

The Regional Director

Ministry of Environment & Forest
Regional Office(WZ)
Kendriya Parayavaran Bhawan,
E-5,Arera Colony,Link Road No-5,
Ravi Shanker Nagar,Bhopal (M.P.) 462010

Subject: Budgawana Extension Limestone Mining Project of M/S Jaiprakash Associates Limited for Status of Compliance to Environmental Clearance granted by Ministry of Environment & Forest vide letter No.-J-11015/105/2008-IA. II (M) dated 31.07.2009.

Dear Sir,

1. We have been granted Environmental Clearance (EC) vide your above referred letter, dated 31.07.2009.
2. In compliance to clause XIII of General conditions, Six monthly compliance report for the period, **October, 2012 to March, 2013** to the conditions specified in the Environmental Clearance, is hereby submitted for your kind information please.

Thanking you
Yours faithfully


(S.C.Srivastava)

Sr. Vice President (Technical)
Jaypee Sidhi Cement Plant
(A Unit of Jaiprakash Associates Ltd)



Encl- As above **JAYPEE SIDHI CEMENT PLANT**
(A Unit of Jaiprakash Associates Ltd.)
Jaypee Vihar, Distt. Sidhi (M.P.)
Copy to : **Phones-07802-276703,276704**



1. The Zonal Officer, Central Pollution Control Board, IIIrd floor, Shakar Bhawan, North T.T. Nagar, Bhopal(M.P.)462003
2. The Member Secretary, M.P. Pollution Control Board Parayavaran Bhawan ,E-5, Arera Colony, Bhopal (M.P.)462016
3. The Regional Officer, M.P. Pollution Control Board, MIG-190/191,Nehru Nagar, Rewa(M.P.)486001








Status of Compliance (Period: October 2012 to March 2013) to the conditions stipulated in the Environment Clearance granted by MoEF vide letter No.- J 11015/105/2008-IA.II(M) dated 31/07/2009, for 0.3 MTPA Budgawana Extension Limestone Mine (A Unit of Jaiprakash Associates Limited) Located at Village Budgawana, Distt. Sidhi (M.P)

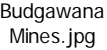
A. Specific conditions


No.	Conditions	Status of compliance
i	The project proponent shall obtain Consent to Establish and Consent to Operate from the Madhya Pradesh Pollution Control Board and effectively implement all the conditions stipulated therein.	Application for consent to establish has already been submitted to MPPCB vide our letter no-JSCP/MINES/COORD/2009-2010 dtd 30.04.2009 and re-submitted vide our letter no JAL/JSCP/MINES/COORD/2013, dtd 04.03.2013 through online system.
ii	Prior approval from the Standing Committee of National Board for Wildlife shall be obtained due to location of the Crocodile Sanctuary within 10 km of the mine lease, before starting any activity relating to the project at site. All the conditions stipulated by the Standing Committee shall be effectively implemented in the project.	<p>Approval from National Board of Wild life had received vide letter no. F. No. 6-43/2007 WL-I(XIII) MoEF, Wildlife division, CGO Complex, Lodi road, New Delhi dated 10.05.2011. Copy is enclosed as Annexure-I.</p> <p align="center"> REPLY OF NWBL.pdf</p> <p>The present status of the 'Wild Life Clearance' conditions has already been submitted to the Principal Chief Conservator of Forest (WL), Bhopal (M.P.) Our vide letter no-JAL/JSCP/438/2012 dt. 14.07.2012. Copy of the same are enclosed as Annexure-II</p> <p align="center"> NOC Wildlife.pdf</p>

