

EC Conditions Six Monthly Compliance Report

(by Project Proponent)



Proposal No : IA/MP/IND/19733/2008

1. Name of the Entity / Corporate Office :

2. Proponent Details :


Proponent Name :	Manoj	Designation :	Asst VP Mines
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Website :	http://prismjohnson.in	Pin Code :	485111
State :	Madhya Pradesh	District :	Satna
Village/Town :			

3. Compliance Letter/Report (Proponent):





4. Summary Status of Compliance :




Total Condition :	47		
Complied :	19	Being Complied :	22
Not Complied :	0	Partially Complied :	0
Agreed to Comply :	6		




5. Details of Production and Project Area : 6. Specific Conditions (Proponent):

S.No	Condition	Self Declaration	Remarks / Reason	Supporting Documents	Observation of IRO
1	The company shall make the efforts to utilize the high calorific hazardous waste in the cement kiln and necessary provisions shall be	Being Complied	High calorific hazardous waste in the kiln is used with necessary provisions.		

	made accordingly. The company shall keep the record of the waste utilized and shall submit the details to Ministry's Regional Office at Bhopal, CPCB and SPCB.		The record of the waste utilized is kept and same is submitted to CPCB & SPCB.		
2	The gaseous and particulate matter emissions from various units shall conform to the standards prescribed by the Madhya Pradesh Pollution Control Board. At no time, particulate emissions from the cement plant including kiln, coal mill, and cement mill, cooler and captive power plant (CPP) shall not exceed 50 mg/Nm ³ . Continuous on-line monitors for particulate emissions shall be installed. Interlocking facility shall be provided in the pollution control equipment so that in the event of the pollu	Complied	The gaseous and the particulate matter emissions from various units are well within the prescribed norms. There is no CPP at our cement plant. CAAQMS & CEMS is installed.		
3	Secondary fugitive emissions shall be controlled within the prescribed limits and regularly monitored. Guidelines/Code of Practice issued by the CPCB in this regard should be followed. The company shall install adequate dust collection and extraction system to control fugitive dust emissions at material transfer points. Atomized water spray system with reclaimers shall be installed in silo used for the storage of ash. Covered conveyor belts shall be used to reduce fugitive emissions. Concreting	Complied	Secondary fugitive emissions are controlled and are maintained well within the prescribed limits. Atomized sprinklers and water spraying arrangement provided at source of dust generation.		
4	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 MPPCB and data for air emissions shall be submitted to the CPCB and MPPCB regularly. The instruments used for ambient air quality monitoring shall be calibrated time to time.	Complied	Ambient Air emission parameters and noise levels are well within the prescribed norms. Monitoring of ambient air quality and noise level is monitored regularly. Calibration is done time to time.		
5	Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land.	Complied	Raw materials and end products are being transported in trucks covered by the tarpaulin and bulkers to reduce the effects of fugitive emission on the surrounding environment and agriculture land.	N/A	
6	Fly ash shall be utilized as per the provisions of Fly Ash Notification-1999, subsequently amended in 2003. Fly ash shall be stored in ash silo and 100% used in the cement manufacturing	Complied	Fly ash is being utilized as per the provisions of Fly ash Notification 1999, subsequently amended in 2003. Fly ash is being stored in ash silo and 100% used in the cement manufacturing.		






7	The company shall make the efforts to utilize the high calorific hazardous waste in the cement kiln and necessary provisions shall be made accordingly. The company shall keep the record of the waste utilized and shall submit the details to Ministry's Regional Office at Bhopal, CPCB and SPCB.	Complied	Permission for utilization of High calorific hazardous waste in the cement kiln has been taken. Record of the waste utilized is being maintained and is submitted to the CPCB & SPCB.	N/A	
8	Total water requirement shall not exceed 2500 m3/day. The treated wastewater from STP and utilities shall be reutilized for green belt development and other plant related activities i.e. cooling and dust suppression in raw material handling area etc., after necessary treatment. `Zero' discharge shall be strictly adopted and no effluent from the process shall be discharged outside the premises.	Complied	Water consumption will not exceed 2500 m3 / day. Waste water generated is treated with the help of STP and the treated water is being used for the development of green belt. Zero Discharge is adopted.		
9	Rainwater harvesting measures shall be adopted for the augmentation of ground water at cement plant, colony and mine site. Besides, company must also harvest the rainwater from the rooftops and storm water drains to recharge the ground water. The company must also collect rain water in the mined out pits of captive lime stone mine and use the same water for the various activities of the project to avoid fresh water requirement. An action plan shall be submitted to Ministry's Region	Being Complied	Rain water harvesting measures have been implemented in plant premises as well in Mines and nearby villages. There are 12 Nos of Roof top rain water harvesting structures in plant premises.		
10	The project proponent shall modify the mine plan of the project at the time of seeking approval for the next mining scheme from the Indian Bureau of Mines so as to reduce the area for external over burden dump by suitably increasing the height of the dumps with proper terracing. It shall be ensured that the overall slope of the dump does not exceed 28 degree.	Agreed to Comply	We have obtained approval of further Schemes of mining for the leases. Dump height and slope has been maintained as per guidelines.		
11	Top soil if any, shall be stacked with proper slope at earmarked site(s) only with adequate measures and should be used for reclamation and rehabilitation of mined out areas.	Being Complied	The top soil generated during Mining is being stacked at the earmarked site and is used for reclamation of Mined out area by spreading it over the waste rock after backfilling, and for plantation.	N/A	
12	The project proponent shall ensure that no natural water course shall be obstructed due to any mining and plant operations. The company shall make the plan for protection of the natural water course passing nearby mine	Complied	No natural water course is obstructed due to mining & plant operations.		

	area and submit to the Ministry's Regional Office at Bhopal.				
13	The inter burden and other waste generated shall be stacked at earmarked dump site(s) only and should not be kept active for long period. The total height of the dumps shall not exceed 30 m in three terraces of 10 m each and the overall slope of the dump shall be maintained to 28 degree. The inter burden dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. Monitoring and management of rehabilitated areas should continue until the vegetatio	Being Complied	The inter burden and waste generated during mining has been stacked at earmarked dump site as per approved mining plan. Last EC Compliance was submitted vide letter no. PJI/ENV/2022/576 dated 01.12.22		
14	The void left unfilled shall be converted into water body. The higher benches of excavated void/mining pit shall be terraced and plantation to be 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. Peripheral fencing shall be carried out along the excavated area.	Being Complied	Rain water harvesting reservoir has been already developed which is having capacity of 13 lakh M3. Total of 26,223 nos of plantation is done in FY 22-23.Fencing is being done around the periphery.	N/A	
15	Catch drains and siltation ponds of appropriate size should be constructed for the working pit, inter-burden and mineral dumps to arrest flow of silt and sediment. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly de-silted, particularly after monsoon, and maintained properly.	Being Complied	Catch drains along dumps and 02 siltation ponds of appropriate size have been constructed. The water so collected is being utilized for watering of Mine area, green belt development etc		
16	Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and inter-burden dumps 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 settling of silt material. Sedimentation pits should be constructed at the corners of the garland drains and de-silted at re	Being Complied	Garland drain having dimension of cumulative length of 3.0 Km, a width of 2.0 to 3 meters and depth of 0.75 to 1.2 meter. It is having appropriate gradient following Natural contour.	N/A	
17	Dimension of the retaining wall at the toe of inter-burden dumps and inter-burden benches within the mine to check run-off and siltation should be based on the rain fall data.	Being Complied	Retaining walls and siltation and toe drains are maintained to check runoff and siltation.	N/A	
18	Regular monitoring of ground water level and quality should be carried out by establishing a network of existing wells and constructing new piezometers at suitable locations by the project proponent in and around project area in consultation with Regional Director, Central	Complied	Regular monitoring of ground water level and quality is being carried out by the means of constructed Piezometers, wells, hand pumps etc at		





	Ground Water Board. The frequency of monitoring should be four times a year- pre-monsoon (April / May), monsoon (August), post monsoon (November), and winter (January). Data thus collected shall be sent at regular intervals to		the site in and around Project area		
19	Blasting operation should be carried out only during the daytime. Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders shall be implemented.	Being Complied	Blasting operations are carried out during the day time only. Controlled blasting is carried out according to the recommendation of Central Institute of Mining and Fuel Research.		
20	The project proponent shall adopt wet drilling.	Being Complied	Complying with Regular wet drilling is practiced.	N/A	
21	As proposed, green belt should be developed in 33% in and around the plant as per the CPCB guidelines.	Being Complied	Total 26223 nos of plantation has been done in Mines area and 11686 no. of plantation has been done in plant and colony premises. In addition to the above we have planted & distributed 120000 in CSR	N/A	
22	All the recommendations of the Corporate Responsibility for Environmental Protection (CREP) shall be strictly followed.	Being Complied	Agreed	N/A	
23	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.	Complied	Vehicular emission is kept under control. Regular maintenance of all vehicles is done as per manufacturer's maintenance schedule. No vehicle without valid PUC is allowed inside the plant and mines.	N/A	
24	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 Ministry of Environment and Forests and its Regional Office, Bhopal	Complied	Digital processing of entire lease area using remote sensing technique is being done and copy of same has been submitted to MoEF&CC and its Regional office.		
25	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.	Agreed to Comply	The documents will be submitted well before the 5 years of mine closure.	N/A	
26	The company shall comply with all the commitments made during public hearing on 22nd May, 2008	Being Complied	Adhering to the given condition we will strictly Comply with all the commitments made during public hearing on 22ndMay,		

