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# SHREE CEMENT LTD.



Regd. Office & Works :

BANGUR NAGAR, POST BOX NO.33, BEAWAR 305 901, RAJASTHAN, INDIA

Shree Cement Ltd., Village Akabarpur Oud, Tehsil, Laksar, Distt. Haridwar (Uttarakhand)-247663

SCL/RGU/ENV/EC/2019-20/23

Date : 24/05/2019  
Regd. A.D.

To  
Dr. S.C. Katiyar,  
Government of India,  
Ministry of Environment, Forest & Climate Change,  
North Central Regional Office,  
25<sup>th</sup> Subhash Road, Dehradun, Uttarakhand - 248001.

**Sub:** Reg. Half Yearly Compliance Report of the Environment Clearance from Oct-18 to Mar-19 for Clinker Grinding Unit of Shree Cement Ltd. situated near Village Akabarpur Oud, Tehsil Laksar, Distt. Haridwar, Uttarakhand - 247663

**Ref: - Environmental Clearance letter no. SEIAA-EC-1/2009/35 Dated 8<sup>th</sup> June, 2009**

Dear Sir,

With reference to the above subject matter, we are submitting herewith the point wise compliance report of above environment clearance conditions for Clinker Grinding Unit of Shree Cement Ltd situated near Village Akabarpur Oud, Tehsil Laksar, Distt. Haridwar, Uttarakhand.

This is for your kind information please.

Thanking you,  
Yours faithfully,

For Shree Cement Ltd.

For Shree Cement Ltd., Laksar

  
Authorised Signatory

(Kundan Singh)  
(Unit In-Charge)

Encl.: EC Compliance Report

Copy to: -

1. The Director, (Monitoring Cell), Ministry of Environment, Forests & Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi - 110 003 (India).
2. The Member Secretary, Uttarakhand Environment Protection & Pollution Control Board, Gaura Devi Paryavaran Bhawan, 46-B IT Park, Sahastradhara Road, Dehradun, Uttarakhand-248001

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JAIPUR OFFICE : A-6, Yudhishter Marg, Opp. Yojana Bhawan, C-Scheme, Jaipur 302 005

Phone : 0141 2362340, 2223917, 2223918 Fax 0141 2224841

NEW DELHI OFFICE : 122-123, Hans Bhawan, 1, Bahadurshah Zafar Marg, New Delhi 110 002

Phone : 011 23370828, 23379218, 23370776, Fax : 011 23370499

CORP. OFFICE : 21, Strand Road, Kolkata 700 001 Phone : 033 22309601-5 Fax : 033 22434226

## SHREE CEMENT LIMITED

**Address** : Village - Akabarpur Oud, Tehsil - Laksar, Distt. Haridwar, (Uttarakhand)-247663  
**Name of the Project** : Compliance Status of Environment Clearance  
**Clearance Letter No.** : SEIAA-EC-1/2009/35 Dated 8<sup>th</sup> June, 2009  
**Period of Compliance Report** : Oct-18 to Mar-19

