

ADITYA BIRLA



Registered Post

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

24/11/2018

**Subject: Revised Compliance Status of Environment Clearance conditions**

Dear Sir,

Attached please find the compliance condition of the Environment Clearance granted to our **Durgmanwadi Bauxite Mines** on 5<sup>th</sup> of February 2007 vide clearance No J-11015/239/2006-IA-II (M).

Please be informed that, since 17/03/2018, the mining activities at our Durgmanwadi Bauxite Mines have been stopped as per the directions and show cause notice dated 15th March 2018, bearing reference NO.Z-11013/3/2018-IA-II (M), issued by Ministry of Environment Forest & Climate Change. The same is enclosed for your ready reference.

We are herewith submitting the compliance against the conditions laid down in the Environment Clearance; for the 6 months duration (April'18 to September'18) along with the environment monitoring reports of Air, Water and Noise quality for the summer and monsoon season.

Please be informed that, we have already submitted the above compliance status of Environmental Clearance vide dated 16/10/2018, which is please be ignored and consider this corrected compliance.

Hope you will please find the above in order.

Thanking you,

Yours very truly,

Mainak Chakraborty  
Vice President – Mines

Encl. A/a

Copy to:

1. The Chief Conservator of Forests (Central)  
Ministry of Environment & Forests  
Regional office, BHOPAL.
2. The Member Secretary,  
Central Pollution Control Board,  
Parivesh Bhavan, East Arjun Nagar,  
DELHI - 110032
3. The Regional Officer  
Maharashtra Pollution Control Board  
Udyog Bhawan, KOLHAPUR.

Hindalco Industries Limited

Durgmanwadi Mines: PO Radhanagari - 416 212, Dist. Kolhapur, Maharashtra, T: +91 02321 202072, 202178, 133,  
Kolhapur Office: T:+91 0231 2661458, 2666621, 2021461, 2021462

Registered Office: Ahura Centre, 1<sup>st</sup> Floor, B-Wing, Mahakali Caves Road, Andheri (East), Mumbai - 400 093, India

T: +91 22 6691 7000 | Fax: +91 22 6691 7001 | E: hindalco@adityabirla.com | W: www.hindalco.com | Corporate ID No.: L27020MH1958PLC011238

**COMPLIANCE STATUS OF  
ENVIRONMENTAL CLEARANCE CONDITIONS  
Environment Clearance Durgmanwadi Bauxite Mines granted on 5<sup>th</sup> of  
February 2007 vide clearance No J-11015/239/2006-IA-II (M)**

Sr.No.	Conditions	Compliance
<b>Specific Conditions :-</b>		
i)	The mining activity to be restricted to private land only for which the conservation plan has been accepted by the State Government.	Mining activities were restricted to private land only when the mine was operational. Please be informed that, since 17/03/2018, the mining activities at our Durgmanwadi Bauxite Mines have been stopped as per the directions and show cause notice dated 15th March 2018.
ii)	Preparation of conservation plan for protection of endangered fauna reported in the study area.	Conservation Plan for protection of endangered species was submitted to MoEF at the time of grant of Environment clearance.
iii)	Top soil to be stacked properly with proper slope with adequate safeguards & backfilled for reclamation & rehabilitation of mined out area.	The top soil stacked initially in dumps was rehanded and used for mine restoration, when the mine was operational.
iv)	Overburden to be stacked at earmarked dump site(s) only at max height not more than 20 m and slopes not to exceed 28°. The OB dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface runoff.	All the overburden dumps were backfilled into the mined out voids, when the mine was operational.  The backfilled areas were scientifically vegetated through afforestation.
v)	External OB dumps and other wastes to be stacked at earmarked sites only.	There were no external dumps for overburden stacking.
vi)	Catch drains and siltation ponds of appropriate size to be constructed to arrest silt and sediment flows.	The run-off mine was channelised towards settling tanks and silt check dams. All the natural storm water flow was passed through silt check dams, when the mine was operational.
vii)	Drilling and blasting should not be involved.	No drilling & blasting was carried out when the mine was operational.
viii)	Plantation to be raised in an area of 121.50 ha. The density of trees should be around 2000 plants per ha.	The plantation was carried out every year as per plan. Till date 3,36,999 plants have been planted within & outside the lease area and at feeder road side. Restored about 155.91ha.

