

JRP/Env./2025-26

Date: 08/05/2025

The Director,
Ministry of Environment, Forest & Climate Change
Govt. of India, Kendriya Paryavaran Bhawan
Link Road No. 3, E-5 Ravi Shankar Nagar
Bhopal – 462016 (MP)

**Sub: Submission of Half Yearly Environmental Clearance Compliance Report for the Period
October '2024 – March '2025 of M/s Jaiprakash Associates Ltd.**

Dear Sir,

Please find enclosed herewith the Half Yearly Environmental Clearance Compliance report, in hard and soft copy, of below mentioned plant & mines of M/s Jaiprakash Associates Ltd.:

- **Jaypee Rewa Plant:** EC Reference No. - J-11011/79/2003-IA-II (I) Dated April 21, 2004.
- **Naubasta Lime Stone Mine (ML area - 460.310 ha):** EC Reference No. - J-11016/202/2003-IA-II (M) Dated 6th Jan 2005.
- **North – North Naubasta Lime Stone Mine (ML area - 171.362 ha):** EC Reference No. - J11015/423/2005-IA-II (M) dated 18th May 2006.
- **Bankuiyan Lime Stone Mine (ML area-533.939 ha):** EC Reference No.: J-11016/202/2003 – IA.II (M) dated 6th January, 2005.

Thanking You

Yours Faithfully

For Jaiprakash Associates Limited

(Authorized Signatory)

CC to:

- 1) **Zonal Officer** - For information please.
Central Pollution Control Board
Shankar Bhawan, 3rd Floor, North T.T Nagar,
Bhopal – (M.P.) 462016
- 2) **Member Secretary** - For information please.
Madhya Pradesh Pollution Control Board
Paryavaran Parisar, E – 5, Arera Colony,
Bhopal (M.P.) 462016
- 3) **Regional Officer** - For information please.
Madhya Pradesh Pollution Control Board, Rewa
HIG – 190 – 191 Nehru Nagar Rewa (M.P.) 486001



Name of the Project: Bankuiyan Limestone Mine (A unit of M/s Jaiprakash Associates Limited) for Mining Capacity of 1.6 MTPA at village Bankuiyan, Tehsil Huzur, District Rewa (M.P.)

Project Code:

Clearance Letter No. : MoEF vide letter no: - J-11016/202/2003-IA-II (M) Dated 6th Jan 2005

Period of Compliance Report: October '2024 – March ' 2025

A. SPECIFIC CONDITIONS

S. No.	Conditions	Status
I	Topsoil shall be stacked properly with proper slope at ear marked site(s) with adequate measures and should be used for green belt development.	Topsoil is being stacked properly at earmarked site with proper slope and is being used for green belt development.
II	<p>OB should be stacked at earmarked dump site only on temporary basis. Garland drains will be provided around the excavations to prevent storm water from catchments area to come in contact with freshly excavated areas. The drains will be provided all along the toe of the dump to arrest any soil erosion. Loose material slopes will be planted by making contour trenches at 2m intervals to check soil erosion.</p> <p>Plantation should be taken up for soil stabilization along the slopes of the dump. Sedimentation pits should be constructed at the corners of the garland drains. The surface run-off should be desilted through a series of check dams & drains before final disposal.</p>	<p>OB generated is accommodated in the waste dump site on temporary basis. Backfilling of mined out area has commenced. Garland drains along with the sedimentation pit at the corner have been provided around the excavation to prevent storm water from catchment area to come in contact with freshly excavated area. Drains are provided at the toe of the dump.</p> <p>Plantation has been done on slopes for stabilization. Check dams have been constructed.</p>
III	<p>Peripheral bunds, check dams & siltation ponds of appropriate size should be constructed to arrest silt & sediments flow from the mining operations. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted & maintained.</p> <p>Garland drain (size, gradient & length) & sump capacity should be designed keeping 50% safety margin over & above the peak sudden rainfall & maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material.</p>	<p>In order to arrest silt and sedimentation flow from the mining operation, check dams/siltation ponds have been constructed. The collected water has been used for sprinkling on the mine haul roads and green belt development. Sump & garland drain has been suitably designed and provided with 50% safety margin over the peak sudden rainfall. Sump capacity with adequate retention period has been provided to allow proper settling of silt material. Desalting of garland drains and sump is being done before rainy season.</p>
IV	Drills should be wet operated or with dust extractors & controlled blasting should be practiced.	Drilling operation is being carried out with wet drilling. Controlled Blasting is carried out under the supervision of statutory qualified person. Warning boards are displayed at various major approach roads to aware the villagers about the danger zone.
V	Crusher should be operated with high efficiency bag filters, water sprinkling system should be	Crusher is provided with adequate capacity bag filters. Water sprinkling system has also been provided at

