

Rajashree Cement, Malkhed

MoEF clearance for expansion of clinker production 4.0 MTPA to 4.7 MTPA
F.No.J-11011 / 968 / 2007 –IA(II) Dt: March 13th 2008

Status of compliance as on 21.11.2011

Sl No	Conditions	Status	Remarks
1	The proposal is for environmental clearance for expansion of clinker production (4.0 MTPA to 4.7 MTPA) at Adityanagar, Taluka Sedam, District Gulbarga, Karnataka State M/s Rajashree Cement (A Division of M/s Grasim Industries Limited.).	Noted. Present production capacity is within the limit.	
2	The expansion of clinker production will be through modernization and optimization only. The expansion will be within the existing 111.06 ha. land. Total cost of the expansion project is 4346 Lakhs. Following are the products and production capacity Clinker 4.7 MTPA Cement 4.2 MTPA existing TPP 58.2 MW existing	Clinker production is 1.98 MTPA for 2011-12 (upto Sept 2011)	
3	In existing cement plant ESP and Dust collectors are provided at various points and Water spray system on belt conveyors at Coal yard and limestone stacker area is provided. Plant has provided the pollution control devices and interlocking systems in all the critical areas. The water requirement for the existing plant is 9321 KLD and additional 100 KLD will be required for expansion purpose. The water will be source from Kagina River.	ESP and DC are provided where ever necessary. Water spray is being done at Limestone stacker and Coal yard. Total Water consumption qty. is well within the limit..	
4	Flyash (645 t/day) generated will be 100% utilized in the cement plant. Used lubricants will be generated as hazardous waste and disposed off by selling to the authorized parties. Authorizations under Hazardous waste (Management and handling) Rules is obtained vide No.KSPCB / HWM / SEO-1 / AEO / 2006-07 / 385 dt.07.10.2008 valid up to 30.06.2010	Entire flyash generated is utilized in Cement manufacture. Used lubricants are sold to authorized party only.	KSPCB / HWM /891 dt.30.09.2010 valid upto 30.06.2015
5	The Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14 th September, 2006 subject to strict compliance to the following specific and general conditions	Noted for compliance please.	
A	Specific conditions		

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i	On-line continuous stack monitoring facilities for all the stacks and adequate air pollution control systems shall be provided to keep emissions levels below 150 mg/Nm ³ and data submitted to The Karnataka State Pollution Control Board (Karnataka PCB) and CPCB regularly.	Opacity monitors are provided for all major stacks. Emissions data regularly submitted to Karnataka (PCB)	
ii	Secondary fugitive emissions shall be controlled and regularly monitored as per guidelines issued by the CPCB and data submitted to Ministry's Regional Office at Bangalore, CPCB and Karnataka PCB.	Monitored regularly at designated locations.	The AAQ data being submitted to MoEF and KSPCB
iii	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. All conveyors shall be covered with GI Sheets. Covered sheds for storage of raw materials and fully covered conveyers for transportation of materials shall be provided besides coal, cement. flyash and clinker shall be stored in silos.	Adequate dust collection systems are existing for control of emissions. All belt conveyors are covered with GI sheets. Covered shed for storage of raw materials are existing.	Stacker and reclaimer belts are open as required for movement of stacker and reclaimers. Additional shed for storage of additives is constructed.
iv	Crusher shall be operated with high efficiency bag filters. The screening plant and all transfer and loading and unloading points shall be provided with water spraying system and equipped with dust collector / extraction system.	Limestone and Coal Crushers are provided with water spray system.	
v	Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RPM such as haul road, loading and unloading points, transfer points and other vulnerable areas. It shall be ensured that the Ambient Air Quality Parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	Regular water spray is done at haulage road, loading and unloading points for limestone and coal handling.	
vi	Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles shall be covered with a tarpaulin and shall not be overloaded.	Vehicle emission is maintained by slow driving and water spraying on roads. Vehicles are well maintained. over loading is avoided.	