		During the year 2018-19, 25000 saplings and grass seeds have been planted to cover 12 Ha.
ix)	Implement suitable conservation measures to augment ground water resources in the area.	6 No. of water harvesting ponds were developed in the mined out area when the mine was operational.
x)	Regular monitoring of ground water level and quality shall be carried out by establishing a network of existing wells.	The ground water quality is monitored on quarterly basis through Moef approved third party.
xi)	Plan rainwater harvesting measures on long-term basis should be planned and implemented.	6 No. of water harvesting ponds were developed in the mined out area when the mine was operational.
xii)	<p>a) Vehicular emissions to be kept under Control.</p> <p>b) The vehicles should be covered with a tarpaulin and shall not be over loaded.</p> <p>c) Regular water sprinkling arrangements shall be made to control the fugitive dust generation from the haul roads.</p>	<p>There was a system to check the PUC certificates of hired trucks, when the mine was operational.</p> <p>Timely maintenance of all heavy equipments was carried out. All transport vehicles were covered with tarpaulin. The vehicles were weighed within the mines and all the vehicles were carrying bauxite as per RLW, when the mine was operational.</p> <p>Mobile water tankers were used to sprinkle water on haul roads, when the mine was operational.</p>
xiii)	Install sewage treatment plant for colony. ETP should be provided for workshop and waste generation from mining operation.	Not Applicable – There is no colony set up at the mines.
xiv)	A final Mine closer plan alongwith details of Corpus Fund should be submitted to the MoEF 5 years in advance of final mine closer for approval.	Please be informed that, since 17/03/2018, the mining activities in our Durgmanwadi Bauxite Mines has been stopped as per the directions and show cause notice dated 15th March 2018, bearing reference NO.Z-11013/3/2018-IA-II (M), issued by Ministry of Environment Forest & Climate Change. Final Mine closure plan will be submitted to concerned agency.
<b>B</b>	<b>General Conditions.</b>	
i)	No change in mining technology and scope of working without prior approval	There was no change in the mining technology and in the scope of working, when the mine was operational.
ii)	No change in calendar plan including excavation, quantum of mineral ore & waste	The production was restricted to the approved quantity, when the mine was operational.

iii)	Conservation measures for protection of flora & fauna in the core & buffer zone to be drawn	Mined out area were scientifically afforested. For this we procured soil, manure, vermi compost, bagasse and press-mud to improve the condition of plantation base. We had engaged experts to implement afforestation activity. Care had been taken to plant mostly local flora along with some exotic species.
iv)	Establish four ambient air quality monitoring stations in the core zone & buffer zone for RPM, SPM, SO <sub>2</sub> , NO <sub>x</sub> . Monitoring.	4 Nos. of Ambient air quality stations have been established in the core and as well as in buffer area.
v)	Regular submission of data on ambient air quality (RPM, SPM, SO <sub>2</sub> ,NO <sub>x</sub> )	The monitoring is carried out as per the schedule and Data is submitted regularly The Post monsoon and winter season reports are attached.
vi)	Regular control of fugitive dust emissions from all the sources	The dust in crushing operation was suppressed by atomized water sprinklers and during mining and transportation by mobile water tankers, when the mine was operational.
vii)	Take measures for control of noise levels below 85 dBA in the work environment	All the noise generating machineries were enclosed to suppress the noise during operation.  The noise level in the work environment was below 85dBA and all the workers engaged during operation of HEMM were provided with ear-plugs / muffs, when the mine was operational.
viii)	Proper collection, treatment of industrial waste water to conform the standards prescribed under GSR 422 (E) dt.19 <sup>th</sup> May, 1993	There was no industrial waste water, as there was no processing was carried out, when the mine was operational.
ix)	Provide adequate training and information on safety & health aspects & provide protective respiratory devices to workers	Regular training to employees on Safety and Health aspects was provided, when mine was in operation.  All the employees engaged in operations were provided with dusk masks & ear-plugs / muffs, when the mine was operational.
x)	Undertake periodical Occupational health surveillance program of workers	The heath surveillance was done once in a year for all employees and there were no cases of occupational health hazards, when the mine was operational.