	provided to check fugitive emissions from crushing operations, haulage roads, transfer points etc.	crusher, screens & transfer points. Haul roads are kept in wet conditions round the clock by water sprinklers.
VI	Plantation should also be raised along the roads, dump sites etc. This includes a wide green belt along the periphery of the ML area, OB dump & along roadside within the lease area by planting native plant series in consultation with local DFO/ Agriculture Department. At least 2500 plant species /ha should be planted.	Plantation is carried out along the roads, dumpsites and on reclaimed areas. Plantation details with survival percentage and area covered as under ; Total Area (Ha.): 392.679 Total Plantation : 47,005 Survival Rate : 80 % %Area Covered : 5.98
VII	OB generated shall be used to backfill the 195 ha of mined out area. A progressive Mine Closure Plan shall be implemented reclamation & rehabilitation programme of the mined out area shall be done.	The mined out area has been rehabilitated by back filling and subsequently spreading of top soil and carried out the plantation. Some of the area has been rehabilitated by converting the mine pit into a water reservoir. The reclamation & rehabilitation of the abandoned mine pits have been carried out in line with progressive mine closure plan.
VIII	Mining shall not intersect ground water. Prior approval of the MOEF & CGWA shall be obtained before mining below ground water.	The mine operation will intercept ground water aquifer and inflow of ground water into mine pit will start. This will be pumped out and treated for use in mining operation, dust suppression and irrigation. NOC for drawl of ground water received from Central Ground Water Authority (CGWA) vide ref. no. CGWA/NOC/MIN/ORIG/2022/16140 dated 25.08.2022.
IX	Regular monitoring of ground water level & quality should be carried out by establishing a network of existing wells & constructing new peizometers at suitable locations in project area. The frequency of monitoring should be minimum four times a year - January, pre-monsoon (April/May, monsoon (August), post monsoon (November), & winter (January) seasons for ground water level & in May for quality. Data generated from groundwater regime monitoring will be submitted to CGWB, Regional Office on an annual basis.	Regular monitoring of ground water level & its quality is being carried out. The analysis report result well within the prescribed Standard.
X	Digital processing of the entire lease area using remote sensing techniques should be done regularly once in 3 years for monitoring land use pattern & report submitted to MOEF & its Regional Office at Bhopal.	Study has been carried out by external agency and report already submitted to MoEF, CPCB & MPPCB vide our latter no. JAL / EC / MoEF&CC/2018 – 14 / 5107 dated 20.05.2013.
XI	A final mine closure plan along with details of Corpus Fund should be submitted to Ministry of Environment & Forests 5 years in advance of final mine closure for approval.	It is a running Mine and Progressive Mine closure plan has been approved by IBM, Nagpur.
XII	Consent to Operate should be obtained from the SPCB before commencing production.	Consent to operate from MPPCB vide their letter no. 5596/ TS/ MPPCB/ Mine / 2005 dated 22.03.2005 & subsequently renewed regularly.
XIII	The proponent shall earmark a separate fund of 1% with a minimum of Rs. 50,000/- of the total project cost for eco-development measures including community welfare measures in the project area. The amount shall be deposited by the company in a separate account within three months to be maintained by the Madhya Pradesh State Pollution Control Board. The action plan in this regard shall be submitted to the SPCB as well as to MOEF & its Regional Office at	Eco-development measures and community welfare are taken under Comprehensive Rural Development Programme (CRDP).

	<p>Bhopal within three months of issue of this letter. After approval of the action plan by the SPCB, the amount deposited shall be released in two installments to the project authorities based on progress of implementation. The SPCB shall ensure that implementation of the action plan for eco-development measures is completed within two years from date of its approval by SPCB. Further, the interest accrued during this period on the amount deposited by the proponent with the SPCB shall be ploughed back to the same eco-development fund.</p>	
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B. General Conditions

S. No.	Details of Conditions	Status of compliance																																																																						
I	No change in technology & scope of working should be made without prior approval of the Ministry of Environment & Forest.	Noted and Agreed.																																																																						
II	No change in the calendar plan including excavation, quantum of limestone, waste / OB dumps should be made.	Noted and Agreed.																																																																						
III	Four ambient air quality-monitoring stations should be established in the core zone as well as buffer zone for SPM, RPM, NO _x & SO ₂ . Location of the ambient air quality stations should be decided on meteorological data, topographical features & environmentally & ecologically sensitive targets & the frequency of monitoring should be undertaken in consultation with State Pollution Control Board.	<p>Regular monitoring carried out of Ambient Air quality of Core zone as well as buffer zone six monthly average monitoring report for period October '2024 – March '2025 given below;</p> <p>Core Zone:</p> <table><tr><th rowspan="2">Location</th><th colspan="5">Parameters (µg/m³)</th></tr><tr><th>PM₁₀</th><th>PM_{2.5}</th><th>SO₂</th><th>NO_x</th><th>CO</th></tr><tr><td>Drilling Site</td><td>35.5-44.5</td><td>20.0-29.8</td><td>5.0-9.0</td><td>9.0-14.0</td><td>70-130</td></tr><tr><td>L / S Loading Site</td><td>35.3-44.9</td><td>20.4-30.0</td><td>5.1-9.0</td><td>9.0-13.8</td><td>73-129</td></tr><tr><td>Near Haulage Road</td><td>35.1-44.7</td><td>20.2-29.9</td><td>5.1-9.0</td><td>9.0-13.7</td><td>74-130</td></tr><tr><td>Bankuiyan Camp</td><td>35.0-44.9</td><td>20.0-29.9</td><td>5.2-8.9</td><td>9.1-13.5</td><td>71-131</td></tr></table> <p>Buffer Zone:</p> <table><tr><th rowspan="2">Location</th><th colspan="5">Parameters (µg/m³)</th></tr><tr><th>PM₁₀</th><th>PM_{2.5}</th><th>SO₂</th><th>NO_x</th><th>CO</th></tr><tr><td>Marha</td><td>30.0-39.6</td><td>18.4-24.6</td><td>4.1-8.0</td><td>7.2-11.9</td><td>52-118</td></tr><tr><td>Banjaraha</td><td>30.5-40.0</td><td>18.1-24.7</td><td>4.1-7.8</td><td>7.0-11.8</td><td>50-119</td></tr><tr><td>Sakarwat</td><td>30.9-39.9</td><td>18.1-24.7</td><td>4.0-8.0</td><td>7.2-11.9</td><td>53-117</td></tr><tr><td>Babupur</td><td>30.2-40.0</td><td>18.0-24.8</td><td>4.0-7.9</td><td>7.0-11.9</td><td>52-119</td></tr></table>	Location	Parameters (µg/m ³)					PM ₁₀	PM _{2.5}	SO ₂	NO _x	CO	Drilling Site	35.5-44.5	20.0-29.8	5.0-9.0	9.0-14.0	70-130	L / S Loading Site	35.3-44.9	20.4-30.0	5.1-9.0	9.0-13.8	73-129	Near Haulage Road	35.1-44.7	20.2-29.9	5.1-9.0	9.0-13.7	74-130	Bankuiyan Camp	35.0-44.9	20.0-29.9	5.2-8.9	9.1-13.5	71-131	Location	Parameters (µg/m ³)					PM ₁₀	PM _{2.5}	SO ₂	NO _x	CO	Marha	30.0-39.6	18.4-24.6	4.1-8.0	7.2-11.9	52-118	Banjaraha	30.5-40.0	18.1-24.7	4.1-7.8	7.0-11.8	50-119	Sakarwat	30.9-39.9	18.1-24.7	4.0-8.0	7.2-11.9	53-117	Babupur	30.2-40.0	18.0-24.8	4.0-7.9	7.0-11.9	52-119
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IV	Data on Environmental Quality should be regularly submitted to the Ministry including its Regional Office at Bhopal & the State Pollution Control Board / Central Pollution Control Board once in six months.	<p>Data on environmental quality is being regularly submitted to the MoEF Regional Office at Bhopal, State Pollution Control Board and Central Pollution Control Board, once in six months.</p> <p>Monitored environmental data of last six month have already been submitted vide our letter no. JRP/Env./2024-25 Date: 15th November 2024.</p>																																																																						
V	Adequate measures for control of fugitive emissions should be undertaken such as water spraying arrangements on haul roads, loading & unloading points, & transportation of minerals etc. Fugitive dust emissions from all sourced should be regularly monitored & data recorded properly.	Measures have been taken for control of fugitive emissions, such as water spraying arrangements through tankers for dust suppression on haul roads, loading and unloading points and by providing covers on conveyors belts for transportation of minerals.																																																																						
VI	Adequate measures should be taken for control of noise levels below 85(dB)A in the work environment. Workers engaged in blasting & drilling operations, operations of HEMM etc., should be provided with ear plugs / muffs.	Adequate measures have been adopted for control of noise levels and is maintained below 85 dB (A) in the work environment. Workman engaged in drilling & blasting operation and operators of HEMM have been provided with ear plugs/muffs.																																																																						
VII	Industrial wastewater (workshop & wastewater 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 & 31 st December 1993 or as amended from time to time. Oil & grease trap should be installed before discharge of effluents from the workshop.	<p>No wastewater is generated from the mining operation. A centralized mines auto workshop is in operation at Jaypee Nagar.</p> <p>The waste water generated from Mine workshop is passed through oil and grease separator and settling tank and clean water conform to the standards. The collected water is being used for dust suppression on haul roads. Analysis data are well within the prescribed standard.</p>																																																																						