2008. The public hearing comments present status is enclosed.

7. General Conditions (Proponent):

S.No	Condition	Self Declaration	Remarks / Reason	Supporting Documents	Observation of IRO
1	Industrial waste water shall be properly collected and treated so as to conform to the standards prescribed under GSR 422(E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated waste water shall be utilized for plantation purpose.	Being Complied	No industrial wastewater is generated as the cement plant is operated on dry process. For domestic wastewater, there is a sewage treatment plant with capacity of 600 KLD.		
2	Personnel 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 program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	Being Complied	Personal protective Equipment's are being provided to the workers. Regular Health check-up program is conducted is done for the workers.	N/A	
3	The project authorities shall inform to the Regional Office located regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Complied	The copy of the intimation of the financial closure of the project is enclosed.		
4	Measures should be taken for control of noise levels below 85dB (A) in the work environment. Workers engaged in operations of HEMM etc. should be provided with ear plugs/muffs.	Being Complied	Noise monitoring is carried out on regular basis so as to comply with the prescribed norms. Workers and employees are provided with earmuffs and necessary PPE's.		
5	The project authority shall adhere to the stipulations made by State Pollution Control Board (SPCB) and State Government.	Complied	Cement plant and all the mining operation are carried out with valid consent under air and water act issued by SPCB.		
6	No further expansion or modification of the plant shall be carried out without prior approval of this Ministry	Agreed to Comply	Agreed, further expansion or modification will be carried only after obtaining the permission from Ministry.	N/A	
7	At least four ambient air quality monitoring stations shall be established in the down wind direction as well as where maximum ground level concentration of SPM, SO2 and NOx are anticipated in consultation with the SPCB.	Being Complied	We are regularly monitor the ambient air quality at different locations in villages. Data on ambient air quality and stack		

	Data on ambient air quality and stack emissions shall be regularly submitted to this Ministry including its Regional Office and SPCB /CPCB once in six months.		emissions are being regularly submitted.		
8	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).	Being Complied	The overall noise level is within threshold limit of 85 dB(A). To arrest the noise levels all equipment are equipped with acoustic hoods, silencer, enclosures etc. Noise Monitoring report is enclosed		
9	Proper housekeeping and adequate occupational health programs shall be taken up. Occupational Health Surveillance programme shall be done on a regular basis and records for at least 30-40 years. The programme shall include lung function and sputum analysis maintained properly tests once in six months. Sufficient preventive measures shall be adopted to avoid direct exposure to dust etc.	Being Complied	We have already conducted various health surveillance programs whose records are maintained properly. Also sufficient preventive measures are adopted. Total 206 workers OHS was done		
10	The company shall undertake eco-development measures including community welfare measures in the project area.	Being Complied	Various programs per training to eco development and community welfare has been taken up by the company. Various Social, educational, healthcare and environment initiatives have been taken.		
11	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/ EMP.	Complied	Complying with We are strictly adhering with the Environment protection measures as stipulated in approved EMP of mines.	N/A	
12	A Separate Environmental Management Cell with full fledged laboratory facilities to carry out various management and monitoring functions shall be set up under the control of Senior Executive.	Complied	Environmental Management Cell is functioning effectively, Structure of which is enclosed.		
13	The capital cost and recurring cost annum earmarked for environmental protection equipments shall be Rs. 115 Crores and Rs.3.20 Crores to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. Time bound implementation schedule for implementing all the conditions stipulated herein shall be submitted. The funds so	Being Complied	Complying with the condition, the capital cost and the recurring cost earmarked for environmental protection are not diverted for any other purpose. Year Wise Recurring Expenditure is enclosed.		

	provided shall not be diverted for any other purpose.				
14	The Regional Office of this Ministry / CPCB / SPCB shall monitor the stipulated conditions. The project authorities shall extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	Agreed to Comply	Full cooperation shall be provided to the officer(s) of the Regional Office. Last compliance report was submitted vide letter no-. PJI/ENV/2022/576 Dated 01.12.22	N/A	
15	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.	Complied	The copy of the intimation of the financial closure Of the project is enclosed.		
16	No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment & Forests. No change in the calendar plan including excavation, quantum of limestone and waste shall be made.	Agreed to Comply	Agreed. No change in mining technology and scope of working will be made without prior approval of the Ministry of Environment & Forests.	N/A	
17	Measures should be taken for control of noise levels below 85dB (A) in the work environment. Workers engaged in operations of HEMM etc. should be provided with ear plugs/muffs.	Being Complied	Noise monitoring is carried out on regular basis so as to comply with the prescribed norms. Workers and employees are provided with earmuffs and necessary PPE's.	N/A	
18	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, 1993 and 31st December, 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.	Complied	Industrial waste water generated from workshop is passed through Oil & Grease trap before discharge. Report of Treated waste water is attached.		
19	A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom suggestion / representation, if any, was received while processing the proposal.	Complied	Panchayat receiving is enclosed		
20	State pollution control board should display a copy of the clearance letter at the Regional Office, District Industry Centre & Collector's office/ Tehsildar's office for 30 days.	Agreed to Comply	Not Applicable to PP	N/A	
21	The project authorities shall 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	Complied	Complied. Copy of advertisement is enclosed		

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 sha				
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****Note : N/A - Not Available**

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