



सत्यमेव जयते

भारत सरकार  
GOVERNMENT OF INDIA

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय  
MINISTRY OF ENVIRONMENT, FORESTS & CLIMATE CHANGE  
Regional Office (South Eastern Zone),  
1<sup>st</sup> & 2<sup>nd</sup> floor, HEPC Building, No.34, Cathedral Garden Road,  
Nungambakkam, Chennai - 600034



Dated: 02-02-2015

EP. 12.8 / MICE -1 / ROCHN / 2014 / 4

To,

Shri M. Srinivasan  
Sr. Vice President(Mfg)  
The Ramco Cements Limited  
Auras Corporate Centre, V Floor  
98-A, Dr. Radhakrishna Salai, Mylapore,  
Chennai-600004

Subject: 1. Cement Plant (3.0 MTPA) and Captive Power Plant (18 MW) at Govindapuram, Ariyalur, Perambalur, T.N. by M/s. Madras Cements Ltd  
2. Expansion of Cement Plant (Clinker from 1.55 MTPA to 3.25 MTPA; Cement from 3.00 MTPA to 5.50 MTPA along with Captive Power plant from 18 MW to 60 MW) at Village Govindapuram and Aminabad, Taluk and District Ariyalur in Tamil Nadu.

Reference: 1. EC Letter No. No. J-11011/509/2006 IA.II(I) dated 24.08.2007  
2. EC Letter No. J-11011/82/2010 IA.II(I) dated 23.11.2010  
3. Your letter dated 10.11.2014

Sir,

With reference to the above mentioned subjects, please find enclosed herewith copies of the certified compliance report.

Yours faithfully

Dr. C. Kaliyaperumal  
Director (S)

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**CERTIFIED COPY OF THE COMPLIANCE REPORT**

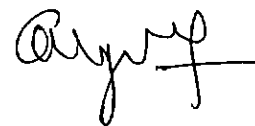
**Sub: Cement Plant (3.0 MTPA) and Captive Power Plant (18 MW) at Govindapuram, Ariyalur, Perambalur, T.N. by M/s. Madras Cements Ltd**

**Ref: F.No.J-11011/509/2006-IA II(I) dated 24<sup>th</sup> August 2007**

Date of monitoring: 05.12.2014

S. No	Specific Conditions	Compliance status
1.	On-line continuous stack monitoring facilities for all the stacks and adequate air pollution control systems shall be provided to keep emissions levels below 50mg/Nm <sup>3</sup> and data submitted to the TNPCB and CPCB regularly. Reverse Air Bag House (RABH) to kiln/raw mill, bag house/filters to coal mill, ESPs to cooler and power plant and bag filters to coal mill and cement mill and packing plants shall be provided.	On-line continuous stack monitoring facilities for all the major stacks and air pollution control systems such as bag filters, ESPs has been provided to keep emissions levels below 50mg/Nm <sup>3</sup> and the monitored data are submitted to the TNPCB and CPCB regularly. Also the monitored data has been sent to TNPCB's Air Care Centre through online. Reverse Air Bag House (RABH) to kiln/raw mill, bag house/filters to coal mill, ESPs to cooler and power plant and bag filters to coal mill and cement mill and packing plants also has been provided.
2.	Secondary fugitive emissions shall be controlled and regularly monitored as per guidelines issued by the CPCB. The company shall install adequate dust collection and extraction system to control fugitive dust emissions at various transfer points, raw mill handling (unloading, conveying, transporting, stacking), vehicular movement, bagging and packing areas etc. Asphaltting/concreting of roads and water spray all around the stockyard and loading / unloading areas shall be carried out to control fugitive emissions. Covered sheds for storage of raw materials and fully covered conveyers for transportation of materials shall be provided besides coal, cement, fly ash and clinker shall be stored in silos.	Secondary fugitive emissions are controlled and regularly monitored. The company has installed dust collection and extraction system to control fugitive dust emissions at various transfer points, raw mill handling (unloading, conveying, transporting, stacking), vehicular movement, bagging and packing areas etc. Asphaltting/concreting of roads and water spray all around the stockyard and loading / unloading areas are carried out to control fugitive emissions. Covered sheds for storage of raw materials and fully covered conveyers for transportation of materials are provided besides coal, cement, fly ash and clinker are stored in silos.
3.	Total water requirement from the ground water source shall not exceed 1,500m <sup>3</sup> /day. Prior permission from the State Govt. regarding drawl of ground water shall be obtained. All the treated waste water shall be recycled and reused in the process and/or for dust suppression, green belt	The project authority have obtained an approval from the concerned authority (PWD) vide Lr.No.G9/13599/spl./Cons/TNJ/2007, dated 08.11.2007 and vide Lr.No.G9/13599/spl./Cons/TNJ/2008,