xi)	Set-up separate environmental management cell with suitable qualified personnel.	A qualified person has been employed at the unit level. A full fledged Environment cell operates at the corporate level.																								
xii)	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.	Please be informed that, since 17/03/2018, the mining activities at our Durgmanwadi Bauxite Mines have been stopped as per the directions and show cause notice dated 15th March 2018.																								
xiii)	The funds earmarked for environmental protection measures shall be kept in separate account and should be diverted for other purposes.	<p>The separate funds have been allocated for implementation of environmental protection measures along with item-wise breakup such as furnished below. The expenditures are upto September 2018.</p> <table border="1"> <thead> <tr> <th>SO. NO.</th> <th>Shop Order Description</th> <th>Expenditure for the year 2017 -18 (Rs.) (Upto Sep-18)</th> </tr> </thead> <tbody> <tr> <td>1610 &amp; 1611</td> <td>Aftercare (watering)</td> <td>1,41,310.0</td> </tr> <tr> <td>1612</td> <td>Environment Monitoring</td> <td>1,87,500.0</td> </tr> <tr> <td>1613</td> <td>Dust suppression</td> <td>64,770.0</td> </tr> <tr> <td>1614</td> <td>Statutory Compliance</td> <td>19,743.0</td> </tr> <tr> <td>1615</td> <td>Environment Others</td> <td>1,63,351.0</td> </tr> <tr> <td>1616</td> <td>ISO – 14001 system</td> <td>0.0</td> </tr> <tr> <td>3019</td> <td>Mine restoration &amp; rehabilitation</td> <td>5,27,562.0</td> </tr> </tbody> </table>	SO. NO.	Shop Order Description	Expenditure for the year 2017 -18 (Rs.) (Upto Sep-18)	1610 & 1611	Aftercare (watering)	1,41,310.0	1612	Environment Monitoring	1,87,500.0	1613	Dust suppression	64,770.0	1614	Statutory Compliance	19,743.0	1615	Environment Others	1,63,351.0	1616	ISO – 14001 system	0.0	3019	Mine restoration & rehabilitation	5,27,562.0
SO. NO.	Shop Order Description	Expenditure for the year 2017 -18 (Rs.) (Upto Sep-18)																								
1610 & 1611	Aftercare (watering)	1,41,310.0																								
1612	Environment Monitoring	1,87,500.0																								
1613	Dust suppression	64,770.0																								
1614	Statutory Compliance	19,743.0																								
1615	Environment Others	1,63,351.0																								
1616	ISO – 14001 system	0.0																								
3019	Mine restoration & rehabilitation	5,27,562.0																								
xiv)	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.	Please be informed that, since 17/03/2018, the mining activities in our Durgmanwadi Bauxite Mines has been stopped as per the directions and show cause notice dated 15th March 2018, bearing reference N0.Z-11013/3/2018-IA-II (M), issued by Ministry of Environment Forest & Climate Change. Final Mine closure plan will be submitted to concerned agency.																								
xv)	The project authorities should extend full cooperation to the officer(s) of the Regional office by furnishing the requisite data/information / monitoring reports.	Requisite data / information / monitoring reports will be submitted as desired by the concerned authority.																								
xvi)	A copy of clearance letter will be marked to concern Panchayat.	A copy of clearance letter was marked to concern Panchayat.																								
xvii)	The project authority should advertise at least in two local news papers within 7 days of the issue of the clearance letter.	The advertisement was published in the local daily news papers "Tarun Bharat" & "Pudari" on 08/02/2007.																								