Specific Conditions		
Sr.	Conditions	Compliance Status
i	The particulate matter emissions from various sources shall not exceed 50 mg/Nm <sup>3</sup> . The fugitive emissions during loading and unloading shall be suitably controlled. Bag house/ filters shall be provided to control air emissions to achieve the prescribed standards.	Bag house has been installed at the stack of cement mill to control the particulate matter emissions. PM emission level is well within 30 mg/Nm <sup>3</sup> as per MOEF&CC Gazette Notification dated 25 <sup>th</sup> Aug-2014. Bag filters have been provided at various material transfer & loading/unloading points to control the fugitive emissions.
ii	The locations of ambient air monitoring stations shall be set up as per statutory requirement in consultation with the Uttarakhand Environment Protection & Pollution Control Board and additional stations shall be installed, if required, in the downwind direction as well as where maximum ground level concentrations are anticipated. The findings of the air quality monitoring shall be displayed in display board at appropriate locations.	The locations for ambient air monitoring have been set up in consultation with the Uttarakhand Environment Protection & Pollution Control Board and data of air quality monitoring are being displayed at factory main gate.
iii	The company shall obtain permission for drawl of 150m <sup>3</sup> /day ground water from the Central Ground Water Authority/ Central Ground Water Board and copy of the same shall be submitted to the State Level Environment Impact Assessment Authority and Uttarakhand Environment Protection and Pollution Control Board within three months from date of issue of this letter.	We have obtained permission for with - drawl of 150m <sup>3</sup> /day ground water from the Central Ground Water Authority their vide letter No. Letter No. 21-4(24)/UR/CGWA/2009-1300 dated 12 <sup>th</sup> Aug-2015 valid for three years. Further, we have already applied for renewal vide our letter dated 18.06.2018. A copy of NOC has been submitted to the State Level Environment Impact Assessment Authority and Uttarakhand Environment Protection and Pollution Control Board.
iv	Green belt shall be developed at least in 33% of plant area to mitigate the effect of fugitive emissions all around the plant as per the guidelines of Central Pollution Control Board.	Green belt development is ongoing process. Total plant area is 109600 meter <sup>2</sup> out of which plantation has been completed in 38.5% area with 8590 nos. of plants. During period of Oct to Mar, 75 nos. plants planted & 65 nos. survived.
v	The project authorities shall transport the raw materials and cement in covered means to avoid fugitive emission during transport, with arrangement of dust collector at all the material transportation points	Raw materials & cement are being transported by covered conveyor belts/ air slides & dust collectors are provided at various material transfer points to control the fugitive emissions.
vi	All the roads shall be concreted and vacuum swept and concerned conveyor belt shall be provided for handling of material.	All roads & truck parking area are concreted & vacuum sweeping machine are used on regular basis. Covered conveyor belts have been provided for handling of material.
vii	All the recommendations mentioned in the CREP guideline for the cement plants shall be followed and complied, and compliance report shall be forwarded to State Level Environment Impact Assessment Authority and State Board.	All CREP conditions are complied and followed. Compliance report submitted to the State Level Environment Impact Assessment Authority and State Board.
viii	This Clearance is valid only for clinker grinding; the unit will not install any cement kiln.	Yes, this clearance is valid only for clinker grinding & we will not install any cement kiln.