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	development and other plant related activities etc. No process waste water shall be discharged outside the factory premises and 'zero' discharge shall be adopted. Domestic effluent treated in Sewage Treatment Plant (STP) shall be used for green belt development within the plant and colony area.	dated 20.04.2009 for drawl of 1500 KLD water earlier and after expansion also they have obtained the ground water permission for drawal of 2500 KLD from the concerned department vide Lr No G9/13599/spl. Cons/TNJ/2012, dated 04.01.2013. There is no process effluent. The Sewage is treated in the Sewage Treatment Plant and treated water sewage is being used for green belt development in the premises and by doing this Zero discharge is followed. As stated above they have obtained permission to draw ground water from PWD.
4.	Prior permission of Central Ground Authority must be obtained before drawl of ground water.	
5.	The fly ash and bottom ash generated from the power plant shall be pneumatically transferred to the cement plant and used in the process itself for manufacturing PPC. All the cement dust collected from pollution control devices shall be recycled and reused in the process and used for cement manufacturing. STP sludge shall be used as manure for green belt development. Used oil shall be sold to authorize recycler/reprocessors only.	The fly ash and bottom ash are being transferred pneumatically and used for the manufacturing PPC cement. The dust collected from various pollution control devices is totally recycled in the process of cement manufacturing. The STP sludge is being used as manure for green belt development. The used oil is stored and sold to authorized recycler.
6.	Possibility of using ETP sludge of textile units located in Tirupur and Karur in the cement making shall be explored and a report shall be submitted to the Ministry within 6 months.	Facilities have been provided to use textile unit's sludge and they have applied for authorization from TNPCB.
7.	High calorific hazardous waste shall be utilized in the cement kiln.	They are already using petcoke in their cement kiln and for plastic waste efforts are on. Facilities have been provided in the kiln to use high calorific value hazardous wastes.
8.	Out of total 200 acre, green belt shall be developed in 60 acres (30%) as per the CPCB guidelines to mitigate the effects of air emissions in consultation with local DFO.	As informed that so far 30% of the area has been brought under green belt by planting about 75620 numbers of trees of mainly local species in their factory and colony areas in consultation with local DFO. The plantation work and the survival are good.

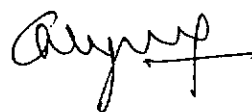


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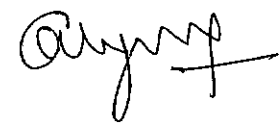
No	General Conditions	Compliance status
1.	The project authority shall adhere to the stipulations made by T.N. pollution control board (TNPCB) and state government.	The TNPCB's stipulations are implemented
2.	No further expansion or modification of the plant shall be carried out without prior approval of this ministry.	They have obtained permission for Expansion of Cement Plant (Clinker from 1.55 MTPA to 3.25 MTPA; Cement from 3.00 MTPA to 5.50 MTPA along with Captive Power Plant from 18 MW to 60 MW) at Villages Govindapuram and Aminabad, Taluk & District Ariyalur in Tamil Nadu by M/s Madras Cemrnt Limited as per EC No.J-11011/82/2010-IA II (I) dated 23 <sup>rd</sup> November, 2010.
3.	The gaseous and particulate matter emissions from various units shall conform to the standards prescribed by the T.N. pollution control board. At no time, the particulate emissions from the cement plant shall exceed TNPCB limit. Interlocking facility shall be provided in the pollution control equipment not working the perspective unit(s) is shutdown automatically.	The gaseous and particulate matter emissions levels from various units are within the limit as per the reports and at no time, the particulate emissions from the cement plant was exceed TNPCB's limit as informed. Interlocking facility has been provided in the pollution control equipments.
4.	One ambient air quality monitoring station shall be installed in downwind direction. Ambient air quality including ambient noise levels shall not exceeds the standards stipulated under EPA or by the state authorities. Monitoring of ambient air quality and stack emissions should be carried out regularly in consultation with TNPCB quarterly and to the ministry's regional office at Bangalore half-yearly.	One online ambient air quality monitoring station is installed in the downwind direction. Apart from this at 8 locations AAQMS and at 4 location noise levels are monitored through external agency and as per the reports the levels are within the limits. The monitoring reports are submitted to TNPCB and MoEF regularly.
5.	The company must harvest the rainwater from the rooftops and storm water drains to recharge the groundwater and use the same water for the various activities of the project to conserve fresh water.	Rain water harvesting arrangement for the roof top collection and storm water has been made.
6.	The company shall under take eco development measures including community welfare measures in the project area.	As informed that the company has undertaken the following measures for Eco development and community

