

Shriram Vinyl & Chemical Industries, : Kota

(A Unit of DCM Shriram Ltd.)

**Compliance Report of Environmental Clearance No. Fl(4)/SEIAA/SEAC-
Raj/Sectt/Project/Cat.8(b) 'B1' (15054)/16-17 dated 12th July 2017 and amended on
23rd November 2017**


Category – 4(d)-Chlor-Alkali Industry, Cat.-B1

PART A : SPECIFIC CONDITIONS
1. CONSTRUCTION PHASE

S. No.	Conditions				Compliance Status					
	1	The production capacity of the industry shall be limited to production of following products :				Noted				
	Products	Existing Capacity (TPA)	Additional Proposed (TPA)	Total after Expansion (TPA)	Production (MT)					
A. Caustic Soda Plant (Expansion)					Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18
1.	Caustic Soda (100 %) Lye/Flakes	1,13,750	76,250	1,90,000	9260	9943	9303	9766	6672	11678
	By-Product									
1.1	Chlorine or Hydrochloric Acid	1.00 EQ. TO NaOH	1.00 EQ. TO NaOH	1.00 EQ. TO NaOH	1.00 Eq.	1.00 Eq.	1.00 Eq.	1.00 Eq.	1.00 Eq.	1.00 Eq.
1.2	Dilute Sulphuric Acid (72%)	2,450	1,000	3,450	108	96	126	159	79	115
1.3	Sodium Hypo Chlorite	3,500	2,500	6,000	115	162	120	200	84	136
B. Stable Bleaching Powder (Expansion)										
1	Stable Bleaching Powder	21600	20400	42000	1445	1712	1643	1612	1170	1640
	By- Product									
1.1	Sodium Hypo Chlorite (10 %)	2,880	2,720	5,600	As above under item No. 1.3					
C. Hydrogen Bottling (No Expansion)										
1	Hydrogen Bottling	325	Nil	325	9.39	6.70	7.99	9.88	644	13.07
2	The PP shall ensure the implementation of the commitments in respect of addressing Environmental and Social issues. The PP Shall ensure providing 33 % area of the total plant area under green cover.				Being complied with. Out of 791 Acres of Land at DCM Shriram Kota complex. The total 261.8 Acres area is covered with green belt (~ 33.1%).					
3.	That the grant of this E.C. is issued 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 the conditions laid down in all other laws for the time-being in force, rests with the industry/Unit/project proponent.				Statutory condition, complied with.					
4.	As committed, the PP shall earmark and spend an amount of Rs. 121.00 lacs towards capital cost and 10 lac recurring cost on various environmental protection measures and implementation of various activities under Environmental Management Plan.				Total INR 125.08 Lacs spent towards capital investment for Environmental Protection Measures against proposed INR 121.0 Lacs. Recurring cost is in progress and shall be compiled annually in the month of April.					

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5.	The PP shall earmark and spend an amount of Rs. 225 Lacs under CSR (spent over 3 years as Rs. 75 Lacs each year). As per the proposal submitted and the detailed action plan be submitted to RSPCB / SEIAA at the time seeking CTE.	Noted Total amount spent during 2016-17 & 2017-18 is approx. 362 Lacs. The work on CSR activities are in progress as per the plan. However, , the spent amount is compiled annually.																																				