GENERAL CONDITIONS																																																																																																																																													
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i	The project authorities shall strictly adhere to the stipulations of the SPCB/state government or any statutory body.	Yes, the Unit is complying with all the stipulations made by the UEPPCB, CGWA, MOEF&CC and state government or any statutory body.																																																																																																																																											
ii	All other necessary statutory clearance from the concerned Departments including No Objection Certificates from the Uttarakhand Pollution Control Board (Uttarakhand PCB) shall be obtained prior to commencement of construction and/or operation	We have obtained consent to operate from Uttarakhand PCB prior the plant operation vide Board's Consent no. 39387/767 and HW Authorization no. 767 vide letter no. UEPPCB/HO/Con-S/191/2019/291 dt 16/05/2019. This is valid upto 31.03.2021.																																																																																																																																											
iii	No further expansion or modifications in the plant shall be carried out without prior approval of the competent authority. In case of deviations or alterations in the project proposal from those submitted to this competent authority for clearance, a fresh reference shall be made to the authority to assess the adequacy of conditions imposed & to add additional environmental protection measures required, if any.	Yes, for further expansion or modification we shall take prior approval from the concerned authority.																																																																																																																																											
iv	At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	Stack emission level is well within the prescribed limit of 30 mg/Nm <sup>3</sup> . Bag house is attached with cement mill which is always in operation with cement mill. Online monitoring system is provided with cement mill bag house stack. Data of stack emissions is given below: <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th colspan="3">Cement Mill Bag House Stack; Limit – 30 (mg/Nm<sup>3</sup>)</th> </tr> <tr> <th>S. No.</th> <th>Month</th> <th>PM (mg/Nm<sup>3</sup>)</th> </tr> </thead> <tbody> <tr><td>1</td><td>Oct-18</td><td>23</td></tr> <tr><td>2</td><td>Nov-18</td><td>25</td></tr> <tr><td>3</td><td>Dec-18</td><td>20</td></tr> <tr><td>4</td><td>Jan-19</td><td>23</td></tr> <tr><td>5</td><td>Feb-19</td><td>21</td></tr> <tr><td>6</td><td>Mar-19</td><td>19</td></tr> </tbody> </table>											Cement Mill Bag House Stack; Limit – 30 (mg/Nm <sup>3</sup> )			S. No.	Month	PM (mg/Nm <sup>3</sup> )	1	Oct-18	23	2	Nov-18	25	3	Dec-18	20	4	Jan-19	23	5	Feb-19	21	6	Mar-19	19																																																																																																									
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v	The gaseous emissions (SO <sub>2</sub> , NO <sub>x</sub> ) and particulate matter along with RSPM levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time and values obtained shall be displayed in display board.	Ambient air quality is monitored according to prescribed standards of board and values are being displayed at the factory main gate. Data of Ambient Air Quality Monitoring is given below: <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th colspan="13">Ambient Air Quality at Plant Boundary in µg/m<sup>3</sup></th> </tr> <tr> <th rowspan="2">Location</th> <th colspan="4">Main Gate</th> <th colspan="4">CCR Building</th> <th colspan="4">Diesel Pump</th> </tr> <tr> <th>PM 10</th> <th>PM 2.5</th> <th>SO<sub>2</sub></th> <th>NO<sub>x</sub></th> <th>PM 10</th> <th>PM 2.5</th> <th>SO<sub>2</sub></th> <th>NO<sub>x</sub></th> <th>PM 10</th> <th>PM 2.5</th> <th>SO<sub>2</sub></th> <th>NO<sub>x</sub></th> </tr> </thead> <tbody> <tr> <td>Annual L→ Month↓</td> <td><b>60</b></td> <td><b>40</b></td> <td><b>50</b></td> <td><b>40</b></td> <td><b>60</b></td> <td><b>40</b></td> <td><b>50</b></td> <td><b>40</b></td> <td><b>60</b></td> <td><b>40</b></td> <td><b>50</b></td> <td><b>40</b></td> </tr> <tr><td>Oct-18</td><td>50</td><td>31</td><td>11.7</td><td>12.6</td><td>47</td><td>28</td><td>10.5</td><td>11.3</td><td>54</td><td>33</td><td>13.7</td><td>16.3</td></tr> <tr><td>Nov-18</td><td>51</td><td>32</td><td>11.4</td><td>12.0</td><td>49</td><td>31</td><td>10.4</td><td>10.9</td><td>53</td><td>34</td><td>13.2</td><td>14.8</td></tr> <tr><td>Dec-18</td><td>49</td><td>30</td><td>12.2</td><td>12.7</td><td>48</td><td>27</td><td>10.9</td><td>11.5</td><td>52</td><td>32</td><td>14.2</td><td>17.3</td></tr> <tr><td>Jan-19</td><td>48</td><td>29</td><td>11.6</td><td>11.9</td><td>44</td><td>28</td><td>10.3</td><td>11.0</td><td>51</td><td>33</td><td>13.0</td><td>15.3</td></tr> <tr><td>Feb-19</td><td>50</td><td>33</td><td>12.0</td><td>12.8</td><td>46</td><td>31</td><td>9.8</td><td>10.2</td><td>53</td><td>35</td><td>14.3</td><td>16.5</td></tr> <tr><td>Mar-19</td><td>51</td><td>32</td><td>11.8</td><td>13.2</td><td>47</td><td>30</td><td>10.5</td><td>11.0</td><td>54</td><td>33</td><td>13.2</td><td>15.5</td></tr> </tbody> </table>											Ambient Air Quality at Plant Boundary in µg/m <sup>3</sup>													Location	Main Gate				CCR Building				Diesel Pump				PM 10	PM 2.5	SO <sub>2</sub>	NO <sub>x</sub>	PM 10	PM 2.5	SO <sub>2</sub>	NO <sub>x</sub>	PM 10	PM 2.5	SO <sub>2</sub>	NO <sub>x</sub>	Annual L→ Month↓	<b>60</b>	<b>40</b>	<b>50</b>	<b>40</b>	<b>60</b>	<b>40</b>	<b>50</b>	<b>40</b>	<b>60</b>	<b>40</b>	<b>50</b>	<b>40</b>	Oct-18	50	31	11.7	12.6	47	28	10.5	11.3	54	33	13.7	16.3	Nov-18	51	32	11.4	12.0	49	31	10.4	10.9	53	34	13.2	14.8	Dec-18	49	30	12.2	12.7	48	27	10.9	11.5	52	32	14.2	17.3	Jan-19	48	29	11.6	11.9	44	28	10.3	11.0	51	33	13.0	15.3	Feb-19	50	33	12.0	12.8	46	31	9.8	10.2	53	35	14.3	16.5	Mar-19	51	32	11.8	13.2	47	30	10.5	11.0	54	33	13.2	15.5
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vi	<p>The company shall undertake following Waste Minimization measures.</p> <ul style="list-style-type: none"> <li>• Reuse of by-products from the process as raw materials or as raw materials substitutes in other processes.</li> <li>• Use of Closed pneumatic system for transport of fine materials.</li> <li>• All Venting systems shall be connected with dust arresting equipment.</li> <li>• Dust collect in pollution control equipment shall be reused.</li> </ul>	<p>There is no solid waste generation from the plant process. Dust collected in bag filters/ bag house is being recycled back into the system.</p>																																																																																																																																																																																															
vii	<p>Fugitive emissions in the work zone environment, product and raw materials storage area shall be regularly monitored. The emissions shall conform to the limits imposed by the State Pollution Control Boards/ Central Pollution Control Board.</p>	<p>Fugitive emissions are being monitored &amp; maintained according to prescribed guideline of CPCB. Monitoring data are given below:</p> <table border="1" data-bbox="1131 323 2036 507"> <thead> <tr> <th colspan="7"><b>Fugitive Emission Monitoring : all values in <math>\mu\text{g}/\text{m}^3</math></b></th> </tr> <tr> <th><b>Location</b>↓</th> <th colspan="6"><b>(Limits: 5000 <math>\mu\text{g}/\text{m}^3</math>)</b></th> </tr> <tr> <th><b>Month</b>→</th> <th><b>Oct-18</b></th> <th><b>Nov-18</b></th> <th><b>Dec-18</b></th> <th><b>Jan-19</b></th> <th><b>Feb-19</b></th> <th><b>Mar-19</b></th> </tr> </thead> <tbody> <tr> <td>Raw Material Handling</td> <td>3015</td> <td>3134</td> <td>3226</td> <td>2978</td> <td>3029</td> <td>2897</td> </tr> <tr> <td>Cement Mill Area</td> <td>3448</td> <td>3252</td> <td>3306</td> <td>3122</td> <td>3218</td> <td>3096</td> </tr> <tr> <td>Packing Plant Area</td> <td>3618</td> <td>3404</td> <td>3442</td> <td>3260</td> <td>3485</td> <td>3347</td> </tr> </tbody> </table>	<b>Fugitive Emission Monitoring : all values in <math>\mu\text{g}/\text{m}^3</math></b>							<b>Location</b> ↓	<b>(Limits: 5000 <math>\mu\text{g}/\text{m}^3</math>)</b>						<b>Month</b> →	<b>Oct-18</b>	<b>Nov-18</b>	<b>Dec-18</b>	<b>Jan-19</b>	<b>Feb-19</b>	<b>Mar-19</b>	Raw Material Handling	3015	3134	3226	2978	3029	2897	Cement Mill Area	3448	3252	3306	3122	3218	3096	Packing Plant Area	3618	3404	3442	3260	3485	3347																																																																																																																																																					