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		<p>welfare:</p> <p>Eco development projects carried out from time to time are –</p> <ul style="list-style-type: none"> <li>○ Development of garden with 4000 trees at Ariyalur Collectorate office, PACR Industrial Training Centre and Vidya Mandir School.</li> <li>○ Planted 200 trees around Thamaraikulam pond.</li> <li>○ Contributed for construction of major drainage at Ariyalur.</li> <li>○ Initiated paperless office function through systemization of all work orders and record keeping.</li> <li>○ Laying of roads at Ariyalur municipality and Nallambathai village road of 4kms.</li> <li>• Community welfare measures – <ul style="list-style-type: none"> <li>○ Donated towards building of government Engineering College at Ariyalur.</li> <li>○ Sponsored 1<sup>st</sup> generation student for their college education</li> <li>○ Contributed for up gradation of elementary school to higher secondary.</li> <li>○ Construction of two new school rooms with toilet facility for Ameenabad elementary school.</li> <li>○ Construction of skating arena at Ariyalur stadium.</li> <li>○ Construction of basket ball court for police quarters etc.</li> </ul> </li> <li>• Assisted in construction and donated free cement bags to various temples. The details of the same are being submitted to board every six months.</li> </ul>
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7.	The overall noise level in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources etc. on all sources of noise generation. The ambient noise level shall conform to the standards prescribed under environmental (protection) Act, 1986 rules, 1989 viz, 75 dBA (night time).	The overall noise level in and around the plant area are monitored and within the limit as per the monitoring reports. They have provided noise control measures such as acoustic hoods, silencers, enclosures etc.															
8.	All recommendations made in the corporate responsibility for environment protection (CREP) for cement plants shall be implemented	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the cement plant are being implemented.															
9.	Proper house keeping and adequate occupational health programmes shall be taken up.	Good housekeeping is maintained and Occupational health and health surveillance programme are carried out regularly and records are maintained.															
10.	A separate environmental management cell to carry out various management and monitoring functions shall be set up under the control of senior executive.	A separate Environmental Management Cell has been formed under and functions under the under the control of senior executive.															
11.	The funds towards capital cost and recurring cost/annum for environmental pollution control measures shall be suitable allocated and judiciously used to implement the conditions stipulated by the ministry of environment and forests as well as the state government. The funds so provided shall not be diverted for any other purpose.	<p>The fund towards capital cost and recurring cost/annum has been allocated and the same was not diverted for any other purpose..</p> <table border="1"> <thead> <tr> <th>S. No</th> <th>Particular</th> <th>Amount (Rs. Cr)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>STP &amp; APC equipments</td> <td>83.12</td> </tr> <tr> <td>2</td> <td>Rain Water harvesting</td> <td>0.35</td> </tr> <tr> <td>3</td> <td>Plantation</td> <td>0.24</td> </tr> <tr> <td></td> <td>Total</td> <td>83.71 (Mar 13)</td> </tr> </tbody> </table> <p>• Recurring cost 7.8 Cr/annum</p>	S. No	Particular	Amount (Rs. Cr)	1	STP & APC equipments	83.12	2	Rain Water harvesting	0.35	3	Plantation	0.24		Total	83.71 (Mar 13)
S. No	Particular	Amount (Rs. Cr)															
1	STP & APC equipments	83.12															
2	Rain Water harvesting	0.35															
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	Total	83.71 (Mar 13)															
12.	The regional office of this ministry of Bangalore/CPCB/TNPCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	Six monthly compliance reports along with the monitored data are submitted to the Regional Office.															
13.	The project authorities shall inform the regional office as well as the ministry, the date of financial closure and the final	The project authorities have informed the date of start of work and date of financial closure.															