6.	An amount of Rs. 10 Lacs/year shall be spent during construction phase of the expansion project to improve the living conditions of the labor at site and provide health facility, sanitation facility, fuel for cooking along with safe drinking water, medical camps and toilets for women, crèche for infants.	<p>Complied with</p> <p>Total expenditure carried out about INR 8.4 Lacs for providing sanitation & toilets and safe drinking water facility. The balance expenditure made in regular health check-up during project execution phase.</p> <table border="1"> <tr> <td>Sanitation & Toilets</td> <td>INR 6.40 Lacs</td> </tr> <tr> <td>Safe Drinking Water Facility</td> <td>INR 2.0 Lacs</td> </tr> <tr> <td>Regular Health Check-up</td> <td>INR 1.6 Lacs</td> </tr> <tr> <td>Total (INR)</td> <td>10.0 Lacs</td> </tr> </table>	Sanitation & Toilets	INR 6.40 Lacs	Safe Drinking Water Facility	INR 2.0 Lacs	Regular Health Check-up	INR 1.6 Lacs	Total (INR)	10.0 Lacs																												
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7.	The total water consumption shall be limited to 2,985 KLD. For withdrawing ground water from bore wells, necessary permission from CGWA should be taken.	<p>Complied With</p> <p>No ground water being withdrawal, hence CGWA permission is not required. Monthly (Avg.) water consumption are summarized as under :-</p> <p style="text-align: center;">Average Water Consumption (KLD)</p> <table border="1"> <tr> <td>1</td> <td>Apr.-18</td> <td>2000</td> </tr> <tr> <td>2</td> <td>May-18</td> <td>2161</td> </tr> <tr> <td>3</td> <td>Jun-18</td> <td>2239</td> </tr> <tr> <td>4</td> <td>Jul-18</td> <td>2369</td> </tr> <tr> <td>5</td> <td>Aug-18</td> <td>2054</td> </tr> <tr> <td>6</td> <td>Sept-18</td> <td>2411</td> </tr> </table>	1	Apr.-18	2000	2	May-18	2161	3	Jun-18	2239	4	Jul-18	2369	5	Aug-18	2054	6	Sept-18	2411																		
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8.	The PP shall achieve the stack emission standards and ambient air standards as notified under E.P. Rules 1986 and its subsequent amendments.	<p>Complied with.</p> <p>Online emission monitoring system provided with real time data transfer to RSPCB/CPCB servers in addition to quarterly monitoring are being carried out by MoEF approved laboratory.</p> <p style="text-align: center;">Ambient Air Quality Monitoring</p> <table border="1"> <thead> <tr> <th>Parameter</th> <th>Near PVC Plant</th> <th>Near Gail Office</th> <th>Near Railway Siding</th> <th>Near Materia 1 Gate</th> <th>Norms</th> </tr> </thead> <tbody> <tr> <td>PM₁₀ (µg/m³)</td> <td>81.6</td> <td>84.0</td> <td>86.4</td> <td>88.9</td> <td>100</td> </tr> <tr> <td>PM_{2.5} (µg/m³)</td> <td>38.8</td> <td>42.8</td> <td>43.0</td> <td>46.8</td> <td>60</td> </tr> <tr> <td>SO₂ (µg/m³)</td> <td>11.65</td> <td>13.2</td> <td>15.6</td> <td>15.4</td> <td>80</td> </tr> <tr> <td>NO_x (µg/m³)</td> <td>29.2</td> <td>29.9</td> <td>30.5</td> <td>30.1</td> <td>80</td> </tr> <tr> <td>CO (mg/m³)</td> <td>0.60</td> <td>0.79</td> <td>0.83</td> <td>0.69</td> <td>4.0</td> </tr> </tbody> </table>	Parameter	Near PVC Plant	Near Gail Office	Near Railway Siding	Near Materia 1 Gate	Norms	PM ₁₀ (µg/m ³)	81.6	84.0	86.4	88.9	100	PM _{2.5} (µg/m ³)	38.8	42.8	43.0	46.8	60	SO ₂ (µg/m ³)	11.65	13.2	15.6	15.4	80	NO _x (µg/m ³)	29.2	29.9	30.5	30.1	80	CO (mg/m ³)	0.60	0.79	0.83	0.69	4.0
