

**Ultra Tech Cement Limited - Ginigera Cement Works Ginigera - Koppal**

**F. No. J-11011/163/2007- IA II (I) dated 01-08-2007**

Status as on:10.09.2011

<b>A.Specific Conditions :</b>		
<b>I</b>	Cement grinding shall be carried out in closed circuit and shall have highly efficient bag filters.	Grinding process is a dry and pneumatic process and hence in a closed circuit process. Bag Filters of 99.95% efficiency have been provided.
<b>ii</b>	The gaseous and particulate matter emissions from various units shall conform to the standards prescribed by the Karnataka State Pollution Control Board (KSPCB). The stack emissions from various sources shall not exceed 50 mg/Nm <sup>3</sup> . Continuous on-line monitors for particulate emissions shall be installed in stacks. Interlocking facility shall be provided in the pollution control equipment so that in the event of the pollution control equipment not working, the respective unit (s) is shut down automatically.	Efficient Bag house and Bag filters are being provided for Cement mill and packing machines of grinding Unit. The Particulate emission levels are found to be within the prescribed limits of KSPCB. Source emissions for the period from <b>Apr 2010 to Mar 2011</b> is compiled in <b>Annexure-I</b> On-line monitor has already provided for cement mill stack for monitoring of Particulate emission. And the process inter-locking system has also provided to trip off the units in case of raise in temperature and/or Δp across the bag house due to accumulation of dust.
<b>iii</b>	Ambient air quality monitoring stations shall be set up as per statutory requirement in consultation with the KSPCB. Ambient air quality including ambient noise levels shall not exceed the standards stipulated under EPA or by the State authorities. Monitoring of ambient air quality and shall be carried out regularly in consultation with KSPCB and data submitted to the CPCB and KSPCB regularly. The instruments used for ambient air quality monitoring shall be calibrated time to time.	Three Ambient air quality locations have been set-up to assess the impact of cement grinding unit activities. The AAQM stations have been approved by KSPCB, <b>Koppal</b> . Monitoring results for ambient air quality and Noise levels for the period from <b>Apr 2010 to Mar 2011</b> are presented in <b>Annexure-II</b> Report showing monitoring results are being regularly submitting to KSPCB, every month.
<b>iv.</b>	The company shall install adequate dust collection and extraction system to control fugitive dust emissions at loading/unloading points and at all the transfer points. Bag house and dust collectors to cement mill and bag filters to clinker hopper, cement silo, fly ash silo, elevator; packer; cement transport equipment etc. shall be provided to control air emissions. The fugitive emissions during loading and unloading shall be suitably controlled. Dust emissions from all the sources shall be less than 50 mg/Nm <sup>3</sup> . Fugitive dust emissions from ball mill and storage areas shall be collected in bag house and bag filters and recycled back to the process. Storage of raw material shall be in closed roof sheds. Water sprinkling arrangement shall be made in the raw material stock yard, cement bag loading areas and internal roads.	Raw Materials are being stored in closed silos and covered sheds and jet pulse filters and bag filters were provided at all transfer points of the conveyor belt to control the fugitive emissions during transportation of materials and closed conveyor belts are being used for transfer of material from store yard to feeding hoppers. Water sprinkling is carrying out at stock yard and on internal roads regularly to suppress the dust to movement of vehicles.  Fugitive dust emissions are being monitoring at three locations, details of monitoring locations and results for the period from <b>Apr 2010 to March 2011</b> is provided in <b>Annexure-III</b>
<b>v.</b>	Total ground water requirement for cooling and drinking purpose shall not exceed 100m <sup>3</sup> /day and prior permission for the drawl of ground water from State Ground Water Board (SGWB) / Central Ground Water Authority (CGWA) shall be obtained. All the process wastewater shall be used in the process for cooling purpose or for green belt development. No liquid effluent shall be generated and discharged outside the premises and 'Zero' discharge shall be maintained. All the domestic effluent will be treated in septic tank followed by soak pit.	NOC received from CGWA for drawl of 120m <sup>3</sup> /day ground water, is provided in <b>Annexure VII</b> .  No waste water generation from the process, hence Zero discharge is maintained. However the domestic waste water is being treated in septic tank followed by soak pit.
<b>vi.</b>	All the solid waste viz. fly ash and dust etc. generated shall be properly recycled back into the process and reutilized. No solid waste shall be generated from the process. STP sludge shall be used as manure for the green belt development.	No solid waste generation is involved in Clinker Grinding process, however dust collected by bag filters provided at transfer points will be recycled to the grinding process.  Waste water generated is sent to soak pits, hence no sludge is expected to be generate.
<b>vii.</b>	Out of 29.14 ha, green belt shall be developed in 10.12 ha (33 %).	Till now 8.07 hectare of land selected and about 6500 plants were planted to develop the green belt. Another in 2.05 hectare around 3000 more plants will be planted during the financial year 2011-12.