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	approval of the project by the concerned authorities and the date of commencing the land development work.	The project work started in Oct 2007 The date of financial closure is 15.05.2009.
14.	The project proponent shall inform the public that the project has been accorded environmental clearance by the ministry and copies of the clearance letter are available with the TNPCB and committee and may also be seen at website of the ministry and forest at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . This should be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in a vernacular language of the locality concerned and the copy of the same shall be forwarded to the regional office Bangalore	They had given advertisement in English – The New Indian Express dated 04.12.2010 and regional language Tamil paper – Dhinathandi dated 04.12.2010 for expansion. and Line – 1 advertisement in The New Indian Express dated 13.09.2007 and regional language Tamil paper – Dhinakaran dated 12.09.2007. Copies of the same shall be forwarded to the regional office Bangalore.



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**CERTIFIED COPY OF THE COMPLIANCE REPORT**

**Sub: Expansion of Cement Plant (Clinker from 1.55 MTPA to 3.25 MTPA; Cement from 3.00 MTPA to 5.50 MTPA along with Captive Power plant from 18 MW to 60 MW) at Village Govindapuram and Aminabad, Taluk and District Ariyalur in Tamil Nadu.**

**Ref: F.No.J-11011/82/2010-IA II (I) dated 23rd November 2010**

Date of Monitoring : 05.12.2014

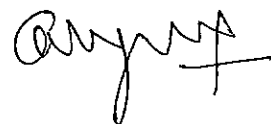
S.No	Specific Conditions	Compliance
1	Continuous stack monitoring facilities to monitor gaseous emissions from all the stacks shall be provided. After expansion, limit of PM shall be controlled within below 50mg/Nm <sup>3</sup> by installing adequate air pollution control system. Electrostatic precipitators to clinker cooler, bag house to raw mill / kiln and bag filters to coal mill and cement mill. Low NOx burners should be provided to control NOx emissions.	On-line continuous stack monitoring facilities for all the major stacks and air pollution control systems such as bag filters, ESPs has been provided to keep emissions levels below 50mg/Nm <sup>3</sup> and the monitored data are submitted to the TNPCB and CPCB regularly. Also the monitored data has been sent to TNPCB's Air Care Centre through online. Reverse Air Bag House (RABH) to kiln/raw mill, bag house/filters to coal mill, ESPs to cooler and power plant and bag filters to coal mill and cement mill and packing plants also has been provided. Low NOx burners are provided to control NOx emissions.
2	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 <sup>th</sup> November 2009, shall be followed.	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 <sup>th</sup> November 2009, is followed
3	Secondary fugitive emissions shall be controlled and shall be within the prescribed limits and regularly monitored. Guidelines / Code of Practice issued by the CPCB in this regard should be followed.	Secondary fugitive emissions monitoring is being carried out at raw material storage areas viz limestone, coal, gypsum etc as per guidelines.
4	Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials including fly ash should be transported in the closed containers only and shall not be overloaded. The company shall have separate truck parking area. Vehicular emissions should be regularly monitored.	They have provided covered shed and fully closed conveyor system for conveying all the raw materials. They have conveyors running 37Kms internally to transport raw and finished materials (Raw material conveyor - 14kms, Coal conveyor - 13kms, Additives conveyor- 5Kms and Cement Bags conveyor - 5kms). All the conveyors are closed from 4 sides in order to avoid any spillage or fugitive emission. <ul style="list-style-type: none"> <li>• No overloading of vehicles with materials.</li> <li>• A separate truck parking yard is made and it is concreted. Vehicular emissions are regularly</li> </ul>