iii	Necessary forestry clearance under the Forest (Conservation) Act, 1980 for an area of 66.949 ha forestland involved in the project shall be obtained before starting mining operation in that area. Environmental clearance is subject to grant of forestry clearance. No mining shall be undertaken in the forest area without obtaining requisite prior forestry clearance.	Forest clearance has been received vide letter No-8-66/2007 FC GOI, MOEF, New Delhi dt.12.11.2012 Copy of the clearance order is enclosed as Annexure-III  Final Forest Clearance Budgauna.
iv	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 or 2004, as may be applicable to this project.	Noted and Agreed
v	The project proponent shall effectively implement all the conditions stipulated by the Chief Wildlife Warden in their NOC dated 13.08.2008 issued to this project.	All the conditions stipulated by the Chief Wildlife Warden will be implemented. The status of compliance to the conditions stipulated in the NOC is provided at Annexure-IV .  NOC Wildlife.pdf
vi	The project proponent shall ensure that no natural watercourse and/or water resources are obstructed due to any mining operations. Adequate measures shall be taken while diverting the 1 st order streams and 2 nd order streams, during the course of mining operation.	No natural water course will be obstructed due to mining activities. The 1 st order and 2 nd order streams, will be diverted by providing suitable garland drain and check dam during the course of mining operation.
vii	The top soil shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for a long. The topsoil shall be used for land reclamation and plantation.	Top soil shall be stacked properly at earmarked site with proper slope. The top soil will be used for land reclamation and plantation.
viii	The over burden generated during the initial years due to mining operation shall temporarily be stacked at earmarked dump site(s) only and thereafter concurrently backfilled. Backfilling shall start from the 6 th year onwards and there shall be no external over burden dump after the 7 th year. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment & Forests and its Regional Office located at Bhopal on six monthly basis	Over burden will be stacked at earmarked dump site. Backfilling will be undertaken after sixth years onwards as stipulated. The back filling area will be reclaimed and rehabilitated by tree plantation. The rehabilitated area will be monitored & managed till the plantation will become self sustaining. Compliance status is submitted to MoEF on six monthly basis
ix	The void left unfilled in an area of 16 ha shall be converted into water body. The higher benches of excavated void /mining pit shall be terraced and plantations done to stabilize the slopes. The slope of higher benches shall be made gentler for easy accessibility by local people to use the water body.	The water body will be developed in 16 ha. Land area at the end of mine life with peripheral fencing and plantation all around water body as per the condition.

	Peripheral fencing shall be carried out along the excavated area.	
x	<p>Catch drains and siltation ponds of appropriate size shall be constructed around the working pit, soil, mineral and temporary OB dumps to prevent run off of water and flow of sediments directly into the seasonal nallahs, ponds and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted particularly after the monsoon and maintained properly.</p> <p>Garland drains, setting tanks and check dams of appropriate size gradient and length shall be constructed both around the mine pit and temporary over burden dumps to prevent run off of water and flow of sediments directly into the seasonal nallahs, Bansagar Canal and other water bodies 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 garland drains and desilted at regular intervals.</p>	<p>Catch drains & siltation ponds will be provided as per the guidance around the working pit, soil, mineral and temporary OB dumps to prevent run-off water and flow of sediments directly into the seasonal nallah, Bansagar Canal and other water bodies .The collected water will be utilized as suggested for watering the mine area, roads, green belt development etc. Garland drains, settling tanks and check dams of appropriate size gradient and length will be constructed both around the mine pit and temporary over burden dumps as per the guidance.</p>
xi	Dimension of the retaining wall at the toe of the temporary dumps and the OB benches within the mine to check run-off and siltation should be based on the rain fall data.	Retaining wall at the toe of the temporary dumps and the OB benches will be constructed based on rain fall data.
xii	Plantation shall be raised in an area of 50ha including a 7.5m wide green belt in the safety zone around the mining lease in an area of 10_ha by planting the native species around ML area, backfilled and reclaimed area, around water body and benches of the excavated pit, roads etc. in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2000 plants per ha.	Plantation shall be development in an area of 50ha including a 7.5m wide green belt in the safety zone around the mining lease in an area of 10_ha by planting the native species around ML area, backfilled and reclaimed area, around water body and benches of the excavated pit, roads etc will be taken up in consultation with District Forest Department as suggested. Local & native species will be selected for the plantation.
xiii	Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RSPM such as haul road, loading and unloading point and transfer points. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	Effective safeguards measures such as dust containment and suppression by water sprinkling will be taken for control of air emissions at haul road, loading and unloading point and transfer points. Ambient Air Quality will be monitored for RSPM &PM2.5 and the data conforms to the stipulated standards.
xiv	The project authority shall implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board	Suitable water conservation measures such as rain water harvesting and water shed management will be taken to augment ground water resources in the area in



