

Compliance Report for the period June 2012 - November 2012, to the conditions specified in the Environmental Clearance (EC), granted by MOEF, vide letter No. J-11015/889/2007 - IA.II (M) dated 22nd Feb, 2011 for Baranda Laterite mining project of M/s Jaypee Gujarat Cement Plant (A unit of Jaypee Cement Corporation Ltd.) located in village Baranda, Tehsil Lakhpat, District - Kachchh, Gujarat.

Specific Condition

Sl. No	Activity	Compliance
1	The project proponent shall obtain consent to Establish and consent to operate from the Gujarat State Pollution Control Board and effectively implement all the conditions stipulated therein.	Shall be complied with.
2	Requisite prior clearance from the Standing Committee of the National Board for Wildlife shall be obtained due to location of the project in the buffer zone of the Narayan Sarovar Wildlife Sanctuary, before starting any activity relating to the project at site. All the conditions stipulated by the Standing Committee of the National Board for Wildlife shall be effectively implemented in the project. It shall be noted that this clearance does not necessarily implies that wildlife clearance shall be granted to the project and that your proposed for wildlife clearance shall be considered by the competent authorities on its merit and decision taken. The investment made in the project, if any based on environmental clearance granted to the project, in anticipation of the clearance from wildlife clearance shall be entirely at the cost and risk of the project proponent and MOEF shall not be responsible in this regard in any manner.	Shall be complied with.
3	The environmental clearance is subject to the final order of the Hon'ble supreme court of India in the matter, as may be applicable to this project.	Agreed.
4	Environmental clearance is subject to final order of the Hon'ble supreme court of India in the matter of Goa Foundation Vs. Union of India in Writ petition (civil) No. 460 of 2004, as may be applicable to this project.	Agreed.
5	Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, as may be applicable to this project.	Agreed.
6	The project proponent shall ensure that no working shall be carried out in any part of the mine lease, which falls within 2.5 km of the Narayan Sarovar Sanctuary.	Agreed.
7	The mining operations shall be restricted to above ground water table and it should not intersect ground water table. In case of working below ground water table, prior approval of the MOEF and Central Ground Water Authority shall be obtained for which a detailed hydro-geological study shall be carried out also taking into account the aspect of salinity ingress, if any.	Agreed.
8	The project proponent shall ensure that no natural watercourse and/or water resources shall	Shall be complied with.

	be obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams originating from the mine lease shall be taken.	
9	The top soil, if any shall temporarily be stored at earmarked site (s) only and it should be kept unutilized for a period more than 3 years. The topsoil should be used for land reclamation and plantation.	Agreed.
10	There shall be no external over burden dump. The void, if any left unfilled shall be converted into water body. The higher benches of excavated void/mining pit shall be terraced and plantation done to stabilize the slopes. The slope of higher benches shall be made gentler for accessibility by local people to use the water body. Peripheral fencing shall be carried out along the excavated area. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status should be submitted to the MOEF and its regional office located at Bhopal on six monthly bases.	Agreed.
11	Catch drains and siltation ponds of appropriate size should be constructed for the working pit to arrest flow of silt and sediment. The water so collects should be utilized for watering the mine area, roads, green belt development etc. the rains should be regularly desilted particularly after monsoon and maintained properly. Garland drain (size, gradient and length) shall be constructed for mine pit and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. sump capacity should also provide adequate retention period to allow proper setting of silt material. Sedimentation pits should be constructed at the corners of the gan and drains and desilted at regular intervals.	Agreed.
12	Plantation shall be raised in an area of 16.5 ha including a 7.5 m wide green belt in the safety zone around the mining lease, benches of the excavated pit, around worked out pit, roads etc. by planting the native species in consultation with the local DFO/ agriculture department. The density of the trees should be around 1600 plants per ha. Greenbelt shall be developed all along the mine lease area in a phased manner and shall be completed within first five years.	Shall be complied with consultation DFO/Agriculture Department.
13	The plantation schedule shall be so worked out that the plantation towards the sanctuary side will be taken up forthwith in the first phase.	Agreed.
14	Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as around loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	Agreed.
15	The project authority should implement suitable conservation measures to augment ground water resources in the area in consultation with the regional director, central ground water	Agreed.