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		<p>monitored.</p> <ul style="list-style-type: none"> <li>As informed before the commissioning of railway siding they were handling around 320 trucks per day and now it is reduced to 160 trucks per day.</li> </ul>
5	Total water requirement for cement and captive power plant after expansion shall not exceed 2,500m <sup>3</sup> /day. Necessary permission from the competent authority for water drawl shall be obtained. All the treated waste water shall be recycled and reused in the process and/or for dust suppression, green belt development and other plant related activities etc. No process waste water shall be discharged outside the factory premises and 'zero' discharge shall be adopted.	The ground water clearance has been obtained for 2500KLD from the concerned department vide Lr No G9/13599/spl. Cons/TNJ/2012, dated 04.01.2013. There is no process waste water. The treated sewage water is being utilized for green belt development.
6	Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir should be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.	Two rain water recharging ponds with central shaft arrangements are located at the western end of the plant having capacity of 19200 & 9900 m <sup>3</sup> respectively. The third recharging pond with central shaft arrangements on the eastern side of the plant having a capacity of 9600 m <sup>3</sup> .
7	Regular monitoring of influent and effluent surface, sub-surface and ground water should be ensured and treated wastewater should meet the norms prescribed by the State Pollution Control Board or described under the Environment (Protection) Act, 1986 whichever are more stringent. Leachate study for the effluent generated and analysis should also be regularly carried out and report submitted to the Ministry's regional office at Bangalore, SPCB and CPCB.	Regular monitoring of surface (rainwater harvesting) and ground water (bore well) is carried out through external agency on quarterly basis.  There is no process effluent and the sewage is monitored before and after treatment and used for green belt treatment.
8	All the bag filter dust, raw mill dust, coal dust, clinker dust and cement dust from pollution control devices should be recycled and reused in the process and used for cement manufacturing. Spent oil and batteries shall be sold to authorized recyclers / reprocessors only.	All the dust generated are collected and reused in the process. Spent oil is collected, stored and sold to the authorized recycler.
9	All the fly ash shall be utilized as per Fly ash Notification, 1999 subsequently amended. Efforts should be made to use fly ash maximum making Pozollona Portland Cement (PPC).	The fly ash is being completely utilized in the cement manufacturing process.

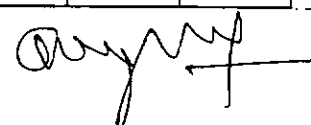


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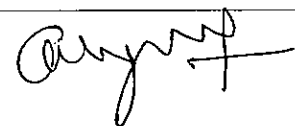
10	Efforts shall be made to use low-grade lime, more fly ash and solid waste in the cement manufacturing.	The efforts are made to use low-grade lime. They are using 30-35% of low-grade lime and 28-30% of flyash in the cement manufacturing.																																										
11	An effort shall be made to use of high calorific hazardous waste in the cement kiln and necessary provision should be made accordingly.	They are using petcoke in their cement kiln and for plastic waste efforts are on. Facilities has been provided in the kiln to use high calorific value hazardous wastes.																																										
12	As proposed, green belt shall be developed in at least 33% area in and around the cement plant as per the CPCB guidelines to mitigate the effects of air emissions in consultation with local DFO.	As informed that so far 30% of the area has been brought under green belt by planting about 75620 numbers of trees of mainly local species in their factory and colony areas in consultation with local DFO. The plantation work and the survival are good.																																										
13	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the cement plants should be implemented.	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the cement plant are being implemented.																																										
14	All the commitments made to the public during the public hearing/ public consultation meeting held on 14 <sup>th</sup> September, 2010 shall be satisfactorily implemented and a separate budget for implementing the same shall be allocated and information submitted to the Ministry's Regional Office at Bangalore.	As informed that all the commitments made in the public hearing are being implemented. The same has been submitted along with six monthly compliance reports to the regional office at regular interval.																																										
15	Atleast 5% of the total cost of the project shall be earmarked towards the corporate social responsibility and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Bangalore. Implementation of such program shall be ensured accordingly in a time bound manner.	The same is being complied and item wise details submitted to the Ministry's Regional Office at Bangalore at regular interval. <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="7"><b>CSR Activities Carried out in Plant</b></th> </tr> <tr> <th>S. No.</th> <th>Socio Economic Works</th> <th>2009-11</th> <th>2011-12</th> <th>2012-13</th> <th>2013-14</th> <th>2014-15 (Till Oct)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Educa tion</td> <td>202 735 2</td> <td>7321 654</td> <td>744 990 1</td> <td>65015 7</td> <td>117200</td> </tr> <tr> <td>2.</td> <td>Infrast ructur e Devel opme nt</td> <td>900 150</td> <td>2900 00</td> <td>230 524 8</td> <td>24382 602</td> <td>117969 8</td> </tr> <tr> <td>3.</td> <td>Medic al</td> <td>800 00</td> <td>5470 0</td> <td>607 30</td> <td>90000</td> <td>119360</td> </tr> <tr> <td>4.</td> <td>Sports</td> <td>450 00</td> <td>1085 7</td> <td>750 000</td> <td>10000</td> <td></td> </tr> </tbody> </table>	<b>CSR Activities Carried out in Plant</b>							S. No.	Socio Economic Works	2009-11	2011-12	2012-13	2013-14	2014-15 (Till Oct)	1.	Educa tion	202 735 2	7321 654	744 990 1	65015 7	117200	2.	Infrast ructur e Devel opme nt	900 150	2900 00	230 524 8	24382 602	117969 8	3.	Medic al	800 00	5470 0	607 30	90000	119360	4.	Sports	450 00	1085 7	750 000	10000	
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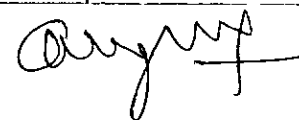
		5.	Temple	550 000	5205 29	600 000	28750 0	96000
			Total	360 250 2	8197 740	111 658 79	25420 259	151225 8
16	The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	The temporary infrastructure and other basic amenities like fuel for cooking, toilets with septic tank, safe drinking water and period medical check up by occupational health doctor were being provided to the construction labours during construction period. Since the project work is completed all the labours stayed in the colony have vacated and only packing plant labours and other contract labours (60 Nos.) are staying and the same facilities are extended to these labours also.						
	<b>General Conditions</b>	<b>Compliance status</b>						
1	The project authority shall adhere to the stipulations made by SPCB and state government.	The project authority implementing the PCB's stipulations.						
2	No further expansion or modification of the plant shall be carried out without prior approval of this ministry	The project authority is planning to go for an expansion of 6 MW in the existing captive power plant. Equipment (one Turbine) has arrived at the site and agreed to install after obtaining permission.						
3	The gaseous emissions from various process units shall conform to the load/mass based standards notified by the ministry on 19th may, 1993 and standards prescribed from time to time. The SPCB may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location. At no time, the emission level shall go beyond the prescribed standards. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.	The gaseous and particulate matter emissions levels from various units are within the limit as per the reports and at no time, the particulate emissions from the cement plant was exceed TNPCB's limit as informed. Interlocking facility has been provided in the pollution control equipments. As informed at no time, the emission level has gone beyond the prescribed standards.						
4	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) 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 environmental protection act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (day time) and 70	The noise levels are being monitored at various locations during night time and day time and as per the reports the levels are within the report. Further they have provided noise control measures such as acoustic hoods, silencers, enclosures etc. on all sources of noise generation						