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<b>viii.</b>	All the recommendations mentioned in the Corporate Responsibility or Environmental Protection (CREP) guidelines shall be followed and complied.	Complied
<b>ix.</b>	Rainwater harvesting measures shall be adopted. The company must also harvest the rainwater from the roof tops and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve fresh water.	Rain water harvesting measures has adopted as per guidelines
<b>x.</b>	Other necessary statutory clearances from the concerned Departments including 'No Objection Certificate' from the Karnataka State Pollution Control Board should be obtained prior to commencement of construction and / or operation.	Obtained CFO from KSPCB, wide consent order No KSPCB/HPI/205/ULTRA-TECH/08/2010-11/611 Dated 11.11.2010 Copy of CFO received from KSPCB is enclosed as <b>Annexure-IV</b>
<b>xi.</b>	The company shall undertake eco-development measures including community welfare measures in the project area.	Expenditure on green belt development from Apr'10 - Mar 11 Rs. 9.64 lacs Expenditure on Socio development activities from Apr 10 – Mar 11 Rs. 8.5 lakhs details of expenditure is enclosed as <b>Annexure-V</b>
<b>B. General Conditions :</b>		
<b>i.</b>	The project authority shall adhere to the stipulations made by Karnataka State Pollution Control Board (KSPCB) and State Government.	Complied
<b>ii.</b>	No further expansion or modification of the plant shall be carried out without prior approval of this Ministry.	Noted and will be followed
<b>iii.</b>	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 (night time).	Three ambient Noise levels and five machine noise levels are being monitoring to assess the noise levels in and around the grinding unit, and found to be well with in the prescribed standards under EPA, 1986 rules
<b>iv.</b>	Proper house keeping and adequate occupational health programmes shall be taken up.	Good house keeping is in practice and construction of internal cement roads are under progress.
<b>v.</b>	A separate environmental management cell to carry out various management and monitoring functions shall be set up under the control of Senior Executive.	Environmental management activities are being performed under the supervision of Quality head, and services of M/s Vimta Labs Ltd, Hyderabad is being utilized for regular Environmental Monitoring activities.
<b>vi.</b>	Rs. 530.00 Lakhs and Rs. 66.00 Lakhs earmarked towards capital cost and recurring cost/annum for environmental pollution control measures shall be used exclusively 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.	About 561.24 lacs were spent on air pollution control equipments. During Apr'10 – Mar'11 Rs. 24.31 lacs were spent on environmental monitoring and related activities the details of expenditure is enclosed as <b>Annexure-V</b>
<b>vii.</b>	The Regional Office of this Ministry at Bangalore / CPCB / KSPCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	Report showing monitoring results are being regularly submitting to KSPCB, every month.  A six monthly compliance report is being prepared and submitted to MOEF, Regional Office, Bangalore)
<b>viii.</b>	The Project Authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	-
<b>ix.</b>	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 Karnataka State Pollution Control Board / Committee and may also be seen at Website of the Ministry of Environment and Forests 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 the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office at Bangalore.	Published in news papers dated 8/8/2007  Copy of the paper add is enclosed in <b>Annexure-VI</b>