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vii	Asphalting / concreting roads and water spray all around the stockyard and loading / unloading areas in the cement plant shall be carried out to control fugitive emissions.	Concrete roads and flooring are laid where ever necessary.	
viii	Total water requirement from River Kagina shall not exceed 9421 m ³ /day for cement plant. Permission from the competent authority shall be obtained. No ground water shall be used. All the treated waste water shall be recycled and reused in the process and / or for ash quenching, dust suppression, green belt development and other plant related activities etc. Zero discharge shall be adopted.	Total water consumed from river and qty. is well within the limit. All the treated waste water is recycled and used in process / greenbelt development. Zero discharge is ensured.	No ground water exists. Surface river water is utilized.
ix	Sewage treatment plant shall be installed for the colony. Treated domestic effluent shall be used for green belt development within the plant premises.	STP of 1000 m ³ /day for colony is in operation.	Treated water of plant and colony is utilized for dust suppression, process cooling, horticulture etc.
x	All the bag filter dust, raw meal dust, coal dust, clinker dust and cement dust from cement plant shall be recycled and reused in the process and used for cement manufacturing. Sludge from generated from STP shall be used as manure for green belt development. Waste oil shall be sold to authorized recyclers / preprocessors only.	The dust collected in filter bags is recycled back into system for manufacture of product. STP sludge is utilized for gardening. Used (waste) oil is sold to authorized recyclers.	

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xi	High calorific hazardous waste shall be used in the cement kiln.	BASF ETP sludge,RBI Ink sludge, Paint sludge is used. Permissions have been received from CPCB / KSPCB for utilization / trials of alternate fuels like BASF'S Sludge, Ink Sludge, Paint Sludge Tyre Chips, Pharma Waste etc. Installation of feeding system at Kiln-III is being taken up.	Haz. waste utilized as per authorization.
B	General conditions		
i	The project authority shall adhere to the stipulations made by Karnataka Pollution Control Board (Karnataka PCB) and State Government.	Noted please.	
ii	No further expansion or modification of the plant shall be carried out without prior approval of this Ministry.	Noted please.	
iii	The gaseous and particulate matter emissions from various units shall conform to the standards prescribed by the Karnataka Pollution Control Board. At no time, the particulate emissions from the cement plant shall exceed Karnataka PCB limit. 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.	The emission from various units are within the standards prescribed by Karnataka Pollution Control Board Control (interlocking) systems are existing.	
iv	One ambient air quality monitoring station shall be installed in downwind direction. 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 stack emissions shall be carried out regularly in consultation with Karnataka Pollution Control Board and report submitted to the Karnataka PCB and to the Ministry's Regional Office at Bangalore half-yearly.	Ambient air quality monitored and results submitted to Karnataka Pollution Control Board monthly. Results being submitted to Ministry 's Regional Office half yearly.	

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v	The company must harvest the rain water from the rooftops 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 is done at Mines.	
vi	The company shall undertake eco-development measures including community welfare measures in the project area	KJST (Kagina Jana Seva Trust) is entrusted for welfare and development of nearby villages. Presently the activities of Rural Development is in about 10 Villages and assisting them in education, health, self help groups, water, sanitation etc.	
vii	The over all 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).	Noise levels are monitored and are within the limits of EP Rules , 1989. Required enclosures etc. are existing.	
viii	All recommendations made in the Corporate Responsibility for Environment Protection (CREP) for cement plants shall be implemented.	CREP recommendations are complied with please.	
ix	Proper house keeping shall be taken up. Regular annual medical examination of all the employees shall be carried out from the occupational health point of view and records maintained.	Medical checkup done on annual basis. Health records are maintained.	

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x	A separate environmental management cell to carry out various management and monitoring functions shall be set up under the control of Senior Executive	Separate Env't cell is existing for monitoring and management of Env't. and is under the control of Senior Executive reporting to Chief Executive (Unit Head)	
xi	Adequate fund shall be earmarked towards environmental pollution control measures for environmental pollution control measures and shall be suitably 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.	Adequate fund are maintained for Environment and Pollution control. Additional sanctions are generally taken for further improvement.	
xii	The Regional Office of this Ministry at Bangalore / CPCB / SPCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data alongwith statistical interpretation shall be submitted to them regularly.	Regional KSPCB office is monitoring on monthly basis. Data / reports being submitted to Regional Office MoEF / CPCB	
xiii	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.	Monthly and annual reports are submitted.	
xiv	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 State Pollution Control Board and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . 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.	Advertised in two local news papers Deccan Herald (English) and Samyuktha Karnataka (Kannada) on 23.03.2008..	

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6	The Ministry or any other competent authority may stipulate any further condition(s) on receiving reports from the project authorities. The above conditions shall be monitored by the Regional Office of this Ministry.	Noted please.	
7	The Ministry may revoke or suspend the clearance if implementation of any of the above conditions is not satisfactory.	Noted please.	
8	Any other conditions or alteration in the above conditions shall have to be implemented by the project authorities in a time bound manner.	Noted please.	
9	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 the Air (Prevention and Control of Pollution) Act, 1981 the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Noted please.	