

**J.K. CEMENT WORKS, MANGROL (RAJ.)**  
**Compliance report of Environment Clearance for Mangrol Cement Plant**  
**for the period of April 2013- September 2013**

**Reference Letter from MOEF, New Delhi - J-11011/1273/2007-1A (II) dated 20.03.2009**

**A.) SPECIFIC CONDITIONS:**

<b>Sr.No</b>	<b>Condition</b>	<b>Status</b>
(i)	The company shall install Electrostatic Precipitator (ESP) to raw mill, kiln and cooler, bag house to cement mill and bag filter to crusher to control particulate emissions within 50mg/Nm <sup>3</sup> . The company shall provide air pollution monitoring arrangements with stacks and vents. Regular monitoring reports shall be submitted to the Rajasthan Pollution Control Board, CPCB and Ministry's Regional Office at Lucknow.	Project report Submitted along with application. All pollution control equipment has designed for emission below 50 mg/Nm <sup>3</sup> . Civil work of all Pollution Control equipments i.e. ESP, Bag House/Bag filters are under progress. We will provide air pollution monitoring arrangements with stacks and vents.
(ii)	Data on ambient air quality stack emission and fugitive emissions shall be regularly submitted online to Ministry's Regional Office at Lucknow, Rajasthan Pollution Control Board and Central Pollution Control Board as well as hard copy once in six months. Data on SPM, SO <sub>2</sub> and NO <sub>x</sub> shall also be displayed prominently outside the premises at the appropriate place for the information of general public.	Compliance will be ensured. Civil construction as well as mechanical installation work is going on. Data on ambient air quality stack emission and fugitive emission will be submitted whenever plant will be started.
(iii)	Bag house/filters shall be provided to control the fugitive emissions generated during material transfer, packing loading and unloading. The project authorities shall store all the raw materials except limestone in the covered sheds to control fugitive emissions.	We will provide the Bag filter to all transfer points to control the fugitive dust emission. All raw materials except limestone shall be stored in Silo / covered shed.
(iv)	The locations of ambient air quality monitoring stations shall be set up as per statutory requirement in consultation with the Rajasthan Pollution Control Board (RPCB) and additional stations shall be installed, if required, in the downwind direction as well as where maximum ground level concentrations are anticipated.	Compliance will be done. The new plant will be installed in the premises of existing plant and ambient monitoring station will be decided after consultation with RSPCB.
(v)	The water requirement shall not exceed 1500KLD. The copy of the permission letter for drawl of River/dam water/ground water shall be submitted to the Ministry's Regional Office at Lucknow within 3 months from date of issue of this letter. The company shall prepare plan for conservation of water and reduction of consumption of fresh water from the ground water or Gambhiri Dam.	Copy of CGWA Permission letter sent to Regional Office, Lucknow vide our letter No.MGR/PC-05/09 dated 10 <sup>th</sup> May, 2009.
(vi)	The company shall develop rainwater harvesting structures to harvest the run off water for recharge of ground water.	The plant is coming in existing plant premises hence rain water harvesting

		structure already in process and few structure will be developed.
(vii)	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 programme is under progress.
(viii)	The project authorities shall transport the raw materials and cement in covered means to avoid fugitive emission during transport.	The raw material transportation will be covered to mitigate the fugitive emission.
(ix)	All the recommendations mentioned in the CREP guidelines for the cement plants shall be followed and complied.	Will be complied with.
(x)	The company shall comply with all the commitment made during public hearing/public consultation held on 25 <sup>th</sup> July, 2008 for the project.	Will be complied with.
(xi)	Provision shall be made for the housing of 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.	Already developed all infrastructure facility.

#### **B.) GENERAL CONDITIONS:**

<b>Sr.No</b>	<b>Condition</b>	<b>Status</b>
(i)	The project authorities shall strictly adhere to the stipulations of the SPCB/State Government or any statutory body.	We will adhere to the stipulations of SPCB / Govt. body.
(ii)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	No further expansion or modification will be done in the plant without prior approval of MoEF.
(iii)	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.	The failure of any pollution control equipment, Interlocking system will be provided.
(iv)	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.	Gaseous and particulate matter emission will be maintained under prescribed limit.
(v)	The company shall undertake following Waste Minimization measures. ➤ Reuse of by-products from the process as raw materials or as raw material substitute in other processes.	Considered all points in our project report and will be complied with.

	<p>➤Use of “Close pneumatic” system for transport of fine material.</p> <p>➤All venting systems shall be connected with dust arresting equipments</p> <p>➤Dust collect in pollution control equipment shall be reused.</p>	
(vi)	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.	Fugitive emission will be regularly monitored and maintained within prescribed limit.
(vii)	The overall noise levels in an 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).	Noise level will be control within standard.
(viii)	Occupational health and safety measures shall be undertaken. Periodic monitorial 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.	The Company has dispensary and sufficient medical staff for our existing unit. Necessary records will be maintained.
(ix)	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.	Will be undertaken. It is covered in EIA report.
(x)	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Existing EMC will be strengthened.
(xi)	The project authorities shall earmark adequate fund to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government.	Will be complied.
(xii)	The implementation of the project vis-à-vis environmental action plans shall be monitored by the concerned Regional Office of the Ministry/SPCB/CPCB. A six monthly compliance status report shall be submitted to monitoring agencies and shall be posted on the website of the Company.	Six monthly compliance reports are being regularly sent to MOEF /SPCB/CPCB. Moreover Soft copy of compliance report being post at company website.
(xiii)	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 at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . This shall 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 regional of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Already done.
(xiv)	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	Agreed.

	authorities and the date of start of the project.	
--	---	--