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9.	The PP shall fulfill all the commitments mentioned in its letter dated 05.01.17.	<p>Complied with</p> <table border="1"> <thead> <tr> <th>Item No.</th> <th>Compliance Status</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Solar Street lights & Roof top solar plant in the Guest House Provided</td> </tr> <tr> <td>2</td> <td>Compliance submitted on 05.01.2017</td> </tr> <tr> <td>3</td> <td>Compliance submitted on 05.01.2017</td> </tr> <tr> <td>4</td> <td>Compliance submitted on 05.01.2017</td> </tr> <tr> <td>5</td> <td>Compliance submitted on 05.01.2017</td> </tr> </tbody> </table>	Item No.	Compliance Status	1	Solar Street lights & Roof top solar plant in the Guest House Provided	2	Compliance submitted on 05.01.2017	3	Compliance submitted on 05.01.2017	4	Compliance submitted on 05.01.2017	5	Compliance submitted on 05.01.2017								
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10.	Provision of solar water heating / chilling /street lighting etc shall be explored and implemented.	<p>Complied with.</p> <p>Street Solar lights have been provided.</p>																				
11.	<p>The PP would provide proposal for a peizometric well at suitable locations in the industry and quarterly monitoring of this well water would be done.</p> <p>RSPCB shall monitor the sample of water from this well at the time of monitoring for compliance of CTO/CTE.</p>	<p>Complied with</p> <p>No ground water being extracted for utilization in the plant. Hence, no impact on ground water is envisaged.</p> <p>However, a peizometric bore well is already available at down elevation. The analysis of the same is being carried out periodically.</p>																				
12.	The height of the stack for disbursement of the process emissions shall not be less than 30.00 Mtrs. from ground level.	<p>Complied with</p> <p>30 M stack height provided for Flaker Plant, HCl Scrubber Vent & Hypo Tower Vent.</p>																				
13.	The PP shall operate its unit with prior Consent to Establish and Consent to Operate under the provisions of Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981.	<p>Complied with</p> <p>Consent to Establish for SBP & Caustic Soda Plant have been obtained on 25.01.2018 & 25.05.2018, respectively and Consent to Operate for SBP & Caustic Soda Plant have been obtained on 26.09.2018 & 22.10.2018, respectively..</p>																				
14.	The particulate matter and gaseous emissions (HCl & Cl ₂) from various processes/units/storages shall conform to the standards prescribed by the State Pollution Control Board/ Central Pollution Control Board or under the Environment (Protection) Rules 86 from time to time.	<p>Complied with</p> <p>All applicable parameters being monitored and maintained within prescribed norms. The detailed monitoring reports are submitted regularly</p> <table border="1"> <thead> <tr> <th colspan="4">Stack Emission Monitoring (mg/Nm3)</th> </tr> <tr> <th>Parameter</th> <th>Fusion House</th> <th>HCl Scrubber Vent</th> <th>Hypo Tower Vent</th> </tr> </thead> <tbody> <tr> <td>PM</td> <td>19.24</td> <td>-</td> <td>-</td> </tr> <tr> <td>HCl</td> <td>-</td> <td>5.0</td> <td>-</td> </tr> <tr> <td>Chlorine</td> <td>-</td> <td>-</td> <td>3.75</td> </tr> </tbody> </table>	Stack Emission Monitoring (mg/Nm3)				Parameter	Fusion House	HCl Scrubber Vent	Hypo Tower Vent	PM	19.24	-	-	HCl	-	5.0	-	Chlorine	-	-	3.75
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15.	At no time, the emissions shall go beyond the prescribed standards. In the event of failures of any pollution control system adopted by the units, the unit shall immediately put off operation and shall not restart until the control measures are rectified to achieve the desired efficiency.	<p>Arrangement has been provided & being complied with.</p>																				
16.	Ambient air quantity monitoring stations shall be set up in the down wind direction as well as where maximum ground level	<p>Complied with.</p>																				

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	concentration of PM ₁₀ & PM _{2.5} , SO _x , NO _x , CO (Total) is anticipated in consultation with Rajasthan State Pollution Control Board.	4 Nos. of AAQM stations have been set-up in DCM Shriram Complex, Kota, in consultation with RO, RSPCB, Kota. Approval for location of AAQM station was issued by RSPSB vide letter No. RPCB/RO Kota/K-701/3083 dated 05.01.2012.																																																														
17.	The project proponent shall carry out regular monitoring of air emissions of HCl, Cl ₂ etc. (at source, work environment and ambient air) and assessment of performance of Air pollution control arrangements.	<p>Complied with.</p> <p>Online emission monitoring system provided with real time data transfer to RSPCB/CPCB servers in addition to quarterly monitoring are being carried out by MoEF approved laboratory.</p> <table border="1"> <thead> <tr> <th colspan="6">Ambient Air Quality Monitoring</th> </tr> <tr> <th>Parameter</th> <th>Near PVC Plant</th> <th>Near Gail Office</th> <th>Near Railway Siding</th> <th>Near Material Gate</th> <th>Norms</th> </tr> </thead> <tbody> <tr> <td>PM₁₀ (µg/m³)</td> <td>81.6</td> <td>84.0</td> <td>86.4</td> <td>88.9</td> <td>100</td> </tr> <tr> <td>PM_{2.5} (µg/m³)</td> <td>38.8</td> <td>42.8</td> <td>43.0</td> <td>46.8</td> <td>60</td> </tr> <tr> <td>SO₂ (µg/m³)</td> <td>11.65</td> <td>13.2</td> <td>15.6</td> <td>15.4</td> <td>80</td> </tr> <tr> <td>NO_x (µg/m³)</td> <td>29.2</td> <td>29.9</td> <td>30.5</td> <td>30.1</td> <td>80</td> </tr> <tr> <td>CO (mg/m³)</td> <td>0.60</td> <td>0.79</td> <td>0.83</td> <td>0.69</td> <td>4.0</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="4">Stack Emission Monitoring (mg/Nm³)</th> </tr> <tr> <th>Parameter</th> <th>Fusion House</th> <th>HCl Scrubber Vent</th> <th>Hypo Tower Vent</th> </tr> </thead> <tbody> <tr> <td>PM</td> <td>19.24</td> <td>-</td> <td>-</td> </tr> <tr> <td>HCl</td> <td>-</td> <td>5.0</td> <td>-</td> </tr> <tr> <td>Chlorine</td> <td>-</td> <td>-</td> <td>3.75</td> </tr> </tbody> </table>	Ambient Air Quality Monitoring						Parameter	Near PVC Plant	Near Gail Office	Near Railway Siding	Near Material Gate	Norms	PM ₁₀ (µg/m ³)	81.6	84.0	86.4	88.9	100	PM _{2.5} (µg/m ³)	38.8	42.8	43.0	46.8	60	SO ₂ (µg/m ³)	11.65	13.2	15.6	15.4	80	NO _x (µg/m ³)	29.2	29.9	30.5	30.1	80	CO (mg/m ³)	0.60	0.79	0.83	0.69	4.0	Stack Emission Monitoring (mg/Nm ³)				Parameter	Fusion House	HCl Scrubber Vent	Hypo Tower Vent	PM	19.24	-	-	HCl	-	5.0	-	Chlorine	-	-	3.75
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18.	Portholes and sampling facilities shall be provided for the stacks emissions monitoring as per the CPCB guidelines. Stack emissions shall be monitored in consultation with RPCB.	<p>Complied with.</p> <p>Portholes and sampling facilities have been provided as per CPCB guidelines and Stack emissions are being monitored in consultation with RPCB. The last emission monitoring have been carried out by RSPCB laboratory on 12th September 2018. The reported results as under :</p> <table border="1"> <thead> <tr> <th>Location</th> <th>Parameter</th> <th>Values (mg/Nm³)</th> <th>Norms (mg/Nm³)</th> </tr> </thead> <tbody> <tr> <td>HCL Tail Gas Tower Vent</td> <td>HCl</td> <td>12.17</td> <td>32</td> </tr> <tr> <td>Hypo Tower Vent</td> <td>Chlorine</td> <td>4.73</td> <td>12</td> </tr> <tr> <td>Fusion* House</td> <td>PM</td> <td>19.24</td> <td>100</td> </tr> </tbody> </table> <p>* Monitoring carried out by MoEF Approved Laboratory</p>	Location	Parameter	Values (mg/Nm ³)	Norms (mg/Nm ³)	HCL Tail Gas Tower Vent	HCl	12.17	32	Hypo Tower Vent	Chlorine	4.73	12	Fusion* House	PM	19.24	100																																														
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19.	The PP shall draw the Safety Health & Environment (SHE) Plan and submit to RPCB.	<p>Complied with</p> <p>The detailed annual safety plan has been submitted.</p>																																																														

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20.	Data on ambient air quality and stack emissions shall be submitted to RPCB, once in six months carried out by MoEF / NABL / CPCB / Govt. approved lab.	<p>Complied with</p> <p>Quarterly AAQ & Stack Emissions Monitoring are being carried out by RPCB/MoEF approved laboratory. The last monitoring carried out by RSPCB laboratory during 30th Aug. 2018 & 12th September 2018. All the values reported vide letter dated 16th Oct. 2018 were well within the prescribed norms.</p> <table border="1"> <thead> <tr> <th>Location</th> <th>Parameter</th> <th>Values (mg/Nm3)</th> <th>Norms (mg/Nm3)</th> </tr> </thead> <tbody> <tr> <td>HCL Tail Gas Tower Vent</td> <td>HCl</td> <td>12.17</td> <td>32</td> </tr> <tr> <td>Hypo Tower Vent</td> <td>Chlorine</td> <td>4.73</td> <td>12</td> </tr> </tbody> </table> <p style="text-align: center;">Ambient Air Quality Monitoring</p> <table border="1"> <thead> <tr> <th>Parameter</th> <th>Near PVC Plant</th> <th>Near Gail Office</th> <th>Near Railway Siding</th> <th>Near Material Gate</th> <th>Norms</th> </tr> </thead> <tbody> <tr> <td>PM₁₀ (µg/m³)</td> <td>95.0</td> <td>74.0</td> <td>81.0</td> <td>87.0</td> <td>100</td> </tr> <tr> <td>SO₂ (µg/m³)</td> <td>2.81</td> <td>3.67</td> <td>5.67</td> <td>6.59</td> <td>80</td> </tr> <tr> <td>NO_x (µg/m³)</td> <td>7.36</td> <td>8.61</td> <td>9.34</td> <td>10.13</td> <td>80</td> </tr> </tbody> </table>	Location	Parameter	Values (mg/Nm3)	Norms (mg/Nm3)	HCL Tail Gas Tower Vent	HCl	12.17	32	Hypo Tower Vent	Chlorine	4.73	12	Parameter	Near PVC Plant	Near Gail Office	Near Railway Siding	Near Material Gate	Norms	PM ₁₀ (µg/m ³)	95.0	74.0	81.0	87.0	100	SO ₂ (µg/m ³)	2.81	3.67	5.67	6.59	80	NO _x (µg/m ³)	7.36	8.61	9.34	10.13	80
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21.	The PP shall provide separate drainage and outlets with the precaution that the storm water shall not come into contact with waste sludge.	<p>Complied with</p> <p>Arrangement has been provided & maintained.</p>																																				
22.	The unit shall obtain proper authorization from Rajasthan State Pollution Control Board, if it generates any waste which falls under the purview of HWMHR- 2008.	<p>Complied with.</p> <p>Combined authorization for DCM Shriram Complex, Kota has been obtained covering applicable hazardous waste of Chlor-Alkali plant waste under HWMHR-2016 and same is valid till 30.11.2021.</p>																																				
23.	Handling, manufacture, storage and transportation of Hazardous chemicals shall be in accordance with the Manufacture, Storage, and Import of Hazardous chemicals Rules, 1989 (amended till date).	Being complied with.																																				
24.	Adequate measures for the control of noise shall be taken so as to keep the noise levels below 85 dB(A) in the work environment. Persons working near the machines shall be provided well-designed ear muffs/plugs and other personnel protective equipments.	<p>Complied with.</p> <p>Work environment noise level is maintained below 85 dB(A). However, Ear muffs/plugs and other PPEs are provided to persons working near the noise machine area. The latest noise level in the work environment are summarized as under:</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Location</th> <th>Noise level (dB(A))</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Cell House Area</td> <td>65</td> </tr> <tr> <td>2</td> <td>Cell House Control</td> <td>61</td> </tr> </tbody> </table>	S. No.	Location	Noise level (dB(A))	1	Cell House Area	65	2	Cell House Control	61																											
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25.	Suitable alarm system and standard procedure for transmitting the information on the occurrence of an accident to the proper focal point shall be established.	Alarm system and standard procedure have been established & maintained.																																																																																																		
26.	Efforts shall be made to increase green belt all around the premises. Native plant species shall be selected for this purpose in consultation with the local Forest Department. A green belt development plan be prepared and implemented so as to cover at least 33 % area of the plot size.	<p>Out of 791 Acres of Land at DCM Shriram Kota complex. The total 261.8 Acres area is covered with green belt (~ 33.1%).</p> <table border="1"> <thead> <tr> <th colspan="2">Plants-Species Type</th> </tr> <tr> <th>S No</th> <th>Type of tree plants</th> </tr> </thead> <tbody> <tr><td>1</td><td>NEEM</td></tr> <tr><td>2</td><td>MAULSARI</td></tr> <tr><td>3</td><td>AMALTAS</td></tr> <tr><td>4</td><td>KARANGE</td></tr> <tr><td>5</td><td>KACHNAR</td></tr> <tr><td>6</td><td>MANGO</td></tr> <tr><td>7</td><td>PIPPLE</td></tr> <tr><td>8</td><td>SEESAM</td></tr> <tr><td>9</td><td>BARGAD</td></tr> <tr><td>10</td><td>LEMON</td></tr> <tr><td>11</td><td>GUAVA</td></tr> <tr><td>12</td><td>EUCALIPTIS</td></tr> <tr><td>13</td><td>JAMUN</td></tr> <tr><td>14</td><td>MELBERRY</td></tr> <tr><td>15</td><td>CASIA SYAMA</td></tr> <tr><td>16</td><td>GULMOHAR</td></tr> <tr><td>17</td><td>ASHOKA</td></tr> <tr><td>18</td><td>BOTTEL PALM</td></tr> <tr><td>19</td><td>CHINA PALM</td></tr> <tr><td>20</td><td>CHARREL</td></tr> <tr><td>21</td><td>NARIUM</td></tr> <tr><td>22</td><td>AONLA</td></tr> <tr><td>23</td><td>CHEERAS</td></tr> <tr><td>24</td><td>GULLAR</td></tr> <tr><td>25</td><td>DHONKARA</td></tr> <tr><td>26</td><td>ADAK CHANDAN</td></tr> <tr><td>27</td><td>ARESTROMIA</td></tr> <tr><td>28</td><td>POPLER</td></tr> <tr><td>29</td><td>TEAK</td></tr> <tr><td>30</td><td>SENJANA</td></tr> <tr><td>31</td><td>SILVER OAK</td></tr> <tr><td>32</td><td>MAHUA</td></tr> <tr><td>33</td><td>RUBBER PLANT</td></tr> <tr><td>34</td><td>KIKKER</td></tr> <tr><td>35</td><td>SEERUS</td></tr> <tr><td>36</td><td>KESIA RENIJARA</td></tr> <tr><td>37</td><td>LASODA</td></tr> <tr><td>38</td><td>IMALI</td></tr> <tr><td>39</td><td>SEEMAL</td></tr> <tr><td>40</td><td>JEKAYRANDA</td></tr> <tr><td>41</td><td>PALAS</td></tr> <tr><td>42</td><td>MEETHA NEEM</td></tr> <tr><td>43</td><td>KHENJARA</td></tr> <tr><td>44</td><td>BEER</td></tr> <tr><td>45</td><td>KHER</td></tr> <tr><td>46</td><td>ARJUN</td></tr> <tr><td>47</td><td>BABOOL</td></tr> </tbody> </table>	Plants-Species Type		S No	Type of tree plants	1	NEEM	2	MAULSARI	3	AMALTAS	4	KARANGE	5	KACHNAR	6	MANGO	7	PIPPLE	8	SEESAM	9	BARGAD	10	LEMON	11	GUAVA	12	EUCALIPTIS	13	JAMUN	14	MELBERRY	15	CASIA SYAMA	16	GULMOHAR	17	ASHOKA	18	BOTTEL PALM	19	CHINA PALM	20	CHARREL	21	NARIUM	22	AONLA	23	CHEERAS	24	GULLAR	25	DHONKARA	26	ADAK CHANDAN	27	ARESTROMIA	28	POPLER	29	TEAK	30	SENJANA	31	SILVER OAK	32	MAHUA	33	RUBBER PLANT	34	KIKKER	35	SEERUS	36	KESIA RENIJARA	37	LASODA	38	IMALI	39	SEEMAL	40	JEKAYRANDA	41	PALAS	42	MEETHA NEEM	43	KHENJARA	44	BEER	45	KHER	46	ARJUN	47	BABOOL
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27.	A qualified person in the filed of environment of separate Environment Management Cell to be established to implement and carry out various functions is set up under the control of a Seniors Executive who will report directly to the head of the project.	Well equipped central Environment Management Cell is available with proper organization structure with reporting to resident head.																																																																																																		

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28.	The PP will ensure that no employee or worker remains on duty within the plant premises for more than 8 hours per day in one stretch in normal conditions. However based on plant operation and maintenance tasks, overtime can be provided as per the Rajasthan Factories rules for personnel deployed for more than 8 hours.	Being complied with.
29.	The PP shall ensure taking necessary steps on urgent basis to improve the living conditions of the labour at the site and provide health facility, sanitation facility, fuel for cooking, along with safe drinking water, medical camps, and toilets for women, crèche for infants.	Being complied with.
30.	The funds earmarked for the environmental protection measures shall be kept in separate account and shall not be diverted for other purposes and year wise expenditure shall be reported to the Rajasthan State Pollution Control Board under the rules prescribed for environmental audit.	Being complied with. The reported expenditure for period 2017-18 under the rules prescribed for Environment audit (form V) are as under : Capital Exp.: 363.3 Lac O&M Exp. : 65 Lacs
31.	The PP shall ensure that, the EC letter as well as the status of the compliance of EC conditions and the monitoring data are placed on company's website and displayed at the project site.	Being complied with. http://www.dcmshriram.com/Chlor-Alkali
32.	The SEIAA, Rajasthan reserve the right to add new conditions modify/annual any condition and/or to revoke the clearance if implementation of any of the aforesaid condition/other stipulations imposed by the competent authorities is not satisfactory. Six monthly compliance status reports on project along with the implementation of environmental measures shall be submitted to MoEF, regional Office, Lucknow and RPCB and SEIAA, Raj.	Noted Being complied with. Last six monthly compliance reports sent to the prescribed authority on 20 th June 2018.
33.	The Environmental clearance is subject to the condition that PP shall obtain prior clearance from forestry and wildlife angle including clearance from the standing committee of the National Board for Wild life as applicable. Further , it is categorically stated that grant of environmental clearance does not necessarily imply that forestry and wild life clearance shall be granted to the project and that their proposal for forestry and wildlife clearance will be considered by the respective authorities on their merits and decision taken. The investment made in the project, if any, based on environmental clearance so granted, in anticipation of the clearance from forestry and wild life angle shall be entirely at the cost and risk of the project proponent and Authority of Ministry of Environment & Forests shall not be responsible in this regard in any manner.	Noted (Applied for NBWL on 6 th July 2017 clearance) Dy. Conservator of Forest-Wildlife with team has inspected the site on 2 nd December 2017 and forwarded recommendation to State Committee of Wildlife. The proposal has been approved by State wild life standing committee/state wild life board and forwarded to NBWL for final approval.

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B	GENEARAL CONDITIONS	
1.	The environment safe guards contained in Form 1-A shall be implemented in latter and sprit.	Being complied with
2.	Six monthly monitoring reports shall be submitted to SEIAA, Rajasthan and Rajasthan State Pollution Control Board.	Being complied with. Last six monthly compliance report sent to

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S. No.	Conditions	Compliance Status
		the prescribed authority on 20 th June 2018.
3.	Officials of the RPCB, who would be monitoring the implementation of environmental safe guards, shall be given full cooperation facilities and documents/ data by the PP, during their inspection. A complete set of the documents submitted to SEIAA, Rajasthan shall be forwarded in the DoE, Rajasthan and Rajasthan State Pollution Control Board.	Being complied with.
4.	In case of any change(s) in the scope of the project, the PP requires appraisal SEIAA/SEAC, Rajasthan.	Noted
5.	The SEIAA/SEAC, Rajasthan reserves the right to add additional safe guard measures subsequently , if found necessary , and to take action including revoking of the environmental clearance under the provisions of the Environment (Protection) Act-1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Noted
6.	All the other statutory clearance such as the approvals for storage of diesel from the chief Controller of Explosives, Fire department, Civil Aviation Department, Forest Conservation Act, 1980 and Wild life (protection) Act, 1972 etc. shall be obtained as may be applicable., by PP from the competent authority.	Applicable clearance/approvals have been obtained.
7.	The pp Shall ensure advertising in at least two local news papers widely circulated in the region one of which shall be in vernacular language that, the project has been accorded environmental clearance and copies of the clearance letters are available with SEIAA, Rajasthan and the Rajasthan State Pollution Control Board and may also be seen on the website of the Board at www.rpcb.nic.in . The advertisement shall be made within 7 (seven) days from the date of issue of the environmental clearance and a copy shall be forwarded to the SEIAA, Rajasthan and Regional Office , Jaipur (S) of the Board.	Published on 19 th July in Rajasthan Patrika & Dainik Bhaskar.
8.	These stipulations would also be enforced amongst the others under the provisions of Water (prevention and Control of Pollution) Act, 1974 the Air(Prevention and Control of Pollution) Act, 1981, The Environment (Protection) Act, 1986 The Public Liability (Insurance) Act, 1991 and EIA Notification 06.	Noted
9.	Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the proponent, if it is found that construction of the project has been started without obtaining environmental clearance.	Noted
10.	Environment clearance is subject to final order the Honb'le Supreme Court of India in the matter of Goa Foundation Vs Union of India in Writ Petition (Civil) No. 460 of the year 2004 as may be applicable to this project.	Noted (Applied for NBWL on 6 th July 2017 clearance) Dy. Conservator of Forest-Wildlife with team has inspected the site on 2 nd December 2017 and forwarded recommendation to State Committee of Wildlife. The proposal has been approved by State wild life standing committee/state wild life board and forwarded to NBWL for final approval.
11.	The Environmental clearance is subject to the specific condition that PP shall obtain prior clearance from forestry and wildlife angle including clearance from the standing	Noted

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	<p>committee of the National Board for Wild life as applicable. Further , it is categorically stated that grant of environmental clearance does not necessarily imply that forestry and wild life clearance shall be granted to the project and that their proposal for forestry and wildlife clearance will be considered by the respective authorities on their merits and decision taken. The investment made in the project, if any, based on environmental clearance so granted, in anticipation of the clearance from forestry and wild life angle shall be entirely at the cost and risk of the project proponent and Authority of Ministry of Environment & Forests shall not be responsible in this regard in any manner.</p>	<p>(Applied for NBWL on 6th July 2017 clearance)</p> <p>Dy. Conservator of Forest-Wildlife with team has inspected the site on 2nd December 2017 and forwarded recommendation to State Committee of Wildlife.</p> <p>The proposal has been approved by State wild life standing committee/state wild life board and forwarded to NBWL for final approval.</p>

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