



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

26/05/2018

Subject:

Revised Compliance Status of Environment Clearance conditions

Dear Sir,

We have been granted Environment Clearance to our Dhangarwadi Bauxite Mines on 5th of February 2007 vide clearance No J-11015/406/2006-IA.II(M).

We are herewith submitting the compliance against the conditions laid down in the Environment Clearance; for the 6 months duration (October'17 to March'18) along with the environment monitoring reports of Air, Water and Noise quality for the post monsoon and winter seasons.

Please be informed that, we have already submitted the above compliance status of Environment Clearance vide our letter dated 14th May 2018 which is please be ignored and consider this corrected compliance.

Hope you will please find the above in order.

Thanking you,

Encl. A/a

Yours very truly,

Mainak Chakraborty Vice President – Mines

Copy to:

1. The Chief Conservator of Forests (Central)
Ministry of Environment & Forests

Regional office, BHOPAL.

 The Member Secretary, Central Pollution Control Board, Parivesh Bhavan, East Arjun Nagar, DELHI - 110032 पर्यावरण, वन एवं जलवायु यरिवर्तन मंत्रालय Ministry of Environment, Forest - Typate Change

क्षेत्रीय प्रश्नि**त्य (प्र**ेटार Regard - नेक्**ट (W**5 - 17

मृत्य विश्वति अपेत र Corretariat Building

सिविटा वार्चन्स/ Clark has

3. The Regional Officer

Maharashtra Pollution Control Board

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ENVIRONMENT CLEARANCE COMPLIANCE STATUS ENVIRONMENT CLEARANCE No. J-11015/406/2006-IA.II(M) dt. 13/04/2007 DHANGARWADI BAUXITE MINES

_Sr. No.	CONDITIONS	COMPLIANCE
	pecific Conditions :-	
i)	Top soil to be stacked properly with proper slope with adequate safeguards and to be backfilled for reclamation and rehabilitation of mined out area.	The top soil generated during overburden removal has been used for restoration.
ii)	Overburden shall be stacked at earmarked dump site(s) only and shall not be kept active for long period. The maximum height of the dump shall not exceed 30 m, each stage shall preferably be of 10 m and over all slope of the dump shall not exceed 28°. The mine pit area to be reclaimed by backfilling the OB in a phased manner. The OB dumps to be scientifically vegetated with suitable native species to prevent erosion and surface run off. Monitoring and management of rehabilitated areas to be continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment & Forests on six monthly basis.	Overburden dumps are stacked separately as per the guidelines and the same will be used for backfilling in mined out area. Plantation has been carried out on OB dumps with native shrub species namely Karvi to prevent erosion and surface runoff. Backfilling of mined out area is being done simultaneously and backfilled area has been scientifically vegetated with indigenous species. Compliance status is being submitted on six monthly.
iii)	Garland drains to be constructed to arrest silt and sediment flows from 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 and sump capacity shall 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 shall also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and desilted at regular	Garland drains have been provided to arrest the silt and sediment flows from the mine area. The flow from the settling tanks is then channelised through check dams. Drains and check dams are de-silted and maintained properly. The storm-water flowing through check dams is monitored and found within limit.

	intervals.			
iv)	Drilling and blasting shall be by using dust extractors/wet drilling.	Drilling and blasting is being carried out by using mist water jet (wet drilling).		
v)	Plantation to be raised in an area of 22.32 ha. including green belt of adequate width by planting the native species around the ML area, roads, OB	The lease area has natural green belt with indigenous species which is undisturbed and maintained.		
	dump sites etc. in consultation with the local DFO / Agriculture Department. The density of the trees should be around 2500 plants per ha.	On slope of the OB dump plantation of local species "Karvy" to control slope stability and soil erosion has been carried out with the help of expertise / Government agencies.		
		A nursery has been developed for indigenous and local species (around 2000) for plantation in mined out area at the mines.		
		The plantation is carried out every year as per plan. Till date 25,150 saplings have been planted & restored about 13.0 Ha area.		
		During the year 2017-18, 9,000 saplings have been planted to cover 5.0 Ha.		
vi)	Implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.	in the mined out areas as per the mine		
vii)	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.		
	and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year – pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the data thus collected may be sent regularly to MOEF, Central Ground Water Authority and Regional Director Central Ground Water Board.	The mining is carried out to a depth of 7 to 10 Mts from the surface. There is no interaction with the ground water and hence there is no disturbance to the ground water.		
viii)	Prior permission from the competent authority to be obtained for drawl of ground water, if any.	Noted		
ix)	Vehicular emissions to be kept under control and regularly monitored.	There is a system to check the PUC certificates of all hired trucks regularly.		

