



The Additional PCCF,  
Ministry of Environment, Forests & Climate Change  
Regional office (West Central Zone),  
Ground Floor, East Wing,  
"New Secretary Building"  
Civil lines, Nagpur - 440001

28/05/2019

**Subject: Compliance Status of Environment Clearance conditions for Kasarsada Bauxite Mines.**

Dear Sir,

We have been granted Environment Clearance to our **Kasarsada Bauxite Mines** on 1<sup>st</sup> March 2007 vide clearance No J-11015/247/2005-IA-II (M).

The compliance for the 6 months duration (October 2018 to March 2019) against the conditions laid down in the Environment Clearance is attached herewith. In this regard, please be informed that, since 2<sup>nd</sup> October 2011, the mining activities of our above mine have been stopped post expiry of forest clearance.

Hope, you will please find the above in order.

Thanking you,

Yours very truly,

  
Uday V. Pawar  
Head-West Coast Mines  
Hindalco Industries Limited.

Encl. A/a  
Copy to:

1. The Member Secretary,  
Central Pollution Control Board,  
Parivesh Bhavan, East Arjun Nagar,  
DELHI - 110032
2. The Regional Officer  
Maharashtra Pollution Control Board  
Udyog Bhawan, KOLHAPUR - 416 003.

Hindalco Industries Limited

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**COMPLIANCE TO ENVIRONMENT CLEARANACE CONDITIONS**  
**(Kasarsada Bauxite Mines Environment clearance No J-11015/247/2005-IA-II (M)**

**Dt. 01/03/2007)**

<b>S.NO</b>	<b>CONDITIONS :</b>	<b>PRESENT COMPLIANCE STATUS</b>
	<b>A. SPECIFIC CONDITIONS</b>	
1	Top soil shall be stacked properly with proper slope and with adequate safeguards and shall be backfilled for reclamation and rehabilitation of mined out area.	The top soil stacked during mine development was rehandled and used for mine restoration. Now there is no top soil stack on the mine plateau. The Mine is not in operation since Oct. 2011 post expiry of forest clearance.
2	Overburden shall be stacked at earmarked dump site(s) only and shall not be active for long period. The maximum height of dump shall not exceed 30m; each stage shall preferably be 10m and over all slope of the dump shall not exceed 28 degree. The mine pit area shall be reclaimed by back filling by back filling O.B in a phased manner. The O.B dump shall be scientifically vegetated with suitable native species to prevent erosion and surface run off.	Overburden generated during development stage has been back filled into the mined out pits for reclamation. The Mine is not in operation since Oct. 2011 post expiry of forest clearance.
3	Garland drains shall be constructed to arrest silt and sediment flows from soil, and mineral dumps. The water so collected shall be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly. Garland drain (size, gradient and length) shall be constructed for both mine pit and for waste dump.	The drains have been developed to channelise the run-off water to silt check dams when mine was operational. The Mine is not in operation since Oct 2011 post expiry of forest clearance.
4	Drilling and blasting shall be using extractors/wet drilling.	The Mine is not in operation since Oct 2011 post expiry of forest clearance.
5	Plantation shall be raised in an area of 92.6 ha including green belt of adequate width by planting the native species around the ML area, roads, OB dump sites etc. in consultation with local DFO/Agriculture Department. The density of the trees shall be around 2000 plants per ha.	Scientific plantation activities have been carried out with the help of reputed forestry experts & local forest department on the mined out areas, while mine was in operation. The Mine is not in operation since Oct 2011 post expiry of forest clearance

6	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.	Water harvesting ponds have been developed in the mined out areas while mine was in operation which is still exist. The Mine is not in operation since Oct 2011 post expiry of forest clearance
7	Regular monitoring of ground water level and quality shall be carried out by establishing a network of existing wells and constructing new piezometers during the mining operation.	The ground water quality was monitored on quarterly basis when mine was in operation. The mining was carried out to a depth of 7 to 10 mts from the surface. There was no interaction with the ground water and hence there was no disturbance to the ground water table.  The Mine is not in operation since Oct 2011 post expiry of forest clearance
8	Prior permission from the competent authority shall be obtained for drawal of ground water, if any.	Not applicable as the mine is not in operation since Oct 2011 post expiry of forest clearance.
9	Vehicular emission shall be kept under control and regularly monitored; Measures shall be taken for maintenance of vehicle used in mining operations and in transportation of minerals. The vehicle shall be covered with tarpaulin and shall not be overloaded	Not applicable as the mine is not in operation since Oct 2011 post expiry of forest clearance.
10	A Final Mine Closure plan, along with the details of the Corpus fund, shall be submitted to the ministry of Environment and Forests 5 years in advance of final mine closure in advance.	The progressive mine closure plan is approved by IBM .The final closure plan will be submitted as per the prescribed timelines and directions of competent authorities.
11	The Company shall limit production to 0.25 million TPA of bauxite and shall not operate with 0.45 million TPA till the IBM has granted approval.	Noted and agreed. The Mine is not in operation since Oct 2011 post expiry of forest clearance
	<b>B. GENERAL CONDITIONS</b>	
1	No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment & Forests.	Noted and agreed.
2	No change in the calendar plan including excavation, quantum of minerals bauxite and waste shall be made.	Noted and agreed.
3	Conservation measure for protection of flora and fauna in the core & buffer zone shall be drawn up in consultation with the local forest and wildlife department.	The core area flora was protected and the plantation was carried out scientifically. The mining activities were restricted to daylight working only. The Mine is not in operation since Oct 2011 post expiry of forest clearance.

4	Four ambient air quality-monitoring stations shall be established in the core zone as well as in the buffer zone for RPM,SPM,SO <sub>2</sub> ,Nox,	Ambient air quality monitoring stations were established in the core zone as well as buffer zone as per requirement. The Mine is not in operation since Oct 2011 post expiry of forest clearance
5	Data on the ambient air quality (RPM, SPM, SO <sub>2</sub> , and Nox) should be regularly submitted to the Ministry including its Regional offices located at Bangalore and State Pollution Control Board / Central Pollution Control Board once in six months.	The air quality monitoring was carried out periodically while the mining activity was ongoing. The Mine is not in operation since Oct 2011 post expiry of forest clearance
6	Fugitive dust emission from all the sources shall be controlled regularly water spraying arrangement on haul roads, loading and unloading and at transfer points shall be provided and properly maintained.	Noted and agreed. The Mine is not in operation since Oct 2011 post expiry of forest clearance.
7	Measures shall be taken for control of noise level below 85 dBA in the work environment. Workers engaged in operations of HEMM etc shall be provided with ear plugs/muffs.	Noted and agreed. The Mine is not in operation since Oct 2011 post expiry of forest clearance.
8	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.	Not applicable as there was no industrial water, as there was no processing of ore was carried out, when mine was in operation. Mine is not in operation since Oct 2011 post expiry of forest clearance.
9	Personnel working in dusty areas shall wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects.	The Mine is not in operation since Oct 2011 post expiry of forest clearance
10	Occupational health surveillance program of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed	The health surveillance was carried out for all the employees and there was no case of any occupational health hazard when mine was operational. The Mine is not in operation since Oct 2011 post expiry of forest clearance
11	A separate environmental management cell with suitable qualified personnel shall be setup under the control of a Senior Executive, who will report directly to the Head of the organization.	The Mine is not in operation since Oct 2011 post expiry of forest clearance.
12	The funds earmarked for Environment protection shall be kept in separate account and should not be diverted for any other purpose.	The Mine is not in operation since Oct 2011 post expiry of forest clearance
13	The funds earmarked for environmental protection measures shall be kept in separate account and should be diverted for other purposes.	The Mine is not in operation since Oct 2011 post expiry of forest clearance.

14	The project authority shall 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.	Not applicable as the mine is not in operation since Oct 2011 post expiry of forest clearance.
15	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 being complied with.
16	A copy of clearance letter will be marked to concern Panchayat.	Complied
17	The project authority should advertise at least in two local news papers within 7 days of the issue of the clearance letter.	Complied