	board.	
16	Regular monitoring of ground water level and quality shall be carried out within the mine lease and in the surrounding area (up to 5 km of the mine lease) by establishing a network of groundwater monitoring stations (existing wells and installing new piezometers) during the mining operation in consultation with Central groundwater Authority/ ground water board and ground water table shall be monitored and records maintained. The periodic monitoring shall be carried out in consultation with the State Groundwater Board/ Central Groundwater Board Authority and the data thus collected may be sent regularly to the MOEF and its regional office Bhopal, the Central Groundwater Board Authority and the regional director, Central Groundwater Board. If at any stage, it is observed that Groundwater table is getting depleted and salinity ingress in Groundwater Board is observed due to the mining activity, necessary corrective safeguard measures shall be taken in consultation with the Central Groundwater Authority.	Agreed.
17	The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of water (surface water and Groundwater), if any, required for the project.	Agreed.
18	The project proponent shall practice suitable rainwater harvesting measures on long term basis and work out a detailed scheme for rainwater harvesting in consultation with the Central Groundwater Authority and submit a copy of the same to the MOEF and its Regional Office, Bhopal.	No surface & ground water drawn. We have our own Desalination plant.
19	Vehicular emissions should 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 vehicle should be covered with a tarpaulin and shall not be overloaded.	Agreed.
20	No transportation of ore outside the mine lease area shall be carried out after sunset.	Agreed.
21	Drilling and blasting operation shall not be carried out.	Agreed.
22	Digital processing of the entire lease area using remote sensing technique should be done regularly once in three years for monitoring land use pattern and report submitted to MOEF and its regional office located at Bhopal.	Shall be complied with.
23	The mineral handling plant should be provided with adequate number of high efficiency dust extraction system, loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.	Shall be complied with.
24	Sewage treatment plant shall be installed for the colony. ETP shall also be provided for the workshop and wastewater generated during the mining operation.	Shall be complied with.
25	The project authorities should undertake sample survey to generate data on pre-project community health status within a radius of 1 km from proposed mine.	Study has been carried out.
26	Pre-placement medical examination and periodical medical examination of the workers	Agreed.

	engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.	
27	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, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Agreed.
28	The critical parameters such as RSPM & Nox in the ambient air within the impact zone shall be monitored periodically. Further, quality of discharged water shall also be monitored (TDS, DO, Ph and TSS). The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the company in public domain. The circular No. J-20012/2006-IA.II (M) dated 27.05.2009 issued by MOEF, which is available on the website of the Ministry www.envfor.nic.in shall also be referred in this regard for its compliance.	Agreed.
29	The project proponent should take all precautionary measures during mining operation for conservation and protection of endangered fauna such as caracal, chinkara, wolf, desert cat, pangolin etc. spotted in the study area action plan for conservation of flora and fauna shall be prepared and implemented in consultation with the state forest and wildlife department necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be made and the funds so allocated shall be included in the project cost copy of action plan may be submitted to the ministry and its regional office.	Preparation of the Wildlife Conservation Plan is under process.
30	A final mine closure plan along with details of corpus fund should be submitted to the ministry of environment & forests 5 years in advance of final mine closure for approval.	Shall be complied with.
General Conditions:		
01	No change in mining technology and scope of working should be made without prior approval of the ministry of environment and forests.	Agreed.
02	No change in the calendar plan including excavation, quantum of mineral limestone and waste should be made.	Agreed.
03	Four ambient air quality monitoring stations should be established in the core zone as well as the buffer zone for RPM & Nox monitoring. Location for the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the state pollution control board.	Shall be complied in consultation with SPCB.
04	Data on ambient air quality (RPM, SPM, SO ₂ & NO _x) should be regularly submitted to the ministry including its regional office at Bhopal and to the state pollution control board/central pollution control board once in six months.	Shall be complied with.
05	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying	Shall be complied with.

	arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.	
06	Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc should be provided with ear plugs/ muffs.	Shall be complied with.
07	Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May and 31st December 1993 or as amended from time to time, oil and grease trap should be installed before discharge of effluents from workshop.	Shall be complied with.
08	Personal working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance programme of the workers should be undertaken periodically to observe and contractions due to exposure to dust and take corrective measures, if needed. The same programme may be extended to adjoining villages also.	Shall be complied with.
09	A separate environmental management cell with suitable qualified personal should be set up under the control of a senior executive who will report directly to the head of the organization.	We have already set up Environmental Management Cell with qualified staff under supervision of GM (P & QC) enclosed at Annexure - I .
10	The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purposes. Year wise expenditure should be reported to the regional office. Bhopal of the MOEF and its Regional Office located at Bhopal.	Funds have been earmarked for environmental protection measures.
11	The project authorities should inform to the regional office located as Bhopal regarding date of financial closures and final approval of the project to the concerned authorities and the date of start of land development work.	Shall be complied with.
12	The regional office of this ministry located at Bhopal shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the regional office by furnishing requisite data/ information/ monitoring report.	Full co-operation shall be extended to visiting officer
13	The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the MOEF, its Regional Office Bhopal, the respective Zonal Office of Central Pollution Control Board the State Pollution Control Board. The proponent shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF, Bhopal, the respective Zonal Office of Central Pollution Control Board and the State Pollution Control Board.	Agreed.
14	A copy of the clearance letter shall be sent by the proponent to concerned panchayat/ local NGO. If any, from whom suggestions/representations, if any, were received while process	Already Complied.

	the proposal. The clearance letter shall also be put on the Company by the proponent.	
15	The State pollution control board should display a copy of the clearance letter as the regional office, district industry centre and collectors/ Tehsildar's office for 30 days.	N/A
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 SPCB 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 clearance conditions and shall also be sent to the Regional Office of the MOEF, Bhopal by e-mail.	Agreed.
17	The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the state pollution control board and also at web site of the ministry of environment and forests at http://envfor.nic.in and a copy of the same should be forwarded to the regional office of this ministry located Bhopal.	Already Complied.

Jaypee Gujarat Cement Plant, Sewagram

**ORGANISATION CHART OF
Environment Cell DEPARTMENT**