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	Measures to 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 over loaded.	Timely maintenance of all heavy equipments is carried out. All transport vehicles are covered with tarpaulin. The vehicles are weighed within the mines. All the vehicles are carrying bauxite as per RLW.		
x)	At the end of the mining, the void shall be used as water body for water conservation and recharging of the ground water.	At the end of the mining, the void will be used as water body for water conservation and recharging of the ground water.		
xi)	A Final Mine Closure Plan, alongwith details of Corpus Fund, should be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval.	Mine is still operational. Final Mine closure plan will be submitted to concerned agency in due course.		
B) Ge	neral Conditions :-			
İ.	No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment & Forests	technology and in the scope of working		
ii.	No change in the calendar plan including excavation, quantum of mineral bauxite & waste shall be made	The state of the s		
iii.	Conservation measures for protection of flora & fauna in the core & buffer zone shall be drawn up in consultation with the local forest and wildlife department.	Mined out area is scientifically afforested. For this we procure manure, vermi compost to improve the condition of plantation base. We had engaged experts to implement afforestation activity. Care has been taken to plant mostly local flora along with some exotic species.		
		The core area is fenced with parapet wall and the natural vegetation is protected.		
iv.	Four ambient air quality monitoring stations shall be established in the core zone & buffer zone for RPM, SPM, SO2, NOx 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 stations have been established in the core and buffer area.		

	v. Regular submission of data on ambier air quality (RPM, SPM, SO2,NOx) the Ministry including its Regional Office and the State Pollution Control Board once in six months.	o schedule and Data is submitted regularly.		
V	i. Regular control of fugitive dust emissions from all the sources. Wate spraying arrangement on haul roads loading and unloading and at transfe points shall be provided and properly maintained.	being used for dust suppression during mining and transportation.		
vii	Take measures for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, shall be provided with ear-plugs / muffs.	within the standard. All the workers		
viii.	Proper collection, treatment of industrial waste water to conform to the standards prescribed under GSR 422 (E) dt.19 th May, 1993 and 31 st December, 1993 or as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluents.	is no mineral processing is carried out.		
ix.	Provide adequate training and information on safety & health aspects & provide protective respiratory devices to personnel working in dusty areas	Regular training to employees on Safety and Health aspects is provided and all the workers engaged in operations are provided dust masks.		
X.	Undertake periodic Occupational health surveillance program of the workers to observe any contractions due to exposure to dust and take corrective measures, if needed.	The health surveillance is done once in a year for all employees and there are no cases of occupational health hazards.		
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.	Inform 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.	Complied in due course.		
xiii.	he kent in the leasures to	The separate funds have been allocated for implementation of environmental protection measures along with item-wise		

	be reported to the Ministry and its	expenditures are upto Mar-2018.			
	Regional Office.	SO. NO.	Shop Order Description	Expenditure for the year 2017-18 (Rs.)	
		1	Environment Monitoring	6,53,182.	
		2	Dust suppression	5,39,997.	
		3	Statutory Compliance	2,63,991.	
		4	Environment Others	1,57,236.	
		5	Mine restoration & rehabilitation	5,86,121.	
xiv.	Inform 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.				
XV.	The Regional Office of this Ministry located at Bhopal should monitor compliance of the stipulated conditions. The project authority should extend full co-operation to the officer(s) of the Regional Office by furnishing the requisite data / information / monitoring reports.	operation to the officer(s) of the Regional Office by furnishing the requisite data information / monitoring reports.			
xvi.	Copy of the clearance letter be marked to concerned Panchayat / local NGO, if any, from whom suggestion / representation has been received while processing the proposal.	Complied.			
xvii.	State Pollution Control Board to display a copy of the clearance letter at the Regional Office, District Industry Centre and Collector's office / Tehsildar's Office for 30 days.	Compli	ied.		

xviii. Advertise at least in two 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 http://envfor.nic.in and a copy of the same shall be forwarded to the Regional Office of this Ministry located at Bhopal.

local Complied.