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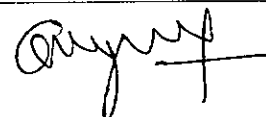
	dBA(night time).	
5	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the factories Act.	Occupational Health Surveillance (OHS) programme is done on a regular basis by their Doctor, and records are also maintained. They have OHS centre with supporting staff and facilities.
6	All the environment management measures given in the EIA/EMP shall be implemented and complied with.	All the environment management measures given in the EIA/EMP are being implemented.
7	The company shall develop rain water harvesting structures to the harvest the rain water for utilization in the lean season besides recharging the ground water table.	Two rain water recharging ponds with central shaft arrangements are located at the western end of the plant having capacity of 19200 & 9900 m <sup>3</sup> respectively. The third recharging pond with central shaft arrangements on the eastern side of the plant having a capacity of 9600 m <sup>3</sup> also has been made.
8	Proper house keeping and adequate occupational health programmes shall be taken up as per Factory's Act.	Good housekeeping is maintained and as stated above Occupational Health Surveillance programme is also being carried out regularly as per Factory's Act.
9	The company shall under take eco development measures including community welfare measures in the project area.	<ul style="list-style-type: none"> <li>• Eco development projects are carried out from time to time by the project authorities as follows: <ul style="list-style-type: none"> <li>○ Development of garden with 4000 trees at Ariyalur Collectorate office, PACR Industrial Training Centre and Vidya Mandir School.</li> <li>○ Planted 200 trees around Thamaraikulam pond.</li> <li>○ Contributed in construction of major drainage at Ariyalur.</li> <li>○ Initiated paper less office function through systemization of all work orders and record keeping.</li> <li>○ Laying of roads at Ariyalur municipality and Nallambathai village road for 4kms.</li> </ul> </li> <li>• Community welfare measures – <ul style="list-style-type: none"> <li>○ Donated towards building of government Engineering College at Ariyalur.</li> <li>○ Sponsored 1<sup>st</sup> generation student for their college education</li> <li>○ Contributed for up gradation of elementary school to higher secondary.</li> <li>○ Construction of two new school rooms with toilet facility for Ameenabad elementary school.</li> <li>○ Construction of skating facilities at Ariyalur stadium.</li> <li>○ Construction of basket ball court for police quarters etc.</li> <li>○ Assisted in construction and donated free cement bags to various temples. The details of</li> </ul> </li> </ul>