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viii	<p>The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).</p>	<p>We are maintaining overall noise level in and around the plant area well within the prescribed standards 85 dB (A). The ambient noise levels are well within the standards prescribed under EPA Rules viz. 75 dB (A) (Day time) and 70 dB (A) (Night time.) Data of Noise Level Monitoring inside the factory premises, D.G. Set &amp; at plant boundary is given below:</p> <table border="1" data-bbox="1131 662 2036 903"> <thead> <tr> <th colspan="12"><b>Ambient Noise Level at Plant Boundary: All values in dB (A)</b></th> </tr> <tr> <td colspan="12">Limits: Day Time – 75 dB (A); Night time – 70 dB (A)</td> </tr> <tr> <td colspan="12">Day time: 06:00 AM-10:00 PM &amp; Night time: 10:00 PM to 06:00 AM</td> </tr> <tr> <th><b>Months</b>→</th> <th colspan="2"><b>Oct-18</b></th> <th colspan="2"><b>Nov-18</b></th> <th colspan="2"><b>Dec-18</b></th> <th colspan="2"><b>Jan-19</b></th> <th colspan="2"><b>Feb-19</b></th> <th colspan="2"><b>Mar-19</b></th> </tr> <tr> <th><b>Location</b>↓</th> <th><b>Day</b></th> <th><b>Night</b></th> <th><b>Day</b></th> <th><b>Night</b></th> <th><b>Day</b></th> <th><b>Night</b></th> <th><b>Day</b></th> <th><b>Night</b></th> <th><b>Day</b></th> <th><b>Night</b></th> <th><b>Day</b></th> <th><b>Night</b></th> </tr> </thead> <tbody> <tr> <td>Main Gate</td> <td>64.5</td> <td>58.3</td> <td>65.3</td> <td>59.6</td> <td>65.8</td> <td>58.6</td> <td>63.6</td> <td>57.8</td> <td>64.3</td> <td>56.4</td> <td>64.1</td> <td>55.7</td> </tr> <tr> <td>CCR Building</td> <td>61.4</td> <td>55.1</td> <td>61.6</td> <td>54.2</td> <td>60.4</td> <td>53.7</td> <td>60.4</td> <td>52.4</td> <td>59.7</td> <td>51.8</td> <td>60.2</td> <td>52.3</td> </tr> <tr> <td>Diesel Pump</td> <td>62.8</td> <td>56.4</td> <td>63.4</td> <td>56.7</td> <td>64.3</td> <td>57.2</td> <td>61.9</td> <td>54.6</td> <td>62.6</td> <td>55.1</td> <td>63.6</td> <td>53.8</td> </tr> </tbody> </table> <table border="1" data-bbox="1131 932 2036 1233"> <thead> <tr> <th colspan="9"><b>Noise Level Inside the Premises: All values in dB (A)</b></th> </tr> <tr> <td colspan="9">Limits : Work Zone - 85 dB (A) ; D.G. 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ix	<p>The company shall develop rain water harvesting structures to harvest the runoff water for recharge of ground water.</p>	<p>Rain water harvesting structures have been developed to harvest the runoff water of rooftop &amp; concreted area for recharge of ground water. Unit is having Rain Water Harvesting capacity is <b>81456 m<sup>3</sup>/annum</b>.</p>																																																																																																																																																																																															
x	<p>Occupational health and safety measures shall be undertaken. Periodic monitoring for exposure to dust on the workers should be conducted and records maintained including health records of the workers. The company shall engage a doctor who is trained in occupational health.</p>	<p>Personnel protective equipment's have been provided to all the persons to avoid direct exposure to dust. Occupational health and safety measures are being undertaken and periodic monitoring is being conducted to monitor the dust exposure on the workers &amp; records of the same are maintained as per factory's act including health records of the workers.</p>																																																																																																																																																																																															

