



Ref. No: 233/AMTC/DFO/19-20

Dated: 11.06.2019

To

The Divisional Forest Officer,
Bonai Forest Division,
Bonai.

Sub: Submission of information on the implementation of Site Specific Wild Life Conservation Plan up to FY 2018-19 in respect of Mahulsukha Mn Ore Mines

Sir,

We are submitting herewith the information sheet on the implementation of Site Specific Wild Life Conservation Plan up to FY 2018-19 in respect of Mahulsukha Mn Ore Mines of M/s Aryan Mining & Trading Corporation Pvt. Ltd. for your kind perusal.

With regards,

For Aryan Mining & Trading Corporation Pvt. Ltd.

GM (Geology & Envnt.)

Copy to-

The Forest Range Officer, Barsuan Range for information.

PROFORMA

Sl. No.	Name of the Mines	Total ML area (in Ha.)	ML area Conservation Plan approved (in Ha.)	Work done so far (Year-wise)	Total cost approved (in ₹)	Cost approved by Agency (in ₹)	Remarks
1	2	3	4	5	6	7	10
1	Mahulsukha Mn. Ore Mine	399.838	399.838		28000000.00	28000000.00	

Total expenditure incurred by User Agency till date	Item of works approved for implementation by User Agency	Item of works (Within Project Area)	Work done so far (Year-wise)	Remarks
7	8	9	10	
Rs 79022.00 during FY 2018-19 with cumulative Rs 26,47,463.00	Plantation of indigenous species 30 ha in OB Dumps, reclaimed sites, benches, SZ and blanks@ Rs 50.00 lakhs per ha.	5433 nos re-plantation have been done within ML with cumulative 196604 nos of saplings over 65.24 ha area with survival 69.36%.		
Rs 17,86,000.00	Coir Geo textile over 6 Ha to stabilize steep dumps	9000 sq. m coir mating with native grass seedlings has been done on the slope of waste dumps after terracing up to FY 2018-19.		
Rs 62622.00 during FY 2018-19 with cumulative Rs 71302.00	Grass seeding over 30 Ha.	Grass seeding covering area 1.05Ha over OB dump-4 has been made.		
Rs 1,39,580.00	Contour trenches	Contour trenches have been made on OB dump-2 & OB dump-4.		

Rs 52,800.00/year	Van Sahayaks	We have paid the remuneration to Vana sahayaks and engaged vana sahayaks for the watch and ward.	
Rs 840000.00 during FY 2018-19 with cumulative Rs 20,80,000.00	Dust control	<ol style="list-style-type: none"> 1. Water sprinkling arrangement on haul road, processing yard, loading and unloading points through portable water tankers. 2. Plantation all along the lease boundary to control dust dispersion 3. Wet Drilling arrangement is in practice to control dust emission right at the source. 4. Covering of the transported trucks by Tarpaulin. 	
Rs 420088.00 during FY 2018-19 with cumulative Rs 58,04,152.00	Water pollution	<p>Surface Water quality survey is conducted in each month. Ground Water Quality & fluctuation studies are conducted quarterