459	August	8/25/2020	8/25/2020	Chemical Safety	Handling Of Hazards Chemical	10	5	0
460	August	8/25/2020	8/25/2020	General Safety	construction site safety	25	12.5	1
461	August	8/25/2020	8/25/2020	General Safety	construction site safety	9	4.5	1
462	August	8/25/2020	8/25/2020	General Safety	construction site safety	3	1.5	1
463	August	8/26/2020	8/26/2020	General Safety	General Safety Awareness	25	25	1
464	August	8/26/2020	8/26/2020	General Safety	General Safety Awareness	18	23.4	1
465	August	8/26/2020	8/26/2020	General Safety	Handling Of Hazardous Chemicals	8	4	0
466	August	8/26/2020	8/26/2020	General Safety	construction site safety	62	62	1
467	August	8/26/2020	8/26/2020	General Safety	construction site safety	15	7.5	1
468	August	8/26/2020	8/26/2020	General Safety	hot work	7	3.5	1
469	August	8/26/2020	8/26/2020	General Safety	construction site safety	71	71	1
470	August	8/26/2020	8/26/2020	General Safety	construction site safety	5	2.5	1
471	August	8/26/2020	8/26/2020	General Safety	construction site safety	8	4	1
472	August	8/26/2020	8/26/2020	General Safety	Height work	12	6	1
473	August	8/26/2020	8/26/2020	General Safety	construction site safety	15	7.5	1
474	August	8/26/2020	8/26/2020	General Safety	construction site safety	71	71	1
	August	8/27/2020	8/27/2020	General Safety	Safe Handling Of Hazardous Chemicals			
475	August	8/27/2020	8/27/2020	General Safety	construction site safety	13	6.5	1

Sr. No	Month	From	To	Programme	Subjects Cover	Participant	Training Hours	Program
476	August	8/27/2020	8/27/2020	General Safety	construction site safety	11	5.5	1
477	August	8/27/2020	8/27/2020	General Safety	hot work	6	3	1
478	August	8/27/2020	8/27/2020	General Safety	hot work	53	53	1
479	August	8/6/2020	8/6/2020	General Safety	H2 skid Handling, Checks, Corret Methodology Of Fitting&Operating Tranning	4	4	0
480	August	8/6/2020	8/6/2020	General Safety	H2 skid Handling, Checks, Corret Methodology Of Fitting&Operating Tranning	20	20	0
481	August	8/6/2020	8/6/2020	General Safety	H2 skid Handling, Checks, Corret Methodology Of Fitting&Operating Tranning	17	17	0
482	August	8/27/2020	8/27/2020	General Safety	Safe Handling Of Hazardous Chemicals	9	4.5	1
483	Sep	9/1/2020	9/1/2020	General Safety	Induction Training	13	6.5	1
484	Sep	9/2/2020	9/2/2020	General Safety	Induction Training	10	5	1
485	Sep	9/3/2020	9/3/2020	General Safety	Induction Training	4	2	1
486	Sep	9/4/2020	9/4/2020	General Safety	Induction Training	5	2.5	1
487	Sep	9/5/2020	9/5/2020	General Safety	Induction Training	12	6	1
488	Sep	9/5/2020	9/5/2020	General Safety	Induction Training	20	10	1
489	Sep	9/5/2020	9/5/2020	General Safety	Induction Training	15	7.5	1
490	Sep	9/7/2020	9/7/2020	General Safety	Induction Training	29	29	1
491	Sep	9/7/2020	9/7/2020	General Safety	Induction Training	3	3	1
492	Sep	9/8/2020	9/7/2020	General Safety	Induction Training	30	15	1
493	Sep	9/8/2020	9/7/2020	General Safety	Induction Training	24	12	1
494	Sep	9/8/2020	9/7/2020	General Safety	Induction Training	4	2	1
495	sep	9/9/2020	9/9/2020	General Safety	Induction Training	15	7.5	1
496	sep	9/9/2020	9/9/2020	General Safety	Induction Training	13	6.5	1
497	sep	9/9/2020	9/9/2020	General Safety	Induction Training	13	6.5	1
498	sep	9/10/2020	9/10/2020	General Safety	Induction Training	29	14.5	1
499	sep	9/10/2020	9/10/2020	General Safety	Induction Training	22	11	1
500	sep	9/12/2020	9/12/2020	General Safety	Induction Training	56	28	1
501	sep	9/12/2020	9/12/2020	General Safety	Induction Training	12	6	1
502	Sep	9/14/2020	9/14/2020	General Safety	Induction Training	68	102	3
503	Sep	9/15/2020	9/15/2020	General Safety	Breather valve and Flame arrestor	8	0	1
504	Sep	9/15/2020	9/15/2020	General Safety	Induction Training	38	38	2
505	Sep	9/12/2020	9/12/2020	Process Safety	Breather valve and Flame arrestor	4	20	1
506	Sep	9/12/2020	9/12/2020	Process Safety	Breather valve and Flame arrestor	14	7	1

Sr. No	Month	From	To	Programme	Subjects Cover	Participant	Training Hours	Program
507	Sep	9/12/2020	9/12/2020	Process Safety	Breather valve and Flame arrestor	9	4.5	1
508	August	8/18/2020	8/18/2020	General Safety	Use PPE'S & House Keeping	8	4	1
509	sep	9/16/2020	9/16/2020	General Safety	Induction Training	16	8	1
510	sep	9/12/2020	9/12/2020	General Safety	Induction Training	55	27.5	1
511	August	8/18/2020	8/18/2020	General Safety	Hot Work & Work at Height	7	3.5	1
512	sep	9/12/2020	9/12/2020	General Safety	Induction Training	10	5	1
513	August	8/20/2020	8/20/2020	Emergency Handling	Emergency Preparedness	7	3.5	1
514	August	8/27/2020	8/27/2020	Chemical Safety	Handling Of Hazards Chemical	9	4.5	1
515	August	8/29/2020	8/29/2020	Chemical Safety	Handling Of Hazards Chemical	9	2.25	1
516	Sep	9/15/2020	9/15/2020	Process Safety	Breather valve and Flame arrestor	2	1	1
	Sep	9/15/2020	9/15/2020	Process Safety	Breather valve and Flame arrestor			
517	Sep	9/15/2020	9/15/2020	Process Safety	Breather valve and Flame arrestor	9	4.5	1
518	Sep	9/15/2020	9/15/2020	Process Safety	Breather valve and Flame arrestor	3	1.5	1
519	sep	9/17/2020	9/17/2020	General Safety	Induction Training	4	2	1
520	sep	9/18/2020	18-09-2020	General Safety	Induction Training	7	3.5	1
521	sep	9/19/2020	9/19/2020	General Safety	Induction Training	10	5	0
522	sep	9/16/2020	9/16/2020	Process Safety	Importance Of Nitrogen In Centrifuge Operation	2	1	1
523	sep	9/16/2020	9/16/2020	Process Safety	Importance Of Nitrogen In Centrifuge Operation	3	1.5	1
524	sep	9/16/2020	9/16/2020	Process Safety	Importance Of Nitrogen In Centrifuge Operation	7	3.15	1
525	sep	9/16/2020	9/16/2020	Process Safety	Importance Of Nitrogen In Centrifuge Operation	4	2	1
526	sep	9/16/2020	9/16/2020	Process Safety	Importance Of Nitrogen In Centrifuge Operation	2	1	1
527	sep	9/16/2020	9/16/2020	Process Safety	Importance Of Nitrogen In Centrifuge Operation	3	1.5	1
528	sep	9/17/2020	9/17/2020	Process Safety	Importance Of Nitrogen In Centrifuge Operation	3	1.5	1
529	sep	9/17/2020	9/17/2020	Process Safety	Importance Of Nitrogen In Centrifuge Operation	21	10.5	1
530	sep	9/17/2020	9/17/2020	Process Safety	Importance Of Nitrogen In Centrifuge Operation	10	5	2
531	sep	9/17/2020	9/17/2020	Process Safety	Importance Of Nitrogen In Centrifuge Operation	7	3.5	2
532	sep	9/17/2020	9/17/2020	Process Safety	Importance Of Nitrogen In Centrifuge Operation	22	22	2
533	sep	9/20/2020	9/20/2020	Process Safety	Importance Of Nitrogen In Centrifuge Operation	10	5	2
534	sep	9/20/2020	9/20/2020	Process Safety	Importance Of Nitrogen In Centrifuge Operation	6	3	2
535	sep	9/21/2020	9/21/2020	General Safety	Induction Training	20	9	1
536	sep	9/22/2020	9/22/2020	General Safety	Induction Training	16	8	1
537	sep	9/22/2020	9/22/2020	General Safety	Importance Of Nitrogen In Centrifuge Operation	2	1	1
538	sep	9/22/2020	9/22/2020	General Safety	Breather valve and Flame arrestor	2	1	1
539	sep	9/23/2020	9/23/2020	General Safety	Induction Training	27	13.5	1
540	sep	9/23/2020	9/23/2020	General Safety	Induction Training	12	6	1

Sr. No	Month	From	To	Programme	Subjects Cover	Participant	Training Hours	Program
541	Sep	9/24/2020	9/24/2020	General Safety	Induction Training	16	8	1
542	Sep	9/25/2020	9/25/2020	General Safety	Induction Training	19	9.5	1
543	Sep	9/26/2020	9/26/2020	General Safety	Induction Training	12	6	1
544	Sep	9/27/2020	9/27/2020	Process Safety	Breather valve and Flame arrestor	8	4	1
545	Sep	9/29/2020	9/29/2020	General Safety	Induction Training	1	0.5	1
546	Sep	9/30/2020	9/30/2020	General Safety	Induction Training	21	21	2
547	Oct	10/1/2020	10/1/2020	General Safety	Induction Training	17	8.5	1
548	Oct	10/2/2020	10/2/2020	General Safety	Induction Training	21	10.5	1
549	Oct	10/2/2020	10/2/2020	General Safety	Work at Height	31	15.5	1
550	Oct	10/3/2020	10/3/2020	Engineering Safety	excavation Safety	31	15.5	1
551	Oct	10/5/2020	10/5/2020	General Safety	Induction Training	27	13.5	1
552	Oct	10/5/2020	10/5/2020	Engineering Safety	excavation Safety	31	15.5	1
553	Oct	10/6/2020	10/6/2022	General Safety	Induction Training	17	6.8	1
554	Oct	10/6/2020	10/6/2022	General Safety	Hot Work	31	15.5	1
555	Oct	10/7/2020	10/7/2020	General Safety	Induction Training	28	14	1
556	Oct	10/7/2020	10/7/2020	General Safety	Cold Work Safety	31	15.5	1
557	Oct	10/8/2020	10/8/2020	General Safety	Induction Training	16	8	1
558	Oct	10/8/2020	10/8/2020	General Safety	Confined space	31	15.5	1
559	Oct	10/9/2020	10/9/2020	General Safety	Induction Training	54	54	2
560	Oct	10/9/2020	10/9/2020	General Safety	Induction Training	31	15.5	1
561	Oct	10/10/2020	10/10/2020	General Safety	P P E safety	31	15.5	1
562	Oct	10/12/2020	10/12/2020	General Safety	Induction Training	29	0.5	0
563	Oct	10/13/2020	10/13/2020	General Safety	Induction Training	31	15.5	1
564	Oct	10/13/2020	10/13/2020	General Safety	Induction Training	30	15	1
565	Oct	10/13/2020	10/13/2020	General Safety	Induction Training	7	3.5	1
566	Oct	10/14/2020	10/14/2020	General Safety	Induction Training	57	28.5	2
567	Oct	10/14/2020	10/14/2020	General Safety	Induction Training	32	16	1
568	Oct	10/15/2020	10/15/2020	General Safety	Induction Training	57	28.5	2
569	Oct	10/16/2020	10/16/2020	General Safety	Induction Training	9	4.5	1
570	Oct	10/17/2020	10/17/2020	General Safety	Induction Training	17	8.5	1
571	Oct	10/19/2020	10/19/2020	General Safety	Induction Training	9	4.5	1
	Oct	10/20/2020	10/20/2020	General Safety	Hot Work / Working at Height / Machine Guarding	2		3
	Oct	10/20/2020	10/20/2020	General Safety	Hot Work / Working at Height / Machine Guarding	15		3
572	Oct	10/20/2020	10/20/2020	General Safety	Induction Training	13	6.5	1
573	Oct	10/21/2020	10/21/2020	General Safety	Induction Training	23	11.5	1















Sr. No	Month	From	To	Programme	Subjects Cover	Participant	Training Hours	Program
	Oct	10/21/2020	10/21/2020	General Safety	Hot Work / Working at Height / Machine Guarding	1		3
	Oct	10/22/2020	10/22/2020	General Safety	Hot Work / Working at Height / Machine Guarding	3		3
574	Oct	10/23/2020	10/23/2020	General Safety	Induction Training	10	5	1
575	Oct	10/24/2020	10/24/2020	General Safety	Induction Training	7	3.5	1
576	Oct	10/25/2020	10/25/2020	General Safety	Work at Height	7	3.5	1
577	Oct	10/25/2020	10/25/2020	General Safety	Hot Work	7	3.5	1
578	Oct	10/25/2020	10/25/2020	General Safety	Work at Height/Hot Work	9	4.5	1
579	Oct	10/25/2020	10/25/2020	General Safety	Work at Height/Hot Work	26	13	1
580	Oct	10/26/2020	10/26/2020	General Safety	Induction Training	10	5	1
581	Oct	10/27/2020	10/27/2020	General Safety	Induction Training	31	15.5	2
582	Oct	10/28/2020	10/28/2020	General Safety	Induction Training	12	6	1
583	Oct	10/29/2020	10/29/2020	General Safety	Induction Training	11	2.2	1
584	Oct	10/30/2020	10/30/2020	General Safety	Induction Training	10	5	1
585	Oct	10/31/2020	10/31/2020	General Safety	Induction Training	4	2	1
586	Nov	11/2/2020	11/2/2020	General Safety	Induction Training	13	6.5	1
587	Nov	11/3/2020	11/3/2020	General Safety	Induction Training	7	3.5	1
	Nov	11/3/2020	11/3/2020	General Safety	Induction Training	7	2.1	1
588	Nov	11/5/2020	11/5/2020	General Safety	Induction Training	5	2.5	1
589	Nov	11/6/2020	11/6/2020	General Safety	Induction Training	9	4.5	1
590	Oct	10/18/2020	10/18/2020	General Safety	hot work safety	4	2	1
591	Oct	10/18/2020	10/18/2020	General Safety	hieght work safety	4	2	1
592	Oct	10/19/2020	10/19/2020	General Safety	Hot Work & Height Work Safety	4	2	1
593	Oct	10/20/2020	10/20/2020	General Safety	Hot Work & Height Work Safety	11	11	1
594	Oct	10/20/2020	10/20/2020	General Safety	Machine Gaurding & Hot work & height work	1	0.5	1
595	Oct	10/20/2020	10/20/2020	General Safety	Machine Gaurding & Hot work & height work	8	20	1
596	Oct	10/21/2020	10/21/2020	General Safety	Machine Gaurding & Hot work & height work	5	2.5	1
	Oct	10/22/2020	10/22/2020	General Safety	Machine Gaurding & Hot work & height work	13		1
597	Oct	10/22/2020	10/22/2020	General Safety	Machine Gaurding & Hot work & height work	2	1	1
598	Oct	10/24/2020	10/24/2020	General Safety	Machine Gaurding & Hot work & height work	4	2	1
599	Oct	10/25/2020	10/25/2020	General Safety	Working at height do's & don'ts	7	3.5	1
600	Oct	10/25/2020	10/25/2020	General Safety	Working at height do's & don'ts	7	3.5	1
601	Oct	10/25/2020	10/25/2020	General Safety	Hot Work & Height Work Safety	26	13	1
602	Oct	10/25/2020	10/25/2020	General Safety	Hot Work & Height Work Safety	9	4.5	1
603	Oct	10/26/2020	10/26/2020	General Safety	General Safety Induction Tranning	11	5.5	1
604	Oct	10/26/2020	10/26/2020	General Safety	General Safety Awarness	47	23.5	1
605	Oct	10/26/2020	10/26/2020	General Safety	General Safety Induction Tranning	14	7	1
606	Oct	10/27/2020	10/27/2020	General Safety	General Safety Induction Tranning	17	8.5	1
607	Oct	10/28/2020	10/28/2020	General Safety	General Safety Induction Tranning	12	6	1
608	Oct	10/29/2020	10/29/2020	General Safety	General Safety Induction Tranning	11	5.5	1
609	Oct	10/30/2020	10/30/2020	General Safety	General Safety Induction Tranning	9	4.5	1

Sr. No	Month	From	To	Programme	Subjects Cover	Participa nt	Training Hours	Program
610	Oct	10/31/2020	10/31/2020	General Safety	General Safety Induction Tranning	4	2	1
	Nov	11/2/2020	11/2/2020	General Safety	Hot Work & Height Work Safety	28	14	1
	Nov	11/2/2020	11/2/2020	General Safety	construction site safety	14	7	1
611	Nov	11/2/2020	11/2/2020	General Safety	General Safety Induction Tranning	13	6.5	1
	Nov	11/3/2020	11/3/2020	General Safety	General Safety Induction Tranning	28	14	1
612	Nov	11/3/2020	11/3/2020	General Safety	General Safety Induction Tranning	7	3.5	1
	Nov	11/4/2020	11/4/2020	General Safety	Electrical Hazards Safety	30	15	1
	Nov	11/5/2020	11/5/2020	General Safety	General Safety Induction Tranning	28	14	1
613	Nov	11/5/2020	11/5/2020	General Safety	General Safety Induction Tranning	5	2.5	1
	Nov	11/6/2020	11/6/2020	General Safety	General Safety Induction Tranning	29	14.5	1
614	Nov	11/6/2020	11/6/2020	General Safety	General Safety Induction Tranning	11	5.5	1
	Nov	11/7/2020	11/7/2020	General Safety	General Safety Induction Tranning	29	14.5	1
	Nov	11/7/2020	11/7/2020	General Safety	General Safety Induction Tranning	9	4.5	1
	Nov	11/7/2020	11/7/2020	General Safety	General Safety Induction Tranning	29	14.5	1
	Nov	11/8/2020	11/8/2020	General Safety	Hot work	36	18	1
	Nov	11/9/2020	11/9/2020	General Safety	General Safety Induction Tranning	29	14.5	1
615	Nov	11/9/2020	11/9/2020	General Safety	General Safety Induction Tranning	10	5	1
	Nov	11/10/2020	11/10/2020	General Safety	General Safety Induction Tranning	28	14	1
616	Nov	11/10/2020	11/10/2020	General Safety	General Safety Induction Tranning	8	4	1
	Nov	11/11/2020	11/11/2020	General Safety	General Safety Induction Tranning	11	5.5	1
	Nov	11/11/2020	11/11/2020	General Safety	General Safety Induction Tranning	2	0.6	1
	Nov	11/12/2020	11/12/2020	General Safety	General Safety Induction Tranning	1	0.3	1
	Nov	11/17/2020	11/17/2020	General Safety	hieght work safety	11	3.3	1
	Nov	11/17/2020	11/17/2020	General Safety	Hot Work	18	5.4	1
	Nov	11/17/2020	11/17/2020	General Safety	General Safety	6	1.8	1
	Nov	11/17/2020	11/17/2020	General Safety	Hot Work	6	1.8	1
	Nov	11/17/2020	11/17/2020	General Safety	Hot Work	10	3	1
	Nov	11/17/2020	11/17/2020	General Safety	hieght work safety	12	3.6	1
	Nov	11/19/2020	11/19/2020	General Safety	General Safety Induction Tranning	4	1.2	1
	Nov	11/20/2020	11/20/2020	General Safety	General Safety Induction Tranning	16	4.8	1
617	Nov	11/21/2020	11/21/2020	General Safety	Vartical Life Line	28	28	1
	Nov	11/21/2020	11/21/2020	General Safety	General Safety Induction Tranning	13	3.9	1
	Nov	11/21/2020	11/21/2020	General Safety	General Safety Induction Tranning	12	3.6	1
618	Nov	11/22/2020	11/22/2020	General Safety	Hot Work & Height Work Safety	13	3.9	1
	Nov	11/22/2020	11/22/2020	General Safety	Electrical Hazard & Its Control			
	Nov	11/22/2020	11/22/2020	General Safety	Electrical Hazard & Its Control			
	Nov	11/23/2020	11/23/2020	General Safety	General Safety Induction Tranning	30	15	1
	Nov	11/24/2020	11/24/2020	General Safety	Electrical Hazards Safety	7	2.1	1

Sr. No	Month	From	To	Programme	Subjects Cover	Participant	Training Hours	Program
	Nov	11/24/2020	11/24/2020	General Safety	Electrical Hazards Safety	30	15	1
	Nov	11/24/2020	11/24/2020	General Safety	General Safety Induction Tranning	25	7.5	1
619	Nov	11/25/2020	11/25/2020	General Safety	Hot Work & Height Work Safety	26	7.8	1
	Nov	11/25/2020	11/25/2020	General Safety	Hot Work & Height Work Safety	11	5.5	1
	Nov	11/25/2020	11/25/2020	General Safety	Hot Work & Height Work Safety	13	6.5	1
620	Nov	11/25/2020	11/22/2020	General Safety	Hot Work & Height Work Safety	9	2.7	1
	Nov	11/25/2020	11/22/2020	General Safety	General Safety Induction Tranning	9	2.7	1
621	Nov	11/25/2020	11/25/2020	General Safety	Electrical Hazards Safety	13	3.9	1
622	Nov	11/26/2020	11/26/2020	General Safety	Electrical Hazards Safety	21	6.3	1
623	Nov	11/27/2020	11/27/2020	General Safety	static chaege	10	3	1
	Nov	11/27/2020	11/27/2020	General Safety	Electrostatic Charged Hazard & Its Control			
	Nov	11/27/2020	11/27/2020	General Safety	Electrostatic Charged Hazard & Its Control			
	Nov	11/27/2020	11/27/2020	General Safety	Electrostatic Charged Hazard & Its Control			
624	Nov	11/27/2020	11/27/2020	General Safety	General Safety Induction Tranning	8	2.4	1
625	Nov	11/27/2020	11/27/2020	General Safety	static chaege	6	1.8	1
626	DEC	12/2/2020	12/2/2020	General Safety	General Safety Induction Tranning	2	1	1
627	Nov	11/28/2020	11/28/2020	General Safety	General Safety Induction Tranning	18	9	1
628	Nov	11/30/2020	1/30/1900	General Safety	General Safety Induction Tranning	44	22	2
629	DEC	12/1/2020	12/1/2020	General Safety	General Safety Induction Tranning	16	8	1
630	DEC	12/2/2020	12/2/2020	General Safety	General Safety Induction Tranning	2	1	1
631	DEC	12/3/2020	12/3/2020	General Safety	General Safety Induction Tranning	8	4	1
632	DEC	12/4/2020	12/4/2020	General Safety	General Safety Induction Tranning	60	30	3
633	DEC	12/5/2020	12/5/2020	General Safety	General Safety Induction Tranning	11	5.5	1
634	DEC	12/7/2020	12/7/2020	General Safety	General Safety Induction Tranning	36	18	2
635	DEC	12/8/2020	12/8/2020	General Safety	General Safety Induction Tranning	17	8.5	1
	DEC	12/8/2020	12/8/2020	General Safety	General Safety Awarness			
636	DEC	12/9/2020	12/9/2020	General Safety	General Safety Induction Tranning	50	25	3
637	DEC	12/10/2020	12/10/2020	General Safety	General Safety Induction Tranning	23	11.5	3
638	DEC	12/11/2020	12/11/2020	General Safety	General Safety Induction Tranning	10	5	2
639	DEC	12/12/2020	12/12/2020	General Safety	General Safety Induction Tranning	16	8	2
640	DEC	12/14/2020	12/14/2020	General Safety	General Safety Induction Tranning	65	32.5	3
641	DEC	12/15/2020	12/15/2020	General Safety	General Safety Induction Tranning	30	15	2
642	DEC	12/16/2020	12/16/2020	General Safety	General Safety Induction Tranning	32	16	2
643	DEC	12/17/2020	12/17/2020	General Safety	General Safety Induction Tranning	7	3.5	2
644	DEC	12/18/2020	12/18/2020	General Safety	General Safety Induction Tranning	16	8	2
645	DEC	12/19/2020	12/19/2020	General Safety	General Safety Induction Tranning	15	7.5	2
646	DEC	12/19/2020	12/19/2020	General Safety	General Safety Induction Tranning	26	13	1
647	DEC	12/21/2020	12/21/2020	General Safety	General Safety Induction Tranning	18	9	2
	DEC	12/21/2020	12/21/2020	General Safety	Matril Handeling			
648	DEC	12/22/2020	12/22/2020	General Safety	General Safety Induction Tranning	13	6.5	2
649	DEC	12/23/2020	23-12-202	General Safety	General Safety Induction Tranning	18	9	2
650	DEC	12/24/2020	12/24/2020	General Safety	General Safety Induction Tranning	16	8	2


Sr. No	Month	From	To	Programme	Subjects Cover	Participant	Training Hours	Program
651	DEC	12/23/2020	12/23/2020	General Safety	Matril Handeling	9	4.5	1
652	DEC	12/24/2020	12/24/2020	General Safety	Matril Handeling	8	2	1
653	DEC	12/25/2020	12/25/2020	General Safety	Matril Handeling	5	2.5	1
654	DEC	12/25/2020	12/25/2020	General Safety	Matril Handeling	8	4	1
655	DEC	12/26/2020	12/26/2020	General Safety	General Safety Induction Tranning	30	15	1
656	DEC	12/28/2020	12/26/2020	General Safety	General Safety Induction Tranning	25	12.5	2
657	DEC	12/29/2020	12/29/2020	General Safety	General Safety Induction Tranning	6	3	1
658	DEC	12/30/2020	12/30/2020	General Safety	General Safety Induction Tranning	18	9	2
659	DEC	12/31/2020	12/31/2020	General Safety	General Safety Induction Tranning	14	0.5	0.5

PPE Matrix

Required PPEs for Activity		કામ માટે જરૂરી સુરક્ષા સાધન							કામ કે લિફ વ્યક્તિગત સુરક્ષા ઉપકરણ						
SN	Operation ઓપરેશન ઓપરેશન	Helmet	Chemical splash goggles/ Face shield	Safety Shoes	Acid / Alkali / Double Dipping	Nitrile rubber Hand gloves	Dust mask	Multi Gas Mask Acid / Alkali / Organic vapor	PVC apron	Full Body suit (Tyvek suit)	Air pressure suit	Respiratory Bubble hood	Wrist Band & Earthing (For personnel static dissipation)	Full Body Harness	Ear Plug / Ear Muff
															
1	Sampling activity in Vessel & Lab વેસલ અને લેબમાં નમૂનાની પ્રવૃત્તિ વેસલ અને લેબમાં નમૂનાની ગતિવિધિ	Y	Y	Y	X	Y	X	Y	Y	Y	X	X	X	X	X
2	Acid & alkali Solution Preparation and Handling એસિડ અને એલકલાઇન સંકલન પ્રસારણ એસિડ અને એલકલાઇન રાસાયણિક સંકલન	Y	Y	Y	Y	Y	X	Y	Y	Y	X	X	X	X	X
3	Salt Handling from ATFD એટીએફડીમાં સોલ્ટ હેન્ડલિંગ એટીએફડીમાં સોલ્ટ હેન્ડલિંગ	Y	Y	Y	Y	X	Y	Y	X	X	X	X	X	X	X
4	Tanker Loading Unloading ટેન્કર લોડિંગ અનલોડિંગ ટેન્કર લોડિંગ અનલોડિંગ	Y	Y	Y	X	Y	X	Y	X	X	X	X	Y	Y	X
5	Material Feeding in Incinerator ઇન્સિનેરેટરમાં મટીરીયલ ફીડિંગ ઇન્સિનેરેટરમાં સામગ્રી ફીડિંગ	Y	Y	Y	Y	Y	Y	X	Y	X	X	X	X	X	X
6	High COD Effluent Receiving હાઇ કોડ એફ્લુઅન્ટ રીસીવિંગ હાઇ કોડ એફ્લુઅન્ટ રીસીવિંગ	Y	Y	Y	Y	X	X	Y	X	X	X	X	X	X	X
7	Hazardous Waste Collection & Handling જોખમી વસ્તુ સંગ્રહ અને હેન્ડલિંગ જોખમી વસ્તુ સંગ્રહ અને હેન્ડલિંગ	Y	Y	Y	Y	Y	X	Y	X	Y	X	X	X	X	X
8	Scrap Receiving and Handling સ્ક્રેપ રીસીવિંગ અને હેન્ડલિંગ સ્ક્રેપ પ્રાપ્ત કરના અને સંભાળના	Y	Y	Y	Y	X	X	X	X	X	X	X	X	X	X

ANNEXURE 6: Analysis reports of Stack Emission

Boiler Stack



PRAKRUTI

**TEST REPORT
(AIR EMISSION)**
ULR:TC72792000001753F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-5)	Ref. No.:	20211397
Location:	VII, Panchayat, P.O. Tapura, Tal. Haldol, Dist. Panchmahal	Report Date:	20/07/2020
Authorized Person:	Mr. Kalyesh Padarp	Analysis Date:	09/07/2020
Stack Attached To:	Boiler (GT-7534)	Analysed By:	G. M. Desai
Air Pollution Control System:	ESP (Dry Horizontal type with 3 field)	Receipt Date:	09/07/2020
Fuel Type:	Coal	Receipt Time:	18:10
Fuel Consumption:	85 t/d	Received By:	Milma
Stack Height:	85 m	Collection Date:	08/07/2020
Stack Diameter:	900 mm	Collection Time:	11:15
Emission Temperature:	127 °C	Collected By:	Satyendra
Velocity:	7.08 m/s		
Flow:	16215 m ³ /h		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3): 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM)	mg/Nm ³	IS: 11255 (Part 1): 1985	118.89	150
2	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2): 1985	227.95 (87.07 ppm)	100 ppm
3	Nitrogen Oxide (as NO _x)	mg/Nm ³	IS: 11255 (Part 7): 2005	65.78 (34.96 ppm)	50 ppm

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

2. Results of PM are at 12% CO₂ correction.

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

Note:

1. The tests marked with * are not accredited by NABL.

2. The results refer only to the tested sample(s) and applicable parameter(s).

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6. Measurement Uncertainty is not mentioned in the test report and the same can be communicated to the customer on request.

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**TEST REPORT
(AIR EMISSION)**

ULR:TC727920000002166F

CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20212264
Location:	Vill: Panchaj, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	26/08/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	20/08/2020
Stack Attached To:	Boiler (GT-7534)	Analysed By:	G M Desai
Air Pollution Control System:	ESP (Dry Horizontal type with 3 field)	Receipt Date:	18/08/2020
Fuel Type:	Coal	Receipt Time:	18:30
Fuel Consumption:	36 t/d	Received By:	Vimal
Stack Height:	35 m	Collection Date:	17/08/2020
Stack Diameter:	900 mm	Collection Time:	11:55
Emission Temperature:	132 °C	Collected By:	Satyendra
Velocity:	7.1 m/s		
Flow:	16261 m ³ /h		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3): 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM)	mg/Nm ³	IS: 11255 (Part 1): 1985	126.44	150
2	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2): 1985	202.39 (77.31 ppm)	100 ppm
3	Nitrogen Oxide (as NO _x)	mg/Nm ³	IS: 11255 (Part 7): 2005	69.27 (36.82 ppm)	50 ppm

Remarks:

- BDL: Below Detectable Limit, DL: Detectable Limit
- Results of PM are at 12% CO₂ correction.

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

Note:

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**TEST REPORT
(AIR EMISSION)
ULR:TC727920000002421F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20212775
Location:	Vill: Pandlav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	17/09/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	11/09/2020
Stack Attached To:	Boiler (GT-7534)	Analysed By:	G M Desai
Air Pollution Control System:	ESP (Dry Horizontal type with 3 field)	Receipt Date:	10/09/2020
Fuel Type:	Coal	Receipt Time:	18:50
Fuel Consumption:	36 t/d	Received By:	Vimal
Stack Height:	35 m	Collection Date:	09/09/2020
Stack Diameter:	900 mm	Collection Time:	11:05
Emission Temperature:	135 °C	Collected By:	Sagar
Velocity:	7.11 m/s		
Flow:	16283 m ³ /h		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3): 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM)	mg/Nm ³	IS: 11255 (Part 1): 1985	133.70	150
2	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2): 1985	220.66 (84.30 ppm)	100 ppm
3	Nitrogen Oxide (as NO _x)	mg/Nm ³	IS: 11255 (Part 7): 2005	74.73 (39.72 ppm)	50 ppm

Remarks:

- BDL: Below Detectable Limit, DL: Detectable Limit
- Results of PM are at 12% CO₂ correction.

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

Note:

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**TEST REPORT
(AIR EMISSION)
ULR:TC72792000002788F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20213525
Location:	Vil. Pandey, P.G. Tappan, Tal. Hald, Dist. Panchmahal	Report Date:	29/10/2020
Authorized Person:	Mr. Rajesh Padaria	Analysis Date:	22/10/2020
Stack Attached To:	(Index 01-7634)	Analysed By:	G.M. Desai
Air Pollution Control System:	ES (Dry Horizontal type with 3 field)	Receipt Date:	21/10/2020
Fuel Type:	Coal	Receipt Time:	18:30
Fuel Consumption:	85 tpd	Received By:	Vimal
Stack Height:	35 m	Collection Date:	20/10/2020
Stack Diameter:	1000 mm	Collection Time:	11:30
Emission Temperature:	125 °C	Collected By:	Mehul
Velocity:	7.10 m/s		
Flow:	92308 m ³ /h		
Field Observation:	—		
Flow Rate Measurement:	IS 11255 (Part 3): 2008		
Applicable Standards:	—		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM)	mg/Nm ³	IS: 11255 (Part 1): 1985	126.25	150
2	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2): 1985	212.53 (81.19 ppm)	100 ppm
3	Nitrogen Oxide (as NO _x)	mg/Nm ³	IS: 11255 (Part 7): 2005	71.29 (37.89 ppm)	50 ppm

Remarks:

- BDL: Below Detectable Limit, DL: Detectable Limit
- Results of PM are at 12% CO₂ correction.

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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**TEST REPORT
(AIR EMISSION)**

ULR:TC727920000003131F

CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214153
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	20/11/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	12/11/2020
Stack Attached To:	Boiler (GT-7534)	Analysed By:	G M Desai
Air Pollution Control System:	ESP (Dry Horizontal type with 3 field)	Receipt Date:	11/11/2020
Fuel Type:	Coal	Receipt Time:	17:50
Fuel Consumption:	36 t/d	Received By:	Vimal
Stack Height:	35 m	Collection Date:	10/11/2020
Stack Diameter:	900 mm	Collection Time:	11:05
Emission Temperature:	123 °C	Collected By:	Sagar
Velocity:	7.28 m/s		
Flow:	16673 m ³ /h		
Field Observation:	—		
Flow Rate Measurement:	IS 11255 (Part 3): 2006		
Applicable Standard:	—		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM)	mg/Nm ³	IS: 11255 (Part 1): 1985	128.68	150
2	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2): 1985	218.46 (83.45 ppm)	100 ppm
3	Nitrogen Oxide (as NO _x)	mg/Nm ³	IS: 11255 (Part 7): 2005	72.68 (38.63 ppm)	50 ppm

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit
2. Results of PM are at 12% CO₂ correction.

Checked By: Binal Shah (Quality Manager)

Authorized Signatory: Krishna Desai (Partner)

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**TEST REPORT
(AIR EMISSION)**

ULR:TC727920000003410F

CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214785
Location:	VII: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	18/12/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	11/12/2020
Stack Attached To:	Boiler (GT-7534)	Analysed By:	G M Desai
Air Pollution Control System:	ESP (Dry Horizontal type with 3 field)	Receipt Date:	10/12/2020
Fuel Type:	Coal	Receipt Time:	18:05
Fuel Consumption:	38 t/d	Received By:	Vimal
Stack Height:	35 m	Collection Date:	10/12/2020
Stack Diameter:	900 mm	Collection Time:	10:30
Emission Temperature:	131 °C	Collected By:	Sagar
Velocity:	7.28 m/s		
Flow:	16673 m ³ /h		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3): 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM)	mg/Nm ³	IS: 11255 (Part 1): 1985	123.87	150
2	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2): 1985	198.80 (75.87 ppm)	100 ppm
3	Nitrogen Oxide (as NO _x)	mg/Nm ³	IS: 11255 (Part 7): 2005	68.64 (37.02 ppm)	50 ppm

Remarks:

- BDL: Below Detectable Limit, DL: Detectable Limit
- Results of PM are at 12% CO₂ correction.

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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Process gas stacks



**TEST REPORT
(AIR EMISSION)
ULR:TC727920000001754F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20211398
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	20/07/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	09/07/2020
Stack Attached To:	Plant - 1 (Reaction Vessel No. 1)	Analysed By:	G M Desai
Air Pollution Control System:	Chilled Water Cooler	Receipt Date:	08/07/2020
Fuel Type:	--	Receipt Time:	18:10
Fuel Consumption:	--	Received By:	Nilima
Stack Height:	12 m	Collection Date:	08/07/2020
Stack Diameter:	160 mm	Collection Time:	12:10
Emission Temperature:	33 °C	Collected By:	Satyendra
Velocity:	5.42 m/s		
Flow:	392 m ³ /h		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3) - 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Ammonia (as NH ₃)	mg/Nm ³	IS: 11255 (Part 6)	13.13	175.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge) Authorized Signatory: Krishna Desai (Partner)

Note:

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End of Report





**TEST REPORT
(AIR EMISSION)
ULR:TC72792000001755F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20211399
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	20/07/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	09/07/2020
Stack Attached To:	Plant - 1 (Reaction Vessel No. 2)	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	08/07/2020
Fuel Type:	--	Receipt Time:	18:10
Fuel Consumption:	--	Received By:	Nilima
Stack Height:	12 m	Collection Date:	08/07/2020
Stack Diameter:	160 mm	Collection Time:	13:25
Emission Temperature:	34 °C	Collected By:	Satyendra
Velocity:	5.56 m/s		
Flow:	402 m ³ /h		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3) - 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	6.46	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	9.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit.

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

Note:

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TEST REPORT
(AIR EMISSION)
 ULR:TC727920000001756F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20211400
Location:	VIII: Panelav, P.O. Tajpura, Tal: Haiol, Dist: Panchmahal	Report Date:	20/07/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	09/07/2020
Stack Attached To:	Pilot Plant	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	08/07/2020
Fuel Type:	--	Receipt Time:	18:10
Fuel Consumption:	--	Received By:	Nilima
Stack Height:	12 m	Collection Date:	08/07/2020
Stack Diameter:	60 mm	Collection Time:	14:05
Emission Temperature:	32 °C	Collected By:	Satyendra
Velocity:	-- m/s		
Flow:	-- m ³ /h		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3) - 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	4.97	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	9.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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Certificate No. TC-1229

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**TEST REPORT
(AIR EMISSION)**

ULR:TC72792000001757F

CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20211401
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	20/07/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	09/07/2020
Stack Attached To:	Plant - 2	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	08/07/2020
Fuel Type:	--	Receipt Time:	18:10
Fuel Consumption:	--	Received By:	Nilima
Stack Height:	12 m	Collection Date:	08/07/2020
Stack Diameter:	200 mm	Collection Time:	14:55
Emission Temperature:	31 °C	Collected By:	Satyendra
Velocity:	6.96		
Flow:	787.16		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3): 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	7.95	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	9.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

Note:

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**TEST REPORT
(AIR EMISSION)**

ULR:TC72792000001758F

CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20211402
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	20/07/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	09/07/2020
Stack Attached To:	Plant - 7 (Reaction Vessel No. 2)	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	08/07/2020
Fuel Type:	--	Receipt Time:	18:10
Fuel Consumption:	--	Received By:	Nilima
Stack Height:	12 m	Collection Date:	08/07/2020
Stack Diameter:	200 mm	Collection Time:	15:45
Emission Temperature:	34 °C	Collected By:	Mayur
Velocity:	9.37		
Flow:	1059.72		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3): 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	8.45	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	9.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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**TEST REPORT
(AIR EMISSION)**
ULR:TC72792000001759P
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20211403
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	20/07/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	10/07/2020
Stack Attached To:	DG Set - 4 (1500 KVA)	Analysed By:	G M Desai
Air Pollution Control System:	--	Receipt Date:	09/07/2020
Fuel Type:	HSD	Receipt Time:	18:10
Fuel Consumption:	300 L/h	Received By:	Nilima
Stack Height:	12 m	Collection Date:	09/07/2020
Stack Diameter:	400 mm	Collection Time:	11:35
Emission Temperature:	94 °C	Collected By:	Satyendra
Velocity:	11.73 m/s		
Flow:	5303.84 m ³ /h		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3) - 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM)	mg/Nm ³	IS: 11255 (Part 1): 1985	70.17	75
2	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2): 1985	53.13 (20.29 ppm)	--
3	Nitrogen Oxide (as NO _x)	mg/Nm ³	IS: 11255 (Part 7): 2005	88.82 (47.20 ppm)	710 ppm
4*	Carbon Monoxide (as CO)	mg/Nm ³	SOP-TEST-02, Issue No.: 01, Issue Date: 20.12.2019	129.06	150
5*	Non-Methane Hydrocarbon (as C)	mg/Nm ³	Electrochemical Method	61.32	100

Remarks:

- BDL: Below Detectable Limit, DL: Detectable Limit
- Results are at 15% O₂ & on dry basis.
- Results are not exceeding limit; PM ≤ 150 mg/Nm³, SO₂ ≤ 100 ppm & NO_x ≤ 50 ppm

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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**TEST REPORT
(AIR EMISSION)**
ULR:TC72792000001760F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20211404
Location:	Vill: Panelav, P.O- Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	20/07/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	10/07/2020
Stack Attached To:	Plant - 8 A	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	09/07/2020
Fuel Type:	--	Receipt Time:	18:10
Fuel Consumption:	--	Received By:	Nilima
Stack Height:	12 m	Collection Date:	09/07/2020
Stack Diameter:	200 mm	Collection Time:	12:30
Emission Temperature:	33 °C	Collected By:	Satyendra
Velocity:	8.95		
Flow:	1012.22		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3): 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	9.44	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	9.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit.

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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TEST REPORT
(AIR EMISSION)

ULR:TC727920000001760F

CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20211404
Location:	Vill: Panelav, P.O- Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	20/07/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	10/07/2020
Stack Attached To:	Plant - 8 A	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	09/07/2020
Fuel Type:	--	Receipt Time:	18:10
Fuel Consumption:	--	Received By:	Nilima
Stack Height:	12 m	Collection Date:	09/07/2020
Stack Diameter:	200 mm	Collection Time:	12:30
Emission Temperature:	33 °C	Collected By:	Satyendra
Velocity:	8.95		
Flow:	1012.22		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3): 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	9.44	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	9.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit.

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

Note:

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**TEST REPORT
(AIR EMISSION)**
ULR:TC727920000001761F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20211405
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	20/07/2020
Authorized Person:	Mr. Kalpesh Padaria	Analysis Date:	10/07/2020
Stack Attached To:	Plant - 5	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	09/07/2020
Fuel Type:	--	Receipt Time:	18:10
Fuel Consumption:	--	Received By:	Nilima
Stack Height:	12 m	Collection Date:	09/07/2020
Stack Diameter:	200 mm	Collection Time:	14:10
Emission Temperature:	34 °C	Collected By:	Mayur
Velocity:	7.28 m/s		
Flow:	823 m ³ /h		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3) - 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	7.45	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	9.00

Remarks:

1. BDL: Below Detectable Limit. DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

Note:

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Certificate No. TC-7279

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**TEST REPORT
(AIR EMISSION)
ULR:TC727920000001762F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20211406
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	20/07/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	10/07/2020
Stack Attached To:	Ware House	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	09/07/2020
Fuel Type:	--	Receipt Time:	18 10
Fuel Consumption:	--	Received By:	Nilima
Stack Height:	12 m	Collection Date:	09/07/2020
Stack Diameter:	200 mm	Collection Time:	15 05
Emission Temperature:	34 °C	Collected By:	Satyendra
Velocity:	9.04 m/s		
Flow:	1022 m ³ /h		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3): 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	9.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

Note:

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End of Report

1. BDL: Below Detectable Limit, DL: Detectable Limit

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**TEST REPORT
(AIR EMISSION)
ULR:TC72792000002167F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20212265
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	26/08/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	20/08/2020
Stack Attached To:	Plant - 1 (Reaction Vessel No. 1)	Analysed By:	G M Desai
Air Pollution Control System:	Chilled Water Circulation	Receipt Date:	18/08/2020
Fuel Type:	---	Receipt Time:	18:30
Fuel Consumption:	---	Received By:	Vimal
Stack Height:	12 m	Collection Date:	17/08/2020
Stack Diameter:	160 mm	Collection Time:	14:10
Emission Temperature:	34 °C	Collected By:	Satyendra
Velocity:	5.39 m/s		
Flow:	390 m ³ /h		
Field Observation:	---		
Flow Rate Measurement:	IS 11255 (Part 3) - 2008		
Applicable Standard:	---		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Ammonia (as NH ₃)	mg/Nm ³	IS: 11255 (Part 6): 2019	7.61	175.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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TEST REPORT
(AIR EMISSION)
 ULR:TC727920000002168F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20212266
Location:	Vill: Pandav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	26/08/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	20/08/2020
Stack Attached To:	Plant - 1 (Reaction Vessel No. 2)	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	18/08/2020
Fuel Type:	—	Receipt Time:	18.30
Fuel Consumption:	—	Received By:	Vimal
Stack Height:	12 m	Collection Date:	17/08/2020
Stack Diameter:	100 mm	Collection Time:	13:00
Emission Temperature:	32 °C	Collected By:	Satyendra
Velocity:	5.62 m/s		
Flow:	407 m ³ /h		
Field Observation:	—		
Flow Rate Measurement:	IS 11255 (Part 3) - 2008		
Applicable Standard:	—		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	5.28	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1988	BDL (DL:5.0)	9.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit.

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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**TEST REPORT
(AIR EMISSION)
ULR:TC727920000002169F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-1)	Ref. No.:	20212267
Location:	Vil: Panchav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	26/08/2020
Authorized Person:	Mr. Kalpesh Padaria	Analysis Date:	20/08/2020
Stack Attached To:	Pilot Plant	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	18/08/2020
Fuel Type:	--	Receipt Time:	18:30
Fuel Consumption:	--	Received By:	Vimal
Stack Height:	12 m	Collection Date:	17/08/2020
Stack Diameter:	80 mm	Collection Time:	14:55
Emission Temperature:	32 °C	Collected By:	Satyendra
Velocity:	-- m/s		
Flow:	-- m ³ /h		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3) - 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	4.8	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	9.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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PRAKRUTI

**TEST REPORT
(AIR EMISSION)
ULR:TC727920000002170F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-1)	Ref. No.:	202-2268
Location:	Vik. Panelav P.O. Tapura Tal. Hailu, Dist. Panchmahal	Report Date:	25/08/2020
Authorized Person:	Mr. Akshay Padara	Analysis Date:	20/08/2020
Stack Attached To:	Plant - 2	Analysed By:	G. M. Desai
Air Pollution Control System:	Alkal Scrubber	Receipt Date:	18/08/2020
Flue Type:	--	Receipt Time:	18:30
Flue Consumption:	--	Received By:	Vimal
Stack Height:	12 m	Collection Date:	17/08/2020
Stack Diameter:	220 mm	Collection Time:	15:40
Emission Temperature:	31 °C	Collected By:	Mavur
Velocity:	7.24		
Flow:	196.21		
Field Observation:	--		
Flow Rate Measurement:	IS 11268 Part 31: 2006		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPO Method 200: 1988	5.79	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPO Method 200: 1988	SOL (DL5.0)	8.00

Remarks:

1. SOL: Below Detectable Limit, DL: Detectable Limit.

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

Note:

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End of Report





TEST REPORT
(AIR EMISSION)
 ULR:TC72792000002171F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20212289
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	26/08/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	20/08/2020
Stack Attached To:	Plant - 7 (Reaction Vessel No. 2)	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	18/08/2020
Fuel Type:	--	Receipt Time:	18:30
Fuel Consumption:	--	Received By:	Vimal
Stack Height:	12 m	Collection Date:	18/08/2020
Stack Diameter:	200 mm	Collection Time:	15:30
Emission Temperature:	31 °C	Collected By:	Mayur
Velocity:	9.3		
Flow:	1051.61		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3): 2003		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	7.20	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1986	BDL (DL: 5.0)	9.00

Remarks:
 1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

Note:

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End of Report

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TEST REPORT (AIR EMISSION)

ULR:TC72792000002172P

CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-1)	Ref. No.:	20212270
Location:	Vill: Pandav, P.O. Talpura, Tal: Halol, Dist: Panchmahal	Report Date:	28/01/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	28/01/2020
Stack Attached To:	DG Set - 2 (15.30 KVA)	Analysed By:	G. M. Desai
Air Pollution Control System:	--	Receipt Date:	18/01/2020
Fuel Type:	HSD	Receipt Time:	11:30
Fuel Consumption:	300 L/h	Received By:	Vimal
Stack Height:	12 m	Collection Date:	18/01/2020
Stack Diameter:	400 mm	Collection Time:	11:30
Emission Temperature:	94 °C	Collected By:	Gayatri
Velocity:	11.07 m/s		
Flow:	5270.71 m ³ /h		
Field Observation:	--		
Flow Rate Measurement:	IS 11256 (Part 3): 2006		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM)	mg/Nm ³	IS: 11256 (Part 1): 1986	05.32	75
2	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11256 (Part 2): 1986	51.04 (10.84 ppm)	--
3	Nitrogen Oxide (as NO _x)	mg/Nm ³	IS: 11256 (Part 7): 2006	83.10 (44.20 ppm)	710 ppm
4*	Carbon Monoxide (as CO)	mg/Nm ³	SOP-TEST-02, Issue No.: 01, Issue Date: 20.12.2019	133.47	150
5*	Non-Methane Hydrocarbon (as C)	mg/Nm ³	Electrochemical Method	04.82	100

Remarks:

- BDL: Below Detectable Limit, DL: Detectable Limit
- Results are at 15% O₂ & on dry basis.
- Results are not exceeding limit, PM ≤ 150 mg/Nm³, SO₂ ≤ 100 ppm & NO_x ≤ 50 ppm

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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**TEST REPORT
(AIR EMISSION)
ULR:TC727920000002173F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20212271
Location:	Vill: Parelav, P.O- Tajpura, Tal: Haldol, Dist: Panchmahal	Report Date:	25/08/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	20/08/2020
Stack Attached To:	Plant - 8 A	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	18/08/2020
Fuel Type:	--	Receipt Time:	18:30
Fuel Consumption:	--	Received By:	Vimal
Stack Height:	12 m	Collection Date:	18/08/2020
Stack Diameter:	200 mm	Collection Time:	12:20
Emission Temperature:	32 °C	Collected By:	Mayur
Velocity:	9.02		
Flow:	1020.14		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3): 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	8.14	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	9.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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**TEST REPORT
(AIR EMISSION)
ULR:TC727920000002174F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No:	20200000000000000000
Location:	Vill. Panelav, P.O. Tapura, Tal: Halol, Dist: Panchmahal	Report Date:	18/07/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	18/07/2020
Stack Attached To:	Plant - 5	Analysed By:	G. M. Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	18/07/2020
Fuel Type:	---	Receipt Time:	18:30
Fuel Consumption:	---	Received By:	Prakruti
Stack Height:	12 m	Collection Date:	18/07/2020
Stack Diameter:	200 mm	Collection Time:	14:15
Emission Temperature:	33 °C	Collected By:	Prakruti
Velocity:	7.92 m/s		
Flow:	896 m ³ /h		
Field Observation:	---		
Flow Rate Measurement:	IS 11255 (Part B) : 2008		
Applicable Standard:	---		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1985	5.95	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1985	BOL (DLSQ)	5.00

Remarks:
1. BOL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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**TEST REPORT
(AIR EMISSION)
ULR:TC727920000002175F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20212273
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	26/08/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	20/08/2020
Stack Attached To:	Ware House	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	18/08/2020
Fuel Type:	--	Receipt Time:	18:30
Fuel Consumption:	--	Received By:	Vimal
Stack Height:	12 m	Collection Date:	17/08/2020
Stack Diameter:	200 mm	Collection Time:	14:50
Emission Temperature:	32 °C	Collected By:	Mayur
Velocity:	8.96 m/s		
Flow:	1013 m ³ /h		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3): 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	9.00

Remarks:

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Checked By: G. M. Desai (Lab in-charge)

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TEST REPORT (AIR EMISSION)

ULR:TC727920000002422P

CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20212776
Location:	Vil: Panelav, P.O. Talpura, Tal: Halol, Dist: Panchmahal	Report Date:	17/09/2020
Authorized Person:	Mr. Kalpesh Padaria	Analysis Date:	11/09/2020
Stack Attached To:	DG Set - 3 (1500 KVA)	Analysed By:	G M Desai
Air Pollution Control System:	--	Receipt Date:	10/09/2020
Fuel Type:	HSD	Receipt Time:	18:50
Fuel Consumption:	300 L/h	Received By:	Vimal
Stack Height:	30 m	Collection Date:	10/09/2020
Stack Diameter:	400 mm	Collection Time:	11:10
Emission Temperature:	98 °C	Collected By:	Satyendra
Velocity:	11.71 m/s		
Flow:	5294.79 m ³ /h		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3): 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM)	mg/Nm ³	IS: 11255 (Part 1): 1985	68.10	75
2	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2): 1985	51.15 (19.54 ppm)	--
3	Nitrogen Oxide (as NO _x)	mg/Nm ³	IS: 11255 (Part 7): 2005	84.13 (44.71 ppm)	710 ppm
4*	Carbon Monoxide (as CO)	mg/Nm ³	SOP-TEST-02, Issue No.: 01, Issue Date: 20.12.2019	119.8	150
5*	Non-Methane Hydrocarbon (as C)	mg/Nm ³	Electrochemical Method	63.00	100

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit
2. Results are at 15% O₂ & on dry basis.
3. Results are not exceeding limit; PM ≤ 150 mg/Nm³, SO₂ ≤ 100 ppm & NO_x ≤ 50 ppm

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

Note:

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**TEST REPORT
(AIR EMISSION)
ULR:TC727920000002424F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20212778
Location:	Vill: Panelav, P.O. Tajpura, Tal: Haiol, Dist: Panchmahal	Report Date:	17/09/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	11/09/2020
Stack Attached To:	Plant - 1 (Reaction Vessel No. 1)	Analysed By:	G M Desai
Air Pollution Control System:	Chilled Water Circulation	Receipt Date:	10/09/2020
Fuel Type:	--	Receipt Time:	18:50
Fuel Consumption:	--	Received By:	Vimal
Stack Height:	12 m	Collection Date:	10/09/2020
Stack Diameter:	160 mm	Collection Time:	12:10
Emission Temperature:	34 °C	Collected By:	Satyendra
Velocity:	5.70 m/s		
Flow:	413 m ³ /h		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3) - 2006		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Ammonia (as NH ₃)	mg/Nm ³	IS: 11255 (Part 6): 2019	BDL (DL: 5.0)	175.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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PRAKRUTI

TEST REPORT (AIR EMISSION)

ULR:TC727920000002425F

CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20212781
Location:	VIII: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	17/09/2020
Authorized Person:	Mr. Kalpesh Padaria	Analysis Date:	11/09/2020
Stack Attached To:	Plant - 2	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	10/09/2020
Fuel Type:	--	Receipt Time:	18:50
Fuel Consumption:	--	Received By:	Vimal
Stack Height:	12 m	Collection Date:	09/09/2020
Stack Diameter:	200 mm	Collection Time:	14:10
Emission Temperature:	32 °C	Collected By:	Sagar
Velocity:	7.09		
Flow:	801.86		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3): 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	6.70	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	9.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

Note:

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**TEST REPORT
(AIR EMISSION)**

ULR:TC727920000002426F

CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20212782
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	17/09/2020
Authorized Person:	Mr. Kalpesh Padaria	Analysis Date:	11/09/2020
Stack Attached To:	Plant - 7 (Reaction Vessel No. 2)	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	10/09/2020
Fuel Type:	--	Receipt Time:	18:50
Fuel Consumption:	--	Received By:	Vimal
Stack Height:	12 m	Collection Date:	09/09/2020
Stack Diameter:	200 mm	Collection Time:	15:10
Emission Temperature:	33 °C	Collected By:	Satyendra
Velocity:	9.26		
Flow:	1047.28		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3): 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	9.10	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	9.00

Remarks:

1. BDL: Below Detectable Limit. DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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1. BDL: Below Detectable Limit, DL: Detectable Limit

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**TEST REPORT
(AIR EMISSION)**

ULR:TC727920000002427F

CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20212783
Location:	Vill: Panelav, P.O- Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	17/09/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	11/09/2020
Stack Attached To:	Plant - 8 A	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	10/09/2020
Fuel Type:	--	Receipt Time:	18:50
Fuel Consumption:	--	Received By:	Vimal
Stack Height:	12 m	Collection Date:	10/09/2020
Stack Diameter:	200 mm	Collection Time:	12:15
Emission Temperature:	31 °C	Collected By:	Satyendra
Velocity:	8.94		
Flow:	1011.09		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3): 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	7.88	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	9.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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End of Report





**TEST REPORT
(AIR EMISSION)
ULR:TC727920000002428F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20212784
Location:	Vill: Panchav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	17/09/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	11/09/2020
Stack Attached To:	Plant - 5	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	10/09/2020
Fuel Type:	--	Receipt Time:	18:50
Fuel Consumption:	--	Received By:	Vimal
Stack Height:	12 m	Collection Date:	10/09/2020
Stack Diameter:	200 mm	Collection Time:	14:15
Emission Temperature:	32 °C	Collected By:	Mayur
Velocity:	8.07 m/s		
Flow:	913 m ³ /h		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3) :-2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	5.74	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	9.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit -

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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End of Report





**TEST REPORT
(AIR EMISSION)**

ULR:TC727920000002429F

CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20212785
Location:	Vill: Panelav, P. O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	17/09/2020
Authorized Person:	Mr. Kalpesh Padaria	Analysis Date:	11/09/2020
Stack Attached To:	Ware House	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	10/09/2020
Fuel Type:	--	Receipt Time:	18:50
Fuel Consumption:	--	Received By:	Vimal
Stack Height:	12 m	Collection Date:	10/09/2020
Stack Diameter:	200 mm	Collection Time:	18:10
Emission Temperature:	33 °C	Collected By:	Mayur
Velocity:	8.87 m/s		
Flow:	1003 m³/h		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3): 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm³	EPO Method 200: 1985	BDL (DL:5.0)	20.00
2	Chlorine (as Cl₂)	mg/Nm³	EPO Method 200: 1985	BDL (DL:5.0)	9.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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1. BDL: Below Detectable Limit, DL: Detectable Limit

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**TEST REPORT
(AIR EMISSION)
ULR:TC727920000002789P
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20213526
Location:	Vill: Panchaj, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	29/10/2020
Authorized Person:	Mr. Kalpesh Padaria	Analysis Date:	22/10/2020
Stack Attached To:	DG Set - 4 (1500 KVA)	Analysed By:	G M Desai
Air Pollution Control System:	—	Receipt Date:	21/10/2020
Fuel Type:	HSD	Receipt Time:	18:30
Fuel Consumption:	300 L/h	Received By:	Vimal
Stack Height:	12 m	Collection Date:	20/10/2020
Stack Diameter:	400 mm	Collection Time:	12:20
Emission Temperature:	92 °C	Collected By:	Mehul
Velocity:	11.82 m/s		
Flow:	5344.53 m ³ /h		
Field Observation:	—		
Flow Rate Measurement:	IS 11255 (Part 3): 2008		
Applicable Standard:	—		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM)	mg/Nm ³	IS: 11255 (Part 1): 1985	63.54	75
2	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2): 1985	47.16 (18.02 ppm)	—
3	Nitrogen Oxide (as NO _x)	mg/Nm ³	IS: 11255 (Part 7): 2005	86.54 (48.00 ppm)	710 ppm
4*	Carbon Monoxide (as CO)	mg/Nm ³	SOP-TEST-02, Issue No.: 01, Issue Date: 20.12.2019	123.00	150
5*	Non-Methane Hydrocarbon (as C)	mg/Nm ³	Electrochemical Method	59.03	100

Remarks:

1. SDL: Below Detectable Limit, DL: Detectable Limit
2. Results are at 15% O₂ & on dry basis.
3. Results are not exceeding limit: PM ≤ 150 mg/Nm³, SO₂ ≤ 100 ppm & NO_x ≤ 50 ppm

Checked By: G. M. Desai (Lab in-charge) Authorized Signatory: Krishna Desai (Partner)

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**TEST REPORT
(AIR EMISSION)
ULR:TC72792000002790P
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20213528
Location:	Vil: Panelav, P.O- Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	29/10/2020
Authorised Person:	Mr. Kalpesh Pedaria	Analysis Date:	22/10/2020
Stack Attached To:	Incinerator	Analysed By:	G M Desai
Air Pollution Control System:	Venturi Scrubber & Quencher	Receipt Date:	21/10/2020
Fuel Type:	Furnace Oil	Receipt Time:	18:30
Fuel Consumption:	15 L/h	Received By:	Vimal
Stack Height:	38 m	Collection Date:	20/10/2020
Stack Diameter:	550 mm	Collection Time:	12:35
Emission Temperature:	58 °C	Collected By:	Mehul
Velocity:	4.02 m/s		
Flow:	3438.30 m ³ /h		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3): 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM)	mg/Nm ³	IS: 11255 (Part 1): 1985	33.29	150.00
2	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2): 1985	16.01	200.00
3	Nitrogen Oxide (as NO _x)	mg/Nm ³	IS: 11255 (Part 7): 2005	10.02	400.00
4*	Carbon Monoxide (as CO)	mg/Nm ³	SCP-TEST-02, Issue No.: 01, Issue Date: 20.12.2019	34.57	100.00
5	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	8.76	50.00
6*	Hydrofluoric Acid (as HF)	mg/Nm ³	Method 13 A, EPA: 2007	BDL (DL: 1.0)	4.00
7*	Total Organic Carbon (as C)	mg/Nm ³	Photo Ionization Detection Method	7.46	20.00

Remarks:

- BDL: Below Detectable Limit, DL: Detectable Limit
- All values corrected to 11% oxygen on a dry basis.

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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**TEST REPORT
(AIR EMISSION)
ULR:TC72792000002791F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20213529
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	29/10/2020
Authorized Person:	Mr. Kalpesh Padaria	Analysis Date:	22/10/2020
Stack Attached To:	Plant - 2	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	21/10/2020
Fuel Type:	—	Receipt Time:	18:30
Fuel Consumption:	—	Received By:	Vimal
Stack Height:	12 m	Collection Date:	21/10/2020
Stack Diameter:	200 mm	Collection Time:	16:20
Emission Temperature:	32 °C	Collected By:	Mehul
Velocity:	7.14		
Flow:	807.51		
Field Observation:	—		
Flow Rate Measurement:	IS 11255 (Part 3): 2008		
Applicable Standard:	—		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	6.24	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	9.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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**TEST REPORT
(AIR EMISSION)
ULR:TC727920000002792F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20213530
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	29/10/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	22/10/2020
Stack Attached To:	Plant - 7 (Reaction Vessel No. 2)	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	21/10/2020
Fuel Type:	--	Receipt Time:	18:30
Fuel Consumption:	--	Received By:	Vimal
Stack Height:	12 m	Collection Date:	21/10/2020
Stack Diameter:	200 mm	Collection Time:	10:45
Emission Temperature:	33 °C	Collected By:	Mehul
Velocity:	9.15		
Flow:	1034.84		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3): 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	8.17	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	9.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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**TEST REPORT
(AIR EMISSION)
ULR:TC72792000002793F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20213531
Location:	Vill: Panelav, P.O- Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	28/10/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	22/10/2020
Stack Attached To:	Plant - B A	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	21/10/2020
Fuel Type:	--	Receipt Time:	18:30
Fuel Consumption:	--	Received By:	Vimal
Stack Height:	12 m	Collection Date:	20/10/2020
Stack Diameter:	200 mm	Collection Time:	15:45
Emission Temperature:	35 °C	Collected By:	Mehul
Velocity:	8.97		
Flow:	1014.48		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3): 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	5.29	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	9.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit.

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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**TEST REPORT
(AIR EMISSION)**

ULR:TC727920000002794F

CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20213532
Location:	Vill: Panchmahal, P.O. Talpura, Tal: Halol, Dist: Panchmahal	Report Date:	25/10/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	22/10/2020
Stack Attached To:	Plant - 5	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	21/10/2020
Fuel Type:	--	Receipt Time:	18:30
Fuel Consumption:	--	Received By:	Vimal
Stack Height:	12 m	Collection Date:	20/10/2020
Stack Diameter:	200 mm	Collection Time:	14:00
Emission Temperature:	31 °C	Collected By:	Kiran
Velocity:	8.16 m/s		
Flow:	923 m ³ /h		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3) - 2006		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1985	8.17	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1985	BDL (DL-5.0)	9.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

Note:

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**TEST REPORT
(AIR EMISSION)**

ULR:TC727920000002795F

CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20213533
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	29/10/2020
Authorized Person:	Mr. Kalpesh Padaria	Analysis Date:	22/10/2020
Stack Attached To:	Ware House	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	21/10/2020
Fuel Type:	—	Receipt Time:	18:30
Fuel Consumption:	—	Received By:	Vimal
Stack Height:	12 m	Collection Date:	20/10/2020
Stack Diameter:	200 mm	Collection Time:	14:45
Emission Temperature:	34 °C	Collected By:	Mehul
Velocity:	8.84 m/s		
Flow:	1000 m ³ /h		
Field Observation:	—		
Flow Rate Measurement:	IS 11255 (Part 3): 2008		
Applicable Standard:	—		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	9.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit *

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

Note:

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End of Report

1. BDL: Below Detectable Limit, DL: Detectable Limit

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Prakruti Environmental Engineers

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**TEST REPORT
(AIR EMISSION)
ULR:TC727920000002796F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20213534
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	29/10/2020
Authorized Person:	Mr. Kalpesh Padaria	Analysis Date:	22/10/2020
Stack Attached To:	Pilot Plant	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	21/10/2020
Fuel Type:	—	Receipt Time:	18:30
Fuel Consumption:	—	Received By:	Vimal
Stack Height:	12 m	Collection Date:	21/10/2020
Stack Diameter:	60 mm	Collection Time:	13:00
Emission Temperature:	32 °C	Collected By:	Kiran
Velocity:	— m/s		
Flow:	— m ³ /h		
Field Observation:	—		
Flow Rate Measurement:	IS 11255 (Part 3) - 2006		
Applicable Standard:	—		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	9.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit.

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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End of Report





**TEST REPORT
(AIR EMISSION)**

ULR:TC727920000002797F

CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20213535
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	29/10/2020
Authorized Person:	Mr. Kalpesh Padana	Analysis Date:	22/10/2020
Stack Attached To:	Plant - 3	Analysed By:	G.M. Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	21/10/2020
Fuel Type:	-	Receipt Time:	18:30
Fuel Consumption:	-	Received By:	Vimal
Stack Height:	12 m	Collection Date:	21/10/2020
Stack Diameter:	200 mm	Collection Time:	14:55
Emission Temperature:	34 °C	Collected By:	Kiran
Velocity:	9.12 m/s		
Flow:	1031 m ³ /h		
Field Observation:	-		
Flow Rate Measurement:	IS: 11255 (Part 3) - 2008		
Applicable Standard:	-		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	9.13	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1986	BDL (DL 5.0)	9.00

Remarks:

1 BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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**TEST REPORT
(AIR EMISSION)
ULR:TC727920000002798F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20213536
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	29/10/2020
Authorized Person:	Mr. Kalpesh Padaria	Analysis Date:	22/10/2020
Stack Attached To:	Plant - 1 (Reaction Vessel No. 1)	Analysed By:	G M Desai
Air Pollution Control System:	Chilled Water Circulation	Receipt Date:	21/10/2020
Fuel Type:	—	Receipt Time:	18:30
Fuel Consumption:	—	Received By:	Vimal
Stack Height:	12 m	Collection Date:	21/10/2020
Stack Diameter:	180 mm	Collection Time:	13:45
Emission Temperature:	32 °C	Collected By:	Kiran
Velocity:	5.90 m/s		
Flow:	427 m³/h		
Field Observation:	—		
Flow Rate Measurement:	IS 11255 (Part 3) - 2008		
Applicable Standard:	—		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Ammonia (as NH ₃)	mg/Nm ³	IS: 11255 (Part 6): 2019	14.58	175.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit -

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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**TEST REPORT
(AIR EMISSION)
ULR:TC727920000002799F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20213537
Location:	Vili: Panelav, P.O. Tajpura, Tal: Haliol, Dist: Panchmahal	Report Date:	28/10/2020
Authorized Person:	Mr. Kalpesh Padaria	Analysis Date:	22/10/2020
Stack Attached To:	Plant - 1 (Reaction Vessel No. 2)	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	21/10/2020
Fuel Type:	--	Receipt Time:	18:30
Fuel Consumption:	--	Received By:	Vimal
Stack Height:	12 m	Collection Date:	21/10/2020
Stack Diameter:	160 mm	Collection Time:	14:30
Emission Temperature:	35 °C	Collected By:	Mehul
Velocity:	5.76 m/s		
Flow:	417 m ³ /h		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3) - 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPO Method 200: 1986	8.17	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPO Method 200: 1986	BDL (DL:5.0)	9.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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**TEST REPORT
(AIR EMISSION)**
ULR:TC72792000003132P
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214154
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	20/11/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	12/11/2020
Stack Attached To:	DG Set - 4 (1500 KVA)	Analysed By:	G M Desai
Air Pollution Control System:	--	Receipt Date:	11/11/2020
Fuel Type:	HSD	Receipt Time:	17:50
Fuel Consumption:	300 L/h	Received By:	Vimal
Stack Height:	12 m	Collection Date:	10/11/2020
Stack Diameter:	400 mm	Collection Time:	12:00
Emission Temperature:	94 °C	Collected By:	Mayur
Velocity:	12.14 m/s		
Flow:	5489.22 m ³ /h		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3): 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM)	mg/Nm ³	IS: 11255 (Part 1): 1985	65.18	75
2	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2): 1985	46.29 (17.68 ppm)	--
3	Nitrogen Oxide (as NO _x)	mg/Nm ³	IS: 11255 (Part 7): 2006	88.62 (47.10 ppm)	710 ppm
4*	Carbon Monoxide (as CO)	mg/Nm ³	SOP-TEST-02, Issue No.: 01, Issue Date: 20.12.2019	125.40	150
5*	Non-Methane Hydrocarbon (as C)	mg/Nm ³	Electrochemical Method	60.36	100

Remarks:

- BDL: Below Detectable Limit, DL: Detectable Limit
- Results are at 15% O₂ & on dry basis.
- Results are not exceeding limit: PM ≤ 150 mg/Nm³, SO₂ ≤ 100 ppm & NO_x ≤ 50 ppm

Checked By: Binal Shah (Quality Manager)

Authorized Signatory: Krishna Desai (Partner)

Note:

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**TEST REPORT
(AIR EMISSION)**

ULR:TC727920000003133F

CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214157
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	20/11/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	12/11/2020
Stack Attached To:	Plant - 2	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	11/11/2020
Fuel Type:	--	Receipt Time:	17:50
Fuel Consumption:	--	Received By:	Vimal
Stack Height:	12 m	Collection Date:	10/11/2020
Stack Diameter:	200 mm	Collection Time:	11:50
Emission Temperature:	33 °C	Collected By:	Satyendra
Velocity:	7.36 m/s		
Flow:	832.40 m³/h		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3): 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm³	EPD Method 200: 1986	7.28	20.00
2	Chlorine (as Cl₂)	mg/Nm³	EPD Method 200: 1986	BDL (DL:5.0)	9.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: Binal Shah (Quality Manager)

Authorized Signatory: Krishna Desai (Partner)

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**TEST REPORT
(AIR EMISSION)
ULR:TC72792000003134F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214158
Location:	VII: Panchav, P.O. Tajpura, Tal: Hailol, Dist: Panchmahal	Report Date:	20/11/2020
Authorized Person:	Mr. Kalpesh Padana	Analysis Date:	12/11/2020
Stack Attached To:	Plant - 7 (Reaction Vessel No. 2)	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	11/11/2020
Fuel Type:	--	Receipt Time:	17:50
Fuel Consumption:	--	Received By:	Vimal
Stack Height:	12 m	Collection Date:	10/11/2020
Stack Diameter:	200 mm	Collection Time:	12:40
Emission Temperature:	34 °C	Collected By:	Sagar
Velocity:	9.7 m/s		
Flow:	1097.04 m ³ /h		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3): 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	8.46	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	9.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: Binal Shah (Quality Manager)

Authorized Signatory: Krishna Desai (Partner)

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**TEST REPORT
(AIR EMISSION)
ULR:TC727920000003135F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214159
Location:	Vill: Panelav, P.O- Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	20/11/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	12/11/2020
Stack Attached To:	Plant - 8 A	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	11/11/2020
Fuel Type:	--	Receipt Time:	17:50
Fuel Consumption:	--	Received By:	Vimal
Stack Height:	12 m	Collection Date:	10/11/2020
Stack Diameter:	200 mm	Collection Time:	13:30
Emission Temperature:	32 °C	Collected By:	Satyendra
Velocity:	8.46 m/s		
Flow:	956.80 m ³ /h		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3): 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	6.12	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	9.00

Remarks:

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Checked By: Binal Shah (Quality Manager)

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**TEST REPORT
(AIR EMISSION)
ULR: TC727920000003136F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214160
Location:	VIII, Panelav, P.O. Tajpura, Tal: Haiol, Dist: Panchmahal	Report Date:	20/11/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	12/11/2020
Stack Attached To:	Plant - 5	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	11/11/2020
Fuel Type:	--	Receipt Time:	17:50
Fuel Consumption:	--	Received By:	Vimal
Stack Height:	12 m	Collection Date:	10/11/2020
Stack Diameter:	200 mm	Collection Time:	11:05
Emission Temperature:	33 °C	Collected By:	Mayur
Velocity:	8.26 m/s		
Flow:	834 m ³ /h		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3) :-2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	8.62	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	9.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: Binal Shah (Quality Manager)

Authorized Signatory: Krishna Desai (Partner)

Note:

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**TEST REPORT
(AIR EMISSION)**

ULR:TC727920000003137F

CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214161
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	20/11/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	12/11/2020
Stack Attached To:	Ware House	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	11/11/2020
Fuel Type:	--	Receipt Time:	17:50
Fuel Consumption:	--	Received By:	Vimal
Stack Height:	12 m	Collection Date:	10/11/2020
Stack Diameter:	200 mm	Collection Time:	11:55
Emission Temperature:	32 °C	Collected By:	Satyendra
Velocity:	9.08 m/s		
Flow:	1027 m ³ /h		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3): 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	9.00

Remarks:

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Checked By: Binal Shah (Quality Manager)

Authorized Signatory: Krishna Desai (Partner)

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**TEST REPORT
(AIR EMISSION)
ULR:TC727920000003138F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214163
Location:	VII: Patelav, P.O. Tajpura, Tal: Haldol, Dist: Panchmahal	Report Date:	20/11/2020
Authorized Person:	Mr. Kalpesh Padaria	Analysis Date:	12/11/2020
Stack Attached To:	Plant - 1 (Reaction Vessel No. 1)	Analysed By:	G M Desai
Air Pollution Control System:	Chilled Water Circulation	Receipt Date:	11/11/2020
Fuel Type:	--	Receipt Time:	17:50
Fuel Consumption:	--	Received By:	Vimal
Stack Height:	12 m	Collection Date:	10/11/2020
Stack Diameter:	160 mm	Collection Time:	14:20
Emission Temperature:	34 °C	Collected By:	Sagar
Velocity:	6.11 m/s		
Flow:	442 m ³ /h		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3) - 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Ammonia (as NH ₃)	mg/Nm ³	IS: 11255 (Part 6): 2019	13.65	175.00

Remarks:

1. BOL: Below Detectable Limit, DL: Detectable Limit

Checked By: Binal Shah (Quality Manager)

Authorized Signatory: Krishna Desai (Partner)

Note:

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End of Report





**TEST REPORT
(AIR EMISSION)**

ULR:TC727920000003139F

CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214164
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	20/11/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	12/11/2020
Stack Attached To:	Plant - 1 (Reaction Vessel No. 2)	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	11/11/2020
Fuel Type:	--	Receipt Time:	17:50
Fuel Consumption:	--	Received By:	Vimal
Stack Height:	12 m	Collection Date:	10/11/2020
Stack Diameter:	160 mm	Collection Time:	15:15
Emission Temperature:	32 °C	Collected By:	Mayur
Velocity:	5.89 m/s		
Flow:	417 m ³ /h		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3) - 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	8.27	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	8.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: Binal Shah (Quality Manager)

Authorized Signatory: Krishna Desai (Partner)

Note:

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End of Report

1. BDL: Below Detectable Limit, DL: Detectable Limit






TEST REPORT
(AMBIENT AIR QUALITY)
ULR:TC727920000003409F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214784
Location:	Vill. Panslav, P.O. Tajpura, Tal. Helol, Dist: Panchmahal	Report Date:	18/12/2020
		Analysis Date:	11/12/2020
		Analysed By:	G M Desai
Authorised Person:	Mr. Kalpesh Padaria	Receipt Date:	10/12/2020
Station:	Utility Area	Receipt Time:	18:05
Sampling Duration:	24 hours	Received By:	Vimal
Field Observation:	--	Collection Date:	09/12/2020
Monitoring Method:	IS: 5182 (Part 14): 2000 & (Part 5): 1975	Collection Time:	13:55
Applicable Standard:	NAAQS: 2009	Collected By:	Mayur

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	83.70	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	27.69	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	14.52	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	13.94	80

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)  Authorized Signatory: Krishna Desai (Partner)

Note:

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End of Report



PRAKRUTI

TEST REPORT (AIR EMISSION)

ULR:TC72792000003411P

CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214786
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	18/12/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	11/12/2020
Stack Attached To:	DG Set - 2 (1500 KVA)	Analysed By:	G M Desai
Air Pollution Control System:	—	Receipt Date:	10/12/2020
Fuel Type:	HSD	Receipt Time:	18:05
Fuel Consumption:	300 L/h	Received By:	Vimal
Stack Height:	12 m	Collection Date:	10/12/2020
Stack Diameter:	400 mm	Collection Time:	13:15
Emission Temperature:	98 °C	Collected By:	Sagar
Velocity:	11.68 m/s		
Flow:	5281.23 m ³ /h		
Field Observation:	—		
Flow Rate Measurement:	IS 11255 (Part 3): 2008		
Applicable Standard:	—		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM)	mg/Nm ³	IS: 11255 (Part 1): 1985	59.53	75
2	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2): 1985	52.15 (19.92 ppm)	—
3	Nitrogen Oxide (as NO _x)	mg/Nm ³	IS: 11255 (Part 7): 2005	82.21 (43.70 ppm)	710 ppm
4*	Carbon Monoxide (as CO)	mg/Nm ³	SOP-TEST-02, Issue No.: 01, Issue Date: 20.12.2019	127.84	150
5*	Non-Methane Hydrocarbon (as C)	mg/Nm ³	Electrochemical Method	57.00	100

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit
2. Results are at 15% O₂ & on dry basis.
3. Results are not exceeding limit; PM ≤ 150 mg/Nm³, SO₂ ≤ 100 ppm & NO_x ≤ 50 ppm

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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**TEST REPORT
(AIR EMISSION)
ULR:TC727920000003413P
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214788
Location:	Vill: Panelav, P.O- Tagura, Tal: Halol, Dist: Panchmahal	Report Date:	18/12/2020
Authorized Person:	Mr. Kalpesh Padana	Analysis Date:	11/12/2020
Stack Attached To:	Incinerator	Analysed By:	G M Desai
Air Pollution Control System:	Venturi Scrubber & Quencher	Receipt Date:	10/12/2020
Fuel Type:	Furnace Oil	Receipt Time:	18:05
Fuel Consumption:	15 L/h	Received By:	Vimal
Stack Height:	38 m	Collection Date:	09/12/2020
Stack Diameter:	550 mm	Collection Time:	11:30
Emission Temperature:	72 °C	Collected By:	Sagar
Velocity:	3.74 m/s		
Flow:	3196.82 m ³ /h		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3): 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM)	mg/Nm ³	IS: 11255 (Part 1): 1985	28.04	150.00
2	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2): 1985	18.10	200.00
3	Nitrogen Oxide (as NO _x)	mg/Nm ³	IS: 11255 (Part 7): 2005	8.00	400.00
4*	Carbon Monoxide (as CO)	mg/Nm ³	SOP-TEST-02, Issue No.: 01, Issue Date: 20.12.2019	21.82	100.00
5	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	6.38	50.00
6*	Hydrofluoric Acid (as HF)	mg/Nm ³	Method 13 A, EPA: 2007	BOL (DL: 1.0)	4.00
7*	Total Organic Carbon (as C)	mg/Nm ³	Photo Ionization Detection Method	7.92	20.00

Remarks:

1. BOL: Below Detectable Limit, DL: Detectable Limit
2. All values corrected to 11% oxygen on a dry basis.

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

Note:

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**TEST REPORT
(AIR EMISSION)
ULR:TC727920000003414F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214789
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	18/12/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	11/12/2020
Stack Attached To:	Plant - 2	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	10/12/2020
Fuel Type:	—	Receipt Time:	18:05
Fuel Consumption:	—	Received By:	Vimal
Stack Height:	12 m	Collection Date:	10/12/2020
Stack Diameter:	200 mm	Collection Time:	14:00
Emission Temperature:	33 °C	Collected By:	Mayur
Velocity:	7.20 m/s		
Flow:	814.30 m ³ /h		
Field Observation:	—		
Flow Rate Measurement:	IS 11255 (Part 3): 2008		
Applicable Standard:	—		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	5.46	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	9.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab In-charge)

Authorized Signatory: Krishna Desai (Partner)

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**TEST REPORT
(AIR EMISSION)
ULR:TC727920000003415F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214790
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	18/12/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	11/12/2020
Stack Attached To:	Plant - 7 (Reaction Vessel No. 2)	Analysed By:	G. M. Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	10/12/2020
Fuel Type:	--	Receipt Time:	18:05
Fuel Consumption:	--	Received By:	Vimal
Stack Height:	12 m	Collection Date:	09/12/2020
Stack Diameter:	200 mm	Collection Time:	12:15
Emission Temperature:	34 °C	Collected By:	Sagar
Velocity:	9.42 m/s		
Flow:	1065.38 m ³ /m		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3): 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPO Method 200: 1086	7.26	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPO Method 200: 1086	BDL (DL:5.0)	9.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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**TEST REPORT
(AIR EMISSION)
ULR:TC727920000003416F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214791
Location:	Vill: Panchajay, P.O- Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	18/12/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	11/12/2020
Stack Attached To:	Plant - 8 A	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	10/12/2020
Fuel Type:	--	Receipt Time:	18:05
Fuel Consumption:	--	Received By:	Vimal
Stack Height:	12 m	Collection Date:	09/12/2020
Stack Diameter:	200 mm	Collection Time:	14:30
Emission Temperature:	35 °C	Collected By:	Mayur
Velocity:	9.96 m/s		
Flow:	1126.45 m ³ /h		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3): 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	9.26	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	9.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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**TEST REPORT
(AIR EMISSION)
ULR:TC727920000003417F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214792
Location:	Vill: Parelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	18/12/2020
Authorized Person:	Mr. Kalpesh Padaria	Analysis Date:	11/12/2020
Stack Attached To:	Plant - 5	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	10/12/2020
Fuel Type:	--	Receipt Time:	18:05
Fuel Consumption:	--	Received By:	Vimal
Stack Height:	12 m	Collection Date:	10/12/2020
Stack Diameter:	200 mm	Collection Time:	14:00
Emission Temperature:	34 °C	Collected By:	Sagar
Velocity:	8.18 m/s		
Flow:	925 m ³ /h		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3) -2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	6.82	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	9.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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**TEST REPORT
(AIR EMISSION)**

ULR:TC727920000003418F

CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214793
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	18/12/2020
Authorized Person:	Mr. Kalpesh Padaria	Analysis Date:	11/12/2020
Stack Attached To:	Ware House	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	10/12/2020
Fuel Type:	---	Receipt Time:	18:06
Fuel Consumption:	---	Received By:	Vimal
Stack Height:	12 m	Collection Date:	10/12/2020
Stack Diameter:	200 mm	Collection Time:	14:45
Emission Temperature:	33 °C	Collected By:	Mayur
Velocity:	9.06 m/s		
Flow:	1025 m ³ /h		
Field Observation:	---		
Flow Rate Measurement:	IS 11255 (Part 3): 2008		
Applicable Standard:	---		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	9.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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1. BDL: Below Detectable Limit, DL: Detectable Limit

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**TEST REPORT
(AIR EMISSION)
ULR:TC727920000003419F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214794
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	18/12/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	11/12/2020
Stack Attached To:	Pilot Plant	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	10/12/2020
Fuel Type:	--	Receipt Time:	18:05
Fuel Consumption:	--	Received By:	Vimal
Stack Height:	12 m	Collection Date:	09/12/2020
Stack Diameter:	60 mm	Collection Time:	15:15
Emission Temperature:	33 °C	Collected By:	Sagar
Velocity:	-- m/s		
Flow:	-- m ³ /h		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3) - 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1986	BDL (DL:5.0)	9.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

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**TEST REPORT
(AIR EMISSION)
ULR:TC727920000003420F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214795
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	18/12/2020
Authorised Person:	Mr. Kalpesh Padaria	Analysis Date:	11/12/2020
Stack Attached To:	Plant - 1 (Reaction Vessel No. 1)	Analysed By:	G M Desai
Air Pollution Control System:	Chilled Water Circulation	Receipt Date:	10/12/2020
Fuel Type:	--	Receipt Time:	18:05
Fuel Consumption:	--	Received By:	Vimal
Stack Height:	12 m	Collection Date:	09/12/2020
Stack Diameter:	160 mm	Collection Time:	16:00
Emission Temperature:	33 °C	Collected By:	Sagar
Velocity:	5.52 m/s		
Flow:	400 m ³ /h		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3) - 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Ammonia (as NH ₃)	mg/Nm ³	IS: 11255 (Part 5): 2019	8.50	175.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab In-charge)

Authorized Signatory: Krishna Desai (Partner)

Note:

- The tests marked with * are not accredited by NABL.
- The results refer only to the tested sample(s) and applicable parameter(s).
- Sample(s) will be destroyed after 10 days from the report date unless otherwise specified.
- This report is not to be reproduced wholly or in part without written approval from Prakruti Environmental Engineers.
- Prakruti Environmental Engineers is not responsible for the authenticity of the sample(s) not collected by our Environmental Laboratory.
- Measurement Uncertainty is not mentioned in the test report and the same can be communicated to the customer on request.

End of Report





**TEST REPORT
(AIR EMISSION)
ULR:TC727920000003421F
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214798
Location:	Vill. Panelav, P.O. Tajpura, Tal. Halol, Dist: Panchmahal	Report Date:	18/12/2020
Authorized Person:	Mr. Kalpesh Padaria	Analysis Date:	11/12/2020
Stack Attached To:	Plant - 1 (Reaction Vessel No. 2)	Analysed By:	G M Desai
Air Pollution Control System:	Alkali Scrubber	Receipt Date:	10/12/2020
Fuel Type:	--	Receipt Time:	18:05
Fuel Consumption:	--	Received By:	Vimal
Stack Height:	12 m	Collection Date:	09/12/2020
Stack Diameter:	160 mm	Collection Time:	16:45
Emission Temperature:	34 °C	Collected By:	Sagar
Velocity:	5.78 m/s		
Flow:	417 m ³ /h		
Field Observation:	--		
Flow Rate Measurement:	IS 11255 (Part 3) - 2008		
Applicable Standard:	--		

SN	PARAMETERS	UNITS	METHOD REFERENCE	RESULTS	PERMISSIBLE LIMIT
1	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	8.05	20.00
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1986	BDL (DL-5.0)	9.00

Remarks:

1. BDL: Below Detectable Limit, DL: Detectable Limit

Checked By: G. M. Desai (Lab In-charge):

Authorized Signatory: Krishna Desai (Partner)

Note:

1. The tests marked with * are not accredited by NABL.
2. The results refer only to the tested sample(s) and applicable parameter(s).
3. Sample(s) will be destroyed after 10 days from the report date unless otherwise specified.
4. This report is not to be reproduced wholly or in part without written approval from Prakruti Environmental Engineers.
5. Prakruti Environmental Engineers is not responsible for the authenticity of the sample(s) not collected by our Environmental Laboratory.
6. Measurement Uncertainty is not mentioned in the test report and the same can be communicated to the customer on request.

End of Report

ANNEXURE 7: Daily Fresh Water Consumption Data

Jul-20			Aug-20			Sep-20		
Consumption		Meter reading	Consumption		Meter reading	Consumption		Meter reading
Date	KLD		Date	KLD		Date	KLD	
01-Jul-20	152	82931	01-Aug-20	158	4021	01-Sep-20	152	8824
02-Jul-20	152	83083	02-Aug-20	158	4179	02-Sep-20	158	8982
03-Jul-20	154	83237	03-Aug-20	157	4336	03-Sep-20	156	9138
04-Jul-20	155	83392	04-Aug-20	152	4488	04-Sep-20	155	9293
05-Jul-20	154	83546	05-Aug-20	155	4643	05-Sep-20	154	9447
06-Jul-20	152	6	06-Aug-20	156	4799	06-Sep-20	154	9601
07-Jul-20	156	162	07-Aug-20	154	4953	07-Sep-20	156	9757
08-Jul-20	154	316	08-Aug-20	157	5110	08-Sep-20	150	9907
09-Jul-20	155	471	09-Aug-20	156	5266	09-Sep-20	152	10059
10-Jul-20	157	628	10-Aug-20	155	5421	10-Sep-20	155	10214
11-Jul-20	158	786	11-Aug-20	155	5576	11-Sep-20	157	10371
12-Jul-20	153	939	12-Aug-20	156	5732	12-Sep-20	156	10527
13-Jul-20	152	1091	13-Aug-20	157	5889	13-Sep-20	155	10682
14-Jul-20	155	1246	14-Aug-20	154	6043	14-Sep-20	150	10832
15-Jul-20	151	1397	15-Aug-20	155	6198	15-Sep-20	154	10986
16-Jul-20	150	1547	16-Aug-20	152	6350	16-Sep-20	158	11144
17-Jul-20	154	1701	17-Aug-20	158	6508	17-Sep-20	156	11300
18-Jul-20	152	1853	18-Aug-20	153	6661	18-Sep-20	157	11457
19-Jul-20	152	2005	19-Aug-20	153	6814	19-Sep-20	154	0
20-Jul-20	150	2155	20-Aug-20	155	6969	20-Sep-20	157	157
21-Jul-20	151	2306	21-Aug-20	154	7123	21-Sep-20	153	310
22-Jul-20	152	2458	22-Aug-20	152	7275	22-Sep-20	153	463
23-Jul-20	153	2611	23-Aug-20	156	7431	23-Sep-20	150	613
24-Jul-20	158	2769	24-Aug-20	160	7591	24-Sep-20	158	771
25-Jul-20	155	2924	25-Aug-20	157	7748	25-Sep-20	155	926
26-Jul-20	156	3080	26-Aug-20	156	7904	26-Sep-20	152	1078
27-Jul-20	158	3238	27-Aug-20	151	8055	27-Sep-20	151	1229
28-Jul-20	155	3393	28-Aug-20	152	8207	28-Sep-20	151	1380
29-Jul-20	158	3551	29-Aug-20	156	8363	29-Sep-20	151	1531
30-Jul-20	155	3706	30-Aug-20	157	8520	30-Sep-20	153	1684
31-Jul-20	157	3863	31-Aug-20	152	8672			
Total	4776		Total	4809		Total	4623	

Oct-20

Consumption		Meter reading
Date	KLD	
01-Oct-20	158	1842
02-Oct-20	159	2001
03-Oct-20	157	2158
04-Oct-20	160	2318
05-Oct-20	158	2476
06-Oct-20	159	2635
07-Oct-20	155	2790
08-Oct-20	157	2947
09-Oct-20	155	3102
10-Oct-20	157	3259
11-Oct-20	157	3416
12-Oct-20	158	3574
13-Oct-20	155	3729
14-Oct-20	158	3887
15-Oct-20	159	4046
16-Oct-20	160	4206
17-Oct-20	158	4364
18-Oct-20	159	4523
19-Oct-20	158	4681
20-Oct-20	158	4839
21-Oct-20	159	4998
22-Oct-20	160	5158
23-Oct-20	159	5317
24-Oct-20	158	0
25-Oct-20	155	155
26-Oct-20	156	311
27-Oct-20	157	468
28-Oct-20	155	623
29-Oct-20	154	777
30-Oct-20	155	932
31-Oct-20	159	1091
Total	4882	

Nov-20

Consumption		Meter reading
Date	KLD	
01-Nov-20	155	1246
02-Nov-20	152	1398
03-Nov-20	158	1556
04-Nov-20	156	1712
05-Nov-20	150	1862
06-Nov-20	155	2017
07-Nov-20	156	2173
08-Nov-20	157	2330
09-Nov-20	158	2488
10-Nov-20	159	2647
11-Nov-20	158	2805
12-Nov-20	156	2961
13-Nov-20	160	3121
14-Nov-20	160	3281
15-Nov-20	153	3434
16-Nov-20	154	3588
17-Nov-20	155	3743
18-Nov-20	149	3892
19-Nov-20	150	4042
20-Nov-20	158	4200
21-Nov-20	155	4355
22-Nov-20	159	4514
23-Nov-20	155	4669
24-Nov-20	158	4827
25-Nov-20	156	4983
26-Nov-20	152	5135
27-Nov-20	153	5288
28-Nov-20	157	5445
29-Nov-20	152	5597
30-Nov-20	153	5750
Total	4659	

Dec-20

Consumption		Meter reading
Date	KLD	
01-Dec-20	153	5903
02-Dec-20	158	6061
03-Dec-20	158	6219
04-Dec-20	154	6373
05-Dec-20	150	6523
06-Dec-20	155	6678
07-Dec-20	157	6835
08-Dec-20	152	6987
09-Dec-20	151	7138
10-Dec-20	153	7291
11-Dec-20	158	7449
12-Dec-20	156	7605
13-Dec-20	158	7763
14-Dec-20	157	7920
15-Dec-20	154	8074
16-Dec-20	154	8228
17-Dec-20	155	8383
18-Dec-20	152	8535
19-Dec-20	150	8685
20-Dec-20	151	8836
21-Dec-20	156	8992
22-Dec-20	143	9135
23-Dec-20	160	9295
24-Dec-20	159	9454
25-Dec-20	144	9598
26-Dec-20	143	9741
27-Dec-20	141	9882
28-Dec-20	150	10032
29-Dec-20	151	10183
30-Dec-20	150	10333
31-Dec-20	148	10481
Total	4731	

ANNEXURE 8: NOC form CGWA



भारत सरकार
जल शक्ति मंत्रालय
जल ससाधन, नदी विकास
और गंगा संरक्षण विभाग
केन्द्रीय भूमि जल प्राधिकरण
Government of India
Ministry of Jal Shakti
Department of Water Resources,
River Development & Ganga Rejuvenation
Central Ground Water Authority

(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)

NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

Project Name:	M/s Alembic Pharmaceuticals Limited (API Division I)		
Project Address:	Survey No. 119,121,132,133, Panelav, Halol, Panch Mahals, Gujarat		
Village:	Panelav	Block:	Halol
District:	Panch Mahals	State:	Gujarat
Pin Code:	389350		
Communication Address:	M/s Alembic Pharmaceuticals Limited (API Division I), Survey No. 119,121,132,133, Panelav, Halol, Panch Mahals, Gujarat – 389350		
Address of CGWB Regional Office	Central Ground Water Board, West Central Region, Swami Narayan College Building, Shah Alam Tolnaka, Ahmedabad, Gujarat – 380022		

1.	NOC No.:	CGWA/NOC/IND/ORIG/2020/8262									
2.	Application No.:	21-4/3018/GJ/IND/2017					3.	Category:	Industry		
4.	Project Status:	Existing Project					5.	NOC Type:	New		
6.	Valid from:	30/06/2020					7.	Valid up to:	29/06/2022		
8.	Ground Water Abstraction Permitted:										
Fresh Water		Saline Water				Dewatering		Total			
m ³ /day		m ³ /year		m ³ /day		m ³ /year		m ³ /day		m ³ /year	
160.00		57600.00						160.00		57600.00	
9.	Details of ground water abstraction /Dewatering structures										
Total Existing No.:2						Total Proposed No.:0					
		DW	DCB	BW	TW	MP	DW	DCB	BW	TW	MP
Abstraction Structure*		0	0	2	0	0	0	0	0	0	0
*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit											
10.	Quantum of ground water recharge/harvesting (m ³ /year):					35932.00					
11.	Number of Piezometers (Observation wells) to be constructed/ monitored & Monitoring mechanism.					No. of Piezometers	Monitoring Mechanism				
							Manual	DWLR**		DWLR With Telemetry	
**DWLR - Digital Water Level Recorder						1	0	1		0	

(Compliance Conditions given overleaf)

Digitally signed by
NANDAKUMARAN P
Date: 2020.07.10 14:00:15 +05'30'

सदस्य (केन्द्रीय भूमि जल प्राधिकरण)
Member (CGWA)

18/11, जयमन्दार हाउस, मन्सिंह रोड, नई दिल्ली - 110011 / 18/11, Jannagar House, Mansingh Road, New Delhi-110011
Phone: (011) 23383461 Fax: 23382851, 23386743
Website: cgwa-noc.gov.in

पानी बचाये - जीवन बचाये

Validity of this NOC shall be subject to compliance of the following mandatory conditions:

1. No additional ground water abstraction and/or de-watering structures shall be constructed for this purpose without prior approval of the Central Ground Water Authority (CGWA).
2. The proponent shall seek prior permission from CGWA for any increase in quantum of groundwater abstraction (more than that permitted in NOC for specific period).
3. All new as well as existing ground water abstraction/ de-watering structures shall be fitted with digital water flow meters by the firm at its own cost immediately on completion of their construction or grant of NOC as the case may be. In case of renewal of NOCs, all existing ground water abstraction structures shall continue to be fitted with digital water flow meters. Intimation of installation of flow meters shall be sent by the proponent to the Regional Director of CGWB within 6 months of grant of NOC. Daily ground water abstraction data shall be monitored / continue to be monitored (in case of renewal) by the firm and recorded in a log book. Details of month-wise ground water abstraction shall be submitted to the Regional Director, CGWB, once every year.
4. In case the ground water abstraction is more than 10 m³/day, monthly water level monitoring data shall be maintained and submitted annually to the Regional Office of CGWB. Wherever groundwater withdrawal is more than 500 m³/day, the firm shall install telemetry system in one of the piezometers and share USER ID and password of the telemetry system with the Regional Director, CGWB.
5. In case ground water abstraction is more than 10 m³/day, ground water quality shall be monitored once in a year (during pre- monsoon period) and the report submitted to the Regional Director, CGWB.
6. **The firm shall conserve roof top rain water by constructing storage tank on the surface. The firm shall not recharge within the premises.** Ground water augmentation/harvesting measures, as stipulated in the NOC, shall be implemented (in new cases) / continue to be maintained (in case of renewal) in consultation with the Regional Director, CGWB.
7. Proof of recharge/ water harvesting (photographs of structures constructed) shall be submitted to the Regional Director, CGWB. The firm shall also undertake periodic maintenance of recharge/water harvesting structures at its own cost.
8. The firm shall optimize water use through recycling/ reuse of waste water after proper treatment.
9. The project proponent shall take all necessary measures to prevent contamination of ground water in the premises, failing which the firm shall be responsible for any consequences arising thereupon.
10. In case of industries likely to contaminate the ground water, no recharge measures shall be taken up by the firm inside the plant premises. The runoff generated from the rooftop shall be stored and put to beneficial use by the firm.
11. Wherever the NOC is for abstraction of saline water and the existing wells (s) is /are yielding fresh water, the same shall be sealed and new tubewell(s) tapping saline water zone shall be constructed within 3 months of the issuance of NOC. The firm shall also ensure safe disposal of saline residue, if any.
12. In case of mining projects, additional key wells shall be established in consultation with the Regional Director, CGWB for ground water level monitoring four (4) times a year (January, May, August and November) in core as well as buffer zones of the mine.
13. Unexpected variations in inflow of ground water into the mine pit, if any, shall be reported to the Regional Director, Central Ground Water Board.
14. The firm shall report compliance of the NOC conditions online in the website (www.cgwa-noc.gov.in) within one year from the date of issue of this NOC.
15. This NOC is subject to prevailing Central/ State Government rules/ laws/ norms or Court orders related to construction of tube well/ ground water abstraction structure/ recharge or conservation structure/discharge of effluents or any such matter as applicable.
16. This NOC does not absolve the proponents of their obligation/ requirement to obtain other statutory and administrative clearances from appropriate authorities.
17. The issue of this NOC does not imply that other statutory/ administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and take decisions independently of the NOC.
18. This NOC is being issued without any prejudice to the directions of the Hon'ble NGT/ court orders in cases related to ground water or any other related matters.
19. Application for renewal can be submitted online from 90 days before the expiry of NOC. Application for renewal of expired NOCs shall not be entertained and subsequent ground water withdrawal, if any, shall be illegal & liable for legal action as per provisions of Environment Protection Act (EPA), 1986.
20. **In case of any violation of NOC conditions or illegal extraction of Ground water the firm shall be liable to pay "Environmental Compensation"/ "Penalty", if any under Sec 15 of EPA 1986 as and when decided by statutory authorities.**

(Non-compliance of the conditions mentioned above is likely to result in the cancellation of NOC and legal action against the proponent.)

ANNEXURE 9: Form 37

Form-37 Third Party Reports

FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A(a)(e).

Industry:	Alembic Pharmaceuticals Limited	Ref. No.:	19205804
Location:	API-1, Vill.: Panetar, P.O.: Tajpura, Tal.: Halol, Dist.: Panchmahal	Report Date:	9/01/2020
Authorised Person:	Mr. Lav Varia	Analysis Date:	7/01/2020
Additional Information:		Analysed By:	G M Desai
Sample collection and analysis by:		Receipt Date:	6/01/2020
Name: Mr. Girish M. Desai		Receipt Time:	19:00
Qualification: M.Sc. Organic Chemistry		Received By:	Hitesh Parmar
Organisation: Prakruti Environmental Engineers		Collection Date:	6/01/2020
Address: PRAKRUTI, 3rd & 4th Floor, On Bil Road, Vill.: Bil, Vadodara - 391		Collection Time:	10:15
		Collected By:	G M Desai

1 Name of the Department / Plant


Plant - 01 A

2 Raw materials, by-products and finished products involving in the process.

Raw Material: Azithromycin Dihydrate Acetate,
Clarithromycin Crude, Ethyl Alcohol & MDC,
Finished Products: Clarithromycin Stage-2.

3 Particulars of sampling

Sr. No.	Location/ Operation Mentioned	Identified contaminant	Sampling instrument used	Airborne Contamination		Average
				Number of samples	Range	
1	2	3	4	5	6	7
1	Powder Processing Area CF028	Particulate Matter	Handy Sampler	1	—	0.294 mg/m ³
2	Near RE108	Acetone	PID Gas Detector	5	10.0 - 11.9 ppm	11.18 ppm
3	RE 001	MDC		5	12.8 - 16.0 ppm	14.16 ppm

Sr. No.	TWA concentration (As given in second schedule)	Reference method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letter)
1	8	9	10	11	12	13
1	5 mg/m ³	Gravimetric Method	3	CF028 In Operation		GIRISH M DESAI
2	750ppm	Photo Ionization Detection		RE 108 In Operation		
3	25 ppm			RE 001 In Operation		



FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A(a)(e).

Industry:	Alembic Pharmaceuticals Limited	Ref. No.:	19205805
Location:	API-1, Vill.: Panetarav, P.O.: Tapura, Tal.: Halol, Dist.: Panchmahal	Report Date:	9/01/2020
Authorized Person:	Mr. Lav Varia	Analysis Date:	7/01/2020
Additional Information:		Analysed By:	G M Desai
Sample collection and analysis by:		Receipt Date:	6/01/2020
Name: Mr. Girish M. Desai		Receipt Time:	19:00
Qualification: M.Sc. Organic Chemistry		Received By:	Hitesh Parmar
Organisation: Prakruti Environmental Engineers		Collection Date:	6/01/2020
Address: PRAKRUTI, 3rd & 4th Floor, On Bil Road, Vill.: Bil, Vadodara - 391		Collection Time:	10:45
		Collected By:	G M Desai

1 Name of the Department / Plant


Plant - 01B

2 Raw materials, by-products and finished products involving in the process.

Raw Material: Crude-Azithromycine
 dihydrate, Clarithromycine, Ethyl Alcohol, Acetone, MDC,
 Methyl Tetra Butyl Ether
 Finished Products: Azithromycin dihydrate (stage 1),
 clarithromycine

3 Particulars of sampling

Sr. No.	Location/ Operation Mentioned	Identified contaminant	Sampling instrument used	Airborne Contamination		Average
				Number of samples	Range	
1	2	3	4	5	6	7
1	Ground Floor CF002	Particulate Matter	Handy Sampler	1	—	0.376 mg/m ³
2	Ground Floor CF030	Ethyl alcohol	PID Gas Detector	5	11.0 - 14.5 ppm	12.76 ppm
3	Ground Floor CF035	Ethyl Alcohol		5	55.2 - 78.7 ppm	63.68 ppm
		Acetone		5	26.2 - 31.4 ppm	28.15 ppm
4	Ground Floor CF029	Ethyl Alcohol		5	10.2 - 12.4 ppm	11.30 ppm
5	First Floor RE106	Methyl Tetra Butyl Ether		5	10.7 - 14.3 ppm	12.25 ppm
6	First Floor RE028	MDC		5	7.7 - 9.3 ppm	8.65 ppm
7	First Floor RE079	Ethyl Alcohol		5	9.2 - 12.7 ppm	11.03 ppm
8	First Floor RE077	Ethyl Alcohol		5	8.0 - 11.3 ppm	9.68 ppm

SN	TWA concentration	Reference method	Number of workers exposed	Remarks	Signature of person taking	Name (in block letter)
1	8	9	10	11	12	13
1	5 mg/m ³	Gravimetric method	3	CF002 In Operation		GIRISH M DESAI
2	1000 ppm	Photo Ionization Detection	3	CF030 In Operation		
3	1000 ppm			CF035 In Operation		
4	750 ppm			CF029 In Operation		
5	—			RE106 In Operation		
6	25 ppm			RE028 In Operation		
7	1000 ppm			RE079 In Operation		
8	1000 ppm			RE077 In Operation		

FORM NO. 37
(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A(a)(e).

Industry:	Alembic Pharmaceuticals Limited	Ref. No.:	19205806
Location:	API-1, Vill.: Panelav, P.O.: Tajpura, Tal.: Halol, Dist.: Panchmahal	Report Date:	9/01/2020
Authorised Person:	Mr. Lav Varia	Analysis Date:	7/01/2020
Additional Information:		Analysed By:	G M Desai
Sample collection and analysis by:		Receipt Date:	6/01/2020
Name: Mr. Girish M. Desai		Receipt Time:	19:00
Qualification: M.Sc. Organic Chemistry		Received By:	Hitesh Parmar
Organisation: Prakruti Environmental Engineers		Collection Date:	6/01/2020
Address: PRAKRUTI, 3rd & 4th Floor, On Bil Road, Vill.: Bil, Vadodara – 391		Collection Time:	11:15
		Collected By:	G M Desai

1 Name of the Department / Plant


Plant- 04.

2 Raw materials, by-products and finished products involving in the process.

Raw Material: Acetone & Clarithromycin Complex
Finished Products: Clarithromycin

3 Particulars of sampling

Sr. No.	Location/ Operation Mentioned	Identified contaminant	Sampling Instrument used	Airborne Contamination		Average
				Number of samples	Range	
1	2	3	4	5	6	7
1	Powder Processing Area Nr. Shifter-008	Particulate Matter	Handy Sampler	1	--	0.588 mg/m ³
2	Near VD-04	Particulate Matter		1	--	0.654 mg/m ³

Sr. No.	TWA concentration (As given in second schedule)	Reference method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letter)
1	8	9	10	11	12	13
1	5 mg/m ³	Gravimetric Method	3	Shifter 008 In Operation		GIRISH M DESAI
2	5 mg/m ³			VD-04 In Operation		



FORM NO. 37
(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A(a)(e).

Industry:	Alembic Pharmaceuticals Limited	Ref. No.:	19205807
Location:	API-1, VIII.: Panelav, P.O.: Tajpura, Tal.: Halol, Dist.: Panchmahal	Report Date:	9/01/2020
Authorised Person:	Mr. Lav Varia	Analysis Date:	7/01/2020
Additional Information:		Analysed By:	G M Desai
Sample collection and analysis by:		Receipt Date:	8/01/2020
Name: Mr. Girish M. Desai		Receipt Time:	19:00
Qualification: M.Sc. Organic Chemistry		Received By:	Hitesh Parmar
Organisation: Prakruti Environmental Engineers		Collection Date:	8/01/2020
Address: PRAKRUTI, 3rd & 4th Floor, On Bil Road, VIII.: Bil, Vadodara – 391		Collection Time:	12:00
		Collected By:	G M Desai

1 Name of the Department / Plant

Plant -8


2 Raw materials, by-products and finished products involving in the process.

Raw Material: MDC, NH₃, IPA, Methanol, Azithromycine thycine.

Finished Products: Azithromycine oxime base.

3 Particulars of sampling

Sr. No.	Location/ Operation Mentioned	Identified contaminant	Sampling instrument used	Airborne Contamination		Average
				Number of samples	Range	
1	2	3	4	5	6	7
1	Ground Floor MM-026	Particulate Matter	Handy Sampler	1	—	0.692 mg/m ³
2	First Floor AF 103	MDC	PID Gas Detector	5	10.2 - 12.9 ppm	11.67 ppm
3	First Floor AF 014	MDC		5	11.3 - 12.2 ppm	11.72 ppm
4	First Floor RE 005	Ammonia		5	11.3 - 13.9 ppm	12.52 ppm
5	First Floor RE150	Ammonia		5	11.0 - 12.5 ppm	11.72 ppm
6	First Floor RE 152	Ammonia		5	11.4 - 11.8 ppm	11.60 ppm
7	First Floor RE 149	Ammonia		5	11.4 - 11.9 ppm	11.65 ppm

Sr. No.	TWA concentration (As given in second schedule)	Reference method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letter)
1	8	9	10	11	12	13
1	5 mg/m ³	Gravimetric Method	3	VC-024 In Operation		GIRISH M DESAI
2	25 ppm	Photo Ionization Detection	2	AF-103 In Operation		
3	25 ppm			AF-014 In Operation		
4	25 ppm			RE-005 In Operation		
5	25 ppm			RE-150 In Operation		
6	25 ppm			RE-152 In Operation		
7	25 ppm			RE-149 In Operation		

FORM NO. 37
(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A(a)(e).

Industry:	Alembic Pharmaceuticals Limited	Ref. No.:	19205808
Location:	API-1, Vill.: Panelav, P.O.: Tajpura, Tal.: Halol, Dist.: Panchmahal	Report Date:	9/01/2020
Authorised Person:	Mr. Lav Varia	Analysis Date:	--
Additional Information: Sample collection and analysis by: Name: Mr. Girish M. Desai Qualification: M.Sc. Organic Chemistry Organisation: Prakruti Environmental Engineers Address: PRAKRUTI, 3rd & 4th Floor, On Bil Road, Vill.: Bil, Vadodara – 391		Analysed By:	G M Desai
		Receipt Date:	--
		Receipt Time:	--
		Received By:	--
		Collection Date:	6/01/2020
		Collection Time:	12:45
		Collected By:	G M Desai

1 Name of the Department / Plant

Plant - 08 & 08A Storage Tank Farm


2 Raw materials, by-products and finished products involving in the process.

Raw Material: Crude- Ammonia, MDC, IPA, Methanol, Xylene & Toluene.

Finished Products: --

3 Particulars of sampling

Sr. No.	Location/ Operation Mentioned	Identified contaminant	Sampling instrument used	Airborne Contamination		Average
				Number of samples	Range	
1	2	3	4	5	6	7
1	Plant-8 ST-181	Ammonia	PID Gas Detector	5	11.2 - 14.0 ppm	12.70 ppm
2	Plant-8 ST-172	MDC		5	6.7 - 7.8 ppm	7.18 ppm
3	Plant-8 ST-178	Methanol		5	7.0 - 9.5 ppm	8.38 ppm
4	Plant-8 ST-180	IPA		5	6.9 - 7.6 ppm	7.12 ppm
5	Plant-8 ST-174	Ammonia		5	7.9 - 12.6 ppm	10.00 ppm
6	Plant-8A ST-260	Toluene		5	6.8 - 7.4 ppm	7.1 ppm
7	Plant-8A ST-214	Xylene		5	5.2 - 7.0 ppm	6.15 ppm

Sr. No.	TWA concentration (As given in second schedule)	Reference method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letter)
1	8	9	10	11	12	13
1	25 ppm	Photo Ionization Detection	1	--		GIRISH M DESAI
2	25 ppm					
3	200 ppm					
4	400 ppm					
5	25 ppm					
6	100 ppm					
7	100 ppm					

FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A(a)(e).

Industry:	Alembic Pharmaceuticals Limited	Ref. No.:	19205809
Location:	API-1, Vill.: Panelav, P.O.: Tajpura, Tal.: Halol, Dist.: Panchmahal	Report Date:	9/01/2020
Authorised Person:	Mr. Lav Varia	Analysis Date:	--
Additional Information:		Analysed By:	G M Desai
Sample collection and analysis by:		Receipt Date:	--
Name: Mr. Girish M. Desai		Receipt Time:	--
Qualification: M.Sc. Organic Chemistry		Received By:	--
Organisation: Prakruti Environmental Engineers		Collection Date:	6/01/2020
Address: PRAKRUTI, 3rd & 4th Floor, On Bil Road, Vill.: Bil, Vadodara - 391		Collection Time:	13:30
		Collected By:	G M Desai

1 Name of the Department / Plant

Plant - 8A


2 Raw materials, by-products and finished products involving in the process.

Raw Material: MDC, Methanol, Crude- Erythromycine oxime

Finished Products: Erythromycine oximebase

3 Particulars of sampling

Sr. No.	Location/ Operation Mentioned	Identified contaminant	Sampling Instrument used	Airborne Contamination		Average
				Number of samples	Range	
1	2	3	4	5	6	7
1	Second Floor, RE-170	MDC	PID Gas Detector	5	9.1 - 10.7 ppm	10.12 ppm
2	Second Floor, RE-164	MDC		5	7.6 - 8.4 ppm	7.95 ppm
3	Second Floor, RE-168	Methanol		5	16.5 - 20.8 ppm	18.32 ppm

Sr. No.	TWA concentration (As given in second schedule)	Reference method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letter)
1	8	9	10	11	12	13
1	25 ppm	Photo Ionization Detection	2	RE-170 In Operation		GIRISH M DESAI
2	25 ppm			RE-164 In Operation		
3	200 ppm			RE-168 In Operation		

FORM NO. 37
(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A(a)(e).

Industry:	Alembic Pharmaceuticals Limited	Ref. No.:	19205810
Location:	API-1, Vill.: Panelav, P.O.: Tajpura, Tal.: Halol, Dist.: Panchmahal	Report Date:	9/01/2020
Authorised Person:	Mr. Lav Varia	Analysis Date:	--
Additional Information: Sample collection and analysis by: Name: Mr. Girish M. Desai Qualification: M.Sc. Organic Chemistry Organisation: Prakruti Environmental Engineers Address: PRAKRUTI, 3rd & 4th Floor, On Bil Road, Vill.: Bil, Vadodara - 391		Analysed By:	G M Desai
		Receipt Date:	--
		Receipt Time:	--
		Received By:	--
		Collection Date:	8/01/2020
		Collection Time:	14:15
		Collected By:	G M Desai

1 Name of the Department / Plant

Pilot Plant


2 Raw materials, by-products and finished products involving in the process.

Raw Material: Toluene,

Finished Products: Lercanidipine HCL

3 Particulars of sampling

Sr. No.	Location/ Operation Mentioned	Identified contaminant	Sampling instrument used	Airborne Contamination		Average
				Number of samples	Range	
1	2	3	4	5	6	7
1	First Floor, RE-039	Toluene	PID Gas Detector	5	25.9 - 30.7 ppm	27.65 ppm
2	Ground Floor CF-04	Toluene		5	25.8 - 46.9 ppm	35.68 ppm

Sr. No.	TWA concentration (As given in second schedule)	Reference method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letter)
1	8	9	10	11	12	13
1	100 ppm	Photo Ionization Detection	3	RE-039 In Operation		GIRISH M DESAI
2	100 ppm		3	CF-04 In Operation		



FORM NO. 37
(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A(a)(e).

Industry:	Alembic Pharmaceuticals Limited	Ref. No.:	19205811
Location:	API-1, Vill.: Panelav, P.O.: Tajpura, Tal.: Halol, Dist.: Panchmahal	Report Date:	9/01/2020
Authorised Person:	Mr. Lav Varia	Analysis Date:	--
Additional Information:		Analysed By:	G M Desai
Sample collection and analysis by:		Receipt Date:	--
Name: Mr. Girish M. Desai		Receipt Time:	--
Qualification: M.Sc. Organic Chemistry		Received By:	--
Organisation: Prakruti Environmental Engineers		Collection Date:	6/01/2020
Address: PRAKRUTI, 3rd & 4th Floor, On Bil Road, Vill.: Bil, Vadodara - 391		Collection Time:	15:00
		Collected By:	G M Desai

1 Name of the Department / Plant

ETP Plant


2 Raw materials, by-products and finished products involving in the process.

Raw Material: --

Finished Products: --

3 Particulars of sampling

Sr. No.	Location/ Operation Mentioned	Identified contaminant	Sampling instrument used	Airborne Contamination		Average
				Number of samples	Range	
1	2	3	4	5	6	7
1	Scrap Yard Room	VOC	PID Gas Detector	5	5.1 - 6.3 ppm	5.72 ppm
2	ETP Sludge Storage Room	VOC		5	9.5 - 10.1 ppm	9.88 ppm

Sr. No.	TWA concentration (As given in second schedule)	Reference method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letter)
1	8	9	10	11	12	13
1	--	Photo Ionization Detection	--	--		GIRISH M DESAI
2	--		--	--		



FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A(a)(e).

Industry:	Alembic Pharmaceuticals Limited	Ref. No.:	19205812
Location:	API-1, Vill.: Panelav, P.O.: Tajpura, Tal.: Halol, Dist.: Panchmahal	Report Date:	9/01/2020
Authorised Person:	Mr. Lav Varia	Analysis Date:	--
Additional Information:		Analysed By:	G M Desai
Sample collection and analysis by:		Receipt Date:	--
Name: Mr. Girish M. Desai		Receipt Time:	--
Qualification: M.Sc. Organic Chemistry		Received By:	--
Organisation: Prakruti Environmental Engineers		Collection Date:	8/01/2020
Address: PRAKRUTI, 3rd & 4th Floor, On Bil Road, Vill.: Bil, Vadodara - 391		Collection Time:	15:45
		Collected By:	G M Desai

1 Name of the Department / Plant

Plant - 05A


2 Raw materials, by-products and finished products involving in the process.

Raw Material: IPA

Finished Products: Etoricoxib.

3 Particulars of sampling

Sr. No.	Location/ Operation Mentioned	Identified contaminant	Sampling instrument used	Airborne Contamination		Average
				Number of samples	Range	
1	2	3	4	5	6	7
1	First Floor RE-141	IPA	PID Gas Detector	5	5.4 - 7.3 ppm	6.42 ppm

Sr. No.	TWA concentration (As given in second schedule)	Reference method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letter)
1	8	9	10	11	12	13
1	400 ppm	Photo Ionization Detection	3	RE-141 In Operation		GIRISH M DESAI



FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A(a)(e).

Industry:	Alembic Pharmaceuticals Limited	Ref. No.:	19205813
Location:	API-1, Vill.: Panelav, P.O.: Tajpura, Tal.: Halol, Dist.: Panchmahal	Report Date:	9/01/2020
Authorised Person:	Mr. Lav Varia	Analysis Date:	--
Additional Information: Sample collection and analysis by: Name: Mr. Girish M. Desai Qualification: M.Sc. Organic Chemistry Organisation: Prakruti Environmental Engineers Address: PRAKRUTI, 3rd & 4th Floor, On Bil Road, Vill.: Bil, Vadodara – 391		Analysed By:	G M Desai
		Receipt Date:	--
		Receipt Time:	--
		Received By:	--
		Collection Date:	6/01/2020
		Collection Time:	16:30
		Collected By:	G M Desai

1 Name of the Department / Plant

Plant - 05


2 Raw materials, by-products and finished products involving in the process.

Raw Material: Methanol, Toluene, Ethyl Acetate & Acetone

Finished Products: Teimisartan, Linezolid

3 Particulars of sampling

Sr. No.	Location/ Operation Mentioned	Identified contaminant	Sampling instrument used	Airborne Contamination		Average
				Number of samples	Range	
1	2	3	4	5	6	7
1	First Floor RE-147	Acetone	PID Gas Detector	5	13.3 - 17.6 ppm	15.22 ppm
		Toluene		5	5.9 - 9.8 ppm	7.72 ppm
		Methanol		5	15.2 - 26.2 ppm	16.58 ppm
2	First Floor RE-100	Ethyl Acetate	PID Gas Detector	5	23.7 - 26.2 ppm	25.20 ppm

Sr. No.	TWA concentration (As given in second schedule)	Reference method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letter)
1	8	9	10	11	12	13
1	750 ppm	Photo Ionization Detection	2	RE 147 In Operation		GIRISH M DESAI
	100 ppm					
	200 ppm					
2	400 ppm		2	RE 100 In Operation (Hydrogenation of Linezolid)		



FORM NO. 37
(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A(a)(e).

Industry:	Alembic Pharmaceuticals Limited	Ref. No.:	1905814
Location:	API-1, Vill.: Panelav, P.O.: Tajpura, Tal.: Halol, Dist.: Panchmahal	Report Date:	9/01/2020
Authorised Person:	Mr. Lav Varia	Analysis Date:	--
Additional Information:		Analysed By:	G M Desai
Sample collection and analysis by:		Receipt Date:	--
Name: Mr. Girish M. Desai		Receipt Time:	--
Qualification: M.Sc. Organic Chemistry		Received By:	--
Organisation: Prakruti Environmental Engineers		Collection Date:	7/01/2020
Address: PRAKRUTI, 3rd & 4th Floor, On Bill Road, Vill.: Bil, Vadodara - 391		Collection Time:	10:50
		Collected By:	G M Desai

1 Name of the Department / Plant

C.C.O.E. Tank Farm


2 Raw materials, by-products and finished products involving in the process.

Raw Material: Aceton, Ethyl Alcohol, Toluene, Methanol & Ethyl Acetate

Finished Products: --

3 Particulars of sampling

Sr. No.	Location/ Operation Mentioned	Identified contaminant	Sampling instrument used	Airborne Contamination		Average
				Number of samples	Range	
1	2	3	4	5	6	7
1	Storage Tank 130	Ethyl Alcohol	PID Gas Detector	5	3.7 - 4.8 ppm	4.05 ppm
2	Storage Tank 132	Aceton		5	8.4 - 9.5 ppm	7.98 ppm
3	Storage Tank 018	Toluene		5	5.7 - 7.4 ppm	6.52 ppm
4	Storage Tank 020	Methanol		5	16.5 - 20.5 ppm	18.50 ppm
5	Storage Tank 010	Ethyl Acetate		5	9.6 - 12.2 pp	10.70 ppm

Sr. No.	TWA concentration (As given in second schedule)	Reference method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letter)
1	8	9	10	11	12	13
1	1000 ppm	Photo Ionization Detection	1	Transferring of Ethanol		GIRISH M DESAI
2	700 ppm					
3	100 ppm					
4	200 ppm					
5	400 ppm					



FORM NO. 37
(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A(a)(e).

Industry:	Alembic Pharmaceuticals Limited	Ref. No.:	19205815
Location:	API-1, Vill.: Panelav, P.O.: Tajpura, Tal.: Halol, Dist.: Panchmahal	Report Date:	9/01/2020
Authorised Person:	Mr. Lav Varia	Analysis Date:	--
Additional Information:		Analysed By:	G M Desai
Sample collection and analysis by:		Receipt Date:	--
Name: Mr. Girish M. Desai		Receipt Time:	--
Qualification: M.Sc. Organic Chemistry		Received By:	--
Organisation: Prakruti Environmental Engineers		Collection Date:	7/01/2020
Address: PRAKRUTI, 3rd & 4th Floor, On Bil Road, Vill.: Bil, Vadodara - 391		Collection Time:	12:30
		Collected By:	G M Desai

1 Name of the Department / Plant


Plant - 7

2 Raw materials, by-products and finished products involving in the process.

Raw Material: MDC, Crude - Valsartan
Finished Products: Valsartan (Stage 1)

3 Particulars of sampling

Sr. No.	Location/ Operation Mentioned	Identified contaminant	Sampling instrument used	Airborne Contamination		Average
				Number of samples	Range	
1	2	3	4	5	6	7
1	First Floor RE-124 & 125	MDC	PID Gas Detector	5	9.1 - 10.8 ppm	10.18 ppm
2	Second Floor RE-127 & 129	MDC		5	7.0 - 9.1 ppm	7.90 ppm
3	Second Floor RE-121	MDC		5	7.2 - 8.3 ppm	7.75 ppm
4	Second Floor RE-118	MDC		5	9.6 - 10.7 ppm	10.15 ppm

Sr. No.	TWA concentration (As given in second schedule)	Reference method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letter)
1	8	9	10	11	12	13
1	25 ppm	Photo Ionization Detection	3	RE-124 & 25 In Operation		GIRISH M DESAI
2	25 ppm		3	RE-127 & 129 In Operation		
3	25 ppm			RE-121 In Operation		
4	25 ppm			RE-118 In Operation		



FORM NO. 37
(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A(a)(e).

Industry:	Alembic Pharmaceuticals Limited	Ref. No.:	19205816
Location:	API-1, Vill.: Panelav, P.O.: Tajpura, Tal.: Halol, Dist.: Panchmahal	Report Date:	9/01/2020
Authorised Person:	Mr. Lav Varia	Analysis Date:	--
Additional Information:		Analysed By:	G M Desai
Sample collection and analysis by:		Receipt Date:	--
Name: Mr. Girish M. Desai		Receipt Time:	--
Qualification: M.Sc. Organic Chemistry		Received By:	--
Organisation: Prakruti Environmental Engineers		Collection Date:	7/01/2020
Address: PRAKRUTI, 3rd & 4th Floor, On Bil Road, Vill.: Bil, Vadodara - 391		Collection Time:	14:15
		Collected By:	G M Desai

1 Name of the Department / Plant


SRP - 2 & SRP - 3

2 Raw materials, by-products and finished products involving in the process.

Raw Material: Acetone, Toluene, Ethanol & IPA.
Finished Products: Recovered Solvent

3 Particulars of sampling

Sr. No.	Location/ Operation Mentioned	Identified contaminant	Sampling instrument used	Airborne Contamination		Average
				Number of samples	Range	
1	2	3	4	5	6	7
1	SRP 02 1st Floor RE-065	Methanol	PID Gas Detector	5	6.8 - 7.3 ppm	7.03 ppm
2	SRP 02 1st Floor RE-085 & 099	MDC		5	15.7 - 19.6 ppm	17.08 ppm
3	SRP 03 1st Floor RE-064	Acetone		5	10.2 - 14.3 ppm	12.38 ppm
4	SRP 03 1st Floor RE-136	Toluene		5	1.8 - 2.4 ppm	2.05 ppm

Sr. No.	TWA concentration (As given in second schedule)	Reference method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letter)
1	8	9	10	11	12	13
1	200 ppm	Photo Ionization Detection	3	RE-065 In Operation		GIRISH M DESAI
2	25 ppm			RE-085 & 099 In Operation		
3	750 ppm			RE-064 In Operation		
4	100 ppm			RE-136 In Operation		



FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A(a)(e).

Industry:	Alembic Pharmaceuticals Limited	Ref. No.:	19205817
Location:	API-1, Vill.: Panelav, P.O.: Tajpura, Tal.: Halol, Dist.: Panchmahal	Report Date:	9/01/2020
Authorised Person:	Mr. Lav Varia	Analysis Date:	--
Additional Information: Sample collection and analysis by: Name: Mr. Girish M. Desai Qualification: M.Sc. Organic Chemistry Organisation: Prakruti Environmental Engineers Address: PRAKRUTI, 3rd & 4th Floor, On Bil Road, Vill.: Bil, Vadodara - 391		Analysed By:	G M Desai
		Receipt Date:	--
		Receipt Time:	--
		Received By:	--
		Collection Date:	7/01/2020
		Collection Time:	12:15
		Collected By:	G M Desai

1 Name of the Department / Plant


Plant - 6 & 6B

2 Raw materials, by-products and finished products involving in the process.

Raw Material: Methanol, Crude -Azithromycine.
Finished Products: Azithromycine (Stage 2)

3 Particulars of sampling

Sr. No.	Location/ Operation Mentioned	Identified contaminant	Sampling instrument used	Airborne Contamination		Average
				Number of samples	Range	
1	2	3	4	5	6	7
1	Plant 6B First Floor RE158	Methanol	PID Gas Detector	5	7.2 - 9.5 ppm	8.05 ppm
2	Plant 6B First Floor RE187	Methanol		5	8.5 - 9.8 ppm	9.08 ppm

Sr. No.	TWA concentration (As given in second schedule)	Reference method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letter)
1	8	9	10	11	12	13
1	200 ppm	Photo Ionization Detection	3	RE 158 In Operation		GIRISH M DESAI
2	200 ppm			RE187 In Operation		



FORM NO. 37
(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A(a)(e).

Industry:	Alembic Pharmaceuticals Limited	Ref. No.:	19205818
Location:	API-1, Vill.: Panelav, P.O.: Tajpura, Tal.: Halol, Dist.: Panchmahal	Report Date:	9/01/2020
Authorised Person:	Mr. Lav Varia	Analysis Date:	--
Additional Information:		Analysed By:	G M Desai
Sample collection and analysis by:		Receipt Date:	--
Name: Mr. Girish M. Desai		Receipt Time:	--
Qualification: M.Sc. Organic Chemistry		Received By:	--
Organisation: Prakruti Environmental Engineers		Collection Date:	7/01/2020
Address: PRAKRUTI, 3rd & 4th Floor, On Bil Road, Vill.: Bil, Vadodara – 391		Collection Time:	13:00
		Collected By:	G M Desai

1 Name of the Department / Plant

Plant - 2 & 2A


2 Raw materials, by-products and finished products involving in the process.

Raw Material: Acetone, Methanol & Crude- Fenofibric acid, Telmisartan

Finished Products: Fenofibric acid, Telmisartan

3 Particulars of sampling

Sr. No.	Location/ Operation Mentioned	Identified contaminant	Sampling instrument used	Airborne Contamination		Average
				Number of samples	Range	
1	2	3	4	5	6	7
1	Plant 02 First Floor RE-053	Acetone	PID Gas Detector	5	12.9 - 13.8 ppm	13.35 ppm
2	Plant 02 First Floor RE-004	Acetone		5	11.8 - 13.2 ppm	12.50 ppm
3	Plant 02 First Floor RE-050	Acetone		5	13.9 - 17.0 ppm	15.48 ppm
4	Plant 02A First Floor RE-110	Methanol		5	11.1 - 12.6 ppm	11.80 ppm

Sr. No.	TWA concentration (As given in second schedule)	Reference method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letter)
1	8	9	10	11	12	13
1	750 ppm	Photo Ionization Detection	3	RE 053 In Operation		GIRISH M DESAI
2	750 ppm			RE 004 In Operation		
3	750 ppm			RE 050 In Operation		
4	200 ppm			RE 110 In Operation		

FORM NO. 37
(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A(a)(e).

Industry:	Alembic Pharmaceuticals Limited	Ref. No.:	19205819
Location:	API-1, Vill.: Panelav, P.O.: Tajpura, Tal.: Halol, Dist.: Panchmahal	Report Date:	9/01/2020
Authorised Person:	Mr. Lav Varia	Analysis Date:	--
Additional Information:		Analysed By:	G M Desai
Sample collection and analysis by:		Receipt Date:	--
Name: Mr. Girish M. Desai		Receipt Time:	--
Qualification: M.Sc. Organic Chemistry		Received By:	--
Organisation: Prakruti Environmental Engineers		Collection Date:	7/01/2020
Address: PRAKRUTI, 3rd & 4th Floor, On Bil Road, Vill.: Bil, Vadodara - 391		Collection Time:	13:30
		Collected By:	G M Desai

1 Name of the Department / Plant

Plant - 03



2 Raw materials, by-products and finished products involving in the process.

Raw Material: Ethyl Acetate, Acetone, Methyl Ethoxy methyl chloride, MDC.

Finished Products: Linozolid Stage 2, Maxilefine HCL Stage 1 & Roxithromycine.

3 Particulars of sampling

Sr. No.	Location/ Operation Mentioned	Identified contaminant	Sampling instrument used	Airborne Contamination		Average
				Number of samples	Range	
1	2	3	4	5	6	7
1	First Floor RE 043	Ethyl Acetate	PID Gas Detector	5	21.2 - 24.7 ppm	22.98 ppm
2	First Floor RE 102	Acetone		5	22.3 - 24.7 ppm	23.40 ppm
3	First Floor RE 104	VOC MMC (Methoxy Ethoxy Methyl Chloride)		5	24.3 - 25.0 ppm	24.52 ppm
4	First Floor RE 007	MDC		5	5.8 - 6.5 ppm	6.12 ppm

Sr. No.	TWA concentration (As given in second schedule)	Reference method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letter)
1	8	9	10	11	12	13
1	400 ppm	Photo Ionization Detection	2	RE043 In Operation	 	GIRISH M DESAI
2	750 ppm			RE102 In Operation		
3	--			RE104 In Operation		
4	25 ppm			RE007 In Operation		

FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A(a)(e).

Industry:	Alembic Pharmaceuticals Limited	Ref. No.:	19205820
Location:	API-1, Vill.: Panelav, P.O.: Tajpura, Tal.: Halol, Dist.: Panchmahal	Report Date:	9/01/2020
Authorised Person:	Mr. Lav Varia	Analysis Date:	8/01/2020
Additional Information:		Analysed By:	G M Desai
Sample collection and analysis by:		Receipt Date:	7/01/2020
Name: Mr. Girish M. Desai		Receipt Time:	18:30
Qualification: M.Sc. Organic Chemistry		Received By:	Hitesh Parmar
Organisation: Prakruti Environmental Engineers		Collection Date:	7/01/2020
Address: PRAKRUTI, 3rd & 4th Floor, On Bil Road, Vill.: Bil, Vadodara – 391		Collection Time:	10:45
		Collected By:	G M Desai

1 Name of the Department / Plant


Solid Warehouse

2 Raw materials, by-products and finished products involving in the process.

Raw Material: Organic & Inorganic Chemicals (Powder)
Finished Products: –

3 Particulars of sampling

Sr. No.	Location/ Operation Mentioned	Identified contaminant	Sampling instrument used	Airborne Contamination		Average
				Number of samples	Range	
1	2	3	4	5	6	7
1	Solid Warehouse Dispensing Area	Particulate Matter	Handy Sampler	1	–	0.480 mg/m ³

Sr. No.	TWA concentration (As given in second schedule)	Reference method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letter)
1	8	9	10	11	12	13
1	5 mg/m ³	Gravimetric Method	2	Dispensing of Paraformaldehyde, Potassium Carbonate & Tetra buty Ammonical Bromide		GIRISH M DESAI




FORM NO. 37
(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A(a)(e).

Industry:	Alembic Pharmaceuticals Limited	Ref. No.:	19205821
Location:	API-1, Vill.: Panelav, P.O.: Tajpura, Tal.: Halol, Dist.: Panchmahal	Report Date:	9/01/2020
Authorised Person:	Mr. Lav Varia	Analysis Date:	--
Additional Information:		Analysed By:	G M Desai
Sample collection and analysis by:		Receipt Date:	--
Name: Mr. Girish M. Desai		Receipt Time:	--
Qualification: M.Sc. Organic Chemistry		Received By:	--
Organisation: Prakruti Environmental Engineers		Collection Date:	7/01/2020
Address: PRAKRUTI, 3rd & 4th Floor, On Bil Road, Vill.: Bil, Vadodara - 391		Collection Time:	12:03
		Collected By:	G M Desai

- 1 Name of the Department / Plant** Liquid Warehouse
- 2 Raw materials, by-products and finished products involving in the process.** Raw Material: Organic & Inorganic Solvents.
Finished Products: --
- 3 Particulars of sampling**

Sr. No.	Location/ Operation Mentioned	Identified contaminant	Sampling instrument used	Airborne Contamination		Average
				Number of samples	Range	
1	2	3	4	5	6	7
1	Near Unloading Area	Cyclohexan	PID Gas Detector	5	6.2 - 6.5 ppm	6.35 ppm
2	Dispensing Area	VOC		5	9.0 - 9.6 ppm	9.28 ppm

Sr. No.	TWA concentration (As given in second schedule)	Reference method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letter)
1	8	9	10	11	12	13
1	300 ppm	Photo Ionization Detection	2	--		GIRISH M DESAI
2	--		2	--		



FORM NO. 37
(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A(a)(e).

Industry:	Alembic Pharmaceuticals Limited	Ref. No.:	19205822
Location:	API-1, Vill: Panelav, P.O.: Tajpura, Tal.: Halol, Dist.: Panchmahal	Report Date:	9/01/2020
Authorised Person:	Mr. Lav Varia	Analysis Date:	--
Additional Information:		Analysed By:	G M Desai
Sample collection and analysis by:		Receipt Date:	--
Name: Mr. Girish M. Desai		Receipt Time:	--
Qualification: M.Sc. Organic Chemistry		Received By:	--
Organisation: Prakruti Environmental Engineers		Collection Date:	7/01/2020
Address: PRAKRUTI, 3rd & 4th Floor, On Bil Road, Vill.: Bil, Vadodara - 391		Collection Time:	16:00
		Collected By:	G M Desai

1 Name of the Department / Plant


QC Building & QC Block

2 Raw materials, by-products and finished products involving in the process.

Raw Material: Organic Solvent
Finished Products: --

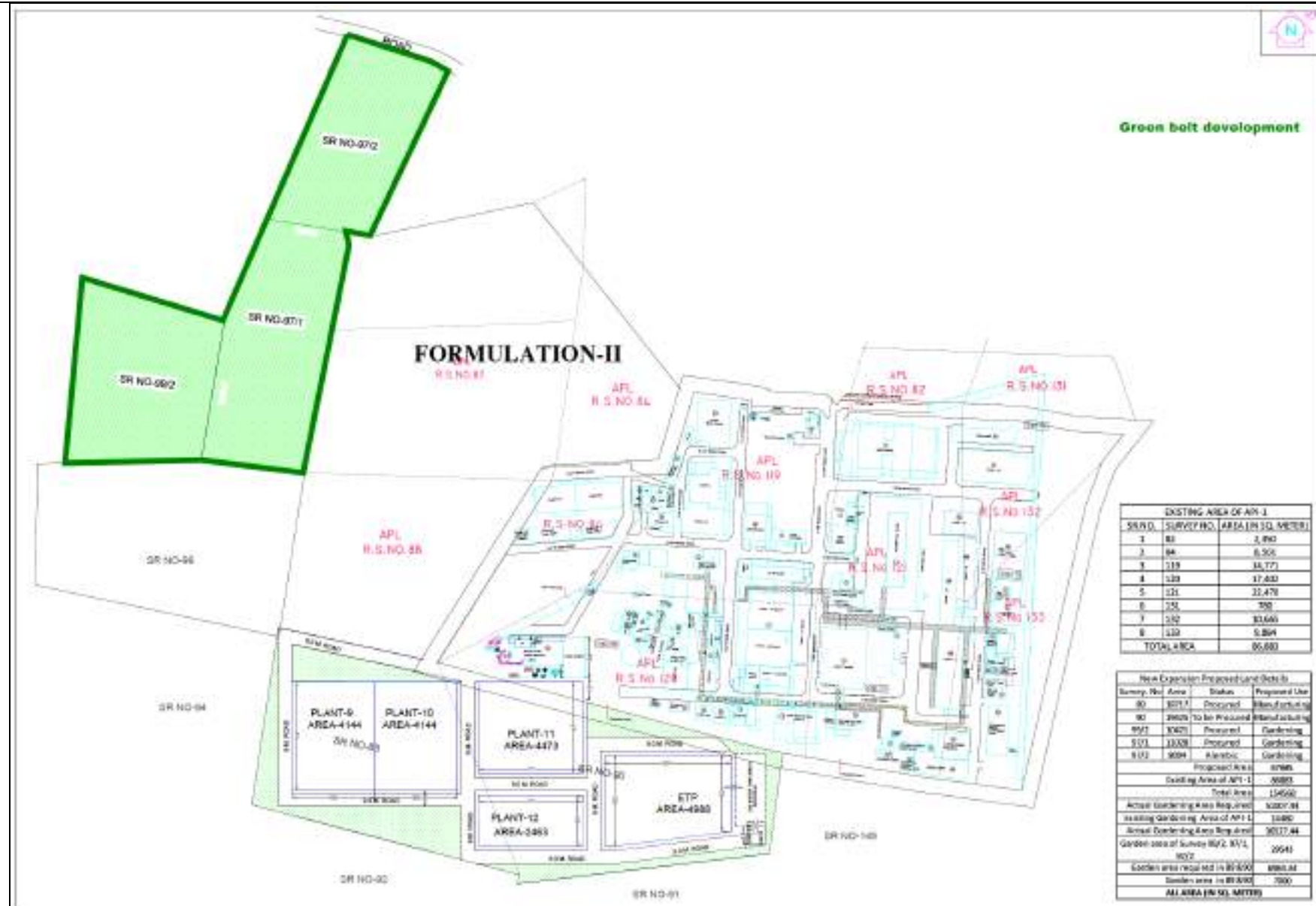
3 Particulars of sampling

Sr. No.	Location/ Operation Mentioned	Identified contaminant	Sampling instrument used	Airborne Contamination		Average
				Number of samples	Range	
1	2	3	4	5	6	7
1	QC Building First Floor Chemical Preparation Area	VOC	PID Gas Detector	5	7.8 - 9.2 ppm	8.38 ppm
2	QC Block Ground Floor Chemical Preparation Area	VOC	PID Gas Detector	5	7.7 - 8.1 ppm	7.90 ppm

Sr. No.	TWA concentration (As given in second schedule)	Reference method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letter)
1	8	9	10	11	12	13
1	--	Photo Ionization Detection	2	Chemical Preparation		GIRISH M DESAI
2	--	Photo Ionization Detection	2	Chemical Preparation		



ANNEXURE 10: Green Belt



ANNEXURE 11: Vendor Details for Hazardous Waste Disposal

CC&A order of Detox India Pvt Ltd.

**GUJARAT POLLUTION CONTROL BOARD****PARYAVARAN BHAVAN****Sector-10-A, Gandhinagar 382 010****Phone : (079) 23222425****(079) 23232152****Fax : (079) 23232156****Website : www.gpcb.gov.in****BY RPAD****No: GPCB/HAZ-GEN-680(1)/ID: 65572/****Date:****Amendment to Consolidated Consent Order No.AWH-97750 issued dated 14/12/2018****To,****M/s. Detox India Private Limited,****(Old Name: M/s. Ankleshwar Cleaner Process Technology Centre Pvt Ltd.)****Plot No: 383, 384, 386 P-2, 401, 409/2, 410, 411,****412/1, 412/2, 414 P-2, 416, 418, 178, 179,****Vill: Juna Katariya, Lakadiya- 370150,****Tal: Bhachau & Dist: Kutch****SUB: - Consolidated Consent and Authorization (CC&A) under various Environment Acts / Rules.****REF: - (1) CCA Order No. GPCB/HAZ-GEN-680/ID-65572/480066 dated: 28/12/2018.****(2) Your letter dated: 02/01/2019 regarding change of name of the industry.**

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution) Act-1981 and Authorization under rule 6(2) of the Hazardous and other waste (Management and Transboundary Movement) Rules'2016, framed under the EP Act-1986 and without reducing your responsibility under the said acts / Rules in any way; this Board is empowered to amend consent order in connection with above reference the **CCA order No.AWH-97750** issued under the provisions of the various Environment Acts/ Rules, which stands amended as under.

The consents shall be valid up to dated: **04/10/2023** for operation of common hazardous waste TSDF, Forced Evaporation and pre-processing facility for disposal of hazardous waste received from number units at Plot No: 383, 384, 386 P-2, 401, 409/2, 410, 411, 412/1, 412/2, 414 P-2, 416, 418, 178, 179 of Vill: Juna Katariya, Lakadiya- 370150, Tal: Bhachau & Dist: Kutch.

1. The Board has issued CCA-Fresh valid up to dated: **04/10/2023** vide letter no GPCB/ HAZ-GEN-680/ID-65572/480066 dated: 28/12/2018. **M/s. Ankleshwar Cleaner Process Technology Centre Pvt Ltd** stands transferred to **M/s. Detox India Private Limited**, with condition that **M/s. Detox India Private Limited**, shall bound to comply with all the conditions subject to which it was granted to this industry originally.
2. The other condition of the CC&A order no: AWH-97750 issued vide letter No: GPCB/ HAZ-GEN-680/ID-65572/480066 dated: 28/12/2018 shall remain unchanged.
3. You are directed to comply with these conditions judiciously.

For and on behalf of GPCB

D. M. Thaker
9/2/19
(D.M. Thaker)

Environmental Engineer
Unit head, Haz Waste Cell

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CC&A order of SEPPL



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar 382 010

Phone : (079) 23222425

(079) 23232152

Fax : (079) 23232156

Website : www.gpcb.gov.in

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution)-1981 and Authorization under rule 6(b) of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules-2016 & as amended from time to time framed under the Environment (Protection) Act-1986.

And whereas Board has received consolidated consent application Inward I.D.NO. 144910 dated 05/10/2018 for the amendment in Consolidated Consent and Authorization (CC & A) of this Board and under the provisions/rules of the aforesaid acts. Consents & Authorization are hereby granted as under.

CONSENTS AND AUTHORISATION:

(Under the provisions /rules of the aforesaid environmental acts)

To,

M/s Saurashtra Enviro Projects Pvt Ltd,
Plot no/Survey no. 386/1,409/1, 414/1,415 & 417
Vill: Juna Katariya/Lakadiya,
Tal: Bhachau,
DIST: KUTCH-370 150

1. Consent Order No: AWH - 97731, Date of Issue 13/12/2018.

The consents shall be valid up to 05/11/2023 for use of outlet for the discharge of trade effluent and emission due to operation of industrial plant for following activities at Plot no/Survey no. 386/1, 409/1,414/1, 415 & 417, Vill: Juna Katariya/Lakadiya, Tal: Bhachau, Dist: Kutch, East- 370150.

SR. NO.	PRODUCTS	Capacity	Survey No
1.	Secured Landfill Site	8,45,000 MT (Cell no.1 - 1,20,000MT, Cell no.2 - 2,75,000 MT, Cell no.3 - 4,50,000 MT) Closed & Capped	386/1, 409/1,414/1, 415 & 417 Vill: Juna Katariya/Lakadiya, Tal: Bhachau, Dist: Kutch, East- 370150.
2.	Incineration Facility	7.50 Million Kcal/Hour	

2. SPECIFIC CONDITION

- 2.1 SEPPL shall send generated leachate to M/s ACPTCL for further treatment; unit shall maintain & submit monthly record.
- 2.2 SEPPL shall comply the submitted notarized undertaking dated 31/03/2018.
- 2.3 In case of issue related to groundwater contamination or any other damage to environment in future, there shall be a joint responsibility and liability of both Saurashtra Enviro Projects Pvt. Ltd., and Ankleshwar Cleaner Process Technology Centre Pvt Ltd, for conducting assessment study and remediation as per CPCB guidelines.
- 2.4 Saurashtra Enviro Projects Pvt. Ltd shall bound to comply all the condition of EC/CTE for the facilities as per business transfer agreement.
- 2.5 Saurashtra Enviro Projects Pvt. Ltd will maintain their independent Escrow Accounts as per the guidelines.
- 2.6 The Board shall not take any responsibility for legal/Civil dispute between Saurashtra Enviro Projects Pvt. Ltd and Ankleshwar Cleaner Process Technology Centre Pvt Ltd.
- 2.7 As Saurashtra Enviro Projects Pvt. Ltd. and Ankleshwar Cleaner Process Technology Centre Pvt Ltd. have continuous premises, they shall provide fencing and demarcation of boundaries and shall have different identity.
- 2.8 As all cells are closed of Saurashtra Enviro Projects Pvt. Ltd, No new waste shall be collected for TSDF disposal.

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Membership Certificate for Authorization of SEPPL



Saurashtra Enviro Projects Pvt. Ltd.

Integrated Common Hazardous Waste Management Facility

Certificate

Certificate No : 1200000044

To Whomsoever it may concern

This is to certify that

ALEMBIC PHARMACEUTICALS LTD (API-1)

PLOT NO.119,121,132,133,
VILLAGE:PANELAV, PO:TAJPURA,
TAL:HALOL,

PANCHMAHAL

is a valid member of

SAURASHTRA ENVIRO PROJECTS PVT. LTD.

for Integrated Common Hazardous Waste Management Facility.

This membership is valid for a period of

5 Years

Date of issue : 21.01.2017

For, Saurashtra Enviro Projects Pvt. Ltd.

Date of expiration : 20.01.2022

Place of issue : Surat

Director

SUBJECT TO SURAT JURISDICTION

Corporate Office : Detox House, Opp. Gujarat Samachar Press, Udhna Darwaja, Ring Road, Surat - 395 002. (Guj.)
p. +91 261 2351248, 2344181 f. +91 261 2354048
e. info@seppplindia.com w. www.detoxgroup.in
CIN :- U51100GJ2006PTC047689

Consent of Ultratech Cements Ltd.



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar 382 010

Phone : (079) 23222425

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Fax : (079) 23232156

Website : www.gpcb.gov.in

By R.R.A.O.

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution)-1981 and Authorization under rule 8(2) of the Hazardous & other Waste (Management and Transboundary Movement) Rules-2016 framed under the Environmental (Protection) Act-1986.

And whereas Board has received consolidated consent application letter No.143745 dated 29/07/2018 for the Consolidated Consent and Authorization (CC & A) of this Board under the provisions / rules of the aforesaid Acts. Consents & Authorization are hereby granted as under:

CONSENTS AND AUTHORISATION:

(Under the provisions / rules of the aforesaid environmental acts)

To,

M/S. ULTRATECH CEMENT LTD., (GUJARAT CEMENT WORKS) (14813),

SR NO.168, 268 & 270,

VILL-KOVAYA-- 365541

TA-RAJULA, DIST: AMRELI.

1. Consent Order No: AWH - 97041, Date of issue: 08/11/2018.
2. The consent shall be valid up to 30-06-2023 for use of outlet for the discharge of treated effluent and emission due to operation of industrial plant for manufacture of the following production at VILL-KOVAYA, TA-RAJULA, DIST: AMRELI.

SR.NO.	PRODUCT	CAPACITY
1.	CLINKER	5.70 MTPA
2.	CEMENT	8.0MTPA

➤ SUBJECT TO THE FOLLOWING SPECIFIC CONDITIONS:-

1. You shall have to comply with all the conditions mentioned in the EC accorded by Ministry of Environment and Forest vide order no-11041/GS/2009-IA II (I) dated 26/07/2012.
2. You shall have to comply with the Fly Ash Notification.
3. Work area including the roads surrounding the plant shall be concreted.
4. You shall provide centralized dusting facility as well as enclosed system to belt conveyer to control fugitive emission in the premises.
5. You shall adopt pollution prevention system for handling of fly ash.
6. No ground water shall be used for the project coming under dark zone without permission of competent authority.
7. The regular maintenance of valves, pumps and other machineries shall be carry out to control and minimize the fugitive emission.
8. Desalination water-2000M3/Day from Desalination plant.
9. Production of Electricity-60MW(Naphtha Based CPP) should be discontinue.
10. Unit shall have to comply all the conditions of Office Memorandum for Guidelines for Regulation and Monitoring of Imported Polioke in India issued vide letter dtd 10th Sept,2018 by MoEFCC.

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11. Imported petcoke used as feedstock and the sulphur content shall not be more than 7% in petcoke.
12. Unit shall not utilize biomedical waste, asbestos containing waste, electronic scrap, entire batteries, explosives, corrosives, mineral acids wastes, radioactive wastes and unsorted municipal garbage for pre and Co-processing.
13. Unit Shall transport hazardous waste for the Co-processing purpose through dedicated tanker with GPS enable system on predefined route in line with Hazardous and other waste Rules-2016.
14. Transportation of the respective wastes shall be done through online Manifest system.
15. Unit shall comply with all the conditions as mentioned in CPCB guideline "Guideline for Pre-processing and Co-processing of Hazardous wastes in Cement Plant as per H & OW (M & TM) Rules-2016".
16. Unit shall comply with all the conditions of CPCB guideline for storage and handling of hazardous waste.

3. CONDITIONS UNDER THE WATER ACT-1974:

- 3.1 The total quantity of the industrial effluent from the manufacturing process and other ancillary industrial operation (from desalination plant) shall not exceed **16000 M³/Day**.

TRADE EFFLUENT:-

- 3.2 The applicant shall provide adequate effluent treatment system in order to achieve the quality of the treated effluent as per GPCB norms mentioned in column No.1

PARAMETER	GPCB NORMS
pH	6.5 to 8.5
Colour (pt.co scale)	100 Units
Temperature	Not more than 5° C Higher than the receiving water temperature
Total Suspended Solids	100mg/l
Phosphates	6mg/l
Hexavalent chromium	0.1mg/l
Total chromium	0.2mg/l
Bio assay test	90% Survival of fish after 96 hours in 100% effluent

*All efforts shall be made to remove colour & unpleasant odour as far as practicable.

- 3.3 The effluent (for desalination plant) conforming to the above standards shall be discharge in to sea at point La20° 54 21' N 71° 31'E and in manner approved by CWPRS.
- 3.4 The quantity of Sewage effluent from the unit(plant, CPP & Colony) shall not exceed after expansion **512 KL / Day**.
- 3.5 The quality of the effluent shall conform to the following standards. (As per GPCB norms – whichever is applicable)

PARAMETER	PERMISSIBLE LIMIT
BOD (5 days at 20° C)	20 mg/liter
Suspended Solid	30 mg/liter
Residual Chlorine	Minimum 0.5 mg/liter

All efforts shall be made to remove colour & unpleasant odour as far as practicable.

- 3.4 The sewage shall be treated in the Sewage Treatment Plant within premises and the treated sewage conforming above norms shall be utilized on land for gardening and plantation.
- 3.5 You shall provide metering facility at the utility and maintain the record for the water consumption.

4. CONDITIONS UNDER THE AIR ACT - 1981:

- 4.1 The following shall be used as fuel in Kiln/D.G. Sets respectively.



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SR. NO.	FUEL	QUANTITY
---------	------	----------

4.2 The following flue gases emission through various stacks / Vent of DG Sets / Boiler / Furnace / Heater shall conform to the following standards:

Stack No.	Stack attached to	Stack height in meter	Air Pollution Control Measures	Parameter	Permissible limit
1.	D.G. Set -1	65		PM	150 mg/Nm ³
2.	D.G. Set - 2	65		SO ₂	100 mg/Nm ³
				NO _x	50mg/Nm ³

4.3 The process gases emission through various stacks / Vent of DG Sets / Boiler / Furnace / Heater shall conform to the following standards:

Stack No.	Stack attached to	Stack height in meter	Air Pollution Control Measures	Parameter	Permissible limit
1.	Raw Mill Kiln 1	45	Bag House	PM	30 mg/Nm ³
2.	Raw Mill Kiln 2	45	Bag House	SO ₂	100mg/Nm ³
				NO _x	800mg/Nm ³
3.	Cooler exit 1	60	ESP	PM	30 mg/Nm ³
4.	Cooler exit 2	60	ESP	PM	30 mg/Nm ³
5.	Cement Mill 1	53	ESP	PM	30 mg/Nm ³
6.	Cement Mill 2	53	ESP	PM	30 mg/Nm ³
7.	Cement Mill 3	53	ESP	PM	30 mg/Nm ³
8.	Cement Mill 4	53	ESP	PM	30 mg/Nm ³
9.	Coal Mill 1	60	Bag Filter	PM	30 mg/Nm ³
10.	Coal Mill 2	60	Bag Filter	PM	30 mg/Nm ³
11.	Packer 1	33	Bag Filter	PM	30 mg/Nm ³
12.	Packer 2	33	Bag Filter	PM	30 mg/Nm ³
13.	Packer 3	33	Bag Filter	PM	30 mg/Nm ³
14.	Packer 4	33	Bag Filter	PM	30 mg/Nm ³

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15.	Lime Stone Crusher-1	33	Bag Filter	PM	30 mg/Nm ³
16.	Lime Stone Crusher-2	33	Bag Filter	PM	30 mg/Nm ³

- 4.4 The concentration of the following parameters in the ambient air within the premises of the industry shall not exceed the limits specified hereunder as per national Ambient Air Quality Emission Standards issued by Ministry of Environment and Forest dated 16th November-2009

Sr. No.	Pollutant	Time Weighted Average	Concentration in Ambient air in µg/m ³
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

- 4.5 The applicant shall provide pertholes, ladder, platform or 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.
- 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 75dB(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.

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 Industry shall have to display on-line data outside the main factory gate with regard to quantity and nature of hazardous chemicals being handled in the Plant, including wastewater and air emissions and solid hazardous waste generated within the factory premises.
- 5.3 Industry shall have to display the relevant information with regard to hazardous waste as indicated in the Hon. Supreme order in w.p. no. 857 of 1995 dated 14th October, 2003.

6. Authorization under Hazardous and Other Waste (Management and Transboundary Movement) Rules-2018 FORM 2 [See rule 6(2)]

FORM FOR GRANT OR RENEWAL OF AUTHORISATION BY STATE POLLUTION CONTROL BOARD TO THE OCCUPIERS, RECYCLERS, REPROCESSORS, REUSERS, USER AND OPERATORS OF DISPOSAL FACILITIES

- 6.1 Number of authorization: AWH-97041. Date of issue 06/11/2018.

M/S. ULTRATECH CEMENT LTD., (GUJARAT CEMENT WORKS), (ID-14813), is hereby granted an authorization to operate facility for following hazardous wastes on the premises situated at SR NO.168,268 & 270, VILL-KOVAYA--365541, TA-RAJULA, DIST: AMRELI.

Details of authorization

Sr. No.	Category of hazardous waste as per the schedules I, II, III of these rules	Authorized mode of disposal or recycling or utilization or Co processing, etc.	Quantity (ton/annum)
---------	--	--	----------------------



GUJARAT POLLUTION CONTROL BOARD

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For Alembic Reference only

Outward

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Outward A

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GUJARAT POLLUTION CONTROL BOARD

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85	28.1	and disposal by Co-processing in cement kiln.	
		Collection, Storage Transportation, preprocessing and disposal by Co-processing in cement kiln.	20,000
86	28.2	Collection, Storage Transportation, preprocessing and disposal by Co-processing in cement kiln.	10,000
87	28.3	Collection, Storage Transportation, preprocessing and disposal by Co-processing in cement kiln.	10,000
88	28.4	Collection, Storage Transportation, preprocessing and disposal by Co-processing in cement kiln.	20,000
89	28.5	Collection, Storage Transportation, preprocessing and disposal by Co-processing in cement kiln.	20,000
90	28.6	Collection, Storage Transportation, preprocessing and disposal by Co-processing in cement kiln.	30,000

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GUJARAT POLLUTION CONTROL BOARD

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- 6.2 The authorization is granted to operate a facility for collection, storage within factory premises transportation and Recycle.
- 6.3 The authorization shall be valid upto 30/06/2023.
- 6.4 The authorization is subject to the conditions stated below and such other conditions as may be specified in the rules from time to time under the Environment (Protection) Act-1986.
7. General Conditions
- A. Conditions under Hazardous and other Wastes (MSTW) Rules-2016
- 7.1 The Authorized person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
- 7.2 The Authorization or its renewal shall be produced for inspection at the request of an officer Authorized by the State Pollution Control Board.
- 7.3 The person Authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
- 7.4 Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation.
- 7.5 The person authorized shall implement Emergency Response Procedure (ERP) for which this authorisation 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.

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- 7.6 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 Permit'.
- 7.7 It is the duty of the authorized person to take prior permission of the State Pollution Control Board to close down the facility.
- 7.8 The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- 7.9 The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- 7.10 The hazardous and other waste which gets generated during recycling or reuse or recovery or re-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
- 7.11 The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
- 7.12 An application for the renewal of an authorisation shall be made as laid down under these Rules.
- 7.13 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.
- 7.14 Annual return shall be filed by June 30th for the period ensuing 31st March of the year.

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 authorisation.
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.
3. In case of renewal of authorisation, 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.
4. The occupier of the facility shall comply standard operating procedure/ guidelines published by MoEF&CC or CPCB or GPCB from time to time.
5. Unit shall comply provisions of E-Waste Management Rules-2016.
6. The disposal of Hazardous Waste shall be carried out as per the waste Management hierarchy.

For and on behalf of
GUJARAT POLLUTION CONTROL BOARD


(Chirag Bhattacharya)
Unit Head

DATE: -

NO: PC/PCA-AMR-4(10)/GPCB ID: 13813/
ISSUE TO:
M/S. ULTRATECH CEMENT LTD., (GUJARAT CEMENT WORKS),
SR NO.168, 268 & 270,
VILL-KOVAYA- 365541
TA-RAJULA, DIST: ANRELI.

Agreement of Ultratech Cements Ltd.

भारतीय गैर न्यायिक
एक सौ रुपये **Rs. 100**
रु. 100 **ONE HUNDRED RUPEES**
भारत INDIA
INDIA NON JUDICIAL

गुजरात गुजरात GUJARAT AM 089041

चलुन नं. : ४३५८९... दि. : ०९/०२/२०१५ श. १०००

अरीद्वार नं. : **ALEMBIC PHARMACEUTICALS LTD.**
 सरलायु : **Alembic Road, Vadodra-390003.**

हस्ते : दि. : सेही :
 स्टैम्प वेक्टर : ला. नं. ४/२००१
 श्रीमती शैलजेन हेमंतकुमार शोदापाखा ला. ८/११/२००१
 शीप नं. इस्ट इलॉर, कैलाश कोम्पलेक्स, हारी मिलेकर महादेव भंडारणी
 बाजुभां, बी. पी. सी. हवेली रोड, वडोदरा - ३६० ००५
 फोन / फॅक्स नं. (०२६५) २०२१४००, मोबाइल नं. ८४०८६४५५७
 (मि) : ९४०८९ ४४५५७ e-mail : shivanislamps@yahoo.com


CO-PROCESSING AGREEMENT

This Agreement (hereinafter referred to as the "Agreement"), is made and entered into this 30th day of January 2015,

By and Between:

Alembic Pharmaceuticals Limited, a Company incorporated under the Companies Act, 1956 having its registered office at Alembic Pharmaceuticals Limited, Alembic Road, Vadodra (hereinafter referred to as "**Alembic**", which expression shall, unless repugnant to the context, mean and include its successors and assigns) of the One Part.

For **ULTRATECH CEMENT LTD.**
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And

UltraTech Cement Limited, a part of Aditya Birla Group, a Company incorporated under the Indian Companies Act, 1956, having its registered office at Ahara Centre, B Wing, IInd Floor, Mahakali Caves Road, Andheri East, Mumbai - 400093 (hereinafter referred to as the "ULTRATECH"), which expression shall, unless repugnant to the context, mean and include its successors and assigns of the Other Part.

Alembic and ULTRATECH are collectively referred to as "Parties" and each individually as "Party".

WHEREAS, Alembic, is engaged in the business of Bulk Drugs API Manufacturing and is in search of an economical and environment - friendly method of disposing of Process/Distillation Residues, Spent Carbon, Spent Solvents and Expired/Off-Specification Medicines (hereinafter referred to as the "Waste Materials"), which are generated during production at Alembic's Manufacturing Plants located at:

1. M/s. Alembic Pharmaceutical Limited, API Division I, Panelav, Ta. Halol, Dist Panchmahals.
2. M/s. Alembic Pharmaceutical Limited, Plot No. 842, 843, Village - Karakhadi, Ta-Padra, Dist - Vadodara.
3. M/s. Alembic Pharmaceutical Limited, API Division II, Plot No. 144/P, 145/P, 137, Panelav, Halol-389350, Ta. Kalol, Dist Panchmahals.
4. M/s. Alembic Pharmaceutical Limited, Formulation Division, Post, Panelav, Ta. Halol, Dist Panchmahals.

AND WHEREAS, Alembic has informed that they shall be sending Off-Specification Medicines and date expired Medicines from their various warehouses located across India.

AND WHEREAS, ULTRATECH is in the business of manufacture and sale of different types and grades of Cement and other construction materials and has represented to Alembic that it has the capability to dispose of the Waste Materials in an environment friendly manner in the cement kiln process (hereinafter referred to as "Co-processing")

AND WHEREAS, the Parties have decided to enter into this Agreement which records the terms on which ULTRATECH shall Co-Process the Waste Materials, at its Cement Plant (hereinafter referred to as "ULTRATECH's Cement Plant") situated at:

1. Gujarat Cement Works, P.O. : Koriya, Taluka: Rajula City, Dist. Amreli, Pin: 365 541, Gujarat.
2. Aditya Cement Works, P.O.: Adityapuram, Shambhupura, Chittorgarh: 312 612, Rajasthan

Subject to Alembic and ULTRATECH obtaining all statutory clearances, consents, no objection certificate, writings and confirmations as may be applicable from various authorities for the said purpose.

NOW, THEREFORE, for and in consideration of the foregoing premises and of the mutual covenant herein after stipulated, the parties hereto, one with the other, do hereby agree as follows:

1. EXECUTION OF CO-PROCESSING

1.1 Co-processing

ULTRATECH shall, during the Term of the Agreement as set out in Clause 6 (ix) herein below, provide the Co-Processing of all the consignments of Waste Materials of Alembic, delivered to the ULTRATECH's Cement Plant, which conforms to the specifications as set out in Annexure A attached to the Agreement and which does not contain any of the items listed in the banned item list as set out in Annexure B attached to the Agreement.

ULTRATECH warrants that it shall do the co-processing in such manner as not to cause or potentially cause the pollution of the environment, danger to the health and safety of the public or

For ULTRATECH CEMENT LTD

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to animals and vegetation, or loss, wrong handling, improper or incorrect treatment, processing and disposal of the Waste Materials.

1.2 Quantity and Schedule of Delivery

- 1.2.1 Alembic shall be responsible to transfer the entire quantities of Waste Materials generated at its Manufacturing Plant, free of all costs and with zero invoice value to ULTRATECH's Cement Plant.
- 1.2.2 Alembic shall, at its own cost, arrange to get each consignment of Waste Materials weighed at the weigh-bridge and issue the weighbridge challan to waste transporter while dispatching any consignment of Waste Materials from its Manufacturing Plant to the ULTRATECH's Cement Plant. Alembic shall take necessary safety precautions while packing and transporting each consignment of Waste Materials.

The quantity of Waste Materials in any consignment delivered by Alembic to ULTRATECH's Cement Plant shall be determined by the electronic weighbridge installed at the ULTRATECH's Cement Plant. All Waste Materials related reports including inventory list relating to ULTRATECH shall be prepared as per ULTRATECH's electronic weighbridge records maintained at the ULTRATECH's Cement Plant, which shall be the conclusive documentary proof evidencing the actual quantity of Waste Materials received by ULTRATECH in any consignment of Waste Materials dispatched from Alembic's Manufacturing Plant. In the event of any dispute on the actual quantities of Waste Materials dispatched by Alembic and received by ULTRATECH, the Parties hereto shall resolve the same in good faith through discussion on the appropriate actions required to be taken for verification and correction of any discrepancy.

- 1.2.3 The Stores / Quality department of ULTRATECH's Cement Plant shall issue acceptance receipt to Alembic within three (3) working days from the date of delivery of the Waste Materials consignments by Alembic at the Cement Plant of ULTRATECH. If ULTRATECH delays issuance of such acceptance receipt beyond three (3) days from the date of delivery of any consignment of Waste Materials by Alembic, it shall be deemed that ULTRATECH has accepted the consignment of Waste Materials along with its risk and liability from the end of the three (3) days. The Waste Materials acceptance receipt issued at the gate of ULTRATECH's Cement Plant shall be the conclusive documentary proof evidencing the acceptance of any consignment of Waste Materials by ULTRATECH.

ULTRATECH shall provide space for unloading, storage and handling of the Waste Materials delivered from Alembic's Manufacturing Plant to the storage area(s) at its Cement Plant. The costs related to unloading, handling and storage of Waste Materials in ULTRATECH's Cement Plant shall be borne by ULTRATECH. The risks and liability related to unloading, handling and storage of Waste Materials in ULTRATECH's Cement Plant during the acceptance process shall be with Alembic unless caused by gross negligence or material breach on the part of ULTRATECH and Alembic shall indemnify ULTRATECH in case of any loss, costs, expenses arising out of such liability and incurred by ULTRATECH. On acceptance of Waste Materials at the Cement Plant of ULTRATECH, risk associated with the Waste Materials shall pass from Alembic and vest in ULTRATECH.

1.3 Non-Conforming Waste Materials

- 1.3.1 Alembic undertakes and confirms that the consignments of the Waste Materials delivered at the storage area(s) of the ULTRATECH's Cement Plant pursuant to the Agreement shall conform to the specifications as set out in **Annexure A** attached to the Agreement hereof. Alembic further undertakes and confirms that the Waste Materials shall not contain any of the items listed in the banned items list as set out in **Annexure B** attached to the Agreement. Alembic shall keep a record of Waste Materials delivered to ULTRATECH.

For ULTRATECH CEMENT LTD.


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1.3.2 The quality of Waste Materials in any consignment delivered by Alembic to ULTRATECH's Cement Plant shall be determined by the laboratory at ULTRATECH, which shall be the conclusive documentary evidence of the quality of material delivered to ULTRATECH.

1.3.3 In the event, ULTRATECH is in receipt of any consignment of Waste Materials at the storage area(s) of its Cement Plant that contains banned items and/or contains material other than that of the Waste Materials agreed between the Parties, ULTRATECH shall be entitled to refuse acceptance of such consignment of Waste Materials and inform in writing to Alembic its refusal to accept such consignment of Waste Materials in this case, Alembic shall arrange to collect and transport back the same at its cost and risk, within Seven (7) days from the date of written intimation from ULTRATECH.

1.3.4 In case Waste Materials delivered at the storage area(s) of ULTRATECH's Cement Plant do not conform to the specifications as set out in Annexure A attached to the Agreement hereof, then both the Parties shall hold discussions to arrive at a solution for Co-processing of the specific non conforming consignment at the ULTRATECH's Cement Plant provided the additional costs towards the same shall be borne by Alembic.

1.4 General Responsibilities

1.4.1 Alembic shall submit Waste characterization certificate to the Cement Plant of ULTRATECH as and when required.

1.4.2 ULTRATECH shall be responsible for disposal of Waste Materials. ULTRATECH shall be responsible for maintaining a record of processing and disposal of Waste Materials.

1.4.3 Alembic shall be responsible to depute its representatives to attend the meetings and answer any queries raised by ULTRATECH relating to the safe handling and storage of Waste Materials.

1.4.4 Subject to the provisions of this Agreement, and any required limitations contained in applicable laws and regulations, on acceptance of Waste Materials at the ULTRATECH's Cement Plant, the risk associated with the Waste Materials shall pass from Alembic and vest in ULTRATECH.

1.4.5 In the event ULTRATECH is required to comply with any additional statutory regulations and guidelines framed by the concerned authorities or Government Agency relating to emission monitoring for demonstrating the performance of Co-processing of the Waste Materials at ULTRATECH's Cement Plant pursuant to the Agreement, the same shall be complied with by ULTRATECH in consultation with Alembic, provided, the reasonable costs for the same shall be mutually agreed in advance and shall be borne by Alembic.

2. CO-PROCESSING CHARGES AND PAYMENT TERMS

2.1 In consideration of ULTRATECH disposing the Waste Materials, Alembic shall pay ULTRATECH co-processing charges towards co-processing the Waste Materials at the base rate as mentioned in the following table:

Sl No	Waste Materials	Base Rate (Rs/kg)
1	Spent ML / Spent Solvent	8.00
2	Spent Carbon	8.00
3	Process Residue / Distillation Residue	8.00
4	Off-Specification Medicines and date expired Medicines	8.00

For ULTRATECH CEMENT LTD.

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- 2.2 ULTRATECH shall issue a debit note or tax invoice to Alembic towards Co-processing charges for the Waste Materials Co-processed.
- 2.3 Alembic shall make payment towards the debit note or tax invoice amount within seven (7) days of the date of receipt of the debit note or tax invoice.
- 2.4 The charges stated in sub clause 2.1 above shall be net of all applicable taxes.
- 2.5 The co-processing charges stated in sub clause 2.1 may be reviewed at the beginning of each new financial year.

3. TAXES AND DUTIES

The Parties agree that all taxes, levies, imposts, deductions, charges, duties or withholdings which are assessed, levied, imposed or collected by any Government Central or State, and any taxes or levies arising in connection with the Agreement (other than income tax payable by ULTRATECH) shall be included in the invoice raised by ULTRATECH for co-processing charges and other charges, if any, and shall be payable by Alembic in addition to the co-processing charges and other charges, if any. Alembic agrees to provide the relevant certificate in respect of the income tax deduction at source on the amounts to be paid towards co-processing charges to ULTRATECH.

Without prejudice to the generality of the foregoing Alembic shall be responsible for the payment of the stamp duty applicable to the Agreement.

4. STATUTORY COMPLIANCE

- 4.1 Alembic shall be responsible for the following under applicable laws:

- (a) Obtain statutory registrations, clearances, license, no objection certificate, writings and confirmations from the concerned authorities and Government agencies, file returns, if required, relating to the loading, transportation and delivery of the Waste Materials to the storage area(s) of the Cement Plant of ULTRATECH.
- (b) Pay all applicable taxes, cesses, duties or other levies on (i) the supply of Waste Materials to ULTRATECH and (ii) transportation of Waste Materials from Alembic's Manufacturing Plant to ULTRATECH's Cement Plant.

- 4.2 ULTRATECH shall be responsible for the following under applicable laws:

- (a) Obtain statutory registrations, clearances, license, no objection certificate, writings and confirmations, if required, from concerned authorities and government agencies for the purpose of co-processing of Waste Materials from Alembic. File returns with the concerned authorities or Government agencies, if required, relating to co-processing of Waste Materials.
- (b) Pay all applicable taxes, cesses, duties or other levies on co-processing.

5. CONFIDENTIALITY OF INFORMATION

- 5.1 All information given by one Party to the other, pursuant to this Agreement in tangible form, which is specifically marked as confidential as well as all intangible information which is specifically conveyed as confidential, shall be deemed to be "Confidential information" for the purpose of this Agreement.
- 5.2 The Parties agree that the Confidential Information which has been or will be disclosed by or on behalf of the other Party will be received by the recipient Party in confidence and will be used only for performance under and in accordance with this Agreement.

For ULTRATECH CEMENT LTD.

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- 5.3 Each Party acknowledges and agrees that all Confidential Information constitutes valuable, special and unique assets of the business of Disclosing Party. Accordingly, the Parties agree that, in the event of any breach of this clause, in addition to any other remedies at law or in equity, the Parties shall be entitled to equitable relief, including injunctive relief and specific performance.
- 5.4 The confidentiality obligations of the Parties shall not apply to the following exceptions:
- any information which, either Party can demonstrate to the reasonable satisfaction of the disclosing Party, as already available in the public domain;
 - any information which, either Party can demonstrate to the reasonable satisfaction of the Disclosing Party, that such information is already available with them from a third party without any corresponding confidentiality obligations;
 - any information which, either Party can demonstrate to the reasonable satisfaction of the disclosing Party, that such information has been originally developed by them without using the Confidential Information.
 - any disclosure which may reasonably be required for the compliance of statutory obligations or for the purposes of legal proceedings or pursuant to an order passed by judicial or semi-judicial authority.
- 5.5 Any publicity in connection with the Agreement by either party shall be subject to the prior written consent of the other party.
- 5.6 Upon termination of this Agreement, each party shall return to the other party all confidential information (without retaining copies thereof) provided for the purposes of this Agreement.
- 6. TERM**
- The Agreement shall be valid for a term of ten (10) years from the date of execution of the Agreement. Upon expiry of the term hereof, this Agreement may be renewed by the Parties hereto by way of a written agreement on mutually agreed terms and conditions.
- 7. TERMINATION OF AGREEMENT**
- 7.1 Each Party may terminate the Agreement by giving to the other Party a written notice of Thirty (30) days, in the event of breach of the terms and conditions of the Agreement committed by the other Party.
- 7.2 In the event if the Pollution Control Board or other statutory authorities require additional emission monitoring measures to be completed by ULTRATECH as stated in sub-clause 1.4.5 above and the additional cost of emission monitoring is found by Alembic to be commercially not feasible, the Parties hereto shall have the option to mutually agree in writing for discontinuance of co-processing of Waste Materials from Alembic and thereafter the Agreement shall stand terminated forthwith.
- 7.3 Either Party may terminate this agreement for convenience by giving written notice to the other Party of Ninety (90) days.
- 8. EFFECT OF TERMINATION**
- 8.1 The rights, duties and responsibilities of each Party shall continue to be in full force and effect during the period of notice till the date of termination including the obligation of ULTRATECH to complete the unfinished portion of the waste disposal and the obligation of to settle all dues and/or invoices for the waste disposal completed by ULTRATECH till the date of termination and/or expenses incurred till the date of termination by ULTRATECH.

For ULTRATECH CEMENT LTD

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- 8.2 Neither party shall be liable to the other pursuant to such termination for compensation, reimbursement or damages on account of the loss of prospective business or profits or on account of expenditures, investments, lease or commitments or for any reason whatsoever arising out of such termination as set forth in clause 7 above, which is consequential in nature.

9. AMENDMENT

Any amendment and / or variation to the Agreement shall be mutually agreed by the parties in writing and executed by or on behalf of each of the Parties hereto.

10. SEVERABILITY

If any of the provisions shall be declared null and void or illegal, the validity of the other provisions of this agreement shall not be affected thereby.

11. FORCE MAJEURE

Neither party shall be considered in default in the performance of its obligation under the Agreement, if such performance is prevented or delayed on account of war, civil commotion, strike, epidemics, accidents, fires, unprecedented floods, earthquake or because of promulgation of any law or regulations by the Government, unforeseen breakdowns, operational and maintenance stoppages at Alembic or ULTRATECH's Cement Plant or account of any other Acts of God. At the time of occurrence of a force majeure condition, the affected Party shall give a notice in writing with documentary proof within fifteen (15) days from the date of occurrence of the force majeure condition indicating the cause of force majeure condition and the period for which the force majeure condition was likely to subsist. In the event the affected Party is prevented from fulfilling its obligation under the Agreement owing to the force majeure condition continuing for more than ninety (90) days, both Parties shall consult each other regarding the continuation of the Agreement including early termination as set forth in clause 7 above.

12. INDEMNITY

Each Party hereby indemnifies, defends and hold harmless the other Party, its directors, employees and agents from and against any and all claims, demands, fines, losses, damages, costs, penalties, expenses, actions, suits or proceedings, injuries, monetary liability on account of death of any person, costs of response to any governmental inquiry, liability for loss of or damage to property or for loss or damage arising from attachments, liens or claims of materials, men or laborers, and reasonable attorney and consulting fees and costs relating to any of the foregoing ("Claims"), arising from either Party's performance of the Agreement or resulting from either Party's acts or omissions or material breach of the Agreement. The foregoing indemnification shall not apply to the extent such Claims are the result of a Party's gross negligence or willful default.

13. NON WAIVER

Any delay or omission on the part of each party in exercising any rights provided under applicable law or under the Agreement shall not impair such rights or operate as a waiver thereof. The partial exercise of any right provided under applicable law or under the Agreement shall not preclude any other or further exercise thereof or the exercise of any other rights under the Agreement.

For ULTRATECH CEMENT LTD


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14. VALIDITY

If at any time during the term of the Agreement, all or any of clause(s) of the Agreement is or becomes illegal, invalid or unenforceable in any respect under the applicable law, the same shall not affect or impair the legality, validity or enforceability of any other provision of the Agreement.

15. ASSIGNMENT

Neither Party shall have the right to assign or transfer its rights and obligations under the Agreement to any third party or person without the prior written consent of the other Party.

16. SURVIVAL

Upon termination or expiry of the Agreement Clauses 2 (Co-processing Charges and Payment Terms), Clauses 3 (Taxes and Duties), Clauses 4 (Statutory Compliance), 5 (Confidentiality of Information), 8 (Effects of Termination), 12 (Indemnity) will survive such termination or expiry and continue to bind the Parties.

17. NOTICE

Unless otherwise provided in the Agreement, any notice, report or other communications given or made under or in connection with the matters contemplated by or arising from the Agreement, shall be deemed to have been duly given or made if sent by personal delivery or by registered post or by email addresses of each other, upon receipted delivery at the address of the relevant party. The relevant addresses, of the Parties for the purpose of the Agreement shall be notified by each party to the other within Seven (7) business days after the date execution of the Agreement.

18. DISPUTE RESOLUTION

The Parties shall endeavor to settle by mutual consultation and reference to senior management of both the Parties, any claim, dispute, or controversy arising out of, or in relation to the Agreement, including any Dispute with respect to the existence or validity hereof, the interpretation hereof, the activities performed under the Agreement, or the breach of the Agreement ("Dispute").

Any Disputes and differences whatsoever arising under or in connection with this Agreement which could not be settled by Parties through negotiations, after a period of thirty (30) business days from the service of the Notice of Dispute, shall be finally settled by arbitration in accordance with the Sole Arbitrator appointed as per the provisions of the Indian Arbitration and Conciliation Act, 1996 and any amendments thereto. The seat of Arbitration shall be at Mumbai. The Language of Arbitration shall be English.

19. RELATIONSHIP OF PARTIES

Nothing contained in the Agreement shall be construed as the engagement of ULTRATECH as an agent or partner of Alembic. The relationship between the Parties shall be principal to principal, it being clearly understood that it is a "contract for co-processing of Waste Materials" and not a "contract of services" and does not create and shall not be deemed to create any partnership, joint venture or a principal agent relationship between ULTRATECH and Alembic. Further, neither Party shall be entitled to by act, word, deed or otherwise make any statement on behalf of the other Party or in any manner bind the other Party or hold out or represent that it is representing or acting as agent or partner of the other Party.

For ULTRATECH CEMENT LTD

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20. HEADINGS

The paragraph headings contained in the Agreement are for the convenience of the parties and shall not affect the meaning and interpretation of the Agreement.

21. ENTIRE AGREEMENT

The Agreement along with its annexure embodies the entire understanding between the parties hereto and supersedes all previous correspondence, agreements and understanding, if any.

22. JURISDICTION

This Agreement shall be governed by Indian laws and the Parties irrevocably submit to the exclusive jurisdiction of the court at Mumbai.

IN WITNESS WHEREOF this Agreement is executed in two counterparts on the day and year first above written. Each Party hereto shall preserve one counterpart of the Agreement.

SIGNED AND DELIVERED for and on behalf of

Alembic Pharmaceuticals Limited, by the hand of its authorized signatory,

Mr. R. S. Joshi

In the presence of:

1. [Signature]
Signature of Witness 1

[Signature]
ALEMBIC PHARMACEUTICALS LTD.
Alembic Road, Vadodara-390003.

Bhavesh Patel
(Name of Witness 1)



2. [Signature]
Signature of Witness 2

Kalpesh Padaria
(Name of Witness 2)

SIGNED AND DELIVERED for and on behalf of

UltraTech Cement Limited by the hand of its authorized signatory,

For ULTRATECH CEMENT LTD

Mr. _____

[Signature]
Signature: Bimal Kumar Modi
BIMAL KUMAR MODI
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In the presence of:

1. [Signature]
Signature of Witness 1

AGHISHK PAL
(Name of Witness 1)

2. [Signature]
Signature of Witness 2

Komal Doshi
(Name of Witness 2)



Annexure A

I. Waste Materials Specifications/ Estimated Disposal Quantity

Specifications

Components	Acceptable Range	
	Aqueous Liquids	Others
% Moisture	-	≤ 20
% Sulphur	≤ 2.0	≤ 2.0
% Chloride	≤ 1.5	≤ 1.5
% Na ₂ O	≤ 1.0	≤ 1.0
% K ₂ O	≤ 3.0	≤ 3.0
Flash Point, °C	>45	>45
Calorific Value, kcal/kg	>2500	>3,500
Ash Content, %	≤ 5	≤ 5
Acetonitrile, C ₂ H ₃ N (also known by other names like Cyanomethane or Ethanenitrile or Ethyl nitrile or Methanecarbonitrile or Methyl cyanide)	Nil	Nil
White Phosphorus	Nil	Nil
Heavy Metals (ppm)		
Chromium	≤ 100	≤ 100
Hg	< 10	< 10
Cd + Hg + Pb	< 100	< 100
As+Co+Ni+Se+Te+Sb+Cr+Sn+Pb+V	< 2,500	< 2,500

Quantity for Disposal

Sr. No	Waste Type	Monthly Generation (tonnes)
1	Spent ML / Spent Solvent	As per generation
2	Spent Carbon	
3	Process Residue / Distillation Residue	
4	Off-Specification Medicines and date expired Medicines	

Note:

- The material shall be packed in non-PVC plastic bags or leak proof non-PVC plastic drums. The bulged or leaking drums shall be rejected. For liquids, the preferable mode is tankers.
- For Gujarat Cement Works, the flash point of material upto 10 °C is acceptable provided the material is vented tankers and prior confirmation is obtained in writing.
- Each vehicle/container shall be labeled for type of material –
 - Nature of the Material (Indicate one of the options from each of the following sub-groups):
 - Sub-Group#1: Acidic or Basic
 - Sub-Group#2: Organic or Aqueous
 - Sub-Group#3: PCB or Chlorinated or Non-halogenated
 - Sub-Group#4: Mention if Peroxides
 - Sub-Group#5: Mention if Explosive
 - Sub-Group#6: Mention if Water Reactive
 - Other requirements as per Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008 and amendments thereof.
- Before sending any new waste, the specifications would be decided mutually. Peroxides shall not be sent without taking UltraTech's explicit written consent for each consignment of Peroxides.

For ULTRATECH CEMENT LTD.

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Annexure B
List of Banned Items

The Waste Materials dispatched by Alembic's manufacturing plant to ULTRATECH's cement plant shall not contain following items that are in the banned item list of ULTRATECH for co-processing.

- Anatomical Hospital Wastes
- Asbestos-containing Wastes
- Bio-medical Wastes
- e-Waste
- Enrce Batteries
- Explosives
- High-concentration Cyanide Wastes
- Mineral Acids
- Radioactive Wastes
- Unsorted Municipal Garbage



For ULTRATECH CEMENT LTD.
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Amended Agreement of SEPPL

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INDIA

**FIFTY
RUPEES**

Rs.50

INDIA NON JUDICIAL

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 તા. :- ૧૮-૧૧-૧૮
 સ્થાન :- અમર
 સંબંધિત કાગળો દેસાઈ
 મહેસુલ, માર્ગશીર્ષ, ગુજરાત
 સંબંધિત, તા. નં. :- ૧૨-૦૨

Saurashtra Enviro Projects Pvt. Ltd.
 Detox House
 Opp. Central Jamnathor Press,
 Udhna Darwaja,
 Ring Road, Surat-395002.

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Annexure - A
Addendum to Agreement

Agreement Between M/s. Saurashtra Enviro Projects Pvt. Ltd. &
M/s. Alembic Pharmaceuticals Ltd. (API-I)
Dated 24/02/2012 is amended as mentioned below

Para 3 amended as below

- 1) Rates applicable towards Membership Renewal, Sample Testing and Waste Disposal are enclosed herewith as Annexure - 1. These rates are subject to revision from time to time and each such renewal shall form an integral part of this agreement.
- 2) GENERATOR guarantees OPERATOR to provide the following quantities of waste as Generated from their unit for disposal, hereinafter called as CONTRACTED QUANTITY which will be valid from 21/01/2017 upto 20/01/2022 as addenda to original agreement.

Sr. No	Description of Waste	Year 1 (MT/ANNUM)	Year 2 (MT/ANNUM)	Year 3 (MT/ANNUM)	Year 4 (MT/ANNUM)
1	Direct Landfill Waste	1100	1100	1100	1100

All other Terms and Conditions of the original agreement remain unchanged.

FOR SAURASHTRA ENVIRO PROJECTS PRIVATE LIMITED
For M/s. Saurashtra Enviro Projects Pvt. Ltd.

Authorized Signatory
 Name: Chiranjiv Desai
 Designation: Executive Director
 Date: 20.11.2018
 Place: Surat

For M/s. Alembic Pharmaceuticals Ltd. (API-I)

Authorized Signatory
 Name: Mr. Rajkesh Padaria
 Designation: Sr. Manager ETP
 Date: 20.11.2018
 Place: Gandhinagar Vadodra



ANNEXURE - I

Mutually Agreed Charges

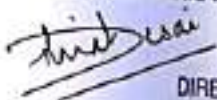
Membership Renewal fees for 5 Years

Sr. No.	Type of Industry	Membership Charges (In INR/-)
1	Corporate Membership For 5 Units (L.SI)	1,15,000/-

Treatment & Disposal Charges:

Disposal Charges:			
Sr. No.	Mode of Disposal	Disposal Charges (In INR. per MT)*	Transportation Charges
1	Secured Land Filling:		
1A	Waste Characteristics:		Rates are exclusive of Transportation charges
	pH	Neutral	
	Calorific value	≤ 2500 Cal/gm	
	Loss on Ignition	≤ 20%	
	Heavy metals	Nil	
	Toxicity	Nil	
	Corrosivity / reactivity	Non Corrosive/ Non reactive	
	Odor	Odorless	
	PLT test Status	Pass	
1B	Waste Characteristics:		
	pH	Neutral	
	Calorific Value	≤ 2500 Cal/gm	
	Loss on Ignition	≤ 20%	
	Heavy metals	Nil	
	Toxicity	Nil	
	Corrosivity / reactivity	Non Corrosive/ Non reactive	
	Odor	Odorless	
	PLT test Status or if vehicle is found Leaking	Fail	
2	GST*		As Applicable At the time of billing

FOR SAURASHTRA ENVRO PROJECTS PRIVATE LIMITED



DIRECTOR



Other Mutually Agreed Terms:

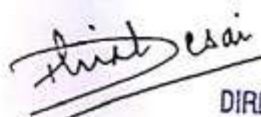
- 1) Generator will do Loading with all essential arrangements. Generator shall keep Operator indemnified from all liabilities during transit till acceptance of waste by Operator for disposal on their facility.
- 2) Payment Terms: 15 days against the date of receipt of Invoice.
- 3) In event of Waste deviating waste acceptance Criteria of the Operator, Operator reserves the right to detain the vehicle. Operator shall inform the Generator regarding the deviating factor, revise Disposal Pathway & applicable charges for disposal of waste. Operator shall proceed ahead with unloading of the consignment subject to mail from the Generator regarding acceptance of additional charges. Generator agrees to keep Operator indemnify from all liabilities during detention of the Generator's vehicle by the Operator.
- 4) Operator reserves the right to reject the vehicle in event of non-receipt of confirmation from the Generator. In event of rejection, Generator shall be solely responsible for any liability of the entire trip.

Transportation Charges

Type Of Vehicle	Rate upto 10MT	Rate Per MT above 10MT
Truck	INR 22,000/-	INR 3,500/-

Type Of Vehicle	Rate upto 20MT	Rate Per MT above 20MT
Tanker	INR 32,000/-	INR 1,800/-

FOR SAURASHTRA ENVIRO PROJECTS PRIVATE LIMITED



DIRECTOR



Original Agreement of SEPPL



गुजरात गुजरात GUJARAT

X 381793

दि. १२/०२/२०१२

केसासरील म. कीतवाणी, स्याम वेन्डर

सुरतपुरा, मोटो मल्लो, सुरत

जन्मदि. ०१/०८/८८

शेई की वा. नं. १५/८८

सही: *[Signature]*

SAURASHTRA ENVIRO PROJECTS PRIVATE LIMITED

3rd Floor, K. G. Chambers,
Opp. Gujarat Samachar Press,
Udhna Darwaja, Ring Road,
SURAT - 395 002,
GUJARAT - INDIA.

एनवायरो प्रोजेक्ट्स प्राइवेट लिमिटेड

AGREEMENT

This agreement is made on this 24th day of February of the Year Two Thousand and Twelve between, M/s. Saurashtra Enviro Projects Pvt. Ltd.(SEPPL), situated at Revenue S.No.384, 386, 409/1, 414, 415, 417, 418, Vill- Juna Katariya, Tal – Bhachau, Dist – Kutch, and having it registered office at 3rd Floor, K G Chambers, Udhana Darwaja, Ring Road Surat – 395 002 (herein after called **OPERATOR**) of the **FIRST PART**, (which expression includes their successors and assigns, unless such inclusion is inconsistent with the context or meaning thereof)

AND

M/s. Alembic Pharmaceutical Limited (API-Plant-I), Production unit at Plot No.119-121-132-133, Vill: Panelav, PO Tajpura, Tal: Halol, Dist: Panchmahal - 389 350, (herein after called **GENERATOR**) of the **SECOND PART**, (which expression include their successors and assigns, unless such inclusion is inconsistent with the context or meaning thereof)

FOR SAURASHTRA ENVIRO PROJECTS PRIVATE LIMITED

[Signature]
DIRECTOR





WHEREAS **OPERATOR**, has set up an Integrated Common Hazardous Waste Management Facilities for Storage, Treatment and Disposal of Hazardous Waste (hereinafter referred as Hazardous Waste) as per the guidelines under Hazardous Waste (Management & Handling) Rules, September 2008, for which **OPERATOR** is permitted and authorized by regulatory authorities [Gujarat Pollution Control Board (GPCB), Ministry of Environment & Forest (MoEF), Central Pollution control Board (CPCB), Department of Environment & Forest (DoEF)].

And whereas the **GENERATOR** is desirous to book/reserve with the **OPERATOR's** disposal facility for disposal of their **CONTRACTED QUANTITY** of waste. (Defined at clause no 3 of this agreement) The waste will be disposed at the sole discretion of the Operator in accordance with the disposal pathway decided based on the comprehensive analysis report of the waste received.

Now, following terms and conditions has been mutually declared and agreed by the parties of the agreement:

1. The Scope of Service to be provided by the **OPERATOR** is limited to Transportation (if any), Storage, Treatment and safe Disposal of Hazardous Waste of the **GENERATOR**.
2. **GENERATOR** will ensure that the transportation of Hazardous waste shall be in accordance with the provisions of Rules issued by the Central Government under Motor Vehicles Act 1988 and other guidelines issued from time to time and/or subject to the provisions of law for the time being in force.
3. **GENERATOR** guarantees **OPERATOR** to provide the following quantities of waste annually for disposal, hereinafter called as **CONTRACTED QUANTITY**.

Sr. No	Description of Waste	YEAR-1 KL/Annum	YEAR-2 KL/Annum	YEAR-3 KL/Annum	YEAR-4 KL/Annum	YEAR-5 KL/Annum
1	Direct Landfill Waste	-	-	-	-	-
2	Incinerable Waste	-	-	-	-	-
3	Heavy Metal Waste	-	-	-	-	-
4	Mix. Aqueous Inorganic Waste	1600	1600	1600	1600	1600

FOR SAURASHTRA (MVED) PROJECTS PRIVATE LIMITED

Shubhash
DIRECTOR





4. In case of a shortfall in the annually contracted quantity (reviewed quarterly) of waste, below 65% by the **GENERATOR**, the **OPERATOR** will be entitled to charge for a minimum of 65% of the contracted quantity on quarterly basis during the contract period.
5. The charges for Transportation (as applicable), Treatment, Storage, and Disposal (herein after called as **USER CHARGES**) will be applicable to **GENERATOR**, as per Annexure 'I' which shall be applied on pro-rata basis along with the charges defined by the **OPERATOR** from time to time basis during the active period of the signed agreement.
6. **GENERATOR** shall segregate, store, load & make appropriate arrangement to transport the different categories of Hazardous Waste to the **OPERATOR** to ensure scientific disposal of hazardous waste at all times.
7. **OPERATOR** on receipt of information from **GENERATOR** will plan and schedule the logistics as required and the **GENERATOR** shall provide manifests in line with statutory requirement for compliance.
8. If on requisition made by the **GENERATOR**, in writing (preferable through emails) and the Transport vehicle sent by the **OPERATOR** for collection of Hazardous Waste, is returned without loading the Hazardous Waste, and without giving any justifiable reasons for refusal to load the Hazardous Waste, the **GENERATOR** shall be liable to pay all the expenses incurred by the **OPERATOR** for the trip.
9. **GENERATOR** has the right to refuse the use of transportation facility provided by the **OPERATOR**. In such an event, the transportation of the waste shall have to be done through vehicles which are registered and complying Hazardous Waste Management rules 2008 amended till date.
10. **OPERATOR** hereby agrees to enter into a contract with the **GENERATOR** and shall dispose of the waste as per the mandate given to **OPERATOR** by the regulatory authorities. **OPERATOR** shall follow the specified Guidelines, Notifications, Acts as amended and applicable, notified by the concerned regulatory authorities from time to time. **OPERATOR** may revise the disposal pathway in accordance with the latest available technologies for which the **GENERATOR** herewith submits their irrevocable acceptance.

FOR SAURASHTRA ENRGY PROJECTS PRIVATE LIMITED

Hitesh Desai
DIRECTOR





11. Both Parties herewith agree that due to change in any pollution related laws, disposable pathways or due to any directive of any court or authority, if **OPERATOR** has to incur any additional financial burden consequent upon any alternation / modification in the facility, disposable pathway or due to other reason; affecting the disposal cost, then in that case the **GENERATOR** shall be liable to pay the additional disposal cost to the **OPERATOR** on raising of demand for the same proportionate to their waste.
12. The present agreement shall come in force from 24th February 2012 and shall remain valid upto 17 November 2028. The **GENERATOR UNIT** has obtained Corporate Membership for Five Units by paying non-refundable fee of Rs. 100000/- (One Lac Only) from the date of this agreement towards issue of membership certificate valid for this five year term. The **OPERATOR** will issue the membership certificate to the **GENERATOR** for 3 more blocks of 5 (five) years each or upto 17 November 2028 whichever is earlier on expiry of the current term in accordance with the then prevailing commercial, statutory, general terms and conditions and renewal fees payable by the **GENERATOR** at the time as may be mutually agreed.
13. **GENERATOR** has mandatory obligation to provide the entire process details which leads to generation of Hazardous Waste, to the **OPERATOR** for the purpose of determining the Waste Characteristics and to establish the comprehensive analysis report for Hazardous Waste acceptance and deciding the final disposal pathway. This process shall be re-conducted (On chargeable basis) at the beginning of every financial year to ensure the Waste Characteristics for comprehensive analysis. Fresh detailed analysis reports shall be generated by the **OPERATOR**, in the event of any change in the Hazardous Waste characteristic of the **GENERATOR** arising from changes in manufacturing processes, changes in the product mix etc.
14. **GENERATOR** shall take prior permission of the **OPERATOR** for the disposal of Hazardous Waste exceeding the contracted quantity at the **OPERATOR**'s site. If **OPERATOR** is able and prepared to receive the same, then in that event **OPERATOR** may show its willingness to accept the said Additional Quantity up to 10% of the contracted quantity at the same price. If the member wants to send its Hazardous Waste in excess of the above mentioned permissible Additional Quantity of 10%, then in that event, mutually agreed charges shall be made applicable. FOR SAURASHTRA ENVRO PROJECTS PRIVATE LIMITED

Shival Desai
DIRECTOR





15. The **GENERATOR** shall be allowed to send and dispose any Hazardous Waste expressly specified by **OPERATOR** after obtaining prior permission of the **OPERATOR**:

- I. Wastes containing explosive substances
- II. Waste which has an obnoxious odour.
- III. Waste which is flammable (Flash point below 65°C)
- IV. Waste which contains shock sensitive substances.
- V. Waste which contains volatile substance of significant toxicity.

The **OPERATOR** shall reject the entire consignment of waste disposal if not found according to their pre-declared & decided acceptance criteria. In such an event, if the **GENERATOR** still desires to dispose such waste at the **OPERATOR**'s facility the **GENERATOR** will be charged accordingly for the expenditure involved in analyzing, handling and treatment of this waste. In the event the waste is sent back to the **GENERATOR**, the transportation charges (to & fro) shall be borne by the **GENERATOR** as per the invoice raised by the **OPERATOR**.

16. **GENERATOR** has to mandatorily maintain and provide detailed documentation of Hazardous Waste as Follows:

- a) Details of Waste on the Storage Container as per (Form 8 as per Hazardous Waste (M&H) rules 1989 and as amended thereafter.
- b) Details about the Hazardous Waste and its characteristics regarding presence of Explosive/Ignitable/Corrosive/Toxic/Odor compounds in the Transport Manifest Form (Form 13 as per Hazardous Waste (M&H) Rules 1989, and as amended thereafter.
- c) Trem Card (Form 11 as per Hazardous Waste (M&H) Rules 1989, and as Amended, to the transporter of the Hazardous Waste.
- d) Copy no. 3,4,5,6 of the XGN generated Manifest

17. In the event of false misleading information or withholding information at any time during this agreement **being in force or until the existence of the facility**, all liabilities during Transportation, Handling, Treatment, Disposal including post disposal period shall remain vested as the sole responsibility of the **GENERATOR**.

18. The user charges shall be paid in advance at the time of requesting the loading of waste for disposal. The present rates shall be applicable for the current financial year and shall be revised

FOR SAURASHTRA LIAISON PROJECTS POWER SUPPLY

Shriat Desai
DIRECTOR





as per mutually agreed terms thereafter. The transportation rates are subject to revision as per the fluctuation of the diesel and other associated costs.

19. **GENERATOR** declares that the **GENERATOR UNIT** alone shall be liable for any action initiated against the **GENERATOR UNIT** under the Hazardous Waste (Management & Handling) Rules (2008) as amended, framed under the Environment Protection Act (1986), Environment Laws, by the Central and State Pollution Control Board or any other Regulatory agencies.
20. **OPERATOR** or any officers / directors of the **OPERATOR** shall not be held liable for any injury, sickness, disability or loss to the **GENERATOR's** employees or contracted workers and / or any form of damage to or destruction of the **GENERATOR's** vehicles or equipment through physical contact with any type of hazardous substances within the **OPERATOR's** premises on account of negligence on the part of the **GENERATOR's** employees or contracted workers whilst operating within the **OPERATOR's** premises.
21. Both the parties herewith agrees that in any event there being an order in the form of any injunction, stay from Court of law, GPCB or any other Authority stopping the functioning of the Site, acts of God or humans such as Strikes, Fires, Flood, Extreme drought, Shortage of supply, Riots, Word stoppages, Embargoes, Damage to the plant or facility or any unavoidable cause beyond the control of the **OPERATOR**, whereby **OPERATOR** becomes unable to accept the waste of the **GENERATOR**, **OPERATOR** shall not be responsible or be liable in any manner in that regard and that in such an event, it shall be the responsibility of the **GENERATOR** to get the needful done in respect of disposal of their waste.
22. Both Parties undertake to keep each other indemnified and harmless from and against all loss, liability, damage, fees, cost (including reasonable legal costs on a solicitor client basis), expenses, suit, claims, demand, judgment and prosecution directly or indirectly arising from or incidental to or resulting from (i) failure to comply with or discharge their statutory obligations (ii) Any and all third party claims arising out of or in connection with breach of any obligation of this Agreement (iii) failure to comply with applicable laws, regulations, guidelines and rules including the Hazardous Waste (Management & Handling) rules 2008

FOR SAURASHTRA ENVIRONMENTAL PROTECTION

Shital Desai
DIRECTOR





23. The Agreement shall be deemed to represent the entire Membership between the parties hereto regarding the subject matter hereof and shall supersede, cancel or replace any and all prior agreements or arrangement (if any) in this behalf, by and between the parties hereto.
24. This Agreement is regarding the Contract for Transportation (as applicable), Treatment, Storage and Final Disposal of the Haz Waste generated by the GENERATOR and nothing contained herein shall be deemed to constitute a partnership, joint venture or agency by and between the parties hereto.
25. Any suitable changes required to be made to this agreement shall be conveyed by either party to this Agreement. Such amendment shall be expressly communicated either by way of email correspondence or through an addendum to the agreement. The other party shall revert within 7 (seven) working days on this suggestion in the event it has a concern on such addendum. In the event of non receipt of any response from the other party within the seven day period, the changes will be deemed to be accepted by the other party and will form part of this agreement with such an amendment.
26. Either party shall have the right to terminate the agreement in the event of violation of any of the terms and conditions as agreed upon in this agreement upon giving 90 days written notice to the other party.
27. **OPERATOR** and **GENERATOR** mutually agree that all disputes arising from this agreement shall be subject to Surat jurisdiction.
28. Any dispute arising on any clause or clauses of this agreement hereto between the **GENERATOR** and **OPERATOR** shall be referred to Arbitration. The Arbitration shall be governed by and conducted in accordance with the provisions of the Arbitration and Conciliation Act (1996). The Arbitration shall take place at Surat, the award of which shall be final and binding upon both parties.

The addresses of the parties hereto unless changed by written notification to be given at least 15 days in advance by registered letter prior to proposed date of change, shall be as follows:

FOR SAURASHTRA LIMITED

Shital Desai
DIRECTOR



**OPERATOR**

Regd. Office 3 rd Floor, K G Chambers, Udhana Darwaja, Ring Road, Opp. Gujarat Samachar Press, Surat - 395002	Facility Office Revenue Survey Numbers 384,386,409/1, 414,415,417,418, Village - Juna Katariya, Tal - Bhachau, Dist - Kutch
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GENERATOR

Regd. Office Alembic Road, Dist: Vadodara 390 003	Site Office Plot No.119-121-132-133, Vill: Panelav, PO Tajpura, Tal: Halol, Dist: Panchmahal - 389 350
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IN WITNESS WHEREOF the parties hereto acting through their properly constituted representatives have set their hands to cause this AGREEMENT signed and executed in their respective names and on their behalf.

**For and on behalf of
OPERATOR**

Name : Mr. Hiral Desai
Designation : Executive Director
Address : 3rd Floor, K G Chambers,
Udhana Darwaja, Ring Road,
Surat - 395 002

Witness
1.....
Name : Mr. Amit Renose
Designation : Sr. Mgr- Business Development
Address : 3rd Floor, K G Chambers,
Udhana Darwaja, Ring Road
Surat - 395 002

2.....
Name : Mr. Vinod Pathak
Designation : Head (Accounts)
Address : 3rd Floor, K G Chambers,
Udhana Darwaja, Ring Road
Surat - 395 002

**For and on Behalf of
GENERATOR**

Name : Mr. Rajesh S. Joshi
Designation : Sr. Manager Env.
Address : Alembic Road,
Vadodara
Dist: Vadodara

Witness
1.....
Name : Mr. Kalpesh Padaria
Designation : Dy. Manager
Address : Alembic Road,
Vadodara
Dist: Vadodara

2.....
Name : Mr. Chetan Patel
Designation : Sr. Executive
Address : Alembic Road,
Vadodara
Dist: Vadodara





ANNEXURE – I

- **Membership fees:** : Rs. 100000/- (Corporate Membership for 5 Units)
(Non refundable, Valid for 5 Years)
- **Sample analysis charges** : Rs. 4500/- per sample
(For Comprehensive Analysis)
- **Agreed Disposal Charges:**
 1. Secured Land filling : Rs.900/- per MT (Excluding Transportation)
 2. Incineration Charges : Rs.12,000/- per MT(Excluding Transportation)
 3. Unloading & Handling Charges : Rs.50/- per MT
 4. Taxes : As applicable
 - 5 Transportation Charges:

Type Of Vehicle	Rate upto 10MT	Rate Per MT above 10MT
Truck	22000	3500

Type Of Vehicle	Rate upto 20KL (Rs.)	Rate Per KL above 20 KL(Rs.)
Tanker	32000	1800

Note:-

- Loading will be done by Alembic Pharmaceutical Limited (API-Plant-I)
- Payment Terms: Advance Against performa Invoice
- Neutralization charges shall be extra in case the waste is acidic or alkaline
- In case of any deviation found in waste the same shall be rejected and shall be send back at the cost of the generator

FOR SAURASHTRA ENVIRO PROJECTS PRIVATE LIMITED

[Signature]
DIRECTOR



Consent of RSPL



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector 10-A, Gandhinagar 382 010

Phone : (079) 23226295

Fax : (079) 23232156

Website : www.gpcb.gov.in

BY R.P.A.D

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution)-1981 and Authorization under rule 6(2) of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016 & as amended from time to time framed under the Environment (Protection) Act-1986.

And whereas Board has received consolidated consent application Inward LD.NO. 115518 dated 28/11/2016 for the Consolidated Consent and Authorization (CC & A) of this Board and under the provisions/rules of the aforesaid acts. Consents & Authorization are hereby granted as under

CONSENTS AND AUTHORISATION:

(Under the provisions /rules of the aforesaid environmental acts)

To,
M/s Recycling Solution Pvt Ltd.
Plot no.-223, GIDC Estate, Panoli
Ankleshwar-394116
Dist-Ankleshwar

1. Consent Order No: AWH - 83687, Date of Issue-16/01/2017

The consents under Water Act-1974, Air Act-1981 and Hazardous and Other Wastes (M&TM) Rules - 2016 shall be valid up to 31/12/2021 for the following activities at Plot No. 223, GIDC Estate, Panoli, and Dist. Ankleshwar - 394116.

Sr No.	Facility	Capacity
1.	(Solid, Semi Solid & Liquid) Waste Mix Pre-Processing Facility	240MT/Day

2. SUBJECT TO THE FOLLOWING SPECIFIC CONDITIONS

- 2.1 Applicant shall have to obtain trial/regular permission from SPCB / CPCB prior to send the prepare fuel to Cement industry.
- 2.2 Pre-processing of hazardous and other wastes shall be carried out only after making the entry into the passbook issued by the SPCB.
- 2.3 Unit shall maintain and submit monthly records of waste received and pre processed to the Board.
- 2.4 Applicant shall operate the processing facility in such a way so that stored volume of Hazardous waste/prepared fuel shall not exceed the storage time of 90 days from date of receipt and in case of exceeding the time limit, applicant shall stop immediately receiving hazardous waste from member units until prepared fuel from such stored hazardous waste is sent to cement industries for co-processing.
- 2.5 Applicant shall operate the processing facility in such a way so that stored volume of Hazardous waste/prepared fuel shall not exceed the storage capacity at any point of time, Once the stored volume reaches to the storage capacity, facility shall stop immediately receiving hazardous waste from member units.
- 2.6 Applicant shall have to strictly comply and adhered to the MOU signed and legal undertaking submitted to the board in letter and spirit.

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ISO-9001-2008 & ISO-14001 - 2004 Certified Organisation

- 2.7 Applicant shall have to obtain the membership of Common Hazardous Waste TSDF and Incineration facility.
- 2.8 Applicant shall carry out only Collection, Storage and transportation of Hazardous waste from Member Units to their processing facility and processing (blending) for the preparation of fuel for co-processing (Co-Incineration).
- 2.9 Applicant shall not send prepared fuel for co-processing (Co-Incineration) without obtaining prior CCA - amendment of the Board.
- 2.10 Applicant shall have to comply with all the recommendations, suggestions and Environmental stipulations given by Hon. Supreme Court of INDIA, Ministry of Environment & Forests New Delhi, Central Pollution Control Board Delhi and Gujarat Pollution Control Board from time to time.
- 2.11 In case of deviation or alteration in the project including the implementing agency, a fresh reference shall be made to GPCB and MoEF, New Delhi for modification in the Clearance conditions or imposition of new one for ensuring environmental protection. The applicant shall be responsible for implementing the suggested safe guards.
- 2.12 Applicant shall follow the Guidelines of CPCB for labeling, transportation, storage and disposal of hazardous wastes in an environmental sound manner.
- 2.13 Applicant shall have to take all the precautions to control fugitive emission and Odour control from the different operations of your site as per the Guideline of CPCB.
- 2.14 The Project proponent shall make necessary arrangement for online monitoring of below shown parameters and display it online on XGN of Common Hazardous waste Incineration facility.
- 2.15 The project proponent shall use Hazardous waste tracking system of X tended Green Node (XGN) for on line real time data updation on Transportation of Hazardous waste by them. The compilation of real time data for preparing online manifest by the generator, Transporter and receptor shall have to be maintained on daily basis & submitted by the generator and receptor of the facility to the concerned Regional Office, and Head Office, GPCB.
- 2.16 The project proponent shall have to transport Hazardous waste through dedicated Vehicles with GPS (Global Positioning System) enabled system and in line with Hazardous and other wastes (Management and Transboundary Movement) Rules-2016.
- 2.17 Applicant shall carry out TCLP test in and around the processing facility and submit the report at regular interval.
- 2.18 Applicant shall furnish the copy of insurance policy as per Public Liability Insurance act 1991 to the Board.
- 2.19 Applicant shall prepare on site emergency plan and Disaster management plan as per the various guidelines published by competent authority and also conduct mock drill in co-ordination with local district co-ordination and Regional office GPCB.
- 2.20 Applicant shall submit the plan in accordance with the Chemical Accidents (Emergency Planning, preparedness and response) Rules, 1996 published by MOEF New Delhi.
- 2.21 It shall be the responsibility/duty of the applicant to take adequate steps while handling hazardous wastes to contain contaminants and prevent accidents and their consequences on human and environment, and prevent person working on the site with information, training and equipment necessary to ensure their safety.
- 2.22 Applicant shall be liable for all damage caused to the environment or third party due to improper handling and storage of the hazardous wastes or disposal of the hazardous wastes.
- 2.23 Applicant shall be liable to pay financial penalties as levied for any violation of the provisions under Hazardous Wastes (Management, Handling and Trans Boundary Movement) Rules, 2008 by the State Pollution Control Board with the prior approval of the Central Pollution Control Board.
- 2.24 In case of transportation of hazardous wastes through a State other than the State of origin or destination the occupier shall intimate the concerned State Pollution Control Boards before, he hands over the hazardous wastes to the transporter (if applicable).

Outward No: 4085/2020



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN
Sector 10-A, Gandhinagar 382 010
Phone : (079) 23226295
Fax : (079) 23232156
Website : www.gpcb.gov.in

3. CONDITIONS UNDER WATER ACT :

- 3.1 The Discharge of industrial effluent from the common facilities and other related operations of the site shall be "ZERO" KLD.
- 3.2 The quantity of the domestic waste water (Sewage) shall not exceed 2.9KLD.
- 3.3 Sewage shall be disposed of through septic tank and soak pit system.

4. CONDITION UNDER AIR ACT:

- 4.1 There is no Flue Gas and process gas emission from the process and other ancillary operation.
- 4.2 The Stack of 14 meter height is attached to the AFRF Plant for air replenishment system.
- 4.3 The Applicant shall take all necessary measure to curb the foul odour and shall submit the monthly report of ODC - 50consumption.
- 4.4 There shall be wheel washing facility at the site to avoid dusting while transportation of hazardous waste.
- 4.5 Ambient air quality within the premises of the facility shall conform to the following Standards:-

PARAMETER	Concentration in Ambient Air		Method of Measurement
	Annual	24 hrs. Average	
Particulate matter-10 (PM 10)	60 µg/m ³	100 µg/m ³	Gravimetric, TOEM Beta attenuation
Particulate matter-2.5 (PM 2.5)	40 µg/m ³	60 µg/m ³	Gravimetric, TOEM Beta attenuation
Sulphur Dioxide(SO ₂)	50 µg/m ³	80 µg/m ³	Improved West and Gaeke Ultraviolet fluorescene
Nitrogen Dioxide (NO ₂)	40 µg/m ³	80 µg/m ³	Modified Jacob & Hoecheiser (Na-Arsenite) Chemiluminescence
Benzene	5 µg/m ³	-----	Gas chromatography based continuous analyzer Adsorption and Desorption followed by GC analysis
Benzo (a) pyrene (BaP)- Particulate Phase only	01 ng/m ³	-----	Solvent extraction followed by HPLC/GC analysis
Arsenic(As)	06 ng/m ³	-----	AAS/ICP method after sampling on EPM 2000 or equivalent filter paper
Nickel (Ni)	20 ng/m ³	-----	AAS/ICP method after sampling on EPM 2000 or equivalent filter paper
Lead (Pb)	0.50µg/m ³	1.0 µg/m ³	AAS/ICP method after sampling on EPM 2000 or equivalent filter paper ED-XRF using Teflon filter
Ammonia	100 µg/m ³	400 µg/m ³	Chemiluminescence Indophenol blue method

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Ozone	100 µg/m ³ 8 hours	180 µg/m ³ 1 hour	UV photometric Chemiluminescence Chemical Method
Carbon Monoxide (CO)	02 µg/m ³ 8 hours	04 µg/m ³ 1 hour	Non dispersive Infra Red (NDIR) spectroscopy

5. CONDITIONS UNDER HAZARDOUS WASTE MANAGEMENT RULES:

A. General condition:

1. Number of authorization: AWH - 83687 Date of issue: 16/01/2017
2. M/s. RECYCLING SOLUTION PRIVATE LIMITED is hereby granted an authorization to operate facility for following hazardous waste on the premises situated at Plot No. 223, GIDC Estate, Panoli, Dist. - Ankleshwar - 394116.

Sr. No.	Waste	Quantity	Schedule	Facility
1	Incinerable Hazardous waste(Solid/Liquid/ Semi Solid)	240 MTPA		Reception from member units through dedicated vehicle, storage, and blending within premises.
2	Distillation Residues from contaminated organic solvents	24 MT/Day	37.3	Collection, Storage, Transportation, disposal at CHWIF.
3.	Empty Drums/container /Barrels/Carboy contaminated with Hazardous chemicals/ waste	1080MTA	33.1	Receiving drums from member unit, Collection, Storage, Decontamination within premises and selling to authorized Recycler
4.	ETP Sludge from waste water treatment	60MTA	35.3	Collection, Storage, Transportation, Disposal to TSDF

3. The authorization is granted to operate processing facility to prepare fuel for co-incineration (Co-processing) by reception of Hazardous waste from member units.
4. The authorization shall be force for a period up to Five years valid up to 31/12/2021
5. The applicant shall have to regularly monitor ground water, ambient air quality and shall submit reports to GPCB and CPCB regularly.
6. The applicant shall submit monthly report with details of Hazardous waste received, treatment given, stock lying and disposal of at landfill site.
7. The Authorized person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
8. The Authorization or its renewal shall be produced for inspection at the request of an officer Authorized by the State Pollution Control Board.
9. The person Authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
10. 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.
11. 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,

Outward No: 406/2021-22



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN
Sector 10-A, Gandhinagar 382 010
Phone : (079) 23226295
Fax : (079) 23232156
Website : www.gpcb.gov.in

- leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
12. 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"
 13. It is the duty of the authorized person to take prior permission of the State Pollution Control Board to close down the facility.
 14. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
 15. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
 16. 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 authorisation.
 17. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
 18. An application for the renewal of an authorisation shall be made as laid down under these Rules.
 19. 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.
 20. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.

B. Specific Conditions:

1. In case of renewal of authorisation, 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.
2. The occupier of the facility shall comply Standard operating procedure/ guidelines published by MoEF&CC or CPCB or GPCB from time to time.
3. Unit shall comply provisions of E-Waste Management Rules-2016.
4. The disposal of Hazardous Waste shall be carried out as per the waste Management hierarchy.

6. GENERAL CONDITION:

- 6.1 Adequate plantation shall be carried out all along the periphery of the TSDF premises in such a way that the density of plantation is at least 1000 trees per acre of land and a green belt of 5meters width is developed.
- 6.2 The applicant shall have to submit the returns in prescribed form regarding water consumption and shall have to make payment of water cess to the Board under the Water Cess Act- 1977.
- 6.3 Applicant shall have to comply with Risk Assessment and Disaster management Plan.

Clean Gujarat Green Gujarat
ISO-9001-2008 & ISO-14001 - 2004 Certified Organisation

Outward No: 40697/2020

- 6.4 Applicant shall have to carry out mock drill both on site and off site for all the possible eventualities at a regular interval of time. For any of the disastrous situation escape route shall have to be predefined properly marked and shall be brought to the knowledge of all the concerned.
- 6.5 Applicant shall have to comply with the Environmental Audit Scheme introduced by Hon'ble High Court and shall submit the Environment Audit Report every year in accordance with directions given in the High Court Order dated 16/09/1999 in Environmental Audit Scheme.
- 6.6 The concentration of Noise in ambient air within the premises of industrial unit shall not exceed following levels:
Between 6 A.M. and 10 P.M.: 75 dB (A)
Between 10 P.M. and 6 A.M.: 70 dB (A)
- 6.7 You shall comply with the manufacturing, Storage and Import of Hazardous Chemicals Rules-1989 framed under the Environment (Protection) Act-1986.
- 6.8 The owner/facility operator is fully responsible for compliance of all the directions issued by the Apex Court and High court from time to time.
- 6.9 Full support shall be extended to the officers of MoEF, CPCB, GPCB and all other relevant authorities by the project proponents during their inspection for monitoring purposes by furnishing full details and action plans including the action taken reports in respect of initiative measures and other environmental protection activities.
- 6.10 GPCB reserves the right to stipulate additional condition if found necessary. The company shall implement these conditions in a time bound manner.

FOR AND ON BEHALF OF
GUJARAT POLLUTION CONTROL BOARD


(K.C. MISTRY)

Dy. Chief Environment Scientist
Unit head, Hazardous waste cell

Issued to:

No. GPCB/HAZ-CCA-Ank-1375(5)/ID-13376/
M/s Recycling Solution Pvt Ltd.
Plot no.-223, GIDC Estate, Panoli
Ankleshwar-394116
Dist-Ankleshwar

Date:

Outward No: 406973, 14/03/2017

Agreement of RSPL



ગુજરાત ગુજરાત GUJARAT

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ਅਨੁਸੰਗਤੀ ਕਾਗਜ਼:

Recycling Solutions Pvt. Ltd.
Plot No. 223, G.I.D.C. Estate,
Pangol, Dist. Bharuch.

김교이리:-

રટેમ્પ વેન્ડરની સહી: Rub.V હસ્તે સહી: Datta Mahanta

(जीवाती व्यापक-उद्योग विनियोजक सभा) वा.नं. ८६/८७
 (जे.) १२३, राजकीय क्षेत्रीय, (ले.) ५९/०६, पञ्चपुरी पोखरी,
 बल्लभपुर, ललितपुर जिल्ला, नमो **AGREEMENT** पञ्चपुरी, पञ्चपुरी-१३

$$\begin{array}{r} 707 \\ 2757367 \end{array}$$

THIS AGREEMENT is made on this 15th day of November 2017 between
M/s. Recycling Solutions Private Limited, (hereinafter referred to as "RSPL") a company
incorporated and registered under the provisions of the Companies Act 1956 and having
its registered office at 370, S V P Road, Shop 8, Plot 384, Cigaretwala Bldg., Opp. CBI,
Prathna Samaj, Nr. Harkishandas Hospital, Mumbai - 400004, Maharashtra, India which
expression shall unless repugnant to the context or meaning thereof shall mean and
include its successors, assignees etc. of FIRST PART

and

M/s. Alembic Pharmaceuticals Ltd. (API –Division), Village –Panelav, PO-Tajpura, Tal-
Halol, District- Panchmahal-Gujarat, Company / Partnership Firm / Proprietary Concern /
Society / Association / Co-operative Management duly incorporated under the Provisions
of Company Act and having its registered office at Alembic Road, vadodara- 390001

and

Signed for & on behalf of RSPH

Signed for & on behalf of Generator

Page 1 of 15

factory/works at Panolav

(hereinafter referred to as "The Generator") which expression shall unless repugnant to the context of meaning thereof shall mean and include its successors, assignees etc. of the OTHER PART.

Agreement made for Alembic Group, Unit of Alembic Pharmaceuticals include in this agreement as per Annexure -A

Whereas

- 1) RSPL is inter alia engaged in the business activities of development, operations and maintenance of infrastructure projects for hazardous waste management. The Waste Mix Processing Facility Project has been granted EC & Consent To Establish." The CC&A has been granted to operate the Waste Mix Processing facility (WMPF) located at Plot No. 223, GIDC Estate Panoli, Dist Bharuch, Gujarat (India) (Panoli Unit) by Gujarat Pollution Control Board (GPCB) as per The Environment (Protection) Act, 1986 and Hazardous Waste (Management, Handling and Transboundary) Rules, 2016 and amended thereafter (Herein after referred to as "The Rules").
- 2) The Other Party (also referred to as "the Generator") is inter alia engaged in the business activities relating to Production of API
bulk drugs and is generating
Hazardous Liquid/Semi Solid/Solid
Waste
(Hereinafter referred to as "Hazardous Waste")
- 3) The Generator is desirous of sending its Hazardous Waste at Waste Mix Processing Facility, Panoli and is authorized by GPCB to send hazardous waste at Panoli Unit.
- 4) RSPL has agreed to accept and manage the Hazardous Waste of the Generator at its Panoli Unit and whereas the Generator agrees to send its Hazardous Waste to RSPL on the terms and conditions stated hereunder.

DEFINITIONS & INTERPRETATIONS

- 1.1 "TIME" shall be stated in Hours and shall mean Indian Standard Time.
- 1.2 "DAY" means a period of twelve (12) consecutive hours beginning at 08.00 hours and ending at 20.00 hours.
- 1.3 "WEEK" means a period of seven (7) consecutive days beginning from a day.
- 1.4 "MONTH" means a period beginning at 8.00 hours on the first day of Calendar Month and ending at 20.00 hours on the last day of same Calendar Month.
- 1.5 "YEAR" means a period of three hundred and sixty five (365) consecutive days or three hundred and sixty six (366) consecutive days when such period includes a twenty ninth (29th) day of February beginning at 8.00 hours from a day.
- 1.6 "FINANCIAL YEAR" means a year starts from 1st day of April month of the year and ending on 31st day of March month of next year.
- 1.7 "CONTRACTED QUANTITY" means the quantity of suitable waste streams for which the generator is entering into the agreement.

Signed for & on behalf of RSPL



Signed for & on behalf of Generator



- 1.8 The headings of or title to the Clauses in this AGREEMENT shall not be deemed to be a part thereof or be taken into consideration in the interpretation of construction thereof of the AGREEMENT.
- 1.9 Word imparting the singular only also include the plural and vice versa where the contexts so require.
- 1.10 Reference to an individual shall include his legal representative, successor, legal heir, executor and administrator.
- 1.11 "WMPF": Waste Mix Processing Facility
- 1.12 Abbreviations;
- a.) GPCB means Gujarat Pollution Control Board
 - b.) CPCB means Central Pollution Control Board
 - c.) MoEF means Ministry of Environment and Forests

Now Therefore Those Present Witnesses and it is hereby declared and agreed by and between the Parties hereto as follows:

01. SCOPE OF AGREEMENT

RSPL shall manage the Hazardous Waste of Generator at its Waste Mix Processing Facility, Panoli, Gujarat as specified in the Rules.

02. DATE OF AGREEMENT & PERIOD OF CONTRACT:

Valid until 14-November 2027 & the present agreement shall remain in force for a period of 10 Year

03. EXTENSION OF AGREEMENT

- (a) If the Generator wishes to send its Hazardous waste suitable for co-processing after the expiry of the present agreement, it shall give three months advance notice in writing to RSPL of its desire of extended period of facility and RSPL shall subject to the available capacity, consider the request and may in its absolute discretion, offer terms for fresh agreement, both the parties hereto shall after reaching an agreement on the offered terms shall execute a fresh agreement at least one month before the date of expiry of this agreement.
- (b) The agreement to be terminated with mutual consent in the following eventualities:
 - (i) On Authorization to RSPL being cancelled, refused, or not granted by GPCB.
 - (ii) On expiry of Authorization granted to the Generator and the same having not been renewed by the Generator or of the same having been not granted by GPCB.
 - (iii) On expiry of the present Agreement, where no fresh agreement is signed and Executed between parties hereto as mentioned above.

Signed for & on behalf of RSPL



Signed for & on behalf of Generator



Page 3 of 15

(c) Both the parties hereto further agree, in case of the present agreement coming to an end owing to any of the aforesaid eventualities, it will be the sole responsibility of the Generator to manage its Hazardous Waste in accordance with the relevant provisions of law and that RSPL will not be responsible in any manner whatsoever with respect to Hazardous Waste of the Generator.

(d) Renewal of Registration can be done as per clause 03(a) above after payment of appropriate renewal fees.

04. REGISTRATION FEE & MANAGEMENT CHARGES

4.1 The Generator shall have to make the payment of Rs. NIL _____ plus all applicable taxes towards its registration which will not be refundable in any event.

4.2 The registration under this agreement is transferable in case company is taken over.

4.3 The management charges exclusive of all taxes which is presently in force for the type of hazardous wastes suitable to co-processing agreed for sending to RSPL by Generator is described as follows:

Sr.	Type of wastes	Physical Status	Calorific Value (cal/gm)	Cl	S	Management Charges (Rs. per MT)
1	Spent Carbon	Solid				105000
2	Spent Mother Liquor	Liquid				105000
3	Residue & Waste	Solid/Liquid				105000
4						
5						
6						
7						
8						

(Attach sheets in case of more types of wastes)

4.4 The Generator shall be liable to pay GST apart from the above charges.

4.5 The management charges that the Generator shall pay to RSPL and it shall be subject to annual upwards revision by 5% (after mutual consent).

4.6 RSPL has agreed to test & provide Comprehensive Analysis of Hazardous Waste on identified parameters as required for the facility at a cost (Rs. 5000/- per sample). This payment will be adjusted in the billing.

4.7 The Comprehensive Analysis Report shall determine the acceptance of waste based on the Waste Characteristics & Waste Acceptance Criteria given by the operator of the WMPF.

Signed for & on behalf of RSPL



Signed for & on behalf of Generator

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05. TRANSPORTATION

- 5.1 As agreed herein above, M/s. RSPL as part of its obligation under authorization granted by GPCB or as per Rules to ensure effective handling of hazardous waste shall provide Dumpers/ Tractors / Tankers/ Trucks duly authorized by GPCB to the Generator for transporting its Hazardous Waste to the authorized facility of RSPL at the cost of the Generator.
- 5.2 Transportation cost per MT or per Trip of waste from location of Generator unit to "Recycling Solutions Private Ltd" shall be recovered at the following rates;

Sr.	Description	Rate (Rs.)	Unit
1	Transportation Charge	NA	MT or Trip
2	Loading Charge	NA	MT or Trip
3	Unloading Charge	NA	MT or Trip

The above transportation rates are subject to Annexure - '1' attached with this agreement. The transportation Rate shall be revised based on the 'Annexure - 1' & when changes in the cost of fuel charge.

- 5.3 RSPL shall provide Dumpers / Tractors / Tankers / Trucks for waste lifting if waste to be transported available with Generator are equal to more than one vehicle capacity. In other circumstances RSPL shall provide Dumpers / Tractors / Tankers / Trucks for waste lifting once in month. In either case the Generator shall be charged on the capacity of vehicle being provided for waste lifting.

06. OBLIGATION OF THE GENERATORS

- 6.1 While entering into the present agreement with RSPL, the Generator shall submit all categories of Hazardous Waste they desire to send at WMPF in writing. The said categories of Hazardous Waste shall be as per the parameters specified in the Schedules of the Rules. The Generator shall also give true and correct information related to the quantity, Physical and chemical characteristics, nature, and toxicity of Hazardous Waste Substance.
- 6.2 The Generator shall get the Authorization from GPCB permitting the Generator to send its Hazardous Waste to RSPL and that it shall be the responsibility of the Generator to get the same renewed from time to time.
- 6.3 The Generator has agreed to declare Hazardous Waste Quantities on annual/monthly basis (as per the Rules) and confirm to a set schedule of waste supply to the RSPL.
- 6.4 The Generator shall provide basic information of its process/chemicals used along with MSDS, of its each product and hazardous waste generated there from and its characterization to RSPL or facility operator.

Signed for & on behalf of RSPL



Signed for & on behalf of Generator



- 6.5 GENERATOR has to maintain necessary detailed records and to provide details of Hazardous waste as follows:
- 6.5.1 Provide details of Waste on the storage container as per (Form 12-as per hazardous waste (M, H &T) Rules 2008 and as amended).
- 6.5.2 Provide details about the Hazardous waste and its characteristics like Explosive/ Ignitable/ Corrosive/ Toxic/ Odor compounds in the Transport Manifest Form (Form 13- as per hazardous waste (M,H&T) Rules 2008, and as amended).
- 6.5.3 TREM card (Form 11- as per hazardous waste (M,H&T) Rules 2008 and as amended) to the transporter of hazardous waste.
- 6.6 In the event of false information/declaration or withholding information (related to Clause 6) any time during this agreement being in force or until the existence of the facility, all liabilities during Transportation shall remain vested as the responsibility of the GENERATOR.
- 6.7 The Generator is obliged to intimate 1 week in advance to RSPL to arrange for Dumpers / Tractors /Tankers/ Trucks and on arrival of the same at the Generator's site, the Generator shall be responsible for loading its Hazardous Waste into the said Dumpers / Tractors /Tankers/ Trucks within 5(five) hours or less, as may be notified by RSPL from time to time, from the said arrival. If the detention of the said Dumpers / Tractor /Tankers/ Trucks at the GENERATOR's site exceeds the notified time, there shall be levied detention charges at the rate mentioned in the Annexure - '1'. The term or rates shall be revised by RSPL from time to time and intimated to generator in time as per Annexure - '1'.
- 6.8 The Generator shall give undertaking to RSPL that the Generator shall take all precautions while packing and loading hazardous wastes in order to ensure that there shall be no leakage or spillage occurs. The Generator shall take all practical steps to ensure that such Waste are properly loaded in the fleet without any adverse impacts on health and environment, which may result from such waste. In the event of such adverse impacts having been caused within the factory premises of the Generator, it shall be the sole liability of the Generator.
- 6.9 RSPL shall have the RIGHT TO REJECT the waste and the Generator shall be bound to accept such Hazardous Waste back without any delay and bear all the cost associated with return of hazardous waste rejected by RSPL, if the same is rejected by RSPL due to the any of the following reasons:
- The variation in waste characteristics is beyond 5% of the agreed and are found non suitable for WMPF;
 - The improper packing and loading of wastes resulted in spillage and leakage;
 - The registration has expired with RSPL;
- 6.10 The Generator is obliged to maintain waste characteristics as intimated by the RSPL and/or as specified in the first analysis report (attached as Annexure 1 to this

Signed for & on behalf of RSPL



Signed for & on behalf of Generator



AGREEMENT). The variation beyond 5% will not be accepted by RSPL. RSPL is authorized to send it back or is authorized to charge additional charges of such waste resulted due to the change in waste characteristics.

- 6.11 RSPL may by a Notice served on the GENERATOR require him to provide such additional information as may be specified in the Notice and the GENERATOR shall send the said information to RSPL within the relevant and justified time frame, immediately from the receipt of the said Notice.
- 6.12 The GENERATOR shall comply with the provision of Environment (Protection) Act, 1986 and the Rules as amended from time to time as also with the condition of the present agreement and that any breach committed thereof shall render the GENERATOR not eligible for disposing of such Hazardous Waste in RSPL site.
- 6.13 The GENERATOR shall provide all information related to hazardous waste for Government / Non-Government requirements to RSPL, as and when required.
- 6.14 The GENERATOR shall not claim any right, interest or privilege in or in relation / Connection with Hazardous Waste accepted at the site of RSPL.
- 6.15 In case of any change in constitution of firm or company or proprietary concern, Products or quality and/or production rate of products or waste quantity or characteristics, the GENERATOR shall intimate RSPL by written notification to be given at least 15 days in advance by registered letter prior to proposed date of change.
- 6.16 In case of any accident, spillage or leakage resulting in environmental degradation; while loading, unloading, transportation or treatment; happening due to the poor quality of wastes packaging or change in quality beyond 5% of the first analysis report, the GENERATOR shall be solely liable for the subsequent legal and financial liabilities, if any.

07. BILLING AND PAYMENT OF MANAGEMENT CHARGES/ SECURITY DEPOSIT

- 7.1 The GENERATOR shall be required to make payment within 15 days after receiving invoice towards the Waste Management charges.
- 7.2 The samples will be drawn and will get tested through waste characterization process. The cost for this purpose shall be borne by the respective GENERATOR only.
- 7.3 The GENERATOR covenants that the charges for the disposal of its Hazardous Waste as notified by RSPL shall be subject to revision during the currency of this agreement and as and when the revision is called for; RSPL shall inform the GENERATOR in advance vide a separate letter.
- 7.4 RSPL shall charge the GENERATOR on the basis of weighment to be done at the WMPP site. If the Weigh Bridge at the site is not working, it will be weighed at outside Weight Bridge approved by RSPL.

Signed for & on behalf of RSPL



Signed for & on behalf of Generator



7.5 The GENERATOR shall be bound by the test result / reports of RSPL for Waste Management charges and shall not call the same in question for any reason whatsoever.

08. QUALITY:

8.1 The Generator hereby covenants to see that its Hazardous Waste shall, under all circumstances, Conform to the norms specified by GPCB and as prescribed under the provisions of law the time being in force.

8.2 The following listed Waste may not be accepted by RSPL unless expressly specified by RSPL

- (i) Wastes containing explosive substances
- (ii) Waste which has an obnoxious odor
- (iii) Waste which is flammable (Flash point below 65° C)
- (iv) Waste which contains shock sensitive substances
- (v) Waste which contains volatile substance of significant toxicity
- (vi) Waste which contains cyanide compounds

8.3 RSPL may reject Hazardous Waste in total, if the GENERATOR'S above mentioned Hazardous Waste is found not to be in consonance with the condition mentioned in the present AGREEMENT and the decision of RSPL in rejecting the Hazardous Waste of the GENERATOR for non-compliance of the provisions of the present Agreement will be final and it will not be called in question and the GENERATOR shall have to pay the extra amount which shall be charged by RSPL for expenditure incurred in analyzing, transporting and returning of the rejected such Hazardous waste of the GENERATOR.

09. QUANTITY

Subject to the conditions mentioned under clause in this agreement, the generators agree to send on firm basis to RSPL its own hazardous waste subject to minimum quantity ofMT per month and MT per annum, which will be the called contracted quantity. The minimum monthly contracted quantity can be changed by the generator by intimating RSPL in writing 1 month in advance from the date of schedule dispatch.

10. RSPL RESPONSIBILITY

10.1 RSPL has agreed to manage the hazardous waste of Generator as per the applicable laws, and authorization to be granted by GPCB from time to time.

10.2 RSPL on receipt of information from Generator will plan and schedule for transport within 3 days of intimation from the Generator.

10.3 RSPL shall notify a responsible person to receive, authorize unloading and sign the
Signed for & on behalf of RSPL Signed for & on behalf of Generator

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relevant documents like manifests and establish communication with the Generator and with the relevant agencies statutory or otherwise.

11. DEFAULT

- 11.1 If the Generator fails and/or defaults in the discharge of any of his obligation under the present agreement, the RSPL may delist the Generator.
- 11.2 RSPL reserves its right to accept or refuse Registration. In event of GENERATOR committing any breach / violation of the condition of the present agreement or any provision of Law / Act / Rules for the time being in force, RSPL reserves its right to suspend / cancel the Registration for such period as it deem fit without giving any reason or prior notice.
- 11.3 Where an offence under the Environment Protection Act or under the Rules framed there under, has been committed by the GENERATOR or is attribute to any negligency on the part of the GENERATOR which shall include its Director, Partner, Proprietor, Manager, Secretary, Officer, Partner, etc. and if such GENERATOR is guilty of the offence or is liable to be prosecuted against and punished accordingly. No suit, prosecution or legal proceeding [s] shall lie against RSPL for the offence committed by its GENERATOR.
- 11.4 The suspension / termination shall be revoked only at the sole discretion of RSPL after it is satisfied that the conditions have been met.
- 11.5 If the Generator fails and/or defaults in the discharge of any of his obligation under the present agreement, the RSPL may delist the Generator.

12. TRANSFER OF RIGHTS

RSPL may at any time transfer or assign its rights and obligations under the AGREEMENT to any other company or business concern by giving intimation in writing to the GENERATOR. Upon such transfer or assignment, only the transferee or assignee shall be liable for the obligations herein contained.

13. INDEMNITIES

- 13.1 Generator and RSPL severally shall at all times comply with all the provisions of the relevant Act and Rules from time to time in force and the Guidelines regarding managing of the said Waste and shall, without prejudice to the generality of the foregoing, also comply with all Environmental Protection Laws, Safety Laws and Regulations from time to time in force and the Rules, Regulations and Notifications made or issued there under from time to time. In the event of GENERATOR and (or) RSPL committing any breach of the terms of this clause of the Agreement, GENERATOR and RSPL as the case may be shall indemnify and keep indemnified the Generator RSPL of, from and against all claims, payments, costs and actions of whatsoever nature brought against or sustained or incurred by the Generator / RSPL as the case may be and whether paid for or not arising from or as a result of such breach committed by GENERATOR/ RSPL of the facility in that behalf.

Signed for & on behalf of RSPL

Signed for & on behalf of Generator



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- 13.2 GENERATOR shall indemnify and keep indemnified RSPL at all times from and against all actions, suits, proceedings, claims, third party claims, costs, payments and expenses of whatsoever nature made or suffered or incurred by operator of the facility, whether by reason of or by virtue of non-performance or non-observance or non-compliance by GENERATOR of any terms and conditions of this Agreement or of the Act, the Rules and the Guidelines.
- 13.3 RSPL shall at all times comply with all the provisions of the Act and Rules from time to time in force and the Guidelines regarding handling of Waste involving the collection, storage, transportation and delivery thereof, and shall, without prejudice to the generality of the foregoing, also comply with all Environmental Protection Laws, Safety Laws and Regulations from time to time in force and the Rules, Regulations and Notifications made or issued there under from time to time. In the event of RSPL committing any breach of the terms of this clause of the Agreement, RSPL shall indemnify and keep indemnified GENERATOR of from and against all claims, payments, costs and actions of whatsoever nature brought against or sustained or incurred by GENERATOR and whether paid for or not arising from or as a result of such breach committed by the operator of the facility in that behalf.

14. FORCE MAJEURE

- 14.1 In case of any force majeure, RSPL shall not be saddled with any liability contingent or otherwise but in that case, it shall be the sole liability of the GENERATOR.
- 14.2 Both the parties hereto agree that due to change in any laws related to pollution or due to any directive of any Court or Authority, if RSPL is to incur any additional financial burden consequent upon any alteration and / or modification in the site or because of any other reason, then, in that case the GENERATOR shall be liable to contribute for the same proportion to its disposal of Hazardous Waste quantity in RSPL, Waste Mix Processing Facility.
- 14.3 In case of any environment risk arising during the performance of this Agreement at the storage site of RSPL either due to force majeure or due to circumstances beyond the control of the parties hereto, the GENERATOR hereby covenants that any liabilities and/or responsibilities which may consequently arise shall be undertaken generally by RSPL.
- 14.4 Both the parties hereto agree that in any event of there being order in form of any Injunction, stay, or otherwise from any Court, GPCB, or any other Authority stopping the functioning of the Site or otherwise whereby RSPL becomes unable to accept Hazardous Waste of the GENERATOR, RSPL shall not be responsible or made responsible and / or be liable in any manner in that regard and that in such an eventuality, it shall be the responsibility of the GENERATOR to get the needful done in respect of disposal of its Hazardous Waste.
- 14.5 The term FORCE MAJEURE in the CONTRACT means act of God, war, revolt, riot, fire, tempest, flood, earthquake, lightening, direct or indirect consequences of war (declared / undeclared), sabotage, hostilities, national emergencies, civil disturbance, commotion,

Signed for & on behalf of RSPL



Signed for & on behalf of Generator

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embargo or any law or promulgation, regulation or ordinance whether Central or State or Municipal, breakage, bursting or freezing or stoppage and / or reduction in quantum of Hazardous Waste to be disposed of at the site. Upon occurrence of such cause and on its termination, the parties rendered unable as aforesaid shall notify the other party in writing within twenty four (24) hours of the beginning and the ending, giving full particulars and satisfactory evidence thereof. Any action of labor employed by the GENERATOR shall not be considered as FORCE MAJEURE.

- 14.6 Notwithstanding anything else contained herein, neither PARTY hereto shall be liable for damages or to have this AGREEMENT terminated for any delay or default in the performance of such PARTY hereunder if such delay or default in performance derives from conditions beyond the reasonable control of such PARTY, including but not limited to, acts of God, strikes, fires, floods, extreme drought, shortage of supply, riots, work stoppages, embargoes, governmental actions or damage to the plant or facility or any cause unavoidable or beyond the control of either party including any arbitrary ruling by the Government prohibiting the handling of the Waste or continuing domestic or international problems such as wars or insurrections.
- 14.7 This Agreement shall be deemed to represent the entire Agreement between the parties hereto regarding the subject matter hereof and shall supersede, cancel and replace any and all prior agreements or arrangements, if any, in this behalf, by and between the parties hereto.
- 14.8 Nothing contained herein shall be deemed to constitute a partnership, joint venture or agency by and between the parties hereto.
- 14.9 This Agreement may be modified or amended only by writing, duly executed by or on behalf of the parties hereto.
- 14.10 Any terms and conditions of this Agreement may be waived at any time by the party that is entitled to the benefit thereof. Such waiver must be in writing and must be executed by an authorized officer of such party. A waiver on one occasion will not be deemed to be a waiver of the same or any other breach or non-fulfillment on a future occasion.
- 14.11 In the event that any provisions of this Agreement is held to be illegal, invalid or Unenforceable under any present or future law such provisions shall be deemed Terminable and the remaining parts & provisions of this Agreement shall remain in full force & effect.

15 PREVIOUS CORRESPONDANCE

- 15.1 Save and except all discussions and meeting held and correspondence exchanged between RSPL and the GENERATOR in respect of the AGREEMENT and any decisions arrived at therein in the past and before the coming into force of the present AGREEMENT and no reference of such discussions or the GENERATOR for interpreting the present AGREEMENT or otherwise. Whereas solid waste data sheet and application form, will be treated to be the part of this agreement.

Signed for & on behalf of RSPL



Signed for & on behalf of Generator

Page 11 of 15



16. ARBITRATION

16.1 In case of any dispute or difference of opinion arising out of the present agreement the matter shall be referred to an Arbitrator mutually agreed upon by the GENERATOR and the RSPL, whose decision on the issue shall be final and binding on both the parties.

- a) The place of Arbitration will be Panoli.
- b) The cost of Arbitration will be borne by the respective party.

17. LAWS GOVERNING THE AGREEMENT

17.1 The present agreement shall be subject to Indian Laws, rules and regulation and notifications etc. issued under such laws.

18. AMENDMENTS

18.1 RSPL may at any point of time make suitable change in the present Agreement after serving a notice to the said GENERATOR.

19. TERMINATION OF AGREEMENT

19.1 This AGREEMENT can be terminated by either party after giving prior written Notice of at least 120 days to the other party.

19.2 RSPL has the unrestricted right to terminate this AGREEMENT and deduct its all pending claims the deposit of the GENERATOR,

20. JURISDICTION

20.1 Subject to the provision of Clause - 15 of the present agreement, M/s. RSPL and the GENERATOR mutually agree that the Civil Court at PANOLI only shall have jurisdiction for all the disputes / differences arising out of this agreement.

20.2 The addresses of the parties hereto unless changed by written notification to be given at least 15 days in advance by registered letter prior to proposed date of change, shall be as follows:

- a) **M/s Recycling Solutions Pvt. Ltd**
Reg. Office: 370, S V P Road, Shop 8, Plot 384, Cigaretwala Bldg., Opp. CBI, Prathna
Somaj, Nr. Harkishandas Hospital, Mumbai - 400004, Maharashtra
Site: Plot No. 223, GIDC Estate Panoli, Panoli-394116, Dist: Bharuch, Gujarat.

- b) **GENERATOR: Alembic Pharmaceuticals Ltd.** _____

Address: _____

Signed for & on behalf of RSPL



Signed for & on behalf of Generator

Page 12 of 15



IN WITNESS WHEREOF the parties hereto acting through their properly constituted representatives have set their hands to cause this AGREEMENT signed and executed in their respective names and on their behalf.

For and on behalf of
M/s. Recycling Solutions Pvt. Ltd



(Sign & Stamped by Authority)

Witness:

1. 

Name : Rahul Sharma
Designation : Area Manager
Address : RSPC Baroda

2. 

Name : Chitash Komavane
Designation : Executive
Address : RSPC Baroda

For and on behalf of GENERATOR




(Sign & Stamped by Authority)

Witness:

1. 

Name : Keshav Pradip
Designation : Asst. Manager - Gen
Address : API-1, ETP, pondal

2. 

Name : Shreshth Maheshwari
Designation : Asst. Manager
Address : API-1, ETP, pondal


Signed for & on behalf of RSPL



Signed for & on behalf of Generator

Page 13 of 15




Annexure -1

The Current Diesel Price is Rs. NA /- Per Liter.

The Service Tax or any other taxes if applicable shall be extra.

The Toll Tax, Packing Material shall be extra.

The Transportation, Loading and unloading costs are subject to revision on Monthly basis due to escalations in fuel price and other costs. The transportation rates shall be revised based on the formula below as & when changes in the cost of fuel and other charge.

The effect of increase in diesel price shall be given in Prevailing Transportation Rate on monthly basis when price increase by Rs. 1.00 Per Liter or more otherwise on quarterly basis.

A. Increase in Transportation Rate due to increase in Diesel Price =

Prevailing Transportation Rate X 70% (Considering Fuel Component) X % Increase in Diesel Price

Revised Transportation Rate =

Prevailing Transportation Rate + Increase in Transportation Rate due to increase in Diesel Price

Further also the Transportation Rates are subject to annual increase towards other than fuel cost @ 5.00% considering 30% of prevailing Transportation Rate and formula shall be as under;

B. Increase in Transportation Rate on annual basis =

Prevailing Transportation Rate X 30% (Considering other cost Component) X 5.00%

Revised Transportation Rate =

Prevailing Transportation Rate + Increase in Transportation Rate on annual basis

The maximum loading time and detention charges beyond the free loading time for different capacity vehicles are as given below:

SN	Vehicle Capacity	Free Loading Time	Detention Charges/ hr
(i)	6 to 9 tonnes	5 hrs	Rs. 500/- Per Hour
(ii)	10 to 20 tonnes	5 hrs	Rs. 500/- Per Hour

Signed for & on behalf of RSPL



Signed for & on behalf of Generator

Page 14 of 15



Annexure- A

Following Units covered in this agreement and waste co-processing/lifting activity will be conducted:-

1. Alembic Pharmaceuticals Ltd. (API –Division), Village –Panelav, PO-Tajpura ,Tah-Halol,District- Panchmahal-Gujarat
2. Alembic Pharmaceuticals Ltd. (API –Division), Village –Panelav, PO-Tajpura ,Tah-Halol,District- Panchmahal-Gujarat *Unit-I*
3. . Alembic Pharmaceuticals Ltd. Karakhadi plant, Village- karakhadi, Gujarat
4. *Alembic Pharmaceuticals Ltd. (Formulation Div-I) Panelav*
5. *Panelav - Halol*

Signed for & on behalf of RSPL




Signed for & on behalf of Generator




Page 15 of 15



(Signature)

Agreement of Shree Cement Ltd.

 INDIA NON JUDICIAL Government of Gujarat Certificate of Stamp Duty	
Certificate No.	IN-GJ858479133933785
Certificate Issued Date	28-Dec-2020 11:37 AM
Account Reference	IMPACC (FI)/ gjelimp10/ ANKLESHWAR1/ GJ-BH
Unique Doc. Reference	SUBIN-GJGJELIMP1008761746606856S
Purchased by	ALEMBIC PHARMACEUTICAL LTD
Description of Document	Article 5(h) Agreement (not otherwise provided for)
Description	AGREEMENT
Consideration Price (Rs.)	0 (Zero)
First Party	ALEMBIC PHARMACEUTICAL LTD
Second Party	PEREGRINE
Stamp Duty Paid By	ALEMBIC PHARMACEUTICAL LTD
Stamp Duty Amount(Rs.)	300 (Three Hundred only)

0004130135

Statutory Alert:

- The authenticity of this Stamp Certificate should be verified at www.e-stampstamp.com or using e-Stamp Mobile App of Stock Holding Corporation of India Ltd. Any discrepancy at the time of verification will render the certificate and its contents available on the website of Mobile App renders it invalid.
- The date of attaching the Stamp Certificate to the documents of the certificate.
- In case of any discrepancy please contact the Competent Authority.

AGREEMENT FOR SAFELY DISPOSAL OF Hazardous Wastes

BY AND BETWEEN

This agreement is made at Beawar on ~~41st day June 2020~~ 28th Dec, 2020

Alembic Pharmaceutical Ltd., a Company incorporated under the provisions of the Companies Act, 1956 having its Registered Office at Alembic Road, Vadodara, 390003, Gujarat, India and facilities at-

1. Alembic Pharmaceutical Ltd, API Division -I, Panelav Ta:- Halol, Di :- Panchmahal
2. Alembic Pharmaceutical Ltd, API Division -II, Panelav, Ta:- Halol, Di :- Panchmahal
3. Alembic Pharmaceutical Ltd, Formulation Division -I, Panelav Ta:- Halol, Di :- Panchmahal
4. Alembic Pharmaceutical Ltd, Formulation Division -II, Panelav Ta:- Halol, Di :- Panchmahal
5. Alembic Pharmaceutical Ltd, API Division -III, Karakhadi, Ta:- Padra, Vadodara
6. Alembic Pharmaceutical Ltd, Formulation Division -III, Karakhadi, Ta:- Padra, Vadodara
7. Alembic Pharmaceutical Ltd, Formulation Division -IV, Jarod, Ta:- Waghodia, Vadodara

Hereinafter referred to as the "**First Party - Waste Generator**", which expression shall, unless repugnant to the context or meaning hereof, mean and include its



representatives successors in interest, executors, administrators, liquidators and permitted assigns) through its duly authorized signatory of the first part.

And

M/s. Peregrine Having its Registered Office at Peregrine House Plot no : A1/110 ,Diamond Estate NH-8 At Po :- Motali , Ankleshwar ,Di :- Bharuch 393002 Gujarat, India Hereinafter referred to as the "**Second Party-Transporter**". Which expression shall, unless repugnant to the context or meaning hereof, mean and include its representatives' successors in interest, executors, administrators, liquidators and permitted assigns) through its duly authorized signatory of the second part.

And

M/s Shree Cement Limited having its registered address at Bangur Nagar, Beawar, Distt Ajmer (Raj) 305901 and facilities at-

1. Ras plant- Address- Village Ras, Tehsil Jaitaran, Distt Pali (Raj)
2. Beawar plant-Address- Village Andheri Deori, Beawar, Distt Ajmer, Raj
3. Raipur Plant- Address- Village Khapradih, The Shimga, Distt Baloda Bajar-Bhatapara, Chhattisgarh
4. Kodla plant- Address- No 249,278,279280,281,288-305,332-335-341,356-360 Industrial Area: Benkanhalli and Kodla, Taluk Sedam, District: Gulbarga, Karnataka

herein after called "**SCL**") and represented by its Authorized Signatory, of the **Third PART** (which expression include their successors and assigns, unless such inclusion is inconsistent with the context or meaning thereof)

"Third Party-Facilitator/Actual User". Which expression shall, unless repugnant to the context or meaning hereof, mean and include its representative successors in interest, executors, administrators, liquidators and permitted assigns) through its duly authorized signatory of the third part.

The above-mentioned parties to this agreement shall also be collectively referred to as "parties" and individually as "Party".

AND WHEREAS the third party has represented that they are authorized, registered and licensed under Rajasthan State Pollution Control Board and have a cost-effective process of **coprocessing of Hazardous wastes** to safely dispose the Hazardous wastes generated by the industry as per their authorization and permission given to third party.

Relying on various representations of second and third party, First party has accepted request of second and third party on the terms and conditions set out in this agreement.



AND WHEREAS it is deemed expedient to record the terms and conditions between the parties in this agreement.

NOW THIS AGREEMENT WITNESSETH AND IT IS HEREBY AGREED, DECLARED CONVENANTED AND RECORDED BY AND BETWEEN THE PARTIES HETERO AS FOLLOWS.

1. Mutual Understanding:

1.1 The Alembic Pharmaceutical Ltd, Second and third party hereby agree and accept to work/act at all times in good faith and in mutual beneficial interest of the other two parties.

1.2 That the first party has agreed to engage second party on terms and conditions contained hereinafter as consultant acting as a guide & helping to follow process for safely disposal of waste from first party.

1.3 That the first party has agreed to engage third party on terms and conditions contained hereinafter for co-processing of Hazardous wastes from the first party.

1.4 That second party & third party shall use its best skill and shall provide services timely and satisfactory as per Guideline & required compliances.

1.5 That the second Party shall provide the service as per applicable rules & direct to first party for safe handling and transportation of the waste to third party for final disposal called co-processing.

1.6 That the parties undertake to fulfill all the formalities as per HOWMTBM Rules 2016.

1.7 The Alembic Pharmaceutical Ltd, second party and third party undertakes to limit their environmental impact by controlling disturbances and pollution related to their activities, by making reasonable use of natural resources and by developing responsible waste management.

2. THAT THE SCOPE OF WORK WILL BE AS UNDER:

- 2.1. That Hazardous waste will be handed over to transporter under supervision of representative of first party.
- 2.2. That the representative of the first party shall observe the loading of the vehicle when hazardous waste is taken out from the plant.
- 2.3. That the clearance of the paper such as gate pass manifest will be provided by first party.
- 2.4. That second and third party shall ensure that, the disposal site waste will be stored as per categorization and adequately segregated. All precautions shall





be taken by the second and third party to avoid spillage of any kind and leaching to the soil. The third party shall ensure that the people handling hazardous waste have adequate training, knowledge and expertise of waste being handled and its satisfactory disposal.

- 2.5. The second party shall ensure that the loaded vehicle dispatch from the first party with all papers like manifest, challan, and gate pass and others applicable.

3. THAT ALL THREE PARTIES UNDERTAKES AS UNDER

- 3.1. That the third party represents that, they have the necessary skill, specialization to handle hazardous waste as per applicable rules: Hazardous and other waste management (Management and Transboundary Movement) Rules 2016 and/or under any other prevailing rules, laws etc.
- 3.2. That the second party will ensure that the waste will be loaded and copy of manifest (form No.10), Copy of **TREM** Cord (form No-9) to be given for transportation of waste.
- 3.3. That the parties shall produce consent & approvals from respective state pollution control board and shall also ensure that the said consent and approvals are valid from time to time.
- 3.4. That the first party will prepare the 7 copy of manifest as per form No.10 and provide to respective concern authority as per rules & distribution of manifest systems.
- 3.5. That the second party will ensure to safe handling of waste when transported by truck/tanker.
- 3.6. Second party provide technical assistance to first party and third party whenever there any changes in rules and regulation.

4. THAT THE PAYMENTS & TERMS WILL BE AS UNDER

That all commercial terms are excluded from the scope of this agreement will be executed into different agreement of through POWO.

All payments will be subject to deductions necessary under Income Tax Act as applicable from time to time and any other statutory deduction that may apply

5. THAT THE DURATION OF AGREEMENT WILL BE AS UNDER

This agreement shall be initially valid for the period of 1 years starting from 11th June 2020. After completion of one year the parties will review the terms and conditions of this agreement and may decide to continue with same terms and conditions or not.

6. Indemnity

Without prejudice to the rights of first party, the second and third party hereby agrees and undertakes to indemnify and hold harmless the first party against any and all



costs including without limitation legal costs, claims, demands or other liabilities made against first party arising from or in connection with breach of the second and third party's representations, warranties and/ or obligations under this Agreement or against any adverse claims being made against first party.

7. CONFIDENTIAL INFORMATION

- 7.1. Each of the parties understands and acknowledges that, whether in the course of performance of this Agreement or otherwise, it shall receive or become aware of Confidential Information of the other party shall be deemed to be as confidential information under this agreement.
- 7.2. Each of the parties undertakes to maintain and procure the maintenance of the confidentiality of the other party's Confidential Information at all times and to keep and procure the keeping of all Confidential Information belonging to the other party secure and protected against theft, damage, loss or unauthorized access, and not at any time, whether during the terms of this Agreement or at any time thereafter, without the prior written consent of the other party, directly or indirectly to use or authorize or permit the use of any of the sole purpose of the performance of its rights and obligations hereunder, or to disclose, exploit, copy or modify any of the other party's Confidential Information, or authorize or permit any third party to do the same.
- 7.3. Each party shall indemnify the other from and against any and all loss or damage incurred by the other as a result of any breach by the indemnifying party or its employees, officers, agents or contractors, of any of its or their obligations under this clause.
- 7.4. The obligations imposed by this Clause shall survive the expiry or termination of this Agreement.

8. Warranties

The second and third party hereby collectively warrants:

- i. It has the full right and authority to enter into this Agreement and receive any order;



performance of this Agreement does not and will not cause them to be in breach of any contractual obligation and in carrying out their obligations under this Agreement, they shall not infringe rights (including but not limited to Intellectual Property Rights) of any third party;

- iii. the hazardous and non hazardous waste shall be duly disposed till satisfaction as per the standards and specification mentioned by the concerned authority;
- iv. to comply with all applicable laws, statutes and regulations;
- v. to conform in all respects with this Agreement;
- vi. it has taken or will take all action as may be required or necessary to obtain and maintain, comply and keep current any governmental licenses, permits, approvals, consent and/or registrations that are necessary for second and third party and/or second and third party Affiliates for disposal of hazardous or non hazardous waste and to carry out and perform its obligations under this Agreement.
- vii. The second and third party hereby warrants that it shall perform the work i.e. disposal of hazardous and non hazardous waste in a good, professional and workmanlike manner, and shall promptly notify the first party of any delay or defect in providing effective disposal of hazardous and non hazardous waste.
- viii. The second and third party warrants that the disposal of waste shall be in compliance with all governmental and environmental regulations.
- ix. In no event the hazardous or non hazardous waste provided by the first party shall not be used for benefiting any other third party in any manner.

9. Termination

- 9.1. Either Party may terminate this Agreement by providing 30 days prior notice in writing to the other Party of its intention to terminate the Agreement.
- 9.2. All of three parties shall be entitled to terminate this Agreement with immediate effect by giving a notice in writing upon the occurrence of the following events:
 - (a) insolvency of the other party (ies).
 - (b) any change in the ownership of the other party/ parties.



- (c) if the appointment or continuance of **the other party/parties** under this Agreement is likely to result in loss of goodwill or reputation of the **concern first party/ Second party/ Third Party** or any of its directors/officers.
- (d) Failure to conform to, or breach by the **the other party/parties** of any obligations, responsibilities, terms and conditions and applicable law.
- (e) False or misrepresentations by the **the other party/parties**;

Alembic Pharmaceutical Ltd. Shall be entitled to terminate this Agreement with immediate effect by giving a notice in writing upon the occurrence of the following events:

- (f) Delay in dully disposal of hazardous waste.
- (g) Any defect and/or deficiency in providing disposal of hazardous and non-hazardous waste.
- (h) Any disciplinary or coercive action taken against first party by the concerned pollution control board or any other competent authority due to non satisfactory disposal of hazardous and non-hazardous waste.

9.3. Each Party shall abide by and uphold all rights and obligations accrued or existing as on the terminating date.

9.4. The right to terminate this Agreement shall be without prejudice to the rights and remedies the Parties may have against each other.

10. Joint venture.

Nothing in this AGREEMENT will make, or be construed to make, the parties hereto partners or joint ventures. Nothing in this AGREEMENT shall render, or be construed to render, any of the parties liable to any third party for debts or obligations of the other parties hereto.

11. Relationship

All workers/employees engaged in providing Services under this Agreement by the second and/or third party shall be under the direct control and supervision of the second and/or third party and they shall not, at any point of time be deemed to be employees of the first party.



12. **Effect of Termination.**

Upon the termination of this Agreement, the rights and licenses granted to second and/or third party by Alembic Pharmaceutical Ltd. Pursuant to this Agreement, including without limitation the right to use the Intellectual Property, shall automatically terminate.

13. **Amendments.**

It is agreed between the parties that terms and conditions of this agreement can be amended by executing separate Addendum to this agreement in writing.

14. **No Waiver.**

No party shall be deemed to have waived any provision of this Agreement or the exercise of any rights held under this Agreement unless such waiver is made expressly and in writing. Waiver by any party of a breach or violation of any provision of this Agreement shall not constitute a waiver of any other subsequent breach or violation.

15. **Severability.**

If any provision of this Agreement is held to be invalid, illegal or unenforceable in whole or in part, the remaining provisions shall not be affected and shall continue to be valid, legal and enforceable as though the invalid, illegal or unenforceable part had not been included in this Agreement.

16. **Counterparts.**

This Agreement may be executed in one or more counterparts, each of which shall be deemed an original and all of which together, shall constitute one and the same document.

17. **Headings.**



The section headings herein are for reference purposes only and shall not otherwise affect the meaning, construction or interpretation of any provision of this Agreement.

18 Entire Agreement.

This Agreement contains the entire agreement between the parties hereto with respect to the subject matter hereof, and supersedes all prior negotiations, understandings and agreements.

19. Governing Law and Jurisdiction

19.1 This Agreement shall be governed with and construed in accordance under laws of India. The courts of Vadodara shall have exclusive jurisdiction to entertain any dispute or differences arising between the parties to this agreement.

19.2 In case of any dispute, the first party and the second party will meet for negotiations at a mutually agreed time and place. The Parties shall endeavor to settle the dispute through discussion between themselves. It is agreed between the Parties hereto that if the dispute is not resolved within 30 calendar days from the commencement of such discussions, the Parties shall refer the same for Arbitration to a sole arbitrator appointed in accordance with Arbitration and Conciliation Act, 1996.

19.3 Any dispute between the Parties arising out of or related to this that is not resolved shall be settled through arbitration conducted in accordance with the Arbitration and Conciliation Act, 1996 and amended from time to time. The arbitration proceedings shall be conducted in English and a record of the proceedings shall be maintained in English. All cost and expenses arising from this such arbitration shall be borne by the parties to such arbitration proceeding equally.



IN WITNESS WHEREOF THE PARTIES HERETO HAVE SIGNED AND
SUBSCRIBED THEIR RESPECTIVE HANDS ON THE DAY AND THE YEAR FIRST
HEREINABOVE WRITTEN

M/S. Alembic
Pharmaceutical Ltd.
(FIRST Party)

M/s Peregrine
Second Party)

(

M/s Shree Cement Limited
(Third Party)



Authorized Signatory

Handwritten signature

Authorized Signatory



Authorized Signatory

Mr. R. S. Joshi

Handwritten signature

Mr. B. K. Debetra

Handwritten signature



Mr. Prasad Pathak
owner.

Mr. Rajiv Gaurani
DGM, AFR

Consent of Shree Cement Ltd.



RAJASTHAN STATE POLLUTION CONTROL BOARD
 4, Institutional Area, Jhalana Doongari, Jaipur-302 004
 Phone: 0141-5159600,5159695 Fax: 0141-5159697



Registered

File No: F(HSW)/Ajmer(Masuda)/2(1)/2015-2016/5180-5182

Date:- 20/02/2020

Unit Id : 548

M/s Shree Cement Limited

Bangur Nagar,P.B.No.33 , Beawar Tehsil:Beawar
 District:AJMER

Sub:- Authorization for operating a facility for Collection, Co-Processing, Incineration, Pre-Processing, Reception, Storage, Transport of Hazardous Wastes Under Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016.

Ref:- Your application dated : 26/09/2019 received on 24/10/2019 and subsequent corresponde

Sir

- 1 Number of authorization RPCB/HWM/2019-2020/HSW/HSW/258.
- 2 Application Number : 251887 dated : 26/09/2019 .
- 3 SR.General Manager of M/s Shree Cement Limited is hereby granted an authorization based on the enclosed signed inspection report for Collection, Co-Processing, Incineration, Pre-Processing, Reception, Storage, Transport of Hazardous waste on the premises situated at Tehsil: Masuda District: Ajmer.

Details of Authorization

SNo	Type of Hazardous waste	Category		Quantity/ Unit	Hazardous Waste Disposal Practice
		Sch	Code		
1	Furnace/Reactor residue and debris*	1	1.1	1000.00 TON/MONTH	Co Processing in Cement kiln
2	Tarry residues (TDI Tar)	1	1.2	1000.00 TON/MONTH	Co Processing in Cement kiln
3	Oil sludge emulsion	1	1.3	1000.00 TON/MONTH	Co Processing in Cement kiln
4	Organic residues	1	1.4	1000.00 TON/MONTH	Co Processing in Cement kiln
5	Residues from alkali wash of fuels	1	1.5	1000.00 TON/MONTH	Co Processing in Cement kiln

Signature Invalid
 Date Invalid
 Digit Invalid
 Digit Invalid



RAJASTHAN STATE POLLUTION CONTROL BOARD
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 Phone: 0141-5159600,5159695 Fax: 0141-5159697

Registered

File No: F(HSW)/Ajmer(Masuda)/2(1)/2015-2016/5180-5182

Date:- 20/02/2020

Unit Id : 548

6	Spent catalyst and molecular sieves	1	1.6	1000.00 TON/MONTH	Co Processing in Cement kiln
7	Oil from waste water treatment	1	1.7	1000.00 TON/MONTH	Co Processing in Cement kiln
8	Plating metal sludge	1	12.8	1000.00 TON/MONTH	Co Processing in Cement kiln
9	Sludge from acid recovery unit	1	13.2	1000.00 TON/MONTH	Co Processing in Cement kiln
10	Spent catalyst*	1	18.1	1000.00 TON/MONTH	Coincineration In Cement Kiln
11	Carbon residue	1	18.2	1000.00 TON/MONTH	Coincineration In Cement Kiln
12	C o n t a m i n a t e d aromatic, aliphatic or napthenic solvents may or may not be fit for reuse	1	20.1	1000.00 TON/MONTH	Co Processing in Cement kiln
13	Spent solvent	1	20.2	5000.00 TON/MONTH	Co Processing in Cement kiln
14	Distillation residues	1	20.3	5000.00 TON/MONTH	Co Processing in Cement kiln
15	Process sludge	1	20.4	5000.00 TON/MONTH	Co Processing in Cement kiln
16	Spent Solvent	1	21.2	5000.00 TON/MONTH	Co Processing in Cement kiln
17	Spent catalysts	1	22.1	1000.00 TON/MONTH	Co Processing in Cement kiln
18	Residues of plasticisers	1	22.2	1000.00 TON/MONTH	Co Processing in Cement kiln
19	Wastes/residues (not made with vegetable or animal materials*)	1	23.1	5000.00 TON/MONTH	Co Processing in Cement kiln





RAJASTHAN STATE POLLUTION CONTROL BOARD
4, Institutional Area, Jhalana Doongari, Jaipur-302 004
 Phone: 0141-5159600,5159695 Fax: 0141-5159697

Registered

File No: F(HSW)/Ajmer(Masuda)/2(1)/2015-2016/5180-5182

Date:- 20/02/2020

Unit Id : 548

20	Spent Solvents	1	23.2	5000.00 TON/MONTH	Co Processing In Cement kiln
21	Dust from air filtration system	1	26.2	150.00 TON/MONTH	Co Processing In Cement kiln
22	Spent solvent	1	26.4	1000.00 TON/MONTH	Co Processing In Cement kiln
23	Spent catalyst	1	26.5	1000.00 TON/MONTH	Coincineration In Cement Kiln
24	Process Residues and wastes*	1	28.1	5000.00 TON/MONTH	Co Processing In Cement kiln
25	Spent catalyst/spent carbon	1	28.2	1000.00 TON/MONTH	Co Processing In Cement kiln
26	Spent carbon (Pharma Industries)	1	28.3	1000.00 TON/MONTH	Co Processing In Cement kiln
27	Date-expired, discarded and off - specification drugs/medicines	1	28.4	1000.00 TON/MONTH	Co Processing In Cement kiln
28	Date expired, discarded and off - specification drugs/medicines	1	28.5	1000.00 TON/MONTH	Coincineration In Cement Kiln
29	Spent solvents	1	28.6	5000.00 TON/MONTH	Co Processing In Cement kiln
30	Process Waste Residue (Pesticide Industries)	1	29.1	1000.00 TON/MONTH	Coincineration In Cement Kiln
31	Sludge Contaning Residual Pesticides	1	29.2	1000.00 TON/MONTH	Coincineration In Cement Kiln
32	Spent solvents	1	29.4	1000.00 TON/MONTH	Coincineration In Cement Kiln
33	Spent catalysts	1	29.5	1000.00 TON/MONTH	Coincineration In Cement Kiln
34	Cargo residue, washing water and sludge containing oil	1	3.1	1000.00 TON/MONTH	Co Processing In Cement kiln



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File No: F(HSW)/Ajmer(Masuda)/2(1)/2015-2016/5180-5182

Date:- 20/02/2020

Unit Id : 548

35	Chemical-containing cargo residue and sludge	1	3.2	1000.00 TON/MONTH	Co Processing in Cement kiln
36	Sludge and filters contaminated with oil	1	3.3	1000.00 TON/MONTH	Co Processing in Cement kiln
37	Ballast water containing oil from ships	1	3.4	1000.00 TON/MONTH	Co Processing in Cement kiln
38	Empty barrels/containers contaminated with hazardous chemicals/wastes	1	33.1	500.00 NO'S/MONTH	Co processing in cement kiln/ sale to registered recycler
39	Contaminated cotton rags or other cleaning materials	1	33.2	2000.00 TON/MONTH	Co Processing in Cement kiln
40	Flue gas cleaning residue	1	35.1	1000.00 TON/MONTH	Co Processing in Cement kiln
41	Spent ion exchange resin containing Toxic metals	1	35.2	1000.00 TON/MONTH	Co Processing in Cement kiln
42	Oil and grease skimming	1	35.4	1000.00 TON/MONTH	Co Processing in Cement kiln
43	Used filter	1	36.1	5000.00 TON/MONTH	Co Processing in Cement kiln
44	Spent carbon or filter medium	1	36.2	500.00 TON/MONTH	Co processing in cement kiln/ sale to registered recycler
45	Oil emulsion sludge	1	4.1	1000.00 TON/MONTH	Coincineration In Cement Kiln
46	Spent catalyst	1	4.2	1000.00 TON/MONTH	Coincineration In Cement Kiln
47	Slop oil	1	4.3	1000.00 TON/MONTH	Co Processing in Cement kiln
48	Waste cutting oils	1	5.3	1000.00 TON/MONTH	Coincineration In Cement Kiln
49	ETP Bio solid from soft drink industry	III	OW	1000.00 TON/MONTH	Coincineration In Cement Kiln



RAJASTHAN STATE POLLUTION CONTROL BOARD
4, Institutional Area, Jhalana Doongari, Jaipur-302 004
 Phone: 0141-5159600,5159695 Fax: 0141-5159697

Registered

File No: F(HSW)/A/mer(Masuda)/2(1)/2015-2016/5180-5182

Date:- 20/02/2020

Unit Id : 548

50	FMCg	III	OW	1000.00 TON/MONTH	Coincineration In Cement Kiln
51	Spent Carbon from soft drink Industries	III	OW	1000.00 TON/MONTH	Coincineration In Cement Kiln
52	WTP sludge from soft drink industry	III	OW	1000.00 TON/MONTH	Coincineration In Cement Kiln

4 The authorization shall be in force for period from 20/02/2020 to 31/01/2025 .





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Registered

File No: F(HSW)/Ajmer(Masuda)/2(1)/2015-2016/5180-5182

Date:- 20/02/2020

Unit Id : 548

The authorization is subject to the following general and specific conditions :

A. General conditions of Authorization

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation 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;
6. The person authorised 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"
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
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.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed





RAJASTHAN STATE POLLUTION CONTROL BOARD
 4, Institutional Area, Jhalana Doongari, Jaipur-302 004
 Phone: 0141-5159600,5159695 Fax: 0141-5159697

Registered

File No: F(HSW)/Ajmer(Masuda)/2(1)/2015-2016/5180-5182

Date:- 20/02/2020

Unit Id : 548

of as per specific conditions of authorisation.

11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.

12. An application for the renewal of an authorisation shall be made as laid down under these Rules.

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.

14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.

B. Specific Conditions

- 5 That this authorization shall ceased to be valid & shall be liable to be revoked without any further notice in case of refusal/expiry of consent to operate under the provisions of Water(Prevention and Control of Pollution) Act,1974 and Air(Prevention and Control of Pollution)Act,1981 by the State Board.
- 6 That no recycling/re-processing of the hazardous waste covered under schedule IV shall be carried out without prior authorisation from Rajasthan State Pollution Control Board as recycler/ re-processor of hazardous waste under the rule 6 of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 7 That no other or hazardous waste except those mentioned above shall be utilized for co-processing as a supplementary resource or for energy recovery, or after processing without prior & valid authorisation under approval of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 8 That in case of any expansion or change in process or product or change in mode / practice of disposal of hazardous waste or its quantity, industry shall obtain fresh authorization.
- 9 That in case of any expansion or change in process or product or change in mode / practice of disposal of hazardous waste or its quantity, industry shall obtain fresh authorization.
- 10 That the arrangements for transportation of the hazardous waste for disposal shall be done by the authorized/dedicated vehicles only and any environmental damages during Transportation shall be borne by sender/receiver whoever arrange the transportation.





RAJASTHAN STATE POLLUTION CONTROL BOARD
4, Institutional Area, Jhalana Doongari, Jaipur-302 004
 Phone: 0141-5159600,5159695 Fax: 0141-5159697

Registered

File No: F(HSW)/Ajmer(Masuda)/2(1)/2015-2016/5180-5182

Date:- 20/02/2020

Unit Id : 548

- 11 That unit will procure hazardous waste from the same sources, as mentioned in application Form and shall be co-processed in cement kiln only.
- 12 That unit will install odor control system within one month.
- 13 That unit will install equipments of size reduction for hazardous waste, within one month.
- 14 That the industry shall carry out co-processing of hazardous and other waste as per the terms and conditions of the guideline frame by the CPCB dated 07/07/2017.
- 15 Industry shall comply the emission standards during co-processing/utilization as per emission standards notified vide GSR 497 (E), dated 10/05/2016.
- 16 That unit will make efforts to co-process hazardous waste generated from the State of Rajasthan on priority.
- 17 Industry shall maintain the record of waste procurement in enclosed pass book.
- 18 The authorization is subject to the conditions stated at Annexure "A" enclosed with the authorization letter and the such conditions as may be specified in the Rules for the time being forced under the Environmental (Protection) Act, 1986.
- 19 The unit has to display and maintain the data online outside the factory main gate in Hindi & English both on a 6'X 4' display board in the manner & format prescribed at Annexure "B" and the report of the Compliance along with photograph shall be submitted to this office & Regional Office, time to time.
- 20 That the annual reports/returns in the form prescribed under the Rules shall be submitted to the Board by 30th June of every year and records of hazardous waste Generation, handling & management shall be maintained according to the provisions of the Hazardous Waste (Management and Transboundary Movement) Rules, 2016 and shown & submitted to the Board as and when asked for.
- 21 The hazardous waste should not be stored for a period beyond 90 days, failing which the authorization shall deemed to be revoked.
- 22 It shall be ensured that the Hazardous waste is handled, managed & disposed of strictly in accordance with the Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016. Non compliance of the Rules or any of the conditions contained in the authorization shall be tantamount to automatic cancellation/revocation of the authorization.
- 23 The operator of the facility shall liable to comply any other conditions as per the guidelines issued by the MoEF or CPCB or State Board related to collection, disposal, reception, storage & treatment of hazardous waste.





RAJASTHAN STATE POLLUTION CONTROL BOARD
4, Institutional Area, Jhalana Doongari, Jaipur-302 004
Phone: 0141-5159600,5159695 Fax: 0141-5159697

Registered

File No: F(HSW)/Ajmer(Masuda)/2(1)/2015-2016/5180-5182

Date:- 20/02/2020

Unit Id : 548

- 24 That Authorization is issued under the provisions of Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016 from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with conditions laid down in all other for the time-being in force, rests with the industry/unit/project proponent.
- 25 That this Authorization shall not, in any way, adversely affect or jeopardize the legal proceeding, if any, instituted in the past or that could be instituted against you by the State Board for violation of the provisions of the Act or the Rules made thereunder.

This bears the approval of the competent authority.

Yours Sincerely

Group Incharge


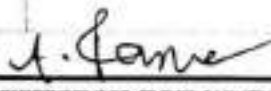
Copy To:-

- 1 Regional Officer, Regional Office, Rajasthan State Pollution Control Board, Kishangarh you are requested to ensure the compliance of authorisation conditions under the Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016
- 2 Master File

Group Incharge



Hazardous Waste Authorization of Shree Cement Ltd.

	Form 2 -[Rule 6(2)] Authorization under Hazardous & Other Wastes [Management & Transboundary Movement] Rules, 2016 Authorization No: 310745 Valid upto: 30/06/2023 (This document contains 6 pages excluding annexure)	Karnataka State Pollution Control Board Parisara Bhavana, No. 49, Church Street, Bengaluru-560001 Tele : 080-25589112/3, 25581383 Fax: 080-25586321 email id: ho@kspcb.gov.in		
Authorization No: 310745 PCB ID: 34945 Date: 18/02/2019				
FORM FOR GRANT OR RENEWAL OF AUTHORISATION BY STATE POLLUTION CONTROL BOARD TO THE OCCUPIERS, RECYCLERS, REPROCESSORS, REUSERS, USER AND OPERATORS OF DISPOSAL FACILITIES				
Ref: 1. Authorization application submitted by the industry/organization on 05/01/2019 at Regional Office. 2. Inspection of the project site/organization by Regional Officer, Gulbarga on 05/01/2019 3. Proceedings of CCM dated: 13/02/2019, held on: 05/02/2019				
1. Number of authorization and date of issue 2. Reference of application No. 66766 Inward Date 05/01/2019 3. Unit Head of Shree Cement Ltd (Unit : Karnataka Cement Project) is hereby granted an authorization based on the enclosed signed inspection report for Generation, Collection, Reception, Storage, Transport, Co-processing, Utilisation, Treatment or any other use of hazardous or other wastes or both on the premises situated at the location Address: 249, 278, 279, 280, 281, 288, 289, 290-305, 332-335-341, 356-360, Industrial Area : Benkanhalli and Kodla, Taluk : Sedam, District : Gulbarga				
Details of Authorization:				
Category of Hazardous waste as per the Schedule I, II & IV of these rules	Description of Hazardous Waste	Quantity/Annum	Unit	Authorized Mode of Disposal or recycling or utilization or co-processing, etc.,
I	5.1-Used Spent Oil	60.000	KLT	As Per Annexure
I	1.4-Organic Residues	100.000	M.T	As Per Annexure
I	1.3-Oily Sludge Emulsion	100.000	M.T	As Per Annexure
I	12.5-Phosphate Sludge	1000.000	M.T	As Per Annexure
I	21.1-process Wastes, Residues and sludges	8000.000	M.T	As Per Annexure
				
Page-1		Printed through XGN CHIEF/SENIOR ENVIRONMENTAL OFFICER		



**Form 2 -[Rule 6(2)] Authorization
under Hazardous & Other Wastes
[Management & Transboundary
Movement] Rules, 2016**

Authorization No: 310745

Valid upto: 30/06/2023

Karnataka State Pollution Control Board
Parisara Bhavana, No.49, Church Street, Bengaluru-560001
Tele : 080-25589112/3, 25581383
Fax: 080-25586321
email id: ho@kspcb.gov.in

(This document contains 6 pages excluding annexure)

	2.2-Sludge Containing Oil	500.000 M.T	As Per Annexure
	20.1-Contaminated aromatic, aliphatic or naphthenic solvents may or may not be fit for reuse.	500.000 M.T	As Per Annexure
	20.2-Spent Solvents	500.000 M.T	As Per Annexure
	20.3-Distillation Residues	9000.000 M.T	As Per Annexure
	3.2-cargo residue and sludge containing chemicals	100.000 M.T	As Per Annexure
I	1.2-Tarry Residues	500.000 M.T	As Per Annexure
I	1.6-Spent catalyst and molecular sieves	1000.000 M.T	As Per Annexure
I	23.1-Wastes or residues(not made with vegetable or animal materials	1000.000 M.T	As Per Annexure
I	26.1-Process waste sludge/residues containing acid, toxic metals, organic compounds	10000.000 M.T	As Per Annexure
I	28.1-Process Residue and wastes	5000.000 M.T	As Per Annexure
I	28.5-Date-expired products	2000.000 M.T	As Per Annexure
I	36.1-Any process or distillation residue	4000.000 M.T	As Per Annexure



**Form 2 -[Rule 6(2)] Authorization
under Hazardous & Other Wastes
[Management & Transboundary
Movement]Rules,2016**

Authorization No: 310745

Valid upto: 30/06/2023

Karnataka State Pollution Control Board
Parisara Bhavana, No.49, Church Street, Bengaluru-560001
Tele : 080-25589112/3, 25581383
Fax: 080-25586321
email id: ho@kspcb.gov.in

(This document contains 6 pages excluding annexure)

I	36.2-Spent carbon or filter medium	1000.000 M.T	As Per Annexure
	2.3-Drilling mud containing oil	200.000 M.T	As Per Annexure
	20.4-Process Sludge	1500.000 M.T	As Per Annexure
	3.1-cargo residue, washing water and sludge containing oil	100.000 M.T	As Per Annexure
	3.3-Sludge And Filters Contaminated With Oil	100.000 M.T	As Per Annexure
I	28.3-Spent carbon	5000.000 M.T	As Per Annexure
I	4.4-Organic Residues From Process	1000.000 M.T	As Per Annexure
I	28.4-Off specification products	2000.000 M.T	As Per Annexure
I	28.6- Spent solvents	3000.000 M.T	As Per Annexure
I	33.2-Contaminated cotton rags or other cleaning materials	2000.000 M.T	As Per Annexure
I	35.3-Chemical Sludge From Waste Water Treatment	20000.000 M.T	As Per Annexure
I	4.5-Spent Clay Containing Oil	1000.000 M.T	As Per Annexure
I	5.3-Wastes or residues containing oil	5000.000 M.T	As Per Annexure

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CHIEF/SENIOR ENVIRONMENTAL OFFICER



**Form 2 -[Rule 6(2)] Authorization
under Hazardous & Other Wastes
[Management & Transboundary
Movement] Rules, 2016**

Authorization No: 310745

Valid upto: 30/06/2023

Karnataka State Pollution Control Board
Parisara Bhavana, No.49, Church Street, Bengaluru-560001
Tele : 080-25589112/3, 25581383
Fax: 080-25586321
email id: ho@kspcb.gov.in

(This document contains 6 pages excluding annexure)

1. The authorization shall be valid for a period upto 30/06/2023

A. General Conditions of authorization:

1. The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986 and the Rules made there under.
2. The authorization or its renewal shall be produced for inspection at the request of an Officer authorized by the Karnataka State Pollution Control Board.
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous wastes and other wastes except what is permitted through this authorization and without obtaining prior permission of the KSPCB.
4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of this authorization.
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.
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".
7. It is the duty of the authorized person to take prior permission of the Karnataka State Pollution Control Board to close down the facility.



Form 2 -[Rule 6(2)] Authorization
under Hazardous & Other Wastes
[Management & Transboundary
Movement] Rules, 2016


Authorization No: 310745

Valid upto: 30/06/2023

Karnataka State Pollution Control Board
Parisara Bhavana, No.49, Church Street, Bengaluru-560001
Tele : 080-25589112/3, 25581383
Fax: 080-25586321
email id: ho@kspcb.gov.in

(This document contains 6 pages excluding annexure)

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.
9. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
10. 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.
11. An application for the renewal of an authorization shall be made '3' months before the date of expiry.
12. The Person authorized shall bring to the notice of the Board, if any increase in quantity, change in category and handling operation. In such cases, the authorized Person has to obtain fresh authorization.
13. Karnataka State Pollution Control Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the terms and conditions of this authorization or to suspend or cancel this authorization.
14. The Person authorized shall take steps for reduction and prevention of the waste generated or for recycling or reuse.
15. The authorized person shall maintain the records at site in Form-3 and shall submit the annual returns in Form-4 within 30th June every year for the Period April to March and manifest in Form-10.
16. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
17. The hazardous and other waste which gets generated during recycling or reuse or recovery or per-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
18. The transportation of hazardous waste shall have to be carried out only through registered/authorized vehicles meant for transportation of hazardous waste.
19. The Person Authorized shall not store the Hazardous Waste more than ninety days as per Rule 8 (1).
20. The Person Authorized shall transport and store the raw materials in a manner so as not to cause any damage to environment, life and property. The applicant shall be solely responsible for any damages to environment.
21. Display Boards: The person authorized shall display sign boards at the storage site as "Hazardous Waste Storage Site" and "Danger" and the site shall be provided with accident preventive measures.

	Form 2 -[Rule 6(2)] Authorization under Hazardous & Other Wastes [Management & Transboundary Movement] Rules, 2016	Karnataka State Pollution Control Board Parisara Bhavana, No.49, Church Street, Bengaluru-560001 Tele : 080-25589112/3, 25581283 Fax: 080-25586321 email id: ho@kspcb.gov.in
	Authorization No: 310745 Valid upto: 30/06/2023	
(This document contains 6 pages excluding annexure)		
B. Specific Conditions:		
<u>Additional Conditions:</u>		
General Conditions Nil not applicable		
<p>For and on behalf of the Karnataka State Pollution Control Board</p> <p>CHIEF/SENIOR ENVIRONMENTAL OFFICER</p>		
COPY TO:		
1. The Environmental Officer, KSPCB, Regional Office, for information and to inspect the industry during your next visit to the area.		
2. Master copy (Dispatch).		
3. Office copy.		
Page-6	Printed through XGN	CHIEF/SENIOR ENVIRONMENTAL OFFICER

1 of 3
M/s. Shree Cement Ltd.
 (Unit : Karnataka Cement Project),
 Located at 249, 278, 279, 280, 281, 288, 289, 290-305, 332-335-341, 356-360,
 Benkanhalli Industrial Area, Sedam Taluk, Gulbarga District,

ANNEXURE-I

(PCB ID:34945)

Sl No.	Category of waste	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	Percentage (%)
1.	5.1	Used Oil	Shall be Stored in secure manner and handed over to KSPCB Authorized reprocessor/recyclers.	60 KL/A
2.	1.2	Tarry residues and still bottom from distillation	Shall be procured from generating industries, stored and used for co-incineration in cement kiln.	500 MT/A (0.17%)
3.	1.3	Oil sludge emulsion		100MT/A (0.03%)
4.	1.4	Organic residue		100MT/A (0.03%)
5.	1.6	Spent catalyst and molecular sieves		1000MT/A
6.	2.2	Sludge containing oil		500MT/A (0.07%)
7.	2.3	Drilling mud containing oil		200MT/A (0.03%)
8.	3.1	Cargo residue, washing water and sludge containing oil		100MT/A (0.02%)
9.	3.2	Cargo residue and sludge containing chemicals		100MT/A (0.01%)

2 of 3

M/s. Shree Cement Ltd.(Unit : Karnataka Cement Project)Located at 249, 278, 279, 280, 281, 288, 289, 290-305, 332-335-341, 356-360,Benkanhalli Industrial Area, Sedam Taluk, Gulbarga District.

10.	3.3	Sludge and filters contaminated with oil	100MT/A (0.03%)
11.	4.4	Organic residue from processes	1000MT/A (0.33%)
12.	4.5	Spent clay containing oil	1000MT/A (0.33%)
13.	5.2	Wastes or residues containing oil	5000MT/A (1.67%)
14.	12.5	Phosphate sludge	1000MT/A
15.	20.1	Contaminated aromatic, aliphatic or naphthenic solvents may or may not be fit for reuse.	500MT/A (0.17%)
16.	20.2	Spent solvents	500MT/A (0.10%)
17.	20.3	Distillation residues	9000MT/A (3.00%)
18.	20.4	Process Sludge	1500MT/A (0.50%)
19.	21.1	Process wastes, residues and sludges	8000MT/A (2.67%)
20.	23.1	Wastes or residues (not made with vegetable or animal	1000MT/A (0.33%)

2

3 of 3

M/s. Shree Cement Ltd,**(Unit : Karnataka Cement Project),****Located at 249, 278, 279, 280, 281, 288, 289, 290-305, 332-335-341, 356-360,****Benkanhalli Industrial Area, Sedam Taluk, Gulbarga District.**

		materials)	
21.	26.1	Process waste sludge/residues containing acid, toxic metals, organic compounds	10000MT/A (3.33%)
22.	28.1	Process Residue and wastes	5000MT/A (1.67%)
23.	28.3	Spent Carbon	5000MT/A (1.67%)
24.	28.4	Off specification products	2000MT/A (0.67%)
25.	28.5	Date expired products	2000MT/A (0.67%)
26.	28.6	Spent solvents	3000MT/A (0.60 %)
27.	33.2	Contaminated cotton rags or other cleaning materials	2000MT/A (0.67%)
28.	35.3	Chemical sludge from waste water treatment	20000MT/A (1.33%)
29.	36.1	Any process or distillation residue	4000MT/A (1.33%)
30.	36.2	Spent carbon or filter medium	1000MT/A (0.33%)


4 of 3

M/s. Shree Cement Ltd.(Unit : Karnataka Cement Project),Located at 249, 278, 279, 280, 281, 288, 289, 290-305, 332-335-341, 356-360,Benkanhalli Industrial Area, Sedam Taluk, Gulbarga District.

31.		Alternative fuels & raw material preparation from authorized waste treatment facility		15000MT/A
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Additional Conditions:


The 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 as per Rule 6(8) of HWM Rules, 2016.


 SENIOR ENVIRONMENTAL OFFICER (WMC)



ANNEXURE 12: Alembic Consent

CC&A of Alembic Pharmaceuticals Ltd.



GPCB

GUJARAT POLLUTION CONTROL BOARD
PARYAVARAN BHAVAN
Sector 10-A, Gandhinagar 382 010
Phone : (079) 23226295
Fax : (079) 23232156
Website : www.gpcb.gov.in
By R.P.A.O.

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution) Act-1981 and Authorization under rule 3(c)& 5(5) of the Hazardous Waste (Management and Handling) Rules-1989, amendment rules-2000, amended rules-2003 framed under the E (P) Act-1986.

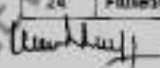
And whereas Board has received consolidated application letter No-110563, dated-29/07/2016 for the consolidated consent and authorization (**CC&A- RENEWAL+ AMENDMENT**) of this Board under the provisions / rules of the aforesaid Acts Consent & Authorization is hereby granted as under:

CONSENT AND AUTHORISATION:
(Under the provisions / rules of the aforesaid environmental acts)

To,
ALEMBIC PHARMACEUTICAL LTD. (API DIV. PLANT-I) (OLD NAME: ALEMBIC LTD.) (ID: 18788).
Plot NO: S. No: 118,121,132,133,
VILL: PANELAV, PO: TAJPURA,
TAL: HALOL,
DIST: PANCHMAHAL.

- Consent Order No. AWH- 81555. Date of Issue: 27/09/2016.
- The consent shall be valid up to **22/09/2021** for use of outlet for the discharge of trade effluent & emission due to operation of industrial plant for manufacture of the following items/products.

Sr. No.	PRODUCT	Total (MT/Month)
1.	Azithromycin	
2.	Clarithromycin	
3.	Fenofibrate	
4.	Ibuprofen	
5.	Roxithromycin	
6.	Telmisartan	
7.	Valartan	
8.	Venlafaxine	
9.	Clonidine Hydrochloride	
10.	Fenofibrate	
11.	Leffampride	
12.	Lavonoxolam	
13.	Modafinil	
14.	Peritosen Polysorbates sodium	
15.	Quetiapine Fumarate	
16.	Metoprolol Succinate	
17.	Metoprolol Tartrate	
18.	Lamotrigine	
19.	O Desmethyle venlafaxine	
20.	Hydrochlorothiazide	
21.	Rotiprenone Hydrochloride	
22.	Alendronate Sodium	
23.	Deferasirox	
24.	Fluxidine Hydrochloride	
		25


Clean Gujarat Green Gujarat
ISO-9001-2008 & ISO-14001 - 2004 Certified Organisation

25.	Lercanidipine Hydrochloride	20
26.	Linezolid	
27.	Olmesartan Medoxomil	
28.	Pramipexole Dihydrochloride Monohydrate	
29.	Lacosamide	
30.	Topiramate	
31.	Rivastigmine Tartrate	
32.	Vildagliptin	
33.	Meprobamate	
34.	Azithromycin and Venlafaxine (by purification only)	

3. CONDITION UNDER THE WATER ACT:

- 3.1 The generation of Industrial Effluent shall be **105 KL/Day** from the manufacturing process & other ancillary Industrial operations.
- 3.2 Out of 105 KL/day waste water, Low COD & Low TDS effluent shall be treated through Primary and Secondary treatment plant & plant & Reverse Osmosis plant.
- 3.2.1 R.O. permeate waste shall be reuse in the plant as well as in Garden and the reject shall be treated in the MEE. Permeate shall conform following standards for Gardening

Parameter	GPCB Norms
pH	6.5 to 8.5
Temperature	40° c
Suspended Solids	100 mg/l
Oil & Grease	10 mg/l
Phenolic Compound	1.0 mg/l
Sulphides	2.0 mg/l
Fluorides	1.5 mg/l
BOD (3 days at 27° C)	30 mg/l
COD	100 mg/l
Chlorides	600 mg/l
Sulphates	1000 mg/l
Total Dissolve Solids	2100 mg/l
Ammonium Nitrogen	50 mg/l
% sodium	80

- 3.2.2 The treated effluent conforming to the above environmental standards shall be discharged on land for plantation/Gardening purpose within the factory premises.
- 3.2.3 High COD & High TDS effluent shall be treated through MEE. The concentrate of MEE shall be incinerated into the existing incinerator. Distillate of MEE shall be reused in the plants, cooling Towers, etc.
- 3.2.4 No waste water shall be discharged outside the premises.
- 3.3 The quantity of the Domestic waste water (sewage) shall not exceed 60 KL/day after expansion and shall be disposed off through septic tank/soak pit system or it shall be treated separately to conform following standards.

PARAMETERS	GPCB NORMS
Suspended Solids	30 mg/l
BOD (5 days at 20 °C)	20 mg/l
Residual Chlorine	Minimum 0.5 ppm

4. CONDITIONS UNDER THE AIR ACT:

- 4.1 The following shall be used as fuel

Sr. No.	Fuel	Quantity
1	Agro-waste/Briquettes	1015 KG/hr
2	Imported Steam Coal	1500 KG/hr
3	FO	180 Lit/hr
4	HSD/LDO	170 Lit/hr
5	FO	15 Lit/hr

- 4.2 The applicant shall install & operate air pollution control system in order to achieve norms prescribed below.

4.2.1 The flue gas emission through stack attached to Boiler shall conform to the following standards.

Stack No.	Stack attached To	Stack Height in Meter	APCM	Parameter	Permissible Limit
1.	Agro based Boiler (5 TPH)	35 mt	Bag Filter	Particulate matter SO ₂ NO _x	150 mg/NM ³ 100 ppm 50 ppm
2.	Boiler 1 & 2	30 mt (common stack)	Bag Filter		
3.	D.G. Set (750 KVA)	12 mt	--		
4.	Incinerator	38 mt	Venture Scrubber and Quencher	Particulate matter SO ₂ HF HCL NO _x TOC CO Total Dioxin & Furans	150 mg/NM ³ 200 mg/NM ³ 4 mg/NM ³ 50 mg/NM ³ 400 mg/NM ³ 20 mg/NM ³ 100 mg/NM ³ 0.1 TFC/Nm ³

4.2.2 The process gas emission through stack/vent of reactors, processes, vessels shall conform to the following standards.

Stack No.	Stack attached To	Stack Height in Meter	APCM	Parameter	Permissible Limit
1.	Reaction Vessels Pilot Plant	12 mt	Alkali Scrubber	HCL Cl ₂	20 mg/Nm ³ 9 mg/Nm ³
2.	Reaction Vessels No. 1 in Plant-I	12 mt	Chilled water circulation	NH ₃	175 mg/Nm ³
3.	Reaction Vessels No. 2 in Plant-I	12 mt	Alkali Scrubber	HCL Cl ₂	20 mg/Nm ³ 9 mg/Nm ³
4.	Reaction Vessels in plant-II	12 mt	Alkali Scrubber	HCL Cl ₂	20 mg/Nm ³ 9 mg/Nm ³
5.	Reaction Vessels in plant-III	12 mt	Alkali Scrubber	HCL Cl ₂	20 mg/Nm ³ 9 mg/Nm ³
6.	Reaction Vessels in plant-V	12 mt	Alkali Scrubber	HCL Cl ₂	20 mg/Nm ³ 9 mg/Nm ³

4.2.3 Stack monitoring facilities like port hole, platform/ladder, etc. shall be provided with stacks/vents chimney in order to facilitate sampling of gases being emitted into the atmosphere.

4.2.4 The concentration of the following parameters in the ambient air within the premises of the industry and a distance of 10 meters from the source (other than the stack/vent) shall not exceed the following levels:

PARAMETER	PERMISSIBLE LIMIT ANNUAL	PERMISSIBLE LIMIT 24 HRS. AVERAGE
Particulate matter- ₁₀ (PM ₁₀)	60 Microgram /NM ³	100 Microgram /NM ³
Particulate matter- _{2.5} (PM _{2.5})	40 Microgram /NM ³	60 Microgram /NM ³
Oxides of Sulphur	60 Microgram /NM ³	60 Microgram /NM ³
Oxides of Nitrogen	40 Microgram /NM ³	60 Microgram /NM ³

4.3 The applicant shall operate air pollution control equipment very efficiently and continuously so that the concentration particulate matter always conforms to the standards specified in the conditions no. 4.2.2 & 4.2.4 above.

4.4 The consent to operate the industrial plant shall lapse if at any time the parameters of the gaseous emission are not within the tolerance limits specified in the condition no 4.2.2 & 4.2.4. above.

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.

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 75dB(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.

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 Applicant shall also comply with the general conditions given in annexure 1.

6. **AUTHORISATION FOR THE MANAGEMENT & HANDLING OF HAZARDOUS WASTES Form-2 (See rule 6 (2)).**

6.1 Number of authorisation and date of issue: **AWH-81655**, Date of issue: **27/09/2016**.

6.2 Reference of application: Inward No. **110683**, dtd. **29/07/2016**.

6.3 An application of Alembic pharmaceutical Ltd. (Api Div. Plant-I) (old name: alembic ltd.) of is hereby granted an authorisation based on the enclosed signed inspection report for generation, collection, reception, storage, reuse, recycling, disposal by selling to authorized recycler or any other use of hazardous or other wastes or both on the premises situated at Plot NO: S. no: 119,121,132,133, VILL: PANELAV, PO: TAJPURA, TAL: HALOL, DIST: PANCHMAHAL.

Details of Authorisation

Sr. No.	Category of Hazardous Waste as per the Schedules I, II and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.	Quantity
1.	Schedule-I Category- 5.1 Used Oil	Collection, Storage, Transportation and Disposal by selling to authorized recycler.	6.96 KL/Year
2.	Schedule-I Category- 28.6 Spent solvent	Collection, Storage for onsite Distillation OR Transportation for offsite distillation at Vadodara Unit (Alembic Limited) OR by authorized other vendor OR sale to authorized recycler.	1020 KL/Year
3.	Schedule-I Category- 28.1 Process Residue	Collection, Storage, Transportation & Disposal by incineration at CHWI or send for Co-processing.	120 KL/Year
4.	Schedule-I Category- 28.3 Spent carbon	Collection, Storage, Transportation & disposal by incineration at CHWI or send for Co-processing.	48 MT/Year
5.	Schedule-I Category- Spent Mother liquor	Collection, Storage, onsite treatment in MEE Dryer & incineration OR transportation & disposal by incineration at CHWI or send for co-processing.	16200 KL/Year
6.	Schedule-I Category- 33.3 Discarded Drums	Collection, Storage, decontamination & reuse or sale to authorized recycler.	36396 Nos./Year
7.	Schedule-I Category- 34.3 ETP sludge	Collection, Storage, transportation & disposal to TSDF.	114 MT/Year
8.	Schedule-I Category- 35.1 Filter & Filter Material	Collection, Storage, transportation & disposal by incineration on-site OR off-site.	18600 Nos./Year
9.	Schedule-I Category- 37.2 Incinerator Ash	Collection, Storage, Transportation & disposal to TSDF.	52.8 MT/Year
10.	Schedule-I Category- 28.4 & 28.5 Off Specification Product/Data Expired Product	Collection, Storage, transportation & disposal by incineration within premises or at CHWI.	So ever Granted

5.4 The authorisation shall be valid for a period of **22/09/2021**.

5.5 The authorisation is subject to the following general and specific conditions (Please specify any conditions that need to be imposed over and above general conditions, if any).

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6.5 GENERAL CONDITIONS OF AUTHORISATION:

- 6.6.1 The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
- 6.6.2 The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by this Board.
- 6.6.3 The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
- 6.6.4 Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorization.
- 6.6.5 The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation 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.
- 6.6.6 The person authorised 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".
- 6.6.7 It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- 6.6.8 The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- 6.6.9 The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- 6.6.10 The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
- 6.6.11 The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
- 6.6.12 An application for the renewal of an authorisation shall be made as laid down under these Rules.
- 6.6.13 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.
- 6.6.14 Annual return shall be filed by June 30th for the period ensuing 31st March of the year.

For and on behalf of
Gujarat Pollution Control Board


(P.J. Vachhani)
Senior Environmental Engineer


DATE: /11/2016

NO.GPCB/CCA-PN-3(15)/ID: 18788/

ISSUED TO:

✓ ALEMBIC PHARMACEUTICAL LTD. (APL DIV. PLANT-1) (OLD NAME: ALEMBIC LTD.) (ID: 18788),
Plot NO: S. no: 119,121,132,133,
VILL: PANELAV, PO: TAJPURA,
TAL: HALOL, DIST: PANCHMAHAL.

Amended CC&A of Alembic Pharmaceuticals Ltd.



GPCB

GUJARAT POLLUTION CONTROL BOARD
PARYAVARAN BHAVAN
Sector 10-A, Gandhinagar 382 010
Phone : (079) 23226295
Fax : (079) 23232156
Website : www.gpcb.gov.in
By R.P.A.D.

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution) Act-1981 and Authorization under rule 3(c) & 6(2) of the Hazardous Waste (Management and Handling and Trans boundary Movement) Rules 2016 framed under the E (P) Act-1986. This Board is empowered to grant CC&A.

And whereas Board has received consolidated application letter No-118496, dated-04/02/2017 for the consolidated consent and authorization (CC& A- Re apply + Amendment) of this Board under the provisions / rules of the aforesaid Acts Consent & Authorization is hereby granted as under.

CONSENT AND AUTHORISATION:
(Under the provisions / rules of the aforesaid environmental acts)

To,
ALEMBIC PHARMACEUTICAL LTD. (API DIV. PLANT-4) (OLD NAME: ALEMBIC LTD.) (ID: 16788),
Plot NO: S. No: 119,121,132,133,
VILL: PANELAV, PO: TAJPURA,
TAL: HALOL,
DIST: PANCHMAHAL.

- Consent Order No. AWH- 85696. Date of issue: 01/05/2017.
- The consent shall be valid up to **22/08/2021** for use of outlet for the discharge of trade effluent & emission due to operation of industrial plant for manufacture of the following items/products:

Sr. No.	PRODUCT	EXISTING (MT/Month)	Proposed (After Expansion) (MT/Month)
1.	Clarithromycin	25	75
2.	Azithromycin		
3.	Roxithromycin		
4.	Venlafaxine		
5.	Fenofibrate		
6.	Irbesartan		
7.	Valsartan		
8.	Telmisartan		
9.	Clonidine Hydrochloride		
10.	Modafinil		
11.	Leflunomide		
12.	Alendronate Sodium		
13.	O Desmethyl Venlafaxine		
14.	Meprobamate		
15.	Vildagliptin		
16.	Rivastigmine Tartrate		
17.	Topiramate		
18.	Lacosamide		

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ISO-9001-2008 & ISO-14001 - 2004 Certified Organisation

19.	Pramipexole Dihydrochloride Monohydrate	00	
20.	Olmesartan Medoxomil		
21.	Linezolid		
22.	Lercanidipine Hydrochloride		
23.	Fluxetine Hydrochloride		
24.	Deferasirox		
25.	Ropinirole Hydrochloride		
26.	Hydrochlorothiazide		
27.	Lamotrigine		
28.	Metoprolol Tartrate		
29.	Metoprolol Succinate		
30.	Quetiapine Fumarate		
31.	Pentosan Polysulphate Sodium		
32.	Levetiracetam		
33.	Famotidine		
34.	Memantine HCL		
35.	Pregabalin		
36.	Ivabradine		
37.	Azilsartan		
38.	Etoricoxib		
39.	Derifenacin		
40.	Celecoxib		
41.	Rabeprazole sodium		
42.	Clopidogrel bisulfate		
43.	Felodipine		
44.	Prasugrel Hydrochloride		
45.	Mexiletine Hydrochloride		
46.	Warfarin		
47.	Bazedoxifene		
48.	Bosentan		
49.	Febuxostate		
50.	Dronedarone		
51.	Dabigatran		
52.	Rivaroxaban		
53.	Asenapine		
54.	Silosoline		
55.	Zolmitriptan		
56.	Iloperidone		
57.	Agomelatine		
58.	Ticagrelor		
59.	Metaxalon		
60.	Vilazodone Hydrochloride		
61.	Teriflunomide		
62.	Nisoldipine		
63.	Fesoterodine Fumarate		
64.	Minodronic acid		
65.	Erlotinib		
66.	Gefitinib		

3. **CONDITION UNDER THE WATER ACT:**

- 3.1 The generation of Industrial effluent from the manufacturing process & other ancillary industrial operations shall be 195 KL/day after expansion
- 3.2 The quantity of domestic waste water (sewage) shall be 50 KL/Day.

Signature

3.3 Industrial waste water + Domestic waste water (195 KL/Day + 50 KL/Day = 245 KL/Day) shall be treated in ETP + R.O.

3.4 Out of 245 KL/Day, 237.5 KL/Day is R.O. permeate which reused in plant (210 KL/Day) and in gardening (27.5 KL/Day) within factory premises. Where 5 KL/Day will be recovered solvent & 2.5 KL/day will be MEE concentrate.

3.5 MEE concentrate will be treated in MEE.

4. CONDITIONS UNDER THE AIR ACT:

4.1. The following shall be used as fuel in addition to Existing

Sr. No.	Fuel	Quantity
1.	Imported steam Coal for water tube FBC Boiler	35 MT/Day
2.	LDO in Thermic Fluid Heater	0.4 KL/Day

4.2. The applicant shall install & operate air pollution control system in order to achieve norms prescribed below.

4.2.1 The flue gas emission through stack attached to Boiler shall conform to the following standards in addition to existing.

Stack No.	Stack attached To	Stack Height in Meter	APCM	Parameter	Permissible Limit
1.	Water tube FBC Boiler (10 MT/hr)	35 mt	ESP (Dry Horizontal type with 3 field)	Particulate Matter SO ₂ NO _x	150 mg/Nm ³ 100 ppm 50 ppm
2.	Thermic Fluid Heater	12 mt	—		

4.2.2. The process gas emission through stack/vent of reactors, processes, vessels shall conform to the following standards in addition to existing.

Stack No.	Stack attached To	Stack Height in Meter	APCM	Parameter	Permissible Limit
1.	Reaction Vessels No-2 in plant-2	12 mt (From G.L.)	Chilled Water Circulation	NH ₃	175 mg/Nm ³
2.	Reaction Vessels No-1 in Plant-7	12 mt (From G.L.)	Chilled Water Circulation	NH ₃	175 mg/Nm ³
3.	Reaction Vessels No-2 in Plant-7	12 mt (From G.L.)	Alkali scrubber	HCL Cl ₂	20 mg/Nm ³ 9 mg/Nm ³
4.	Reaction Vessels No-1 in Ware- House	12 mt (From G.L.)	Alkali scrubber	HCL Cl ₂	20 mg/Nm ³ 9 mg/Nm ³

4.2.3. Stack monitoring facilities like port hole, platform/ladder etc., shall be provided with stacks/vents chimney in order to facilitate sampling of gases being emitted into the atmosphere.

4.2.4. The concentration of the following parameters in the ambient air within the premises of the industry and a distance of 10meters from the source) other than the stack/vent) shall not exceed the following levels:

PARAMETER	PERMISSIBLE LIMIT ANNUAL	PERMISSIBLE LIMIT 24 HRS. AVERAGE
Particulate matter- ₁₀ [PM10]	60 Microgram /Nm ³	100 Microgram /Nm ³
Particulate matter- _{2.5} [PM2.5]	40 Microgram /Nm ³	60 Microgram /Nm ³
Oxides of Sulphur	50 Microgram /Nm ³	80 Microgram /Nm ³
Oxides of Nitrogen	40 Microgram /Nm ³	80 Microgram /Nm ³

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- 4.3. The applicant shall operate air pollution control equipment very efficiently and continuously so that the concentration particulate matter always conforms to the standards specified in the conditions no. 4.2.2. & 4.2.4 above.
- 4.4. The consent to operate the industrial plant shall lapse if at any time the parameters of the gaseous emission are not within the tolerance limits specified in the condition no 4.2.2 & 4.2.4. above.
- 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.
- 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 75dB(a) during day time and 70 dB (A) during night time. Daytime is reckoned in between 6a.m. and 10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.

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 Applicant shall also comply with the general conditions given in annexure I.

6. **AUTHORISATION FOR THE MANAGEMENT & HANDLING OF HAZARDOUS WASTES Form-2 (See rule 6 (2)).**

6.1 Number of authorisation and date of issue: AWH-85696. Date of issue: 01/05/2017.

6.2 Reference of application: Inward No. 118496, dtd. 04/02/2017.

- 6.3 An application of **Alembic pharmaceutical Ltd. (Api Div. Plant-I)** (old name: **Alembic Ltd.**) of is hereby granted an authorisation based on the enclosed signed inspection report for generation, collection, reception, storage, reuse, recycling, disposal by selling to authorized recycler or any other use of hazardous or other wastes or both on the premises situated at Plot NO: S. no: 119,121,132,133, VILL: PANELAV, PO: TAJPURA, TAL: HALOL, DIST: PANCHMAHAL.

Details of Authorisation

Sr. No.	Category of Hazardous Waste as per the Schedules I, II and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.	Existing Quantity	Proposed Quantity	Total Quantity
1.	Schedule-I Category- 5.1 Used Oil	Collection, Storage, Transportation and Disposal by selling to authorized recycler.	6.96 KL/Year	+1.0 KL/Year	7.96 KL/Year
2.	Schedule-I Category- 28.5 Spent solvent	Collection, Storage for onsite Distillation OR Transportation for offsite distillation at Vadodara Unit (Alembic Limited) OR by authorized other vendor OR sale to authorized recycler.	1020 KL/Year	+480 KL/Year	1500 KL/Year

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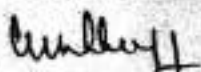
3.	Schedule-I Category- 36.4 Process Residue	Collection, Storage, Transportation & disposal by incineration at CHWI or send for Co-processing.	120 KL/Year	+240 KL/Year	360 KL/Year
4.	Schedule-I Category- 28.2 Spent carbon & Hy-flow	Collection, Storage, Transportation & disposal by incineration at CHWI or send for Co-processing.	60 MT/Year	+120 KL/Year	180 KL/Year
5.	Schedule-I Category- 28.4 Spent Mother liquor	Collection, Storage, onsite treatment in MEE Dryer & incineration OR transportation & disposal by incineration at CHWI or send for co-processing.	16200 KL/Year	+14400 KL/Year	30600 KL/Year
6.	Schedule-I Category- 33.3 Discarded Drums	Collection, Storage, decontamination & reuse or sale to authorized recycler.	36000 Nos./Year	+4000 Nos./Year	40000 Nos./Year
7.	Schedule-I Category- 34.3 ETP sludge	Collection, Storage, transportation & disposal to TSDF.	150 MT/Year	+500 MT/Year	650 MT/Year
8.	Schedule-I Category- 35.1 Filler & Filter Material	Collection, Storage, transportation & disposal by incineration on-site OR off-site.	18600 Nos./Year	+1400 Nos./Year	20000 Nos./Year
9.	Schedule-I Category- 36.2 Incinerator Ash	Collection, Storage, Transportation & disposal to TSDF.	70 MT/Year	+30 MT/Year	100 MT/Year
10.	Schedule-I Category- 28.4 & 28.5 Off Specification Product/Date Expired Product	Collection, Storage, transportation & disposal by incineration within premises or at CHWI.	So ever Granted	Nil	So ever Granted
11.	Schedule-I Category- 29.2 Evaporation Salt	Collection, Storage, Transportation & disposal to TSDF.	--	450 MT/Year	450 MT/Year

6.4 The authorisation shall be valid for a period of 22/08/2021.

6.5 The authorisation is subject to the following general and specific conditions (Please specify any conditions that need to be imposed over and above general conditions, if any):

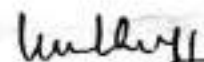
6.6 **GENERAL CONDITIONS OF AUTHORISATION:**

6.6.1 The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.



- 6.6.2 The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by this Board.
- 6.6.3 The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
- 6.6.4 Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorization.
- 6.6.5 The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation 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.
- 6.6.6 The person authorised 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"
- 6.6.7 It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- 6.6.8 The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- 6.6.9 The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- 6.6.10 The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
- 6.6.11 The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
- 6.6.12 An application for the renewal of an authorisation shall be made as laid down under these Rules.
- 6.6.13 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.
- 6.6.14 Annual return shall be filed by June 30th for the period ensuring 31st March of the year.

For and on behalf of
Gujarat Pollution Control Board



(P.J. Vachhani)

Senior Environmental Engineer

NO.GPCB/CCA-PN-3(15)/ID: 18788/ 4)3925

DATE: 01 /06/2017

ISSUED TO:

ALEMBIC PHARMACEUTICAL LTD. (API. DIV. PLANT- I) (OLD NAME: ALEMBIC LTD.) (ID: 18788),
Plot NO: S. no: 119,121,132,133,
VILL: PANELAV, PO: TAJPURA,
TAL: HALOL,
DIST: PANCHMAHAL.

CC&A for Rule-09 Application of Alembic Pharmaceuticals Ltd.



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar 382 010

Phone : (079) 23222425

(079) 23232152

Fax : (079) 23232156

Website : www.gpcb.gov.in

By R.P.A.D.

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution) Act-1981 and Authorization under rule 3(c)& 5(f) of the Hazardous Waste (Management and Handling) Rules-1989, amendment rules-2000, amended rules-2003 framed under the E (P) Act-1986

And whereas Board has received consolidated application letter No-14054, dated-20/10/2018 for the consolidated consent and authorization (CC&A- AMENDMENT) of this Board under the provisions / rules of the aforesaid Acts Consent & Authorization is hereby granted as under.

CONSENT AND AUTHORISATION:

(Under the provisions / rules of the aforesaid environmental acts)

To,
ALEMBIC PHARMACEUTICAL LTD. (API DIV. PLANT-I) (OLD NAME: ALEMBIC LTD.) (ID: 18788),
Plot No: S. No: 119,121,132,133,
VIII, Patelav, Poi. Tajpura,
Tal: Halol,
Dist: Panchmahal.

1. Consent Order No. H- 98124. Date of issue: 20/10/2018, validity period of the order will be up to 19/10/2021.
2. Condition No. 2 (Product details) shall be remain unchanged due to this amendment
3. **CONDITION UNDER THE WATER ACT:**
 - 3.1 The generation of industrial effluent from the manufacturing process & other ancillary industrial operations shall be 195 KL/day after expansion.
 - 3.2 The quantity of domestic waste water (sewage) shall be 50 KL/Day.
 - 3.3 Industrial waste water + Domestic waste water (195 KL/Day + 50 KL/Day = 245 KL/Day) shall be treated in ETP + R.O.
 - 3.4 Out of 245 KL/Day, 237.5 KL/Day is R.O. permeate which reused in plant (210 KL/Day) and in gardening (27.5 KL/Day) within factory premises. Where 5 KL/Day will be recovered solvent & 2.5 KL/Day will be MEE concentrate
 - 3.5 MEE concentrate will be treated in ATFD
4. **CONDITIONS UNDER THE AIR ACT:**
 - 4.1 There shall be no change in existing fuel gas and process gas emission due to this amendment, it shall remain unchanged
4. **AUTHORISATION FOR THE MANAGEMENT & HANDLING OF HAZARDOUS WASTES Form-2 (See rule 6 (2)).**
 - 6.1 Number of authorisation and date of issue: H-98124, Date of issue: 20/10/2018.
 - 6.2 Reference of application: Inward No. 145054, dated 20/10/2018.

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- 6.3 An application of Alembic pharmaceutical ltd. (API Div. Plant-I) (Old name: Alembic ltd.) of is hereby granted an authorisation based on the enclosed signed inspection report for generation, collection, reception, storage, reuse, recycling, disposal by selling to authorized recycler or any other use of hazardous or other wastes or both on the premises situated at Plot No: S. No: 119,121,132,133, Vill: Panelav, Po: Tajpura, Tal: Halol, Dist: Panchmahal.

Details of Authorisation

Sr. No.	Category of Hazardous Waste as per the Schedules I, II and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.	Existing Quantity	Proposed Quantity	Total Quantity
1.	Schedule-I Category- 5.1 Used Oil	Collection, Storage, Transportation and Disposal by selling to authorized recycler.	7.98 KL/Year	-	7.98 KL/Year
2	Schedule-I Category- 28.6 Spent solvent	1500 KL/Year for offsite recovery or incineration at CHWIF or co-processing from total generation of 12000 KL/Year	1500 KL/Year	-	1500 KL/Year
3	Schedule-I Category- 36.1 Any process or distillation residue (Proposed)	For onsite utilization of spent solvent 10500 KL/Year by distillation at process solvent recovery plants 2 and 3	-	+10500 KL/Year	10500 KL/Year
4.	Schedule-I Category- 38.4 Process Residue	Collection, Storage, Transportation & disposal by incineration at CHWI or send for Co-processing	360 KL/Year	-	360 KL/Year
5	Schedule-I Category- 28.2 Spent carbon & Hy-flow	Collection, Storage, Transportation & disposal by incineration at CHWI or send for Co-processing.	180 KL/Year	-	180 KL/Year
6	Schedule-I Category- 28.4 Spent Mother liquor	Collection, Storage, onsite treatment in MEE Dryer & incineration OR transportation & disposal by incineration at CHWI or send for co-processing.	30600 KL/Year	-	30600 KL/Year
7	Schedule-I Category- 33.3 Discarded Drums	Collection, Storage, decontamination & reuse or sale to authorized recycler	40000 Nos./Year	-	40000 Nos./Year
8	Schedule-I Category- 34.3 ETP Sludge	Collection, Storage, transportation & disposal to TSDF.	650 MT/Year	-	650 MT/Year
9.	Schedule-I Category- 35.1 Filler & Filter Material	Collection, Storage, transportation & disposal by incineration on-site OR off-site.	20000 Nos./Year	-	20000 Nos./Year

(Signature)

Outward No: 490283/2019

10	Schedule-I Category- 36.2 Incinerator Ash	Collection, Storage, Transportation & disposal to TSDF	100 MT/Year	--	100 MT/Year
11	Schedule-I Category- 28.4 & 28.5 Off Specification Product/Date Expired Product	Collection, Storage, transportation & disposal by incineration within premises or at CHWT	So ever Granted	--	So ever Granted
12	Schedule-I Category- 29.2 Evaporation Salt	Collection, Storage, Transportation & disposal to TSDF	450 MT/Year	--	450 MT/Year

6.4 Unit shall comply with Spent Solvent guideline of CPCB and Board; also shall obtain permission in future if recommended by MoEF and CC.

6.5 The authorisation shall be valid for a period of **19/10/2021**.

6.6 The authorisation is subject to the following general and specific conditions (Please specify any conditions that need to be imposed over and above general conditions, if any).

7. GENERAL CONDITIONS OF AUTHORISATION:

7.1 The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under

7.2 The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by this Board

7.3 The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.

7.4 Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorization

7.5 The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation 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.

7.6 The person authorised 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"

7.7 It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility

7.8 The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.

7.9 The record of consumption and fate of the imported hazardous and other wastes shall be maintained.

7.10 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 authorisation.

7.11 The importer or exporter shall bear the cost of import or export and mitigation of damages if any

Outward No. 2028/2019

- 7.12 An application for the renewal of an authorisation shall be made as laid down under these Rules.
- 7.13 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.
- 7.14 Annual return shall be filed by June 30th for the period ensuring 31st March of the year.

For and on behalf of
Gujarat Pollution Control Board


(V. D. Rakholia)
Unit Head-Godhra

NO.GPCB/CCA-PN-3(16)/ID:18788/

DATE: 01/01/2019

ISSUED TO:

ALEMBIC PHARMACEUTICAL LTD. (API DIV. PLANT- I) (OLD NAME: ALEMBIC LTD.)
Plot NO: S. no: 119,121,132,133,
VILL: PANELAV, PO: TAJPURA,
TAL: HALOL, DIST: PANCHMAHAL.

Outward No: 490283, 03/01/2019

CC&A Corrected Hazardous Waste



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN
Sector-10-A, Gandhinagar 382 010
Phone : (079) 23222425
(079) 23232152
Fax : (079) 23232156
Website : www.gpcb.gov.in

By R.P.A.D.

Corrected Order

In exercise of the power conferred under Section - 25 of the Water (Prevention and Control of Pollution) Act - 1974, under Section - 21 of the Air (Prevention and Control of Pollution) Act - 1981 and Authorization under Rule - 6 of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules - 2016 framed under E (r) Act - 1986.

And whereas Board has received consolidated application letter No. 14054, dated : 20/10/2018 for the consolidated consent and authorization (CC&A - AMENDMENT) of this Board under the provisions / rules of the aforesaid Acts Consent & Authorization is hereby granted as under.

CONSENT AND AUTHORISATION :

(Under the provisions / rules of the aforesaid environmental acts)

To,

Alembic Pharmaceutical Ltd. (ID : 18788),
(Api Div. Plant-I) (Old Name : Alembic Ltd.),
Plot No. Sr. No. 119, 121, 132, 133,
Village : Panelav, Po : Tajpura,
Taluka : Halol,
Dist. : Panchmahal.

1. Consent Order No. H - 98124, Date of issue : 20/10/2018, validity period of the order will be up to 19/10/2021.
2. Condition No. 2 (Product details) shall be remain unchanged after this amendment.
3. **CONDITION UNDER THE WATER ACT :**
 - 3.1 The generation of Industrial effluent from the manufacturing process & other ancillary industrial operations shall not exceed to **195 KL/Day, after expansion.**
 - 3.2 The quantity of domestic waste water (Sewage) shall not exceed to **50 KL/Day.**
 - 3.3 Industrial waste water + Domestic waste water (195 KL/Day + 50 KL/Day = 245 KL/Day) shall be treated in ETP + R.O.
 - 3.4 Out of 245 KL/Day, 237.5 KL/Day is R.O. permeate which reused in plant (210 KL/Day) and in gardening (27.5 KL/Day) within factory premises. Where 5 KL/Day will be recovered solvent & 2.5 KL/Day will be MEE concentrate.
 - 3.5 MEE concentrate shall be treated in ATFD.
4. **CONDITIONS UNDER THE AIR ACT:**
 - 4.1 There shall be no change in existing fuel gas and process gas emission after this amendment & it shall remain unchanged.

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5. AUTHORISATION FOR THE MANAGEMENT & HANDLING OF HAZARDOUS WASTES, Form - 2 [See Rule 6(2)].

5.1 Number of authorisation and date of issue : H - 98124, Date of issue : 20/10/2018.

5.2 Reference of application Inward No. 145054, dated 20/10/2018.

An application of Alembic pharmaceutical Ltd. (API Div. Plant-I) (OLD name: Alembic Ltd.) is hereby granted an authorisation based on the enclosed signed inspection report for generation, collection, reception, storage, reuse, recycling, disposal by selling to authorized recycler or any other use of hazardous or other wastes or both on the premises situated at Plot No. S. No. 119, 121, 132, 133, Village : Panelav, PO: Tajpura, Taluka : Halol, Dist. : Panchmahal.

Details of Authorisation

Sr. No.	Hazardous Waste	Schedule & Category	Existing Quantity	Proposed Quantity	Total Quantity	Facility
1.	Used Oil	I - 5.1	7.96 KL/Year	---	7.96 KL/Year	Collection, Storage, Transportation and Disposal by selling to authorized recycler.
2.	Spent solvent	I - 28.6	1,500 KL/Year	10,500 KL/Year	12,000 KL/Year	1,500 KL/Year for offsite recovery or incineration at CHWIF or co-processing AND 10,500 KL/Year for onsite utilization of spent solvent by distillation at process solvent recovery plants 2 and 3.
3.	Process Residue and Waste	I - 28.1	360 KL/Year	---	360 KL/Year	Collection, Storage, Transportation & disposal by incineration at CHWI or send for Co-processing.
4.	Spent Mother Liquor	I - 28.1	30,600 KL/Year	---	30,600 KL/Year	Collection, Storage, onsite treatment in MEE dryer & Incineration OR Transportation & disposal by incineration at CHWI or send for Co-processing.
5.	Spent Carbon & Hy-flow	I - 28.3	180 KL/Year	---	180 KL/Year	Collection, Storage, Transportation & disposal by incineration at CHWI or send for Co-processing.
6.	Discarded Drums	I - 33.1	40,000 No's/Year	---	40,000 No's/Year	Collection, Storage, decontamination & reuse or sale to authorized recycler.
7.	ETP sludge	I - 35.3	650 MT/Year	---	650 MT/Year	Collection, Storage, transportation & disposal to TSDF Site.

8.	Filler & Filter Material	1 - 36.2	20,000 No's/Year	---	20,000 No's/Year	Collection, Storage, transportation & disposal by incineration on-site OR off-site.
9.	Incinerator Ash	1 - 37.2	100 MT/Year	---	100 MT/Year	Collection, Storage, transportation & disposal to TSDF Site.
10.	Off Specification Product / Date Expired Product	1 - 28.4 & 28.5	So ever Granted	---	So ever Granted	Collection, Storage, transportation & disposal by incineration within premises or at CHWL.
11.	Evaporation Salt	1 - 37.3	450 MT/Year	---	450 MT/Year	Collection, Storage, transportation & disposal TSDF Site.
12.	Waste or Residues containing Oil (Oil Swabbed Cotton)	1 - 5.2	---	0.50 MT/Year	0.50 MT/Year	Collection, Storage, Transportation & disposal by incineration at CHWL.

- 5.3 E - Waste shall be disposed off as per provisions of E - Waste (Management) Rules, 2016.
- 5.4 Unit shall comply with Spent Solvent guideline of CPCB and GPCB, also unit shall obtain permission in future if recommended by MOEF&CC.
- 5.5 The authorisation shall be valid up to 19/10/2021.
- 5.6 The authorisation is subject to the following general and specify conditions (Please specify any conditions that need to be imposed over and above general conditions, if any):

6. GENERAL CONDITIONS OF AUTHRISATION :

- 6.1 The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
- 6.2 The authorization or its renewal shall be produced for inspection at the request of an officer authorised by this Board.
- 6.3 The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other waste except what is permitted through this Authorisation.
- 6.4 Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his Authorization.
- 6.5 The Person Authorised shall implement Emergency Response Procedure (ERP) for which this Authorisation 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.
- 6.6 The person authorised shall comply with the provisions outlined in the State Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty"
- 6.7 It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- 6.8 The imported Hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.

- 6.9 The record of consumption and fate of the imported Hazardous and other waste shall be maintained.
- 6.10 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 authorisation.
- 6.11 The importer or exporter shall bear the cost of import or export mitigation of damages if any.
- 6.12 An application for the renewal of an authorisation shall be made as laid down under these Rules.
- 6.13 Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change of Central Pollution Control Board from time to time.
- 6.14 Annual return shall be filed by June 30th for the period ensuring 31st March of the year.

For and on behalf of
Gujarat Pollution Control Board



(V. D. Rakholia)
Unit Head - Godhra
Date: 16 /01/2020

No. GPCB/CCA-PN-3(16)/ID:18788/551410

ISSUED TO:

Alembic Pharmaceutical Ltd. (ID : 18788),
(Api Div. Plant-I) (Old Name : Alembic Ltd.),
Plot No. Sr. No. 119, 121, 132, 133,
Village : Panelav, Po : Tajpura,
Taluka : Halol,
Dist. : Panchmahal.

CC&A Amendment

**GUJARAT POLLUTION CONTROL BOARD**

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar 382 010

Phone : (079) 23222425

(079) 23232152

Fax : (079) 23232156

Website : www.gpcb.gov.in

By R.P.A.D.

AMENDMENT OF CONSOLIDATED CONSENT AND AUTHORIZATION (C C & A)

No: GPCB/CCA-PN-3(17)/ID:18788/5577359

Date: 17/03/2020

To,

M/s. Alembic Pharmaceutical Ltd. (Api Div. Plant I) (ID : 18788)

✓ Survey No. 119, 121, 132 & 133,

Village : Panelav, PO : Tajpura,

Taluka : Halol,

Dist. : Panchmahal.

Sub : Amendment of Consolidated Consent and Authorization (CC&A) of this Board under the provisions of the Water (Prevention and Control of Pollution) Act - 1974, the Air (Prevention and Control of Pollution) Act - 1981 and the Hazardous and Other Wastes (Management and Transboundary Movement) Rules - 2016, framed under the Environment (Protection) Act - 1986.

- Ref :**
1. CCA Amendment Order No. H - 98124, issued vide letter No. GPCB/CCA-PN-3(16)/ID:18788/551410, Dated : 16/01/2020, which is valid up to 19/10/2021.
 2. CCA No. AWH - 85696, issued vide letter No. GPCB/CCA-PN-3(15)/ID:18788/413925, Dated : 01/06/2017.
 3. CTE Amendment - 107215, issued vide letter No. GPCB/CCA-PN-3(17)/ID:18788/557335, Dated : 13/03/2020.
 4. CTE Amendment - 98123, issued vide letter No. GPCB/CCA-PN-3(16)/ID:18788/490287, Dated : 03/01/2019.
 5. Your CCA - Amendment Application Inward ID : 174790, Dated : 16/03/2020.

Sir,

The Board has granted Consolidated Consent Order CCA Amendment Order No. AWH - 85696, issued vide letter No. GPCB/CCA-PN-3(15)/ID:18788/413925, Dated : 01/06/2017 is amended as under :

1. The above referred CC&A order is amended as order No. AH-107327, Date of issue : 17/03/2020 and validity period up to 19/10/2021.

4. **CONDITIONS UNDER AIR ACT 1981 :**

- The condition No. 4.1, 4.2.1 & 4.2.2 of the above said CCA AWH- 85696 order is amended as under :



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4.1 The following shall be used as fuel in addition to existing as under :

Sr. No.	FUEL	Additional Quantity
1.	HSD/M.DO in 3 No's of DG Sets (Cap. 1500 KVA) & Fire Diesel generator Set.	10.8 KL/Day

4.2.1 The flue gas emission through various stacks / vents of reactors, processes, vessels shall conform to the following standards in addition to existing.

Sr. No.	Stack Attached to	Stack Height in meters From G.L.	Parameters.	Permissible Limit
1.	3 No's of D.G. Sets (Cap. 1500 KVA of each) (Additional)	As per condition No. 4.2.1 (a)	NOx (as NO ₂) (at 15% O ₂), dry basis	360 ppmv
			NMHC (as C) (at 15% O ₂)	100 mg/Nm ³
2.	Fire Diesel Generator Set (Additional)	As per condition No. 4.2.1 (a)	PM (at 15% O ₂)	75 mg/Nm ³
			CO (at 15% O ₂)	150 mg/Nm ³
			Sulphur Content in fuel	< 4%

• **D.G. Set Standards :**

- The flue gas emission through stack attached to D.G. Set shall conform to the following standards:
 - a) The minimum height of stack to be provided with each of the generator set shall be $H-h+0.2(KVA)^{1/2}$, where H = Total stack height in meter, h = height of the Building in meters where or by the side of which the generator set is installed.
 - b) Noise from D.G. set shall be controlled by providing an acoustic enclosure or by treating the room acoustically, at the users end.
 - c) The acoustic enclosure or acoustic treatment of the room shall be designed for minimum 25 dB(A) insertion loss or for meeting the ambient noise standards, whichever is on the higher side (if the actual ambient Noise is on the higher side, it may not be possible to check the performance of the acoustic enclosure/ acoustic treatment. Under such circumstances the performance may be checked for Noise reduction up to actual ambient noise level, preferably, in the night time). The measurement for insertion loss may be done at different points at 0.5 m from the acoustic enclosure/room, and the averaged.
 - d) The D.G. Set shall be provided with proper exhaust muffler with insertion loss of minimum 25 dB(A).
 - e) All efforts shall be made to bring down the noise level due to the D.G. Set, outside the premises, within the ambient noise requirements by proper siting and control measures.
 - f) Installation of a D.G. Set must be strictly in compliance with the recommendations of the D.G. Set manufacturer.
 - g) A proper routine and preventive maintenance procedure for the D.G. Set should be set and followed in consultation with the D.G. Set

- 4.2.2 The process emission through various stacks / vents of reactors, processes, vessels shall conform to the following standards in addition to Existing as under :

Sr. No.	Stack attached to	Stack height in (m) From G.L.	Air Pollution Control Measures	Parameter	Permissible limit
1.	Reaction Vessels No. 1 in Plant - 8 (Additional)	12.00	Alkali Scrubber, Chilled Water Circulation & Acidic Solution	HCl Cl ₂ NH ₃	20 mg/NM ³ 9 mg/NM ³ 175 mg/NM ³
2.	Reaction Vessels No. 1 in Plant - 8 (Additional)	12.00	Alkali Scrubber	HCl Cl ₂	20 mg/NM ³ 9 mg/NM ³

- The condition No. 5.2 of the above said CCA H - 98124 order is amended as under :

5.2 Details of Authorization in addition to Existing as under :

Sr. No.	Hazardous Waste	Category of Hazardous Waste	Existing Quantity	Proposed Quantity	Total Quantity	Disposal
1.	Waste Residue Containing Oil (Oil Swabbed Cotton)	1 - 5.2	0.50 MT/Yr.	- 0.50 MT/Yr.	NIL	Collection, storage, Transportation and disposal by Incineration at CHWL.
2.	Contaminated cotton rags or other cleaning Materials (Oil Swabbed Cotton)	1 - 33.2	---	0.50 MT/Yr.	0.50 MT/Yr.	Collection, storage, Transportation and disposal by Incineration at CHWL.

- The other conditions of the said Consolidated Consent and Authorization (CC&A) Order No. AWH- 85696, issued vide letter No. GPCB/CCA-PN-3(15)/ID:18788/413925, Dated : 01/06/2017 & H - 98124, issued vide letter No. GPCB/CCA-PN-3(16)/ID:18788/551410, Dated : 16/01/2020 shall remain unchanged.

For and on behalf of
Gujarat Pollution Control Board



(V. D. Rakholia)
Unit Head - Godhra

Product Mix CC&A



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar 382 010

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Website : www.gpcb.gov.in

By R.P.A.D.

AMENDMENT OF CONSOLIDATED CONSENT AND AUTHORIZATION (C C & A)

No: GPCB/CCA-PN-3(17)/ID:18788/ 559019

Date: 17/04/2020

To,

M/s. Alembic Pharmaceutical Ltd. (Api Div. Plant I) (ID: 18788)

Survey No. 119, 121, 132 & 133,

Village: Panchav, PO: Tajpura,

Taluka: Halol,

Dist.: Panchmahal.

Sub : Amendment of Consolidated Consent and Authorization (CC&A) of this Board under the provisions of the Water (Prevention and Control of Pollution) Act - 1974, the Air Prevention and Control of Pollution) Act - 1981 and the Hazardous and Other Wastes (Management and Transboundary Movement) Rules - 2016, framed under the Environment (Protection) Act - 1986.

- Ref :**
1. CCA Amendment Order No. AH - 107327, issued vide letter No. GPCB/CCA-PN-3(17)/ID:18788/557738, Dated: 17/03/2020, which is valid up to 19/10/2021.
 2. CCA No. AWH - 85696, issued vide letter No. GPCB/CCA-PN-3(15)/ID:18788/413925, Dated: 01/06/2017.
 3. CTE Amendment - 107735, issued vide letter No. GPCB/CCA-PN-3(17)/ID:18788/558701, Dated: 08/04/2020.
 4. Your CCA - Amendment Application Inward ID: 175693, Dated: 11/04/2020.

Sir,

The Board has granted Consolidated Consent Order CCA Amendment Order No. AWH - 85696, issued vide letter No. GPCB/CCA-PN-3(15)/ID:18788/413925, Dated: 01/06/2017 is amended as under:

1. The above referred CC&A order is amended as order No. AWH-107818 Date of issue: 16/04/2020 and validity period up to 10/04/2021.
2. In the list of following products addressing to ailments related to Novel Corona Virus (COVID-19) shall be added in Existing as :

Sr. No.	Products
1.	CANDERSARTAN CILEXETIL
2.	LOSARTAN POTASSIUM
3.	BUPROPIONE
4.	APIXABAN
5.	ERYTHROMYCIN

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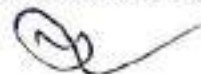
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- Following products from existing products shall be discontinued.

Sr. No.	Products
1.	ALENDRONATE SODIUM
2.	TOPIRAMATE
3.	PENTOSAN POLYSULPHATE SODIUM
4.	LEVETIRACETAM
5.	AZILSARTAN
6.	DERIFENACIN
7.	WARFARIN CLATHRATE
8.	BAZEDOXIFENE
9.	BOSENTAN
10.	DRONEDARONE
11.	DABIGATRAN
12.	RIVAROXABAN
13.	ASENAPINE
14.	SILOSODINE
15.	ZOLMITRIPTAN
16.	AGOMELATINE
17.	TICAGRELOR
18.	METAXALON
19.	TERIFLUNOMIDE
20.	NISOLDIPINE
21.	MINODRONIC ACID
22.	ERLOTINIB
23.	GEFITINIB

- The total quantity of products shall be read as 100MT/Month in place of 75MT/Month.
- The other conditions of the said Consolidated Consent and Authorization (CC&A) Order No. AWH-85696, issued vide letter No. GPCB/CCA-PN-3(15)/ID:18788/413925, Dated : 01/06/2017 & AH - 107327, issued vide letter No. GPCB/CCA-PN-3(17)/ID:18788/557738, Dated : 17/03/2020 shall remain unchanged.

For and on behalf of
Gujarat Pollution Control Board



(V. D. Rakholia)
Unit Head – Godhra

ANNEXURE 13: Analysis Reports of Noise Monitoring



TEST REPORT
(AMBIENT NOISE LEVEL)
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20211414
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol,	Report Date:	20/07/2020
	Dist: Panchmahal	Monitoring Date:	07/07/2020
Authorised Person:	Mr. Kalpesh Padaria	Monitored By:	Mayur
Category of Area/Zone:	A		
Predominant Sources:	General Industrial Activity		
Field Observation:	Wind Speed: 13.0 KMPH Wind Direction: W-E		
Monitoring Method:	Protocol for Ambient Level Noise Monitoring, CPCB		

SN	Station	Start Date	Start Time	End Date	End Time	Time Duration	NOISE LEVEL dB(A) Leq
1	Opp. Utility Plant	07/07/2020	10:35:00	07/07/2020	22:00:00	11:25:00	71.62
2	Opp. Utility Plant	07/07/2020	22:00:00	08/07/2020	06:00:00	08:00:00	69.88
3	Material Gate	08/07/2020	11:00:00	08/07/2020	11:05:00	00:05:00	66.54
4	Between Plant & Solvent Area	08/07/2020	11:15:00	08/07/2020	11:20:00	00:05:00	61.88
5	Near Plant 7	08/07/2020	11:30:00	08/07/2020	11:35:00	00:05:00	63.24
6	Near Incinerator	08/07/2020	11:45:00	08/07/2020	11:50:00	00:05:00	68.92

The Noise Pollution (Regulation & Control) Rules 2000**Ambient Air Quality Standards in respect of Noise**

Area Code	Category of Area/Zone	Limits in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

1. Day time shall mean from 6:00 am to 10:00 pm

2. Night time shall mean from 10:00 pm to 6:00 am

3. Silence zone is an area comprising not less than 100 metres around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority

4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority

A "decibel" is a unit in which noise is measured

"A", in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear

Leq : It is an energy mean of the noise level, over a specified period

dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing

Remarks:

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

Note:

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TEST REPORT
(SOURCE NOISE LEVEL)
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20211415
Location:	Vit: Panelav, P.O. Talpura, Tal: Hald,	Report Date:	20/07/2020
	Dist: Panchmahal	Monitoring Date:	08/07/2020
Authorised Person:	Mr. Kalpesh Padaria	Monitored By:	Mayur

SN	Station	Start Date	Start Time	End Date	End Time	Time Duration	NOISE LEVEL dB(A) Leq
1	DG Set - 4 (1500 kVA) with enclosure	08/07/2020	13:00:00	08/07/2020	13:05:00	00:05:00	73.47
2	DG Set - 4 (1500 kVA) without enclosure	08/07/2020	13:10:00	08/07/2020	13:15:00	00:05:00	100.87
3	Plant-2 Utility Area	08/07/2020	13:25:00	08/07/2020	13:30:00	00:05:00	86.92
4	Plant-7 Utility Area	08/07/2020	13:40:00	08/07/2020	13:45:00	00:05:00	83.46
5	Plant-8 Utility Area	08/07/2020	14:00:00	08/07/2020	14:05:00	00:05:00	88.18
6	Utility Area Near Compressor	08/07/2020	14:15:00	08/07/2020	14:20:00	00:05:00	89.04

Permissible Exposure in cases of Continuous Noise (as prescribed in Factories Act, 1948)		Permissible Exposure Level for Impulsive or Impact Noise	
Total time of exposure (continuous or a number of short terms exposure) per day, in hours	Sound Pressure Level in dB (A)	Peak Sound Pressure Level in dB	Permitted number of impulse or impact per day
8	90	140	100
6	92	135	315
4	95	130	1000
3	97	125	3160
2	100	120	10000
1 1/2	102	1. No exposure in excess of 140 dB peak sound pressure level is permitted	
1	105		
3/4	107		
1/2	110		
1/4	115		
1. No exposure in excess of 115 dB(A) is to be permitted			
2. For any period of exposure between any figure and the next higher or lower figure as indicated in column1, the permissible sound pressure level is to be determined by extrapolation on proportionate basis			

Remarks:

Checked By: G. M. Desai (Lab In-charge)

Authorised Signatory: Krishna Desai (Partner)

Note:

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**TEST REPORT
(AMBIENT NOISE LEVEL)
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20212278
Location:	Vill: Panelav, P. O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	26/08/2020
Authorised Person:	Mr. Kalpesh Padaria	Monitoring Date:	17/08/2020
Category of Area/Zone:	A	Monitored By:	Mayur
Predominant Sources:	General Industrial Activity		
Field Observation:	Wind Speed: 8.0 KMPH Wind Direction: SW-NE		
Monitoring Method:	Protocol for Ambient Level Noise Monitoring, CPCB		

SN	Station	Start Date	Start Time	End Date	End Time	Time Duration	NOISE LEVEL dB(A) Leq
1	Material Gate	17/08/2020	10:20:00	17/08/2020	22:00:00	11:40:00	64.07
2	Material Gate	17/08/2020	22:00:00	18/08/2020	06:00:00	08:00:00	58.42
3	Between Plant & Solvent Area	18/08/2020	11:05:00	18/08/2020	11:10:00	00:05:00	62.16
4	Opp. Utility Plant	18/08/2020	11:20:00	18/08/2020	11:25:00	00:05:00	70.68
5	Near Plant 7	18/08/2020	11:35:00	18/08/2020	11:40:00	00:05:00	67.54

**The Noise Pollution (Regulation & Control) Rules 2000
Ambient Air Quality Standards in respect of Noise**

Area Code	Category of Area/Zone	Limits in dB (A) Leq	
		Day Time	Night Time
		75	70
A	Industrial Area	65	55
B	Commercial Area	55	45
C	Residential Area	50	40
D	Silence Zone		

1. Day time shall mean from 6:00 am to 10:00 pm
2. Night time shall mean from 10:00 pm to 6:00 am

3. Silence zone is an area comprising not less than 100 metres around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority

4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

A "decibel" is a unit in which noise is measured

"A", in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear

Leq: It is an energy mean of the noise level, over a specified period

dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is reliable to human hearing

Remarks:

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

Note:

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**TEST REPORT
(SOURCE NOISE LEVEL)
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20212279
Location:	Vill. Panelav, P.O. Talpura, Tal. Halol, Dist. Panchmahal	Report Date:	26/08/2020
Authorised Person:	Mr. Kapesh Padana	Monitoring Date:	18/08/2020
		Monitored By:	Mayur

SN	Station	Start Date	Start Time	End Date	End Time	Time Duration	NOISE LEVEL dB(A) Leq
1	DG Set - 2 (1500 kVA) with encloser	18/08/2020	14:10:00	18/08/2020	066319444	01:45:00	74.54
2	DG Set - 4 (1500 kVA) without encloser	18/08/2020	14:20:00	18/08/2020	14:25:00	00:05:00	101.62
3	Plant-2 Utility Area	18/08/2020	14:30:00	18/08/2020	14:35:00	00:05:00	85.43
4	Plant-7 Utility Area	18/08/2020	14:40:00	18/08/2020	14:45:00	00:05:00	89.31
5	Plant-8 Utility Area	18/08/2020	14:50:00	18/08/2020	14:55:00	00:05:00	88.04
6	Utility Area Near Compressor	18/08/2020	15:00:00	18/08/2020	15:05:00	00:05:00	88.96

Permissible Exposure in cases of Continuous Noise (as prescribed in Factories Act, 1948)		Permissible Exposure Level for Impulsive or Impact Noise	
Total time of exposure (continuous or a number of short terms exposure) per day, in hours	Sound Pressure Level in dB (A)	Peak Sound Pressure Level in dB	Permitted number of impulse or impact per day
8	90	140	100
6	92	135	315
4	95	130	1000
3	97	125	3160
2	100	120	10000
1 1/2	102	1. No exposure in excess of 140 dB peak sound pressure level is permitted	
1	105		
3/4	107		
1/2	110		
1/4	115		
1. No exposure in excess of 115 dB(A) is to be permitted			
2. For any period of exposure between any figure and the next higher or lower figure as indicated in column1, the permissible sound pressure level is to be determined by extrapolation on proportionate basis			

Remarks:

Checked By: G. M. Desai (Lab in-charge)

Authorised Signatory: Krishna Desai (Partner)

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TEST REPORT
(AMBIENT NOISE LEVEL)
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20212786
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	17/09/2020
Authorized Person:	Mr. Kalpesh Padaria	Monitoring Date:	09/09/2020
Category of Area/Zone:	A	Monitored By:	Satyendra
Predominant Sources:	General Industrial Activity		
Field Observation:	Wind Speed: 6.0 KMPH Wind Direction: S→N		
Monitoring Method:	Protocol for Ambient Level Noise Monitoring, CPCB		

SN	Station	Start Date	Start Time	End Date	End Time	Time Duration	NOISE LEVEL dB(A) Leq
1	Near Plant 8	09/09/2020	10:15:00	09/09/2020	22:00:00	11:45:00	62.73
2	Near Plant 8	09/09/2020	22:00:00	10/09/2020	06:00:00	08:00:00	59.82
3	Main Gate	10/09/2020	11:35:00	10/09/2020	11:40:00	00:05:00	64.82
4	Opp. Utility Plant	10/09/2020	11:50:00	10/09/2020	11:55:00	00:05:00	71.93
5	Opp. Plant 7	10/09/2020	12:05:00	10/09/2020	12:10:00	00:05:00	67.12
6	Near ETP Aeration Tank	10/09/2020	12:20:00	10/09/2020	12:25:00	00:05:00	70.34

The Noise Pollution (Regulation & Control) Rules 2000
Ambient Air Quality Standards in respect of Noise

Area Code	Category of Area/Zone	Limits in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

1. Day time shall mean from 6:00 am to 10:00 pm

2. Night time shall mean from 10:00 pm to 6:00 am

3. Silence zone is an area comprising not less than 100 metres around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority

4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

A "decibel" is a unit in which noise is measured

"A", in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear

Leq: It is an energy mean of the noise level, over a specified period

dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing

Remarks:

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

Note:

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**TEST REPORT
(SOURCE NOISE LEVEL)
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20212787
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	17/09/2020
Authorised Person:	Mr. Kalpesh Padaria	Monitoring Date:	10/09/2020
		Monitored By:	Satyendra

SN	Station	Start Date	Start Time	End Date	End Time	Time Duration	NOISE LEVEL dB(A) Leg
1	DG Set - 2 (1500 kVA) with enclosure	10/09/2020	11:55:00	10/09/2020	12:00	00:05:00	72.92
2	DG Set - 4 (1500 kVA) without enclosure	10/09/2020	12:05:00	10/09/2020	12:10:00	00:05:00	99.06
3	Plant-2 Utility Area	10/09/2020	12:15:00	10/09/2020	12:20:00	00:05:00	86.22
4	Plant-7 Utility Area	10/09/2020	12:25:00	10/09/2020	12:30:00	00:05:00	84.92
5	Plant-8 Utility Area	10/09/2020	12:35:00	10/09/2020	12:40:00	00:05:00	83.10
6	Utility Area Near Compressor	10/09/2020	12:45:00	10/09/2020	12:50:00	00:05:00	85.36

Permissible Exposure in cases of Continuous Noise (as prescribed in Factories Act, 1948)		Permissible Exposure Level for Impulsive or Impact Noise	
Total time of exposure (continuous or a number of short terms exposure) per day, in hours	Sound Pressure Level in dB (A)	Peak Sound Pressure Level in dB	Permitted number of impulse or impact per day
8	90	140	100
6	92	135	315
4	95	130	1000
3	97	125	3160
2	100	120	10000
1 1/2	102	1. No exposure in excess of 140 dB peak sound pressure level is permitted	
1	105		
3/4	107		
1/2	110		
1/4	115		
1. No exposure in excess of 115 dB(A) is to be permitted			
2. For any period of exposure between any figure and the next higher or lower figure as indicated in column1, the permissible sound pressure level is to be determined by extrapolation on proportionate basis			

Remarks:

Checked By: G. M. Desai (Lab in-charge)

Authorised Signatory: Krishna Desai (Partner)

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**TEST REPORT
(AMBIENT NOISE LEVEL)
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20213538
Location:	Vill: Panelav, P.O. Tajpura, Tal: Haldol, Dist: Panchmahal	Report Date:	29/10/2020
Authorised Person:	Mr. Kalpesh Padaria	Monitoring Date:	20/10/2020
Category of Area/Zone:	A	Monitored By:	Kiran
Predominant Sources:	General Industrial Activity		
Field Observation:	Wind Speed: 6.0 KMPH Wind Direction: N→S		
Monitoring Method:	Protocol for Ambient Level Noise Monitoring, CPCB		

SN	Station	Start Date	Start Time	End Date	End Time	Time Duration	NOISE LEVEL dB(A) Leq
1	Near Plant 7	20/10/2020	10:10:00	20/10/2020	22:00:00	11:50:00	64.06
2	Near Plant 7	20/10/2020	22:00:00	21/10/2020	06:00:00	08:00:00	59.34
3	Main Gate	21/10/2020	11:15:00	21/10/2020	11:20:00	00:05:00	67.95
4	Opp. Utility Plant	21/10/2020	11:25:00	21/10/2020	11:30:00	00:05:00	71.36
5	Near Plant 8	21/10/2020	11:35:00	21/10/2020	11:40:00	00:05:00	66.12

The Noise Pollution (Regulation & Control) Rules 2000
Ambient Air Quality Standards in respect of Noise

Area Code	Category of Area/Zone	Limits in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

1. Day time shall mean from 6:00 am to 10:00 pm
 2. Night time shall mean from 10:00 pm to 6:00 am
 3. Silence zone is an area comprising not less than 100 metres around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority
 4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.
- A "decibel" is a unit in which noise is measured
"A", in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear
Leq : It is an energy mean of the noise level, over a specified period
dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relative to human hearing

Remarks:

Checked By: G. M. Desai (Lab in-charge) *[Signature]* Authorized Signatory: Krishna Desai (Partner) *[Signature]*

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TEST REPORT
(SOURCE NOISE LEVEL)
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20213539
Location:	Vill: Panelav, P.O. Talpura, Tal: Halol, Dist: Panchmahal	Report Date:	29/10/2020
Authorised Person:	Mr. Kalpesh Padaria	Monitoring Date:	21/10/2020
		Monitored By:	Kiran

SN	Station	Start Date	Start Time	End Date	End Time	Time Duration	NOISE LEVEL dB(A) Leq
1	DG Set - 4 (1500 kVA) with enclosure	21/10/2020	12:00:00	21/10/2020	12:05:00	00:05:00	74.62
2	DG Set - 4 (1500 kVA) without enclosure	21/10/2020	12:15:00	21/10/2020	12:20:00	00:05:00	101.12
3	Plant-2 Utility Area	21/10/2020	12:30:00	21/10/2020	12:35:00	00:05:00	84.52
4	Plant-7 Utility Area	21/10/2020	12:45:00	21/10/2020	12:50:00	00:05:00	83.91
5	Plant-8 Utility Area	21/10/2020	13:00:00	21/10/2020	13:05:00	00:05:00	84.78
6	Utility Area Near Compressor	21/10/2020	13:15:00	21/10/2020	13:20:00	00:05:00	86.29

Permissible Exposure in cases of Continuous Noise (as prescribed in Factories Act, 1948)		Permissible Exposure Level for Impulsive or Impact Noise	
Total time of exposure (continuous or a number of short terms exposure) per day, in hours	Sound Pressure Level in dB (A)	Peak Sound Pressure Level in dB	Permitted number of impulse or impact per day
8	90	140	100
6	92	135	315
4	95	130	1000
3	97	125	3160
2	100	120	10000
1 1/2	102	1. No exposure in excess of 140 dB peak sound pressure level is permitted	
1	105		
3/4	107		
1/2	110		
1/4	115		
1. No exposure in excess of 115 dB(A) is to be permitted			
2. For any period of exposure between any figure and the next higher or lower figure as indicated in column1, the permissible sound pressure level is to be determined by extrapolation on proportionate basis			

Remarks:

Checked By: G. M. Desai (Lab in-charge) Authorised Signatory: Krishna Desai (Partner)

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**TEST REPORT
(AMBIENT NOISE LEVEL)
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214166
Location:	VII: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	20/11/2020
Authorized Person:	Mr. Kalpesh Padaria	Monitoring Date:	10/11/2020
Category of Area/Zone:	A	Monitored By:	Mayur
Predominant Sources:	General Industrial Activity		
Field Observation:	Wind Speed: 9.0 KMPH Wind Direction: NE→SW		
Monitoring Method:	Protocol for Ambient Level Noise Monitoring, CPCB		

SN	Station	Start Date	Start Time	End Date	End Time	Time Duration	NOISE LEVEL dB(A) Leq
1	Main Gate	10/11/2020	11:10:00	10/11/2020	22:00:00	10:50:00	69.48
2	Main Gate	10/11/2020	22:00:00	11/11/2020	06:00:00	08:00:00	64.14
3	Material Gate	11/11/2020	11:10:00	11/11/2020	11:15:00	00:05:00	70.24
4	Opp. Utility Plant	11/11/2020	11:20:00	11/11/2020	11:25:00	00:05:00	73.45
5	Between Plant 8 & Solvent Storage	11/11/2020	11:30:00	11/11/2020	11:35:00	00:05:00	70.10

**The Noise Pollution (Regulation & Control) Rules 2000
Ambient Air Quality Standards in respect of Noise**

Area Code	Category of Area/Zone	Limits in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

1. Day time shall mean from 8:00 am to 10:00 pm

2. Night time shall mean from 10:00 pm to 6:00 am

3. Silence zone is an area comprising not less than 100 metres around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority

4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

A "decibel" is a unit in which noise is measured

"A", in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear

Leq : It is an energy mean of the noise level, over a specified period

dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing

Remarks:

Checked By: Binal Shah (Quality Manager)

Authorized Signatory: Krishna Desai (Partner)

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TEST REPORT
(SOURCE NOISE LEVEL)
CHEMICAL TESTING: ATMOSPHERIC POLLUTION

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214167
Location:	Vill: Panelav, P.O. Talpura, Tal: Halol, Dist: Panchmahal	Report Date:	20/11/2020
Authorised Person:	Mr. Kalpesh Padaria	Monitoring Date:	11/11/2020
		Monitored By:	Mayur

SN	Station	Start Date	Start Time	End Date	End Time	Time Duration	NOISE LEVEL dB(A) Leq
1	DG Set - 4 (1500 kVA) with encloser	11/11/2020	14:05:00	11/11/2020	14:10:00	00:05:00	73.24
2	DG Set - 4 (1500 kVA) without encloser	11/11/2020	14:20:00	11/11/2020	14:25:00	00:05:00	100.41
3	Plant-2 Utility Area	11/11/2020	14:35:00	11/11/2020	14:40:00	00:05:00	83.47
4	Plant-7 Utility Area	11/11/2020	14:50:00	11/11/2020	14:55:00	00:05:00	82.63
5	Plant-8 Utility Area	11/11/2020	15:05:00	11/11/2020	15:10:00	00:05:00	85.12
6	Utility Area Near Compressor	11/11/2020	15:20:00	11/11/2020	15:25:00	00:05:00	86.74

Permissible Exposure in cases of Continuous Noise (as prescribed in Factories Act, 1948)		Permissible Exposure Level for Impulsive or Impact Noise	
Total time of exposure (continuous or a number of short terms exposure) per day, in hours	Sound Pressure Level in dB (A)	Peak Sound Pressure Level in dB	Permitted number of impulse or impact per day
8	90	140	100
6	92	135	315
4	95	130	1000
3	97	125	3150
2	100	120	10000
1 1/2	102	1. No exposure in excess of 140 dB peak sound pressure level is permitted	
1	105		
3/4	107		
1/2	110		
1/4	115		
1. No exposure in excess of 115 dB(A) is to be permitted			
2. For any period of exposure between any figure and the next higher or lower figure as indicated in column1, the permissible sound pressure level is to be determined by extrapolation on proportionate basis			

Remarks:	
Checked By: Binal Shah (Quality Manager)	Authorised Signatory: Krishna Desai (Partner)

Note:
1. The above field of testing is not covered under the scope of NABL accreditation.
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Prakruti Environmental Engineers
 "PRAKRUTI" 3rd & 4th Floor, Next to Sansawani Distributory Canal,
 On Bi Road, Village Bi, Vadodra - 391 410, Gujarat, India
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**TEST REPORT
(AMBIENT NOISE LEVEL)
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214798
Location:	Vill: Panelav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	18/12/2020
Authorized Person:	Mr. Kaipesh Padaria	Monitoring Date:	09/12/2020
Category of Area/ Zone:	A	Monitored By:	Mayur
Predominant Sources:	General Industrial Activity		
Field Observation:	Wind Speed: 7 KMPH Wind Direction: N-E		
Monitoring Method:	Protocol for Ambient Level Noise Monitoring, CPCB		

SN	Station	Start Date	Start Time	End Date	End Time	Time Duration	NOISE LEVEL dB(A) Leq
1	Material Gate	09/12/2020	10:45:00	09/12/2020	22:00:00	11:15:00	67.92
2	Material Gate	09/12/2020	22:00:00	10/12/2020	06:00:00	08:00:00	59.45
3	Opp. Utility Plant	10/12/2020	11:00:00	10/12/2020	11:05:00	00:05:00	71.62
4	Nr. Plant 7	10/12/2020	11:15:00	10/12/2020	11:20:00	00:05:00	63.42
5	Between Plant 8 & Solvent Storage	10/12/2020	11:30:00	10/12/2020	11:35:00	00:05:00	62.10

**The Noise Pollution (Regulation & Control) Rules 2000
Ambient Air Quality Standards in respect of Noise**

Area Code	Category of Area/Zone	Limits in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

1. Day time shall mean from 6:00 am to 10:00 pm

2. Night time shall mean from 10:00 pm to 6:00 am

3. Silence zone is an area comprising not less than 100 metres around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority

4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

A "decibel" is a unit in which noise is measured

"A", in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear

Leq : It is an energy mean of the noise level, over a specified period

dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing

Remarks:

Checked By: G. M. Desai (Lab in-charge)

Authorized Signatory: Krishna Desai (Partner)

Note:

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End of Report



**TEST REPORT
(SOURCE NOISE LEVEL)
CHEMICAL TESTING: ATMOSPHERIC POLLUTION**

Customer:	Alembic Pharmaceuticals Limited (API-I)	Ref. No.:	20214799
Location:	Vill. Panekav, P.O. Tajpura, Tal: Halol, Dist: Panchmahal	Report Date:	18/12/2020
Authorised Person:	Mr. Kalpesh Padania	Monitoring Date:	10/12/2020
		Monitored By:	Sagar

SN	Station	Start Date	Start Time	End Date	End Time	Time Duration	NOISE LEVEL dB(A) Leq
1	OG Set - 2 (1500 kVA) with encloser	10/12/2020	11:35:00	10/12/2020	11:40:00	00:05:00	73.32
2	OG Set - 2 (1500 kVA) without encloser	10/12/2020	11:45:00	10/12/2020	11:50:00	00:05:00	89.62
3	Plant-2 Utility Area	10/12/2020	12:10:00	10/12/2020	12:15:00	00:05:00	81.24
4	Plant-7 Utility Area	10/12/2020	12:20:00	10/12/2020	12:25:00	00:05:00	79.19
5	Plant-8 Utility Area	10/12/2020	12:35:00	10/12/2020	12:40:00	00:05:00	84.52
6	Utility Area Near Compressor	10/12/2020	12:50:00	10/12/2020	12:55:00	00:05:00	85.79

Permissible Exposure in cases of Continuous Noise (as prescribed in Factories Act, 1948)		Permissible Exposure Level for Impulsive or Impact Noise	
Total time of exposure (continuous or a number of short terms exposure) per day, in hours	Sound Pressure Level in dB (A)	Peak Sound Pressure Level in dB	Permitted number of impulse or impact per day
8	90	140	100
6	92	136	315
4	95	130	1000
3	97	125	3160
2	100	120	10000
1 1/2	102	1. No exposure in excess of 140 dB peak sound pressure level is permitted	
1	105		
3/4	107		
1/2	110		
1/4	115		
1. No exposure in excess of 115 dB(A) is to be permitted			
2. For any period of exposure between any figure and the next higher or lower figure as indicated in column1, the permissible sound pressure level is to be determined by extrapolation on proportionate basis			

Remarks:

Checked By: G M Desai (Lab in-charge)

Authorised Signatory: Krishna Desai (Partner)

Note:

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ANNEXURE 14: Details of ZLD system

Company's industrial effluent is categorised under low COD and high COD streams from manufacturing plants. Effluent generated from the manufacturing process, being treated in the conventional Effluent Treatment Plant (ETP) followed by Reverse Osmosis (RO) treatment and High Pressure Reverse Osmosis (HPRO) system. Moreover, RO permeate is further treated in Spiral Wound Reverse Osmosis (SWRO) for polishing. Furthermore, RO permeate water is 100% recycled in Boiler feed water and cooling tower make-up. In turn, RO reject fed into Multiple Effect Evaporator (MEE).

High COD content effluent sent to Stripper, mixed solvent is stripped out from the top, spent solvent recovered from stripper is sold to authorised recycler and stripper bottom fed to MEE blending with RO reject. MEE concentrate goes to Agitated thin film dryer (ATFD) and MEE condensate fed to conventional ETP for further treatment.

Sludge generated from the conventional ETP and salt generated from ATFD, sent to the State Pollution Control Board (SPCB) authorized treatment, storage, and disposal facility (TSDF). Residue and spent carbon generated from the process is sent for co-processing to Cement Industries Authorized by SPCB.

Domestic wastewater (sewage) generated in plant is adequately treated in Sewage Treatment Plant (STP). Treated domestic wastewater is reused for gardening/ plantation purpose within premises.

Hence, M/s. Alembic Pharmaceuticals Limited is completely Zero Liquid Discharge (ZLD).

ANNEXURE 15: Rain Water Harvesting System

Recharge Bore well and Recharge Well



Details of rain water recharge bore well

#	Recharge well no.	Capacity				Rain fall (m)	Area of Alembic (Sqm)	Rain water collective efficiency (M3)	Harvesting efficiency (%)
		LPM	LPH	KLD	30 rainy days/season				
1	Recharge BorewellWell-01	100	6000	144	4,320				
2	Recharge BorewellWell-02	100	6000	144	4,320				
3	Recharge BorewellWell-03	100	6000	144	4,320				
4	Recharge BorewellWell-04	100	6000	144	4,320				
5	Recharge BorewellWell-05	50	3000	72	2,160				
6	Recharge BorewellWell-06	100	6000	144	4,320				
7	Recharge BorewellWell-07	100	6000	144	4,320				
8	Recharge BorewellWell-08	100	6000	144	4,320				
9	Recharge BorewellWell-09	100	6000	144	4,320				
10	Recharge BorewellWell-10	100	6000	144	4,320				
					41,040	0.95	1,052,183.60	699702.09	5.87
11	Recharge BorewellWell-11	100	6000	144	4,320				
12	Recharge BorewellWell-12	100	6000	144	4,320				
13	Recharge BorewellWell-13	100	6000	144	4,320				
					54,000	0.91	1,052,183.60	670240.95	8.06
14	Recharge BorewellWell-14	150	9000	216	6,480				
15	Recharge BorewellWell-15	150	9000	216	6,480				
16	Recharge BorewellWell-16	150	9000	216	6,480				
17	Recharge BorewellWell-17	150	9000	216	6,480				
18	Recharge BorewellWell-18	150	9000	216	6,480				
19	Recharge BorewellWell-19	150	9000	216	6,480				
20	Recharge BorewellWell-20	150	9000	216	6,480				
21	Open Recharge well-01	400	24000	576	17,280				
22	Containment-1 for rainwater collection			200	6,000				

#	Recharge well no.	Capacity				Rain fall (m)	Area of Alembic (Sqm)	Rain water collective efficiency (M3)	Harvesting efficiency (%)
		LPM	LPH	KLD	30 rainy days/season				
23	Containment-2 for rainwater collection			300	9,000				
					131,640	1.1	1,052,183.60	810181.37	16.25
24	Recharge BorewellWell-21	100	6000	144	4,320				
25	Containment-3 for rainwater collection			500	15,000				
26	Containment-4 for rainwater collection			3,000	90,000				
					150,960	1	1,052,183.60	736528.52	20.50
Total		2,700	162,000	4,888	373,320	Liters			
		2.7	162	4.888	373.32	KL			

ANNEXURE 16: Emergency Related Data**Mutual Aid****MUTUAL AID**

Date: - 15/02/2020

To,
 Factory Manager / Unit Heads
 Alembic Pharmaceuticals Limited - Formulation - I,
 Alembic Pharmaceuticals Limited - Formulation - II,
 Alembic Pharmaceuticals Limited - API Unit - II,
 Paushak Limited,
 United Phosphorus Limited.

Sub: Mutual understanding to meet requirement during any uneven occurrence at Panelav site of any where in Alembic Pharmaceuticals Limited. Formulation-I, Formulation-II, API Unit - II, Paushak Limited, United Phosphorus Limited are situated.

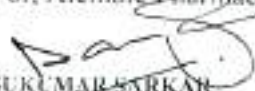
We are using and manufacturing various types of Chemicals. We mutually understand that at any time any uneven occurrence may happen at our site.

In case of any emergency situation, we all will work to-gather and provide services and control the situation by providing necessary manpower (i.e. expert teams like rescue team, First aiders team, Fire fighters team), equipment other help to each factory.

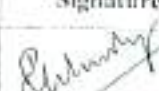
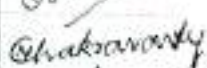

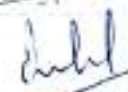
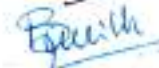
Thanking you,

Yours Faithfully,

For, Alembic Pharmaceuticals limited, API Unit - I, Panelav,


 SUKUMAR SARKAR
 Factory Manager

NAME OF UNIT HEAD OF CONCERNED ORGANISATION

Sr. No.	Name of Unit Head	Name of Unit	Designation	Signature
01	Mr. Ravindrakumar Pandey	Alembic Pharmaceuticals Limited (Formulation -I)	Unit Head	
02	Mr. Nitish Chakravarty	Alembic Pharmaceuticals Limited (Formulation -II)	Unit Head	
03	Mr. M. Q. Khokhawala	Alembic Pharmaceuticals Limited (API Unit - II)	Unit Head	
04	Mr. Anilkumar Goel	Paushak Ltd.	Unit Head	
05	Mr. Binoy Parikh	United Phosphorus Ltd.	Unit Head	

ALEMBIC PHARMACEUTICALS LIMITED
API UNIT-I, PANELAV
CIN-L24230GJ2010PLC061123

REGD. OFFICE : ALEMBIC ROAD, VADODARA - 390 003, INDIA • TEL : (0265) 2280555, 2280580 • FAX : (0265) 2284079
 Website : www.alembicpharmaceuticals.com • E-mail : alembic@alembic.co.in

FACTORY : VILL. PANELAV, P.O. TAJPURA, NR. BASKA, TAL. HALDI, DIST. PANCHMAHAL - 389 350 • TEL : (0276) 304010 • FAX : (0276) 304177

Emergency Contact List

ALEMBIC PHARMACEUTICALS LTD. (API, UNIT - I) PANELAV 			
EMERGENCY TELEPHONE NUMBER			
Name	Place	Office / Ext.	Residence / Mob.
GOVERNMENT AUTHORITY			
Collector	Godhra	(02672)242800 / 241584	
Factory Inspector	Godhra	(02672)241870	241843 / 249415
Factory Inspector	Godhra	(0265)2432543	
GPCB	Godhra	(02672)245869 / 245996	
District Development Officer (D.D.O.)	Godhra	(02672) 253377	
District Supritendant of Police (D.S.P.)	Godhra	(02672) 242200	242629
Disaster Control Room	Godhra	(02672)1077 / 242536 / 247135	
Mamlatdar	Halol	(02676)221066	220066
Taluka Development Officer (T.D.O.)	Halol	(02676)221160	220120
Police Station	Halol	(02676)220100	
Police Station	Tajpura	(02676)247381	
Sup. Central Excise	Halol	(02676)222106	
S.T Depot.	Halol	(02676)220682	
GEB Divisional Office	Halol	(02676)220710	
Telephone Exchange Office	Halol	(02676)220200	
GEB Sub station	Khakharia	(02676)220216	
GEB Sub station	Baska	(02676)220214	
FIRE BRIGADE			
Fire Brigade	Halol	(02676)298101 / 225101	9924547546
Fire Brigade	Godhra	(02672)240043 / 240596 / 243196	
Fire Brigade	Kalol	(02676) 235101	
Fire Brigade	Vadodara	(0265)2413635 / 2420881 / 2420882 / 2413753/54	
HOSPITAL			
Civil Hospital	Godhra	(02672)242559	
Civil Surgeon	Godhra	(02672)240950 / 242205	
Referral Hospital	Halol	(02676)220111	
I C U Hospital	Halol	(02676)223108/224108/220171	
Bhailal Amin Hospital	Vadodara	(0265) 677 6222	
S.S.G. Hospital	Vadodara	(0265)2423122 / 2422466 / 2424848	
Krupalu Hospital	Halol	(02676) 220897 / 222857	
MAA Surgical Hospital	Halol	(02676) 226226	9825318196
Jigar Eye Hospital	Halol	(02676)222898	9879017297
Jhanavi Orthopedic	Halol	(02676)222221	
MUTUAL AID			
Formulation Unit - 1	Panelav	4202 / 4257 / 4281	
Formulation Unit - 2	Panelav	02676-395555 / 4250	
API, Unit - II	Panelav	4305 / 4334	
Paushak Ltd.	Panelav	4412 / 4403	7575804176
UPL Ltd.	Gopipura	247052 / 247053 / 247068	8238075834 9909994612

LIST OF KEY PERSONS			
Mr.Sukumar Sarkar	Factory Manager	4103 / 4320	9909923866
Mr.Binaya Debata	EHS	4186	9760010318
Mr.Shrihari Mane	Process Excellence	4193	9769467171
Mr.Amit Adhvaryu	Engineering	4165	9979145464
Mr.Dharmesh Shah	HR	4179	9727727563
Mr.Gaurang Vyas	Security	4163	9586878111
Mr.Ketan Shah	Plant - 01	4171	9909923887
Mr.Amol Sarmandal	Plant- 02	4133	9726474727
Mr.Manoj Sinha	Plant - 3	4140	9537943596
Mr.Ajay Parmar	Pilot Plant	4141	9979888183
Mr.Nagaraj J.	Plant - 07	4007	9739363020
Mr.Anil Patel	Engineering	4083	9825699964
Mr.D.C.Jain	Ware House	4180	9727727416
Mr.Viral Gheewala	Safety	4151	9099062669
Mr.Kalpesh Padaria	Environment	4129	9687624565
Mr.M.N.Pandey	Solvent Recovery	4122	8238757810
Mr.Rajpalsingh Rajwar	Q.C.	4149	9909948579
Mr.Madhukar Katte	Plant - 05	4143	9833698882
Emergency Number	Main Gate	4109	9979850241
DOCTORS			
Dr.Milan Thakkar	Vadodara		9558804701
Dr.Rajesh Pandya	Halol	9825693648	9228763742
Dr.Vijay Patel (Maa Surgical)	Halol		9825318196
Dr.Gaurag Patel (Jigar Eye Hosp.)	Halol		9879017297
Dr.Dilip Solanki (Ortho-surg.)	Halol		222221
Dr. Praksh Shah	OHC		9016535035
Dr. Bhanu Pratap Singh	OHC		7043903374
Dr. Arpit Raval	OHC		9825584534

Gujarat Samachar

મહિસાગર જિલ્લામાં કોરોના પ્રકોપ વકરતા મુણાવાડા એસ.ટી. ડેપોને સેનિટાઈઝ કરાઈ રહ્યો છે

મુણાવાડા એસ.ટી. ડેપોના રોડ પર કોરોના સંક્રમણ થઈ ગયો છે. એસ.ટી. ડેપો પર સ્ટાફ, મુસાફરોને થર્મલ સ્ક્રીનિંગ : જનજાગૃતિના તયાસો : બસોનું પણ સંપૂર્ણ સેનિટાઈઝેશન કરવામાં આવે છે. કોરોના સંક્રમણ થઈ ગયો છે. એસ.ટી. ડેપો પર સ્ટાફ, મુસાફરોને થર્મલ સ્ક્રીનિંગ : જનજાગૃતિના તયાસો : બસોનું પણ સંપૂર્ણ સેનિટાઈઝેશન કરવામાં આવે છે.

રોગ પ્રકોપ નાથવા વેપારી મંડળનો તા.૩૧મી સુધી સરના બજારો સવારના ૮ થી સાંજે સુધી જ ખુલ્લા રાખવા નિર્ણય

રોગ પ્રકોપ નાથવા વેપારી મંડળનો તા.૩૧મી સુધી સરના બજારો સવારના ૮ થી સાંજે સુધી જ ખુલ્લા રાખવા નિર્ણય કરવામાં આવ્યો છે. રોગ પ્રકોપ નાથવા વેપારી મંડળનો તા.૩૧મી સુધી સરના બજારો સવારના ૮ થી સાંજે સુધી જ ખુલ્લા રાખવા નિર્ણય કરવામાં આવ્યો છે.

મહિસાગર જિલ્લામાં કોરોના પ્રકોપ વકરતા મુણાવાડા એસ.ટી. ડેપોને સેનિટાઈઝ કરાઈ રહ્યો છે. મહિસાગર જિલ્લામાં કોરોના પ્રકોપ વકરતા મુણાવાડા એસ.ટી. ડેપોને સેનિટાઈઝ કરાઈ રહ્યો છે.

પ્રાંશીલ નગર અને તાલુકામાં વધતા કોરોનાના કેસોના પગલે કન્ટેનમેન્ટ ઝોનની સમીક્ષા

પ્રાંશીલ નગર અને તાલુકામાં વધતા કોરોનાના કેસોના પગલે કન્ટેનમેન્ટ ઝોનની સમીક્ષા કરવામાં આવે છે. પ્રાંશીલ નગર અને તાલુકામાં વધતા કોરોનાના કેસોના પગલે કન્ટેનમેન્ટ ઝોનની સમીક્ષા કરવામાં આવે છે.

મહિસાગર જિલ્લામાં કોરોના પ્રકોપ વકરતા મુણાવાડા એસ.ટી. ડેપોને સેનિટાઈઝ કરાઈ રહ્યો છે. મહિસાગર જિલ્લામાં કોરોના પ્રકોપ વકરતા મુણાવાડા એસ.ટી. ડેપોને સેનિટાઈઝ કરાઈ રહ્યો છે.

બાલાશિનોર પાલિકા અને દેવ ચોકડીમાં કોરોના કેસ નોંધાતાં વિસ્તારો કન્ટેનમેન્ટ ઝોનમાં જાહેર કરાયા

બાલાશિનોર પાલિકા અને દેવ ચોકડીમાં કોરોના કેસ નોંધાતાં વિસ્તારો કન્ટેનમેન્ટ ઝોનમાં જાહેર કરાયા. બાલાશિનોર પાલિકા અને દેવ ચોકડીમાં કોરોના કેસ નોંધાતાં વિસ્તારો કન્ટેનમેન્ટ ઝોનમાં જાહેર કરાયા.

બાલાશિનોર પાલિકા અને દેવ ચોકડીમાં કોરોના કેસ નોંધાતાં વિસ્તારો કન્ટેનમેન્ટ ઝોનમાં જાહેર કરાયા. બાલાશિનોર પાલિકા અને દેવ ચોકડીમાં કોરોના કેસ નોંધાતાં વિસ્તારો કન્ટેનમેન્ટ ઝોનમાં જાહેર કરાયા.

જાહેર સૂચના (પર્યાવરણીય મંજૂરી)

આ સાથે જણાવવામાં આવેલ છે કે સ્ટેટ લેવેલ એન્વાયરમેન્ટ ઇમ્પ્રુવમેન્ટ એક્ટ ૧૯૮૬, ૧૯૮૭, ૧૯૮૮, ૧૯૮૯, ૧૯૯૦, ૧૯૯૧, ૧૯૯૨, ૧૯૯૩, ૧૯૯૪, ૧૯૯૫, ૧૯૯૬, ૧૯૯૭, ૧૯૯૮, ૧૯૯૯, ૨૦૦૦, ૨૦૦૧, ૨૦૦૨, ૨૦૦૩, ૨૦૦૪, ૨૦૦૫, ૨૦૦૬, ૨૦૦૭, ૨૦૦૮, ૨૦૦૯, ૨૦૧૦, ૨૦૧૧, ૨૦૧૨, ૨૦૧૩, ૨૦૧૪, ૨૦૧૫, ૨૦૧૬, ૨૦૧૭, ૨૦૧૮, ૨૦૧૯, ૨૦૨૦ ના પત્ર ક્રમાંક SEIAA/GUJ/EC/5(1)/856/2020 દ્વારા ઈ.આઈ.એ. નોટિફિકેશન તારીખ ૧૪ સપ્ટેમ્બર ૨૦૨૦ જોગવાઈ હેઠળ આપેલ છે.

ક્લિયરન્સ પત્રની નકલ મુજરાત પ્રોલ્યુશન કંટ્રોલ બોર્ડ અને SEIAA/SEAC/GPCB વેબસાઈટ ઉપર ઉપલબ્ધ છે.

અધિકૃત હસ્તાક્ષર
એલેમ્બિક ફાર્માસ્યુટિકલ્સ લિમિટેડ
(ઓપીઆઈ યુનિટ-૧)

તારીખ: ૧૪-૦૭-૨૦૨૦

ANNEXURE 18: Agreement for disposal of boiler fly-ash

6191

INDIA NON JUDICIAL
Government of Gujarat


सत्यमेव जयते

Sr. No.: 18476
Date: 18/12/2019

Rs. 100

Certificate of Stamp Duty

Certificate No.	: IN-GJ34382434166387R
Certificate Issued Date	: 11-Nov-2019 12:02 PM
Account Reference	: CSCACC (GVY) gjcsce07/ GJ-BARIT0112/ GJ-BA
Unique Doc. Reference	: SUBIN-GJGJCSCEG0710842812185550R
Purchased by	: PADARIA KALPESHBHAI SHASHIKANT
Description of Document	: Article 5(h) Agreement (not otherwise provided for)
Description	: Not Applicable
Consideration Price (Rs.)	: 0 (Zero)
First Party	: ALEMBIC PHARMACEUTICALS LIMITED
Second Party	: GIRJA CLASS
Stamp Duty Paid By	: ALEMBIC PHARMACEUTICALS LIMITED
Stamp Duty Amount(Rs.)	: 100 (One Hundred only)








MA 0001013241

Statutory Alert:
1. The authenticity of this Sta.
2. The price of checking the &
3. In case of any discrepancy

By in the place on this Certificate and an

AGREEMENT

This Service Agreement ("Agreement") is made on 1st of October, 2019 by and between

Alembic Pharmaceuticals Limited, a company incorporated under the laws of India and having its registered office at Alembic Road, Vadodara - 390003, Gujarat, India ("APL" which expression shall mean and include its successors and permitted assigns) of the one part

AND

Giraja Glass, a Proprietor Firm represented by **Mr. Jitubhai Patel** having GST No. 24AAPPP7023F1ZO, residents of Block 354 at PO Luna, Tal. Padra, Dist. Vadodara, Gujarat, India and having its principal place of business at, Block 354 at PO Luna, Tal. Padra, Dist. Vadodara, Gujarat, India ("Giraja Glass" which expression shall mean and include its successors and permitted assigns) of the other part.

APL and Giraja Glass are hereinafter individually be referred to as "Party" and collectively referred to as "Parties".

This Agreement will be entirely read along with all the Annexures and same shall be entirely part of this Agreement.

WHEREAS:


- A. APL is engaged in the business of development, manufacturing, marketing and sale of active pharmaceutical ingredients and finished formulations drugs globally.
- B. Giraja Glass is engaged in the business of providing Fly Ash/Boiler Ash (Waste) collection, Transportation, processing, destruction and processing of Fly Ash in its facility located at Block 354 at PO Luna, Tal. Padra, Dist. Vadodara, Gujarat, India. ("Facility"). This Facility is approved by Gujarat Pollution Control Board and under the _____ Waste (Management and Handling) Rules 201__ framed under Environmental Protection Act, 1986.
- C. APL desire to sell its Waste generated at its facility and Giraja Glass is interested to buying the Waste as defined in Annexure-1, in accordance with the terms of this Agreement.

NOW THIS AGREEMENT WITNESSETH AND THE PARTIES HEREBY AGREE AS FOLLOWS:

ARTICLE – 1: EFFECTIVE DATE AND DURATION

- 1.1. This Agreement shall commence from 1st day of October, 2019 ("Effective Date") and shall, unless terminated earlier in accordance with the provisions hereof, be valid for a period of one (1) year, till 30th day of September, 2020 ("Term").
- 1.2. The Parties may agree to renew this Agreement on such terms and conditions and for such further periods as may be agreed upon by mutual consent recorded in writing and signed by both the Parties.
- 1.3. For purpose of this Agreement, "Affiliate" means any company which Controls, is controlled by, or is under common Control with a Party to this Agreement. "Control" means the ownership of more than fifty percent (50%) of the issue share capital or the legal power to direct or cause the direction of the general management and policies of such company in question.

ARTICLE – 2: SCOPE OF SERVICE

- 
- 2.1. Girja Glass shall purchase Fly Ash/Boiler Ash (Waste) collections, transportations from the APL site and processing of the waste at the approved facility of Girja Glass in accordance with the terms of this Agreement. Girja Glass shall comply with all applicable laws while collection, transportation and processing.
 - 2.2. Girja Glass shall promptly inform us for cancellation of any license or approval relating to the approvals provided by the statutory agencies.
 - 2.3. Time is of the essence of this Agreement.
 - 2.4. Girja Glass will deal directly with APL for the collection of Waste from APL, and with Affiliate for the Waste from them. APL and Affiliate are separate entities and their respective obligations to Girja Glass are several and neither joint nor joint and several. In the event of a breach of the terms of this Agreement by APL or Affiliate, any exercise of rights and remedies by Girja Glass will be solely against such breaching party.

ARTICLE – 3: GIRJA GLASS'S OBLIGATIONS

- 3.1. The Girja Glass shall ensure that it conducts its business and activities in such manner that the reputation, standing and goodwill of APL or its Affiliates is in no way adversely affected or compromised.
- 3.2. The Girja Glass represents and warrants that it has not and will not directly or indirectly pay, offer, give or promise to pay or authorize the payment of, any portion of the compensation or reimbursements received hereunder or any other monies or other things of value to an officer or employee of a government of any department, agency, or instrumentality thereof, an officer or employee of a public organisation; any person acting in an official capacity for or on behalf of any government or department, agency, or instrumentality or public organisation; any political party or official thereof; any candidate for political office; or any other person, individual or entity at the suggestion, request or direction or for the benefit of any of the above-described persons and entities, or engage in acts or transactions otherwise in violation of any applicable anti-bribery legislation in India, including but not limited to, Prevention of Corruption Act, 1988.
- 3.3. The Girja Glass warrants that Fly Ash handling and disposal shall be provided in a professional manner consistent with industry standards. In case of deficiency or negligence in handling and disposal it will be sole responsibility of Girja Glass and Girja Glass indemnify APL for the same. Any deficiency shall be solely determined by APL or its Affiliate, Girja Glass agrees to rectify the same without any delay or cost to APL or its Affiliate's satisfaction, within the time period as decided by APL or its Affiliate. The above shall be in addition to any other remedy available to APL or its Affiliate in law or equity.

ARTICLE – 4: CONSIDERATION

- 4.1. Girja Glass shall pay to the APL Girja Glass the consideration as stated at Annexure – 2.

ARTICLE – 5: CONFIDENTIALITY



- 5.1. All information disclosed by APL or its Affiliate to Girja Glass in connection with this Agreement, including without limitation information developed and acquired under this Agreement, trade secret, technique, strategy, component, concept, program, report, study, memorandum, correspondence, documentation, information, manual, record, data, technology, procedure, method, notes, summaries, analyses, compilations and other writings, pricing, billing, servicing, financing, personnel matter, volumes & procurement, volume of purchase, discounts, employees, investors, or any other tangible and intangible information disclosed by APL or its Affiliate to the Girja Glass ("**Confidential Information**") will be kept confidential by the Girja Glass and will not be used by the Girja Glass other than in connection with this Agreement. The Confidential Information shall also include all reports, notes or other material prepared by the Girja Glass based on the Confidential Information or any discussion thereon. Such Confidential Information shall be maintained in confidence and shall be subject to reasonable safeguards with respect to the protection of Confidential Information, at least as extensive as the Girja Glass normally observes with respect to its own confidential and proprietary information. The Girja Glass shall make no disclosure of the Confidential Information which is not expressly authorized by this Agreement or otherwise approved in writing by APL.
- 5.2. The Girja Glass shall restrict the access to the Confidential Information on a "need to know" basis, and shall provide Confidential Information only to those employees, or Affiliate ("**Authorized Persons**") who require access to the Confidential Information for assisting the Girja Glass fulfill its obligations under this Agreement. The Girja Glass shall ensure that their Authorized Persons are bound by confidentiality obligations that are at least equal to those obligations contained in this Agreement and the Girja Glass agrees to be solely responsible for any violations of this Agreement by the Authorized Persons.
- 5.4. If Girja Glass is required to disclose Confidential Information by law, or by the order of a court or governmental body, Girja Glass shall provide Disclosing Party with notice as soon as may be practicable (to the extent permissible by law) so that APL may contest such potential disclosure. In case if in any such event, the Girja Glass is required to disclose Confidential Information, it shall disclose only that part of the Confidential Information that the Girja Glass is legally required to disclose, and to use best efforts to obtain an assurance that the Confidential Information disclosed would be treated as confidential. For avoidance of doubt, any disclosure made under this section shall not relieve the Girja Glass's obligations of confidentiality and non-use hereunder.
- 5.5. The Girja Glass acknowledges that monetary damages alone shall not be an adequate remedy for breach of the Girja Glass's obligations under this Article 5. In addition to any other remedy, which may be available in law or equity, APL or its Affiliate shall also be entitled to injunctive relief to prevent a breach of this Article 5.
- 5.6. Notwithstanding the expiration or early termination of this Agreement, the Girja Glass's obligations, including but not limited to, maintaining confidentiality and non-use of the Confidential Information, as stated under this Article 5, shall continue in full force and effect, and shall survive the expiry or termination of this Agreement.

ARTICLE – 6: INDEMNITY

- 6.1. The Girja Glass shall fully indemnify, and keep indemnified, APL and its Affiliates, officers, directors, employees or agents against any and all liability, loss, fines, penalties, fees, damages, costs, amounts and expense (including without limitation attorneys' fees) arising out of or in connection with: (i) negligence, fraud, misconduct, misrepresentations by the Girja Glass, its Affiliates, employees or agents, (ii) breach of any applicable law, order of any governmental or regulatory agency, rules and regulations; (iii) deficiency in Service; or

(iv) breach of any of its obligations under this Agreement including representations and warranties.

ARTICLE – 7: TERMINATION

7.1. Termination with cause

7.1.1. If the Girja Glass breaches any of its duties or obligations hereunder and such breach is not cured to APL or its Affiliate's sole satisfaction, within seven (7) days from the date of the written notice of the breach, then this Agreement shall stand automatically terminated at the end of the seven (7) day rectification period.

7.1.2. Any Party will have the right to terminate this Agreement with immediate effect if: (i) the other Party becomes the subject of a bankruptcy or any other proceeding relating to insolvency, receivership, liquidation, or composition for the benefit of creditors, (ii) the other Party makes an assignment for the benefit of creditors, (iii) the other Party does not pay its third party debts substantially as they become due or admits in writing its inability to pay its debts when due, or (iv) an application for a receiver, trustee, or custodian is made by anyone for the other Party.

7.2. Termination without cause

7.2.1. APL has the right to terminate this Agreement at any time without assigning any reason, upon giving thirty (30) days prior written notice to the Girja Glass.

7.3. In the event of termination, each Party will fulfill all its respective obligations that accrue up to the date of such termination. Further, the Girja Glass shall forthwith return all Confidential Information and copies thereto to APL. Clause 2.5, 3.3, 5, 6, 7.3, 9 and 10 shall survive expiry or termination of this Agreement.

ARTICLE – 8: REPRESENTATIONS AND WARRANTIES

8.1. Each Party represents and warrants to the other that (i) it has all requisite power and authority to enter into this Agreement and to perform its respective obligations hereunder, and (ii) execution of the Agreement will constitute valid and binding obligation and be enforceable against it in accordance with its terms.

8.2. Girja Glass represent and warrant that there have not been any claim, lawsuits, arbitrations, legal or administrative or regulatory proceedings, charges, or complaints or investigations by any government authority threatened, commenced, pending or proceeding against Girja Glass which will prevent Girja Glass from complying with its obligations under this Agreement.

ARTICLE – 9: AUDIT

9.1. The Girja Glass shall keep separate records of Waste destruction of APL. Girja Glass gives disposal certificate for disposal of Waste. Girja Glass to provide the details as and when required by APL during the term of the Agreement and after expiry or termination due to any reasons.

9.2. APL may at any time after giving one week (1) advance notice visit the site of Girja Glass for audit and verification of disposal of Waste and the Girja Glass shall provide all the relevant data and records of Waste destruction to APL.


ARTICLE – 10: GOVERNING LAW AND JURISDICTION

- 10.1. This Agreement is governed by and construed in accordance with the laws of India.
- 10.2. All disputes, controversies and claims arising out of or in connection with this Agreement shall be brought exclusively before a court of competent jurisdiction in Vadodara, Gujarat and each party consents to the exclusive jurisdiction and venue of such court.

ARTICLE – 11: MISCELLANEOUS

- 11.1. Notice: All notices issued under this Agreement shall be in writing and shall be served personally or sent by registered post (with acknowledgment of receipt requested) or speed post, to address given below. Either Party may change its address to receive notice by serving written notice to the other Party in accordance with this provision. Any notice shall be deemed to have been duly given (i) on the day of receipt if delivered in person, or (ii) if sent by registered post with acknowledgement of receipt requested or speed post, then on the date of such receipt.
- 11.2. Conflicts: None of the terms and conditions mentioned in the purchase order/ issued hereunder, invoice raised hereunder or any other related document shall be binding on the Parties. For clarity, only the terms and conditions of this Agreement shall govern the relationship between the Parties with respect to the subject matter hereof.
- 11.3. Survival: Section 10.1 and Articles 6 and 9 shall survive any termination or expiry of this Agreement.
- 11.4. Advertising and publicity: The Girja Glass shall not use, without APL's prior written consent in each instance, the names, characters, artwork, designs, trade names, trademarks or service marks of APL or its Affiliate, in any manner whatsoever.
- 11.5. Interpretation: Unless the context of this Agreement otherwise requires, (i) the terms "include," "includes," or "including" shall be deemed to be followed by the words "without limitation" unless otherwise indicated; (ii) words using the singular or plural number also include the other; and (iii) the terms "hereof," "herein," "hereby," and derivative or similar words refer to this entire Agreement. Whenever this Agreement refers to a number of days, unless otherwise specified, such number shall refer to calendar days. The headings and paragraph captions in this Agreement are for reference and convenience purposes only and shall not affect the meaning or interpretation of this Agreement. The recitals of this Agreement forms the integral part of this Agreement.
- 11.6. Waiver: The failure by either Party to enforce at any time or for any period of time the provisions of this Agreement shall not be construed as a waiver of such provisions or of the right of such Party thereafter to enforce any provision of the Agreement.
- 11.7. Amendments: No modifications or amendments of this Agreement and no waiver of any of the terms or conditions hereof, shall be valid or binding unless made in writing and signed by both Parties.
- 11.8. No third party rights: This Agreement is not intended and shall not be construed to confer on any person other than the Parties hereto, any rights or remedies herein.
- 11.9. Entire agreement: This Agreement along with its Annexures attached hereto shall form the entire agreement and understanding of the Parties with respect to the subject matter and

supersedes all prior understandings, agreements, proposals, communications, etc., between the Parties.


- 
- 11.10. Relationship:** Nothing in this Agreement shall constitute or be construed as constituting an agency, partnership, master-servant or employer-employee relationship between APL and Girja Glass.
- 11.11. Severability:** If any portion of this Agreement shall be declared invalid, unenforceable or void by order, decree or judgment of a court of competent jurisdiction or other competent authority, then such provisions shall be deemed to have been severed or removed from this Agreement, except when such construction would constitute a substantial deviation from the general intent and purpose of the Parties as reflected in this Agreement. In the latter case the Parties shall replace such invalid provision with another provision which least deviates which keeping in view the purpose of the Parties.
- 11.12. Assignment:** The Girja Glass shall not assign any of its rights or duties or obligations under this Agreement without the prior written consent of APL. However, APL may assign or transfer this Agreement or any right, liability or obligation hereunder, without the consent of the Girja Glass, to any of its (i) Affiliate, or (ii) a successor who purchases all or substantial portion of APL's business, whether by merger, purchase of assets or stock or other similar transaction or series of transactions.
- 11.13. Construction:** This Agreement has been jointly prepared on the basis of the mutual understanding of the Parties and shall not be construed against a Party by reason of such Party being the drafter hereof or thereof.
- 11.14. Costs:** Each Party must pay its own costs and expenses in relation to the negotiation, preparation and execution of this Agreement.
- 11.15. Counterparts:** This Agreement is executed in two counterparts and each of them together shall constitute one and the same.

(Signature page follows)

IN WITNESS WHEREOF, the Parties have executed this Agreement through their duly authorized representatives, and caused it to be effective from the Effective Date, at the place and on the day, month and year written respectively below.

For Alembic Pharmaceuticals Limited

For Girja Glass

Signature: 

Name: Kalpesh padani

Title:

Place:

Date:



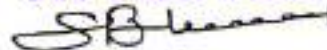
Signature: 

Name: Jitu Bhai Patel

Place: Luna

Date: 14/11/19

ATTESTED



SHILPA B. ZAVERI
NOTARY

18 DEC 2019



My Commission expires on 28-04-2023
Shilpa B. Zaveri
NOTARY



ANNEXURE – 1**WASTE COLLECTION AND WASTE DESCRIPTION**

Components	Acceptable Range
	Boiler Ash
% Moisture	<20
% Sulphur	<20
% Chloride	<15
% Na ₂ O	<= 10
% K ₂ O	<= 3-0
Flash Point, °C	>45
Calorific Value, kcal/kg	>2,500
Ash Content, %	<40
Acetonitrile, C ₂ H ₃ N (also known by other names like Cyanomethane or Ethanenitrile or Ethyl Nitril or Methanecarbonitrile or Methyl cyanide)	Nil
White Phosphorus	Nil
Heavy Metals (ppm)	
Chromium	<= 100
Hg	<10
Cd+ Hg+Tl	<100
As+CO+Ni+Se+Te+Sb+Cr+Pb+V	<2500



3. The quantity of the Boiler ash will be as follows:

Sr No	Waste Type	Accumulated Quantity (tons)	Monthly Generation (tons)
1	Boiler Ash (API-I)	50	100
2	Boiler Ash (API-II)	-	15

1. Waste collection & disposal generated during the term
2. To conduct training session for Alembic staff for Handling & treatment of Waste at its Facility as per CPCB (Central Pollution Control Board) & GPCB (Gujarat Pollution Control Board) guidelines if required.
3. Girja Glass shall help, communicate & coordinate the process related to GPCB.
4. To provide full support in any audit or government inspection.
5. Girja Glass shall pick up the Waste at facility of APL or its Affiliates.
6. Girja Glass shall ensure safe transportation of Waste in compliance with Applicable laws.



Services Agreement

Page 9 of 12

Confidential

Initials	
APL	Service Provider

ANNEXURE – 2

CHARGES

1. ALEMBIC shall send one more waste in the name of Boiler Ash (ESP Ash) at the base rate of Rs.200/- MT,
3. Girja Glass We are registered E- Waste Recycler from G.P.C.B.
4. Payment should be done within 15 days from submission of bill.



Services Agreement

Page 10 of 12

Confidential

Initials	
APL	Service Provider

ANNEXURE - 3

Licenses and Registrations

1. Copy of License
2. Copy of the other document
3. Girja Glass is a proprietorship firm and its registered office and factory Address is,
Gujarat, India



Services Agreement

Page 11 of 12

Confidential

Initials	
APL	Service Provider

ANNEXURE – 4WASTE FORMAT

Date:

Place:

Sr.No	Particulars of material	Asset No.	Quantity in No.	Quantity in Kg.



Services Agreement

Page 12 of 12

Confidential

Initials	
APL	Service Provider

ANNEXURE 19: CC&A Compliance Report

Condition No.	CC&A Conditions	Compliance Status																																																																														
1	CONSENT ORDER																																																																															
1	<ul style="list-style-type: none"> CC&A Order no. AWH-81655, dtd. 27/09/2016, valid upto 22/08/2021 CC&A Amendment Order No. AWH-85696, dtd. 01/05/2017 CC&A Correction Order No. H-98124, dtd. 16/01/2020 CC&A Amendment Order No. AH-107327, dtd. 17/03/2020, valid up to 19/10/2021 CC&A Amendment Order No. AWH-107818, dtd. 16/04/2020, valid up to 10/04/2021 	Complied																																																																														
2	PRODUCTS																																																																															
	<table> <tr> <th>#</th><th>List of Products</th><th>Quantity (MT/M)</th></tr> <tr><td>1</td><td>CLARITHROMYCIN</td><td rowspan="37">100</td></tr> <tr><td>2</td><td>AZITHROMYCIN</td></tr> <tr><td>3</td><td>ROXYTHROMYCIN</td></tr> <tr><td>4</td><td>VENLAFAXINE</td></tr> <tr><td>5</td><td>FENOFIBRATE</td></tr> <tr><td>6</td><td>IRBESARTAN</td></tr> <tr><td>7</td><td>VALSARTAN</td></tr> <tr><td>8</td><td>TELMISARTAN</td></tr> <tr><td>9</td><td>CLONIDINE HYDROCHLORIDE</td></tr> <tr><td>10</td><td>MODAFINIL</td></tr> <tr><td>11</td><td>LEFLUNOMIDE</td></tr> <tr><td>12</td><td>O DESMETHYL VENLAFAXINE</td></tr> <tr><td>13</td><td>MEPROBAMATE</td></tr> <tr><td>14</td><td>VILDAGLIPTIN</td></tr> <tr><td>15</td><td>RIVASTIGMINE TARTRATE</td></tr> <tr><td>16</td><td>LACOSAMIDE</td></tr> <tr><td>17</td><td>PRAMIPEXOLE DIHYDROCHLORIDE MONOHYDRATE</td></tr> <tr><td>18</td><td>OLMESARTAN MEDOXOMIL</td></tr> <tr><td>19</td><td>LINEZOLID</td></tr> <tr><td>20</td><td>LERCANIDIPINE HYDROCHLORIDE</td></tr> <tr><td>21</td><td>FLUOXETINE HYDROCHLORIDE</td></tr> <tr><td>22</td><td>DEFERASIROX</td></tr> <tr><td>23</td><td>ROPINOROLE HYDROCHLORIDE</td></tr> <tr><td>24</td><td>HYDROCHLOROTHIAZIDE</td></tr> <tr><td>25</td><td>LAMOTRIGINE</td></tr> <tr><td>26</td><td>METOPROLOL TARTRATE</td></tr> <tr><td>27</td><td>METOPROLOL SUCCINATE</td></tr> <tr><td>28</td><td>QUETIAPINE FUMARATE</td></tr> <tr><td>29</td><td>FAMOTIDINE</td></tr> <tr><td>30</td><td>MEMANTINE HCL</td></tr> <tr><td>31</td><td>PREGABALIN</td></tr> <tr><td>32</td><td>IVABRADINE</td></tr> <tr><td>33</td><td>ETORICOXIB</td></tr> <tr><td>34</td><td>CELECOXIB</td></tr> <tr><td>35</td><td>RABEPRAZOLE SODIUM</td></tr> <tr><td>36</td><td>CLOPIDOGREL BISULFATE</td></tr> <tr><td>37</td><td>FELODIPINE</td></tr> </table>	#	List of Products	Quantity (MT/M)	1	CLARITHROMYCIN	100	2	AZITHROMYCIN	3	ROXYTHROMYCIN	4	VENLAFAXINE	5	FENOFIBRATE	6	IRBESARTAN	7	VALSARTAN	8	TELMISARTAN	9	CLONIDINE HYDROCHLORIDE	10	MODAFINIL	11	LEFLUNOMIDE	12	O DESMETHYL VENLAFAXINE	13	MEPROBAMATE	14	VILDAGLIPTIN	15	RIVASTIGMINE TARTRATE	16	LACOSAMIDE	17	PRAMIPEXOLE DIHYDROCHLORIDE MONOHYDRATE	18	OLMESARTAN MEDOXOMIL	19	LINEZOLID	20	LERCANIDIPINE HYDROCHLORIDE	21	FLUOXETINE HYDROCHLORIDE	22	DEFERASIROX	23	ROPINOROLE HYDROCHLORIDE	24	HYDROCHLOROTHIAZIDE	25	LAMOTRIGINE	26	METOPROLOL TARTRATE	27	METOPROLOL SUCCINATE	28	QUETIAPINE FUMARATE	29	FAMOTIDINE	30	MEMANTINE HCL	31	PREGABALIN	32	IVABRADINE	33	ETORICOXIB	34	CELECOXIB	35	RABEPRAZOLE SODIUM	36	CLOPIDOGREL BISULFATE	37	FELODIPINE	Complied <ul style="list-style-type: none"> We are not exceeding the production from 100 MT/Month.
#	List of Products	Quantity (MT/M)																																																																														
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Condition No.	CC&A Conditions				Compliance Status																												
	38	PRASUGREL HYDROCHLORIDE																															
	39	MEXILETINE HYDROCHLORIDE																															
	40	FEBUXOSTATE																															
	41	ILOPERIDONE																															
	42	VILAZODONE HYDROCHLORIDE																															
	43	FESOTERODINE FUMARATE																															
	44	CANDERSARTAN CILEXETIL																															
	45	LOSARTAN POTASSIUM																															
	46	BUPROPIONE																															
	47	APIXABAN																															
	48	ERYTHROMYCIN																															
3	CONDITIONS UNDER THE WATER ACT																																
3.1	The generation of Industrial Effluent from the manufacturing process & other ancillary operations shall be 195 KL/day after expansion.				Complied <ul style="list-style-type: none">Effluent generated from production is segregated in to High COD and Low COD stream.High COD is treated through stripper followed by MEE and ATFD.Low COD is treated in ETP followed by RO system.Effluent is 100% treated in-house. Final treated effluent is reused in utility like; cooling tower, boiler etc. Also, condensate is also reused in cooling tower.																												
3.2	The Quantity of domestic waste water (sewage) shall be 50 KL/Day.				Complied <ul style="list-style-type: none">Domestic waste water is not exceed from 50 KLD. It is treated in STP.																												
3.2.1	R.O. permeate waste shall be reuse in the plant as well as in Garden and the reject shall be treated in the MEE. Permeate shall conform following standards for Gardening. <table><tr><th>Parameters</th><th>GPCB 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 Compound</td><td>1 mg/L</td></tr><tr><td>Sulphides</td><td>2 mg/L</td></tr><tr><td>Fluorides</td><td>1.5 mg/L</td></tr><tr><td>BOD (3 Days at 27°C)</td><td>30 mg/L</td></tr><tr><td>COD</td><td>100 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>Total Dissolved Solids</td><td>2100 mg/L</td></tr><tr><td>Ammonical Nitrogen</td><td>50 mg/L</td></tr></table>				Parameters	GPCB Norms	pH	6.5 to 8.5	Temperature	40°C	Suspended Solids	100 mg/L	Oil & Grease	10 mg/L	Phenolic Compound	1 mg/L	Sulphides	2 mg/L	Fluorides	1.5 mg/L	BOD (3 Days at 27°C)	30 mg/L	COD	100 mg/L	Chlorides	600 mg/L	Sulphates	1000 mg/L	Total Dissolved Solids	2100 mg/L	Ammonical Nitrogen	50 mg/L	Complied <ul style="list-style-type: none">All the parameters of final treated effluent are well within the limits. On line monitoring system has been installed.
Parameters	GPCB Norms																																
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	<table><tr><td>% Sodium</td><td>60</td></tr></table>	% Sodium	60											
% Sodium	60													
3.2.2	The treated effluent conforming to the above environmental standards shall be discharged on land for plantation/ Gardening purpose within the factory premises.	Complied <ul style="list-style-type: none">Treated effluent is further used in gardening, cooling tower and boiler.												
3.2.3	High COD & High TDS effluent shall be treated through MEE. The concentrate of MEE shall be incinerated into the existing incinerator. Distillate of MEE shall be reused in the plants; cooling Towers, etc	Complied <ul style="list-style-type: none">High COD is treated through stripper followed by MEE and ATFD.Distilled water is reused in cooling towers.												
3.2.4	No waste water shall be discharged outside the premises	Complied <ul style="list-style-type: none">Effluent is 100% treated in-house. Final treated effluent is reused in utility like; cooling tower, boiler etc.Also, condensate is also reused in cooling tower. So, there is no waste water discharge from the premises.												
3.3	Industrial waste water + Domestic water (195 KL/Day + 50 KL/Day = 245 KL/Day) shall be treated in ETP+RO	Complied <ul style="list-style-type: none">Effluent is categorized in to high COD & Low COD. It is not exceeded to 195 KLD.High COD is treated through stripper followed by MEE and ATFD.Low COD is treated in ETP followed by RO system.												
3.4	Out of 245KL/Day, 237.5 KL/Day is RO permeate which reused in plant (210 KL/Day) and in gardening (27.5 KL/Day) within factory premises. Where 5 KL/Day will be recovered solvent & 2.5 KL/Day will be MEE concentrate.	Complied <ul style="list-style-type: none">RO permeate is reused in boiler, mixed solvent recovered from the stripper, MEE concentrate is treated in to the ATFD.												
3.5	MEE Concentrated will be treated in ATFD.	Complied <ul style="list-style-type: none">High COD is treated through stripper followed by MEE, MEE concentrate is treated through ATFD.												
4	CONDITIONS UNDER THE AIR ACT													
4.1	<div>The following shall be used as fuel.<table><tr><th>Fuel</th><th>Quantity</th></tr><tr><td>Agro-waste/ Briquette</td><td>1015 kg/H</td></tr><tr><td>Imported Steam Coal for Water tube FBC Boiler</td><td>1500 kg/H</td></tr><tr><td>FO for Boiler & Incinerator</td><td>195 L/H</td></tr><tr><td>Diesel</td><td>460.4 L/H</td></tr><tr><td>LDO</td><td>16.6 L/H</td></tr></table></div>	Fuel	Quantity	Agro-waste/ Briquette	1015 kg/H	Imported Steam Coal for Water tube FBC Boiler	1500 kg/H	FO for Boiler & Incinerator	195 L/H	Diesel	460.4 L/H	LDO	16.6 L/H	Complied <ul style="list-style-type: none">We are not exceeding fuel qty. Monthly patrak is regularly submitted to GPCB.
Fuel	Quantity													
Agro-waste/ Briquette	1015 kg/H													
Imported Steam Coal for Water tube FBC Boiler	1500 kg/H													
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4.2	The application shall install & operate air pollution control system in order to achieve													

Condition No.	CC&A Conditions	Compliance Status																														
	norms prescribed below.																															
4.2.1	<div>The flue gas emission through stack attached to attached to boiler/ furnace/ Heater shall confirm to the following standards in addition to existing.</div> <table><tr><th>Stack attached to</th><th>Stack Height (m)</th><th>Parameter</th><th>Permissible limit</th></tr><tr><td>Water tube FBC boiler (10 MT/hr)</td><td>35</td><td rowspan="5">PM SO₂ NO_x</td><td rowspan="5">150 mg/Nm³ 100 ppm 50 ppm</td></tr><tr><td>Thermic fluid Heater</td><td>12</td></tr><tr><td>Agro based boiler (5 TPH)</td><td>35</td></tr><tr><td>Boiler 1 & 2</td><td>30 (common stack)</td></tr><tr><td>D.G. Set (750 KVA)</td><td>15</td></tr><tr><td>Incinerator</td><td>30</td><td>PM SO₂ HF HCl NO_x TOC CO Total Dioxin & Furans</td><td>150 mg/Nm³ 200 mg/Nm³ 4 mg/Nm³ 50 mg/Nm³ 400 mg/Nm³ 20 mg/Nm³ 100 mg/Nm³ 0.1 TFO/Nm³</td></tr><tr><td>Three D.G. Sets (1500 KVA)</td><td>15</td><td>NO_x (as NO₂) (at 15% O₂) dry basis</td><td>360 ppmv</td></tr><tr><td>Fire Diesel Generator Set</td><td>15</td><td>NMHC (as C) PM (at 15% O₂) CO (at 15% O₂) Supfur content in fuel</td><td>100 mg/Nm³ 75 mg/Nm³ 150 mg/Nm³ < 4%</td></tr></table>	Stack attached to	Stack Height (m)	Parameter	Permissible limit	Water tube FBC boiler (10 MT/hr)	35	PM SO ₂ NO _x	150 mg/Nm ³ 100 ppm 50 ppm	Thermic fluid Heater	12	Agro based boiler (5 TPH)	35	Boiler 1 & 2	30 (common stack)	D.G. Set (750 KVA)	15	Incinerator	30	PM SO ₂ HF HCl NO _x TOC CO Total Dioxin & Furans	150 mg/Nm ³ 200 mg/Nm ³ 4 mg/Nm ³ 50 mg/Nm ³ 400 mg/Nm ³ 20 mg/Nm ³ 100 mg/Nm ³ 0.1 TFO/Nm ³	Three D.G. Sets (1500 KVA)	15	NO _x (as NO ₂) (at 15% O ₂) dry basis	360 ppmv	Fire Diesel Generator Set	15	NMHC (as C) PM (at 15% O ₂) CO (at 15% O ₂) Supfur content in fuel	100 mg/Nm ³ 75 mg/Nm ³ 150 mg/Nm ³ < 4%	<div>Complied</div> <ul style="list-style-type: none">Online monitoring system is attached to boiler, incinerator to calculate continuous monitoring. Results are within permissible limits.Also, we are carrying out third party monitoring through NABL approved lab.		
Stack attached to	Stack Height (m)	Parameter	Permissible limit																													
Water tube FBC boiler (10 MT/hr)	35	PM SO ₂ NO _x	150 mg/Nm ³ 100 ppm 50 ppm																													
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4.2.2	<div>The process gas emission through stack/vent of reactors, processes, vessels shall confirm to the following standards.</div> <table><tr><th>Stack attached to</th><th>Stack height (m)</th><th>APCM</th><th>Para-meter</th><th>Permissible Limit</th></tr><tr><td>Reaction vessel pilot plant</td><td>12</td><td>Alkali scrubber</td><td>HCl Cl₂</td><td>20 mg/Nm³ 9 mg/Nm³</td></tr><tr><td>Reaction Vessels No.1 in Plant-1</td><td>12</td><td>Chilled water circulation</td><td>NH₃</td><td>175 mg/Nm³</td></tr><tr><td>Reaction Vessels No.1 in Plant-1</td><td>12</td><td>Alkali scrubber</td><td>HCl Cl₂</td><td>20 mg/Nm³ 9 mg/Nm³</td></tr><tr><td>Reaction Vessels No.2 in Plant-2</td><td>12</td><td>Alkali scrubber</td><td>HCl Cl₂</td><td>20 mg/Nm³ 9 mg/Nm³</td></tr><tr><td>Reaction Vessels No.2 in Plant-2</td><td>12</td><td>Chilled water circulation</td><td>NH₃</td><td>175 mg/Nm³</td></tr></table>	Stack attached to	Stack height (m)	APCM	Para-meter	Permissible Limit	Reaction vessel pilot plant	12	Alkali scrubber	HCl Cl ₂	20 mg/Nm ³ 9 mg/Nm ³	Reaction Vessels No.1 in Plant-1	12	Chilled water circulation	NH ₃	175 mg/Nm ³	Reaction Vessels No.1 in Plant-1	12	Alkali scrubber	HCl Cl ₂	20 mg/Nm ³ 9 mg/Nm ³	Reaction Vessels No.2 in Plant-2	12	Alkali scrubber	HCl Cl ₂	20 mg/Nm ³ 9 mg/Nm ³	Reaction Vessels No.2 in Plant-2	12	Chilled water circulation	NH ₃	175 mg/Nm ³	<div>Complied.</div> <ul style="list-style-type: none">Monthly monitoring is carried out for scrubbers by NABL approved third party. Results are within permissible limit.
Stack attached to	Stack height (m)	APCM	Para-meter	Permissible Limit																												
Reaction vessel pilot plant	12	Alkali scrubber	HCl Cl ₂	20 mg/Nm ³ 9 mg/Nm ³																												
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Reaction Vessels No.2 in Plant-2	12	Alkali scrubber	HCl Cl ₂	20 mg/Nm ³ 9 mg/Nm ³																												
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Condition No.	CC&A Conditions						Compliance Status															
	Reaction Vessels No.1 in Plant-3	12	Alkali scrubber	HCl Cl ₂	20 mg/Nm ³ 9 mg/Nm ³																	
	Reaction Vessels No.1 in Plant-5	12	Alkali scrubber	HCl Cl ₂	20 mg/Nm ³ 9 mg/Nm ³																	
	Reaction Vessels No.1 in Plant-7	12	Chilled water circulation	NH ₃	175 mg/Nm ³																	
	Reaction Vessels No.2 in Plant-7	12	Alkali scrubber	HCl Cl ₂	20 mg/Nm ³ 9 mg/Nm ³																	
	Reaction Vessels No.1 in Ware-house	12	Alkali scrubber	HCl Cl ₂	20 mg/Nm ³ 9 mg/Nm ³																	
	Reaction Vessels No.1 in Plant-8	12	Alkali scrubber Chilled water circulation	HCl Cl ₂ NH ₃	20 mg/Nm ³ 9 mg/Nm ³ 175 mg/Nm ³																	
	Reaction Vessels No.2 in Plant-8	12	Alkali scrubber	HCl Cl ₂	20 mg/Nm ³ 9 mg/Nm ³																	
4.2.3	Stack monitoring facilities like port hole, platform/ ladders etc. shall be provided with stack/vents chimney in order to facilitate sampling of gases being emitted into the atmosphere.						Complied. <ul style="list-style-type: none">Adequate arrangements like port hole, platform/ ladders for stack monitoring is available. Suitable vent height is also available.															
4.2.4	The concentration of the following parameters in the ambient air within the premises of the industry and a distance of 10 meters from the source) other than the stack/vent) shall not exceed the following levels: <table><tr><th>Parameter</th><th>Permissible limit (Annual)</th><th>Permissible limit (24 hrs Avg.)</th></tr><tr><td>PM₁₀</td><td>60 µg/m³</td><td>100 µg/m³</td></tr><tr><td>PM_{2.5}</td><td>40 µg/m³</td><td>60 µg/m³</td></tr><tr><td>SOx</td><td>50 µg/m³</td><td>80 µg/m³</td></tr><tr><td>NOx</td><td>40 µg/m³</td><td>80 µg/m³</td></tr></table>						Parameter	Permissible limit (Annual)	Permissible limit (24 hrs Avg.)	PM ₁₀	60 µg/m ³	100 µg/m ³	PM _{2.5}	40 µg/m ³	60 µg/m ³	SOx	50 µg/m ³	80 µg/m ³	NOx	40 µg/m ³	80 µg/m ³	Complied. <ul style="list-style-type: none">Monthly monitoring is carried out to measure ambient air quality by NABL approved third party. Results are within permissible limit.
Parameter	Permissible limit (Annual)	Permissible limit (24 hrs Avg.)																				
PM ₁₀	60 µg/m ³	100 µg/m ³																				
PM _{2.5}	40 µg/m ³	60 µg/m ³																				
SOx	50 µg/m ³	80 µg/m ³																				
NOx	40 µg/m ³	80 µg/m ³																				
4.3	The applicant shall operate air pollution control equipment very efficiently and continuously so that the concentration particulate matter always conforms to the standards specified in the conditions no. 4.2.2 & 4.2.4 above.						Complied. <ul style="list-style-type: none">ESP, bag filter and scrubbers are provided to control air pollution. Results of the same are within permissible limits.															
4.4	The consent to operate the industrial plant shall lapse if at any time the parameters of the gaseous emission are not within the tolerance limits specified in the condition no 4.2.2 & 4.2.4 above.						Agreed and Complied.															
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. <ul style="list-style-type: none">Adequate arrangements like port hole, platform/ ladders for stack monitoring is available. Suitable vent															

Condition No.	CC&A Conditions	Compliance Status																														
		height is also available.																														
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 night time is reckoned between 10 p.m. and 6 a.m	Complied. <ul style="list-style-type: none">Monthly monitoring is carried out to measure ambient noise levels of day and night by NABL approved third party. Results are within permissible limit.																														
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.	Agreed																														
5.2	Applicant shall also comply with the general conditions given in annexure I.	Agreed																														
6	AUTHORISATION FOR THE MANAGEMENT & HANDLING OF HAZARDOUS WASTES Form-2 (See rule 6(2)).																															
6.1	5.1 Number of authorization and date of issue: H-98124. Date of issue: 20/10/2018.	Complied																														
6.2	5.2 Reference of application: Inward No. 145054, dtd. 20/10/2018.	Complied																														
	An application of Alembic Pharmaceutical Ltd, (Api Div. Plant-I) (old name: Alembic Ltd.) of is hereby granted an authorization based on the enclosed signed inspection report for generation, collection, reception, storage, reuse, recycling, disposal by selling to authorized recycler or any other use of hazardous or other wastes or both on the premises situated at Plot No: S. No: 119,121,132,133, Vill: Panelav, Po: Tajpura, Tal: Halol, Dist: Panchmahal	Complied <ul style="list-style-type: none">Hazardous waste is disposed at TSDF site by GPCB's authorized vendor. Co-incinerable waste is given for co-processing to GPCB's authorized vendor. Hazardous scrap is also sell to GPCB's authorized vendor.																														
6.3	<div><div>Details of Authorization:</div><table><tr><th>#</th><th>Type of Waste</th><th>Cat. No.</th><th>Unit</th><th>Qty.</th><th>Mode of Disposal</th></tr><tr><td>1</td><td>Used Oil</td><td>5.1</td><td>KL/Year</td><td>7.96</td><td>Collection, storage, transportation, disposal by sale to authorized re-refiner.</td></tr><tr><td>2</td><td>Spent solvent</td><td>28.6</td><td>KL/Year</td><td>12,000</td><td>1500 KL/Year for off-site recovery OR transportation for off-site distillation at Vadodara Unit (Alembic Limited) OR by authorized other vendor OR Sale to authorized recycler. AND 10,500 KL/Year for onsite utilization of spent solvent by distillation at process solvent recovery plants 2 and 3.</td></tr><tr><td>3</td><td>Process Residue & Waste / Spent Mother liquor</td><td>28.1</td><td>KL/Year</td><td>30,960</td><td>Collection, storage, transportation & disposal by incineration at CHWI or send for co-processing.</td></tr><tr><td>4</td><td>Spent carbon</td><td>28.3</td><td>MT/Year</td><td>180</td><td>Collection, storage, transportation & disposal by incineration at CHWI or send for co-processing.</td></tr></table></div>	#	Type of Waste	Cat. No.	Unit	Qty.	Mode of Disposal	1	Used Oil	5.1	KL/Year	7.96	Collection, storage, transportation, disposal by sale to authorized re-refiner.	2	Spent solvent	28.6	KL/Year	12,000	1500 KL/Year for off-site recovery OR transportation for off-site distillation at Vadodara Unit (Alembic Limited) OR by authorized other vendor OR Sale to authorized recycler. AND 10,500 KL/Year for onsite utilization of spent solvent by distillation at process solvent recovery plants 2 and 3.	3	Process Residue & Waste / Spent Mother liquor	28.1	KL/Year	30,960	Collection, storage, transportation & disposal by incineration at CHWI or send for co-processing.	4	Spent carbon	28.3	MT/Year	180	Collection, storage, transportation & disposal by incineration at CHWI or send for co-processing.	Complied <ul style="list-style-type: none">All hazardous waste are sent as per GPCB norms and manifest, TREM card records are also maintained.
#	Type of Waste	Cat. No.	Unit	Qty.	Mode of Disposal																											
1	Used Oil	5.1	KL/Year	7.96	Collection, storage, transportation, disposal by sale to authorized re-refiner.																											
2	Spent solvent	28.6	KL/Year	12,000	1500 KL/Year for off-site recovery OR transportation for off-site distillation at Vadodara Unit (Alembic Limited) OR by authorized other vendor OR Sale to authorized recycler. AND 10,500 KL/Year for onsite utilization of spent solvent by distillation at process solvent recovery plants 2 and 3.																											
3	Process Residue & Waste / Spent Mother liquor	28.1	KL/Year	30,960	Collection, storage, transportation & disposal by incineration at CHWI or send for co-processing.																											
4	Spent carbon	28.3	MT/Year	180	Collection, storage, transportation & disposal by incineration at CHWI or send for co-processing.																											

Condition No.	CC&A Conditions						Compliance Status
	5	Discarded drums	33.1	Nos/ Year	40,000	Collection, storage, decontamination & reuse or sale to authorized recycler.	
	6	ETP sludge	35.3	MT/ Year	650	Collection, storage, transportation & disposal to TSDF.	
	7	Filler & Filter Material	36.2	Nos/ Year	20,000	Collection, storage, transportation & disposal by incineration on-site or off-site.	
	8	Incinerator Ash	37.2	MT/ Year	100	Collection, storage, transportation & disposal to TSDF.	
	9	Off-Specification Product	28.4	Kg/ Year	So ever granted	Collection, storage, transportation & disposal by incineration within premises or at CHWI.	
	10	Date-Expired Product	28.5	Kg/ Year	So ever granted	Collection, storage, transportation & disposal by incineration within premises or at CHWI.	
	11	Evaporated Salt	37.3	MT/ Year	450	Collection, storage, transportation & disposal to TSDF.	
	12	Waste or Residues containing oil (Oil Swabbed Cotton)	33.2	MT/ Year	0.5	Collection, Storage, Transportation & Disposal by Incineration at CHWIF.	
	5.3 E-waste shall be disposed off as per provisions of E-waste (Management) Rules, 2016.						Agreed
	5.4 Unit shall comply with Spent Solvent guideline of CPCB and GPCB, also unit shall obtain permission in further if recommended by MoEFCC.						Agreed & Complied
6.4	5.5 The authorization shall be valid for a period of 19/10/2021.						Agreed
6.5	5.6 The authorization is subject to the following general and specific conditions (Please specify any conditions that need to be imposed over and above general conditions, if any)						Agreed
6.6	GENERAL CONDITIONS OF AUTHORISATION						
6.6.1	6.1 The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.						Complied
6.6.2	6.2 The authorization or its renewal shall be produced for inspection at the request of an officer authorized by this Board.						Agreed
6.6.3	6.3 The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.						Agreed
6.6.4	6.4 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						Agreed
6.6.5	6.5 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 • Company is having emergency response team (ERT) to handle Emergency Response.

Condition No.	CC&A Conditions	Compliance Status
6.6.6	6.6 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
6.6.7	6.7 It is the duty of the authorized person to take prior permission of the State Pollution Control Board to close down the facility.	Agreed
6.6.8	6.8 The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.	GPCB authorized valid consent is available with vendor.
6.6.9	6.9 The record of consumption and fate of the imported hazardous and other wastes shall be maintained	Complied <ul style="list-style-type: none"> • Generation, storage and disposal record are maintained and updated.
6.6.10	6.10 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 <ul style="list-style-type: none"> • Process residue and waste sent to GPCB approved cement industry. • GPCB has granted permission for Co Processing of our waste having high Calorific Value like process residue & waste, spent carbon and spent Organic solvent etc. • ETP sludge and evaporated salt are sent to GPCB approved landfilling site SEPPL. • SEPPL is having valid Consent No. AWH-97731 Valid upto: 05/11/2025. • ETP sludge, Evaporated salt and incinerating ash disposed under TSDF.
6.6.11	6.11 The importer or exporter shall bear the cost of import or export and mitigation of damages if any.	Complied
6.6.12	6.12 An application for the renewal of an authorization shall be made as laid down under these Rules.	Complied
6.6.13	6.13 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
6.6.14	6.14 Annual return shall be filed by June 30 th for the period ensuring 31 st March of the year	Complied <ul style="list-style-type: none"> • Form-V of FY 2016-17 was submitted on 09/05/2017 • Form-V of FY 2017-18 was submitted on 17/05/2018 • Form-V of FY 2018-19 was submitted on 01/05/2019 • Form-V of FY 2019-20 was submitted on XGN site on dtd. 21/04/2020. Due to COVID-19, hard copy was sent through

Condition No.	CC&A Conditions	Compliance Status
		courier, dispatched on 18/05/2020.

ANNEXURE 20: Submission of Form-V

Form-V submission

Submission to MoEF



Submission to GPCB

Evaluating unlicensed DynamicPDF feature. Click here for details: [4:0 eval]

GPCB ID: 18788

April 20, 2020

To,
The Environmental Engineer
Gujarat Pollution Control Board,
Paryavaran Bhavan,
Sector 10-A,
Gandhinagar-382 010.

Subject: **Submission of the Environmental Statement (Form-5) for the Financial Year 2019-20 ending the 31st March, 2020.**

Dear Sir,

We are submitting here with "Environmental Statement" in Prescribed Form-5 with necessary supporting documents for financial year ending 31st March, 2020, for M/s. Alembic Pharmaceuticals Limited, API Unit-1, Panelav, P.O Tajpura, Taluka-Halol, Dist-Panchmahl.

Please find herewith enclosed Form-5 for the Financial Year 2019-20.

You are requested to acknowledge the same.

Regards

For Alembic Pharmaceuticals Limited, API Unit-1

Mr. Kalpesh Padaria
AGM Environment

Encl:-A/a



GPCB ID: 18788

April 20, 2020

To,
The Environmental Engineer
Gujarat Pollution Control Board,
Paryavaran Bhavan,
Sector 10-A,
Gandhinagar-382 010.

Subject: **Submission of the Environmental Statement (Form-5) for the Financial Year 2019-20 ending the 31st March, 2020.**

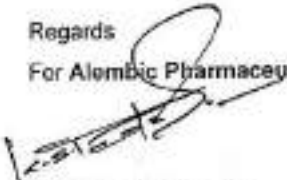
Dear Sir,

We are submitting here with "Environmental Statement" in Prescribed Form-5 with necessary supporting documents for financial year ending 31st March, 2020, for M/s. Alembic Pharmaceuticals Limited, API Unit-1, Panelav, P.O Talpura, Taluka-Halol, Dist-Panchmahal.

Please find herewith enclosed Form-5 for the Financial Year 2019-20.

You are requested to acknowledge the same.

Regards
For Alembic Pharmaceuticals Limited, API Unit-1


Mr. Kalpesh Padaria
AGM Environment

Encl:-A/a

Alembic Pharmaceuticals Ltd., API Unit-1

Form-V 2019-20

Page 1 of 137

ALEMBIC PHARMACEUTICALS LIMITED
API UNIT-I, PANELAV
CIN-L24230GJ2010PLC061123

REGD. OFFICE : ALEMBIC ROAD, VADODARA - 390 003, INDIA • TEL : (02225) 2280000, 2280888 • FAX : (02225) 2284078
Website : www.alembicpharmaceuticals.com • E-mail : alembic@alembic.co.in

FACTORY : VILL. PANELAV, P.O. TALPURA, NR. BASKA, TAL. HALOL, DIST. PANCHMAHAL - 389 350 • TEL : 02876-304809 • FAX : 02876-304177

O/c



ID No. 18788

May 1, 2019

To,
The Environmental Engineer
Gujarat Pollution Control Board,
Paryavaran Bhavan,
Sector 10-A,
Gandhinagar-382 010.

Subject: Environmental Statement for the financial year ending the 31st March, 2019.

Dear Sir,

We are submitting here with "Environmental Statement" in Prescribed Form-V with necessary supporting documents for financial year ending 31st March, 2019, for Alembic Pharmaceuticals Limited (API-Unit I), Panelav, P.O Tajpura Taluka-Halol Dist-Panchmahal.

Please find herewith enclosed Form-V for the year 2018-19.

You are requested to acknowledge the same.

Regards

For Alembic Pharmaceuticals Limited (API-Unit I)

Mr. Kalpesh Padaria
AGM Environment

Encl:-A/a

02/05/19
Gujarat Pollution Control Board
Head Office
Sector No. 10-A,
Gandhinagar-382010.

ALEMBIC PHARMACEUTICALS LIMITED
API UNIT-I, PANELAV
CIN-L24230GJ2010PLC061123

REGD. OFFICE : ALEMBIC ROAD, VADODARA - 390 003, INDIA • TEL : (0260) 2280550, 2280360 • FAX : (0260) 2284074
Website : www.alembicpharmaceuticals.com • E-mail : alembic@alembic.co.in
FACTORY : VIL. PANELAV, P.O. TAJPURA, NR. DASKA, TAL. HALOL, DIST. PANCHMAHAL - 388 350 • TEL : 02679-304303 • FAX : 02679-304177



ID No. 18788

Date: May 17, 2018

To,
The Environmental Engineer
Gujarat Pollution Control Board,
Paryavaran Bhavan,
Sector 10-A,
Gandhinagar-382 010.

Subject: Environmental Statement for the financial year ending the 31st March-2018.

Dear Sir,


We are submitting here with "Environmental Statement " in Prescribed Form-V with necessary supporting documents for financial year ending 31st March-2018, for Alembic Pharmaceuticals Limited (API-Unit 1), Panelav, P.O Tajpura Taluka-Halol Dist-Panchmahl.

Please find herewith enclosed Form No-V for the year 2017-2018.

You are requested to acknowledge the same.

Regards

For Alembic Pharmaceuticals Limited (API-Unit 1)


Kalpesh Padaria
Sr. Manager-Environment

Encl:-A/a


Gujarat Pollution Control Board
Head Office
Sector No. 10-A,
Gandhinagar-382010.

ALEMBIC PHARMACEUTICALS LIMITED
API UNIT-I, PANELAV
CIN-L24230GJ2010PLC061123

REGD. OFFICE : ALEMBIC ROAD, VADODARA - 390 003, INDIA • TEL : (0265) 3280550, 3280680 • FAX : (0265) 3284078
Website : www.alembicpharmaceuticals.com • E-mail : alembic@alembic.co.in
FACTORY : VILL. PANELAV, P.O. TAJPURA, NR. DASKA, TAL. HALOL, DIST. PANCHMAHAL - 389 350 • TEL : 02676-304500 • FAX : 02676-304177

olc



API Division I
Panelav, Panchmahal

ID NO 18788

Date: 09th May 2017.

To,
The Environmental Engineer (Panchmahal Division)
Gujarat Pollution Control Board,
Paryavaran Bhavan,
Sector 10-A,
Gandhinagar-382 010.

Form V

Subject: -Environmental Statement for the Financial year ending the 31st March-2017.

Dear Sir,

We are submitting here with "Environmental Statement" in Prescribed Form-V with necessary supporting documents for financial year ending 31st March-2017, for Alembic Pharmaceuticals Limited (API-Unit-1), Panelav, P.O. Tajpura Taluka-Halol Dist-Panchmahal.

Please find herewith enclosed form no-V for the year 2016-2017.

You are requested to acknowledge the same.

Regards

For Alembic Pharmaceuticals Limited.

Kalpesh Padaria
Sr. Manager -Environment

Gujarat Pollution Control Board
Sector No. 10 A,
Gandhinagar - 382 010

Encl:-A/a

ALEMBIC PHARMACEUTICALS LIMITED
API UNIT - I, PANELAV

REGD. OFFICE : ALEMBIC ROAD, VADODARA - 390 001, INDIA • TEL : (0265) 2280550, 2280880 • FAX : (0265) 2284078
Website : www.alembic-india.com • E-mail : alembic@alembic.co.in

FACTORY : VILL. PANELAV, P.O. TAJPURA, NR. BASKA, TAL. HALOL, DIST. PANCHMAHAL-389 250 • TEL : 02675-304000 • FAX : 02675-304177

CIN-L24230GJ2010PLC061123

End of the Report