<b>xi</b>	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment. The eco-development plan should be submitted to the SPCB within three months of receipt of this letter for approval followed by its implementation.	As per the eco- developmental plan submitted to the SPCB vide our letter no. SCL/ENV/HARIDWAR/2009-10/11845 dated 21/6/2009; Financial assistance to the nearby villages for development of basic infrastructure such as education & medical facilities. Green area covered 38.5% with 8590 nos. of plants. During period of Oct to Mar, 75 nos. plants planted & 65 nos. survived.																					
<b>xii</b>	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Yes, we have set up a separate environmental management cell with full-fledged laboratory to carry out the various management and environment monitoring functions.																					
<b>xiii</b>	The project authorities shall earmark adequate fund to implement the conditions stipulated by the environment impact assessment authority as well as the state government. An implementation schedule for all the conditions stipulated herein shall be submitted to the authority. The funds so provided shall not be diverted for any other purpose.	We have adequate funds to implement the conditions stipulated by the environment impact assessment authority as well as the state government. Expenditure is given as under: <table border="1" data-bbox="1131 411 2042 624"> <thead> <tr> <th>Sl. No.</th> <th>Heads</th> <th>Cost (In Lacs)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Environment Monitoring &amp; Compliances</td> <td>7.25</td> </tr> <tr> <td>2</td> <td>Air Pollution Maintenance</td> <td>1.27</td> </tr> <tr> <td>3</td> <td>Horticulture</td> <td>1.75</td> </tr> <tr> <td>4</td> <td>Housekeeping and Civil Work</td> <td>30.71</td> </tr> <tr> <td>5</td> <td>STP (Operation &amp; Maintenance)</td> <td>0.54</td> </tr> <tr> <td colspan="2" style="text-align: center;"><b>Total</b></td> <td><b>41.53</b></td> </tr> </tbody> </table>	Sl. No.	Heads	Cost (In Lacs)	1	Environment Monitoring & Compliances	7.25	2	Air Pollution Maintenance	1.27	3	Horticulture	1.75	4	Housekeeping and Civil Work	30.71	5	STP (Operation & Maintenance)	0.54	<b>Total</b>		<b>41.53</b>
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<b>xiv</b>	The implementation of the project vis-à-vis environmental action plans shall be monitored by the team of authority. A six monthly compliance status report shall be submitted to monitoring agencies and shall be posted on the website of the Company.	We are extending full co-operation to the officials of the Regional Office during site visit. Submitting herewith the six monthly compliance status report of the implementation of stipulated environmental safeguards to State Level Environment Impact Assessment Authority, MOEF&CC, its Regional Office, Dehradun, CPCB and State Pollution Control Board and also posted on the website of the Company.																					
<b>xv</b>	The project proponent shall inform the public that the project has been accorded environmental clearance by the authority and copies of the clearance letter are available with the SPCB may also be seen at Website of the State Board. This shall be advertised within seven days from the date of issue the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the SEIAA and State Board.	We had informed public that the project has been accorded the environmental clearance by the Ministry of Environment and Forest, Govt. of India by advertisement in three newspapers namely 1. Badri Vishal, 2. Dainik Hak and 3. The Hawk dated 13/6/2009 and a copy of the same has been sent to the SEIAA and State Board vide our letter no. SCL/ENV/HARIDWAR/2009-10/11845 dated 21/6/2009.																					
<b>xvi</b>	The project authorities shall inform the authority as well as the SPCB, the date of financial closure & final approval of the project by the concerned authorities & the date of start of the project.	Production started on 02/03/2010.																					
<b>xvii</b>	The authority may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	All the conditions of Environment Clearance are complied.																					
<b>xviii</b>	The authority reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner shall implement these conditions.	Yes, we shall comply with accordingly.																					
<b>xix</b>	This Environment clearance is valid for the period of five years from the date of issue of environment clearance or up to commissioning of the project whichever is earlier.	The plant had started on 02/03/2010. Yes, for further expansion or modification, we shall take prior approval from the concerned authority.																					