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		the same are being submitted to board every six months.															
10	A separate environmental management cell to carry out various management and monitoring functions shall be set up under the control of senior executive.	A separate Environmental Management Cell functions under the Unit Head.															
11	The requisites funds shall be earmarked towards total capital cost and recurring cost/annum for environmental pollution control measures and used judiciously to implement the conditions stipulated by the ministry of environment and forests as well as the state government. The funds so provided shall not be diverted for any other purpose.	<p>The fund towards capital cost and recurring cost/annum has been allocated and the same was not diverted for any other purpose..</p> <table border="1"> <thead> <tr> <th>S. No</th> <th>Particular</th> <th>Amount (Rs. Cr)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>STP &amp; APC equipments</td> <td>83.12</td> </tr> <tr> <td>2</td> <td>Rain Water harvesting</td> <td>0.35</td> </tr> <tr> <td>3</td> <td>Plantation</td> <td>0.24</td> </tr> <tr> <td>4</td> <td>Total</td> <td>83.71 (Mar 13)</td> </tr> </tbody> </table> <ul style="list-style-type: none"> <li>Recurring cost 7.8 Cr/annum</li> </ul>	S. No	Particular	Amount (Rs. Cr)	1	STP & APC equipments	83.12	2	Rain Water harvesting	0.35	3	Plantation	0.24	4	Total	83.71 (Mar 13)
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12	The project authorities shall inform the regional office as well as the ministry, the date of financial closure and the final approval of the project by the concerned authorities and the date of commencing the land development work.	<ul style="list-style-type: none"> <li>The project work for expansion started in Mar 2011.</li> <li>The financial closure date is 24.09.2012.</li> </ul>															
13	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, zila parishad / municipal corporation, urban local body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	As informed copy of the clearance letter was sent to concerned Panchayat. The details are uploaded on the website of the company <a href="http://www.ramcocements.in">www.ramcocements.in</a> .															
14	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the regional office of the MOEF, the respective zonal office of CPCB and the SPCB. The criteria pollutant levels namely ,RSPM, SO2 ,NOX(ambient level as well as stack emissions) or critical sect oral parameters indicated for the projects shall	<p>The project proponent upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website <a href="http://www.ramcocements.in">www.ramcocements.in</a>.</p> <p>The monitored data (emission levels) are displayed at the main gate for the public.</p>															



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	be monitored and displayed at a convenient location near the main gate of the company in public domain.	
15	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective regional office of MOEF, the respective zonal office of CPCB and the SPCB.the regional office of this ministry at Bangalore/CPCB/SPCB shall monitor the stipulated conditions,	Six monthly compliance reports along with the monitored data are submitted to the Regional Office.
16	The environmental statement for each financial year ending 31st march in Form-V as is mandated to be submitted by the project proponent to the concerned state pollution control board as prescribed under the environment (protection) rules, 1986, as amended subsequently shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective officers of the MOEF by e-mail.	The same is being submitted to the TNPCB every financial year. (Nov 2010, Sep 2011, Sep 2012, Sep-13 & Sep-14).
17	The project proponent shall inform the public that the project has been accorded environmental clearance by the ministry and copies of the clearance letter are available with the SPCB and may also be seen at website of the ministry and forest at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . This should be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in a vernacular language of the locality concerned and the copy of the same shall be forwarded to the regional office Bangalore.	The same has been informed to the public by advertising in the newspaper both in English – The New Indian Express dated 04.12.2010 and regional language Tamil paper – Dhinathandi dated 04.12.2010 for expansion. And Line – 1 advertisement in The New Indian Express dated 13.09.2007 and regional language Tamil paper – Dhinakaran dated 12.09.2007 (Ref Doc - 14)

  
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