VIII	Personnel working in dusty areas should wear protective respirator devices & they should also be provided with adequate trainings & information on safety & health aspects. Occupational health surveillance programme of the workers should be undertaken periodically & corrective measures taken, if required.	Personnel working in dusty areas have been provided protective respiratory devices and also they have been provided with adequate training and awareness on safety and health aspects. Occupational health surveillance programme of the workers have been undertaken periodically and corrective measures are taken, if required.
IX	The data on environmental quality should be collected & analyzed either through an in-house environmental laboratory established with adequate number & type of pollution monitoring & analysis equipment or got analyzed through an approved laboratory under the Environment (Protection) Rules 1986 in consultation with the State Pollution Control Board.	The monitoring and analysis of environmental parameter are being carried out in-house in well equipped environmental laboratory run under experienced and well trained environment personal.
X	A separate environmental management cell with suitable qualified personnel should be set under the control of a senior executive who will report directly to the head of the Organization.	A separate environmental management cell with suitable personnel under the control of a senior executive has already been established.
XI	The funds earmarked for environmental protection measures should be kept in separate account & not diverted for any other purpose. Year-wise expenditure should be reported to Ministry of Environment & Forest.	The expenditure incurred for Environment protection measures for the period October '2024 – March '2025 is Rs 7.12 Lac.
XII	The project authorities should inform to the Regional Office located at Bhopal regarding date of financial closures & final approval of the project by the concerned authorities & the date of start of land development work.	Noted. The mine is in operation since 2005.
XIII	The Regional Office of this Ministry located at Bhopal shall monitor compliance of the stipulated environmental 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.
XIV	A copy of the clearance, letter should be marked to the concerned Panchayat/local NGO, if any, from whom any suggestion/representation has been received while processing the proposal.	Environment Clearance letter sent to respective Panchayat and receipts were taken.
XV	The State Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industry Center & the Collector's/Tehsildar's Office for 30 days.	Environment Clearance letter copy sent to respective deptt. and receipts were taken.
XVI	The project authorities should advertise at least in two newspapers widely circulated around the project, one of which shall be in the vernacular language of the locality concerned within 7 days of issuance of the clearance letter informing that the project has been accorded environmental clearance & a copy of the clearance letter is available with the State Pollution Control Board & may also be seen at website of the Ministry of Environment & Forest at http://envfor.nic.in .	Complied. The mine is already in operation since 2005.
3.	The Ministry or any other competent authority may stipulate any further additional condition for environmental protection.	Noted and Agreed
4.	Failure to comply with any of the conditions	Noted and Agreed

	mentioned above may result in withdrawal of this clearance.	
5.	The above conditions will be enforced, inter-alia, under the provision of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act. 1986 & the Public Liability Insurance Act 1991 alongwith their amendments & rules.	Noted and Agreed

NOTE: Mine was not in operation during reporting period.