		<p>consultation with the Regional Director, Central Water Board.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <hr style="width: 80%; margin: 0 auto;"/> <p>Ground water Monitoring for Budaga</p> </div> <div style="text-align: center;">  <hr style="width: 80%; margin: 0 auto;"/> <p>Hydrology & Hydrogeology Budaga</p> </div> </div>
xv	<p>Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and installing new piezometers during the mining operation. The periodic monitoring (at least four times in a year – pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January), once in each season) shall be carried out in consultation with the State Ground Water Board/ Central Ground Water Authority and the data thus collected may be sent regularly to the Ministry of Environment and Forests and its Regional Office Bhopal, the Central Ground Water Authority and the Regional Director, Central Ground Water Board. If at any stage it is observed that the groundwater table is getting depleted due to the mining activity, necessary corrective measures shall be carried out.</p>	<p>Ground water level monitoring & quality analysis are being carried out periodically. The data are provided in Annexure-V. Reports are being sent to all concerned Authority.</p> <div style="text-align: center;">  <hr style="width: 80%; margin: 0 auto;"/> <p>Ground water Monitoring for Budaga</p> </div>
xvi	<p>Suitable rainwater harvesting measures on long term basis shall be planned and implemented in consultation with the Regional Director, Central Ground Water Board.</p>	<p>Rain water harvesting is being planned and will be implemented, in consultation with CGWB.</p> <div style="text-align: center;">  <hr style="width: 80%; margin: 0 auto;"/> <p>RWH Budgauna Ext Mines.pdf</p> </div>
xvii	<p>Appropriate mitigative measures should be taken to prevent pollution of the Sone River in consultation with the State Pollution Control Board.</p>	<p>All necessary measures are being taken up to prevent pollution in the Sone river. The water quality of the river is also being regularly monitored in up-stream and down-stream. Analysis report is attached Annexure-VI.</p> <div style="text-align: center;">  <hr style="width: 80%; margin: 0 auto;"/> <p>Son Data.xlsx</p> </div>
xviii	<p>Prior permission from the competent authority shall be obtained for drawl of ground water, if any, required for the project.</p>	<p>In the mining activities, water requirement for water sprinkling will be met by rain water harvesting. Prior permission from the competent authority will be obtained</p>


		for drawl of water (surface water and ground water) if any, required for the project.
xix	Minerals handling area shall 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.	(Water sprinkling arrangement at loading & unloading area and the transfer points will be installed to maintain dust free by adopting efficient dust control arrangements.)
xx	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 vehicles should be covered with a tarpaulin and shall not be overloaded.	Regular maintenance of mining equipment will be carried out & Vehicular emissions will be kept under control. While transportation of the raw material the vehicles are not to be overloaded
xxi	Blasting operation shall be carried out only during the daytime. Controlled blasting should be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.	Blasting operation is carried out only during day time. Controlled blasting is carried out to minimize the ground vibrations and the mitigate measures will be taken to control of ground vibration & arrest fly rocks. Optimization of blast design was carried to control ground vibration by Central Institute of Mining & Fuel Research, Dhanbad, Jharkhand. Report is attached as Annexure VII 
xxii	Drills shall either be operated with dust extractors or equipped with water injection system.	Wet drilling will be used to control dust emissions.
xxiii	Sewage treatment plant shall be installed for the colony, ETP shall also be provided for the workshop and wastewater generated during the mining operation.	STP has been installed for the colony. Oil & grease trap has been provided for the Auto workshop. No waste water generated during mining operation.
xxiv	The project authorities shall undertake sample survey to generate data on pre-project community health status within a radius of 1 km from proposed mine.	Sample survey will be taken up in the area.
xxv	Pre-placement medical examination and periodical medical examination of the workers 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.	Pre-placement medical examination will be carried out and records will be maintained. Regular health check up of the worker will also be carried out as per the schedule drawn.
xxvi	Provision shall be made for the housing of construction labour within the site	No such housing facilities are required because the

	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.	workers engaged in the mining activities are from nearby villages and therefore prefer to reside in their villages
xxvii	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna such as python, peacock 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 included in the project cost. A copy of action plan shall be submitted to the Ministry of Environment and Forests and its Regional Office, Bhopal.	All precautionary measures are being taken up for the protection of endangered fauna species like python & peacock etc. Action plan for conservation of flora & fauna has already been prepared and submitted to Principal Chief Conservator of forest (Wildlife) Bhopal; vide our letter No.DM/4232/Bhopal Dated 13.08.2008. Allocation of the funds has been made as per the proposed plan. Copy is attached as Annexure-VIII  wild life conservation.pdf
xxviii	The critical parameters such as SPM, RSPM, and NOX in the ambient air within the impact zone, peak particle velocity at 300m distance or within the nearest habitation, whichever is closer shall be monitored periodically. Further, quality of discharged water shall also be monitored (TDS, DO, PH and Total Suspended Solids (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-20012/1/2006-IA.II(M) dated 27.05.2009 issued by Ministry of Environment and Forest , which is available on the website of the Ministry www.envfor.nic.in shall also be referred in this regard for its compliance.	All critical parameters such as_(RPM, NOx) in the ambient air within the impact zone, peak particle velocity at 300 m distance or within the nearest habitation will be monitored periodically and data will be uploaded in company website and also on display board at project site.
xxxix	A Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment & Forest 5 years in advance of final mine closure for approval.	Noted and will be implemented.

B. General Conditions

No.	Conditions	Status of compliance
i	No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment & Forests.	Noted and Agreed-
ii	No change in the calendar plan including excavation, quantum of mineral limestone and waste should be made.	Noted and Agreed-
iii	Atleast four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM, SPM, SO ₂ & NO _x monitoring. Location of 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.	Ambient air quality monitoring will be carried out once in a month at four locations in core zone as well as in buffer zone for RSPM,PM _{2.5} , SO ₂ & NO _x .
iv	Data on ambient air quality (RSPM, SPM, SO ₂ & NO _x) should be regularly submitted to the Ministry including its Regional office located at Bhopal and the State Pollution Control Board / Central Pollution Control Board once in six months.	Ambient air Quality monitoring data will be submitted regularly to the Ministry including its Regional office located at Bhopal and the State Pollution Control Board / Central Pollution Control Board on six monthly basis.
v	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.	Measures will be taken for fugitive dust emission control by dust containment and suppression. Water spraying arrangement will be provided on haul roads, loading and unloading and at transfer points
vi	Measures should be taken for control of noise levels below 85 dBA in the work environment. Works engaged in operations of HEMM, etc should be provided with ear plugs/muffs.	Measures will be taken up for controlling the noise level below 85 dB(A) in the work zone area. Operators of HEMM will be provided ear plug/muffs.
vii	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 19 th May, 1993 and 31 st December, 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.	Oil and grease trap is being installed for Auto workshop waste water. Effluent discharge conforms to the stipulated standards.
viii	Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety	Mine workers working near dust prone area will be provided with protective respiratory devices

	and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and corrective measures, taken if needed.	and will be imparted adequate training and information on safety and health aspects. Periodic health surveillance program will be taken up as stipulated.
ix	The project authorities should inform to the Regional Office located at Bhopal regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Will be informed accordingly.
x	A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.	An Environment Management Cell has been constituted. Organization chart of the Environment Management Cell is attached as Annexure-IX .  Environment Presentation.pptx
xi	The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office located at Bhopal.	Noted and Agreed
xii	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 the requisite data / information / monitoring reports.	Noted and Agreed-
xiii	The project proponent shall submit six monthly report on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment and Forests, its Regional Office, Bhopal, Central Pollution Control Board and State Pollution Control Board.	Six monthly reports will be submitted accordingly.
xiv	A copy of clearance letter shall be sent by the proponent to concerned panchayat, zila Parisad / Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestion / representation, if any, was received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Copy of EC has already marked to Panchayat (Copy already submitted). A marked Copy of panchayat is attached as Annexure-X .  Paper Cutting of EC.pdf
xv	State Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industry Centre and Collector's Office/Tehsildar's	Already Complied by SPCB.

	Office for 30 days.	
xvi	The environmental statement for each financial year ending 31 st 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) Rule, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC condition and shall also be sent to the Regional Office of the Ministry of Environment and Forests, at Bhopal by e-mail.	Noted and Agreed.
xvii	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.	Complied. Matter was published in Dainik Jagran and Navbharat & Raj Express Newspapers. (Copy already submitted). A copy of letter enclosed as Annexure-XI  Paper Cutting of EC .pdf
xviii	The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	Noted and Agreed
xix	Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provision of Environment (protection) Act, 1986.	Noted and Agreed
xx	The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High court of Madhya Pradesh and any other court of Law relating to the subject matter.	Noted and agreed
xxi	Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority. if preferred within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.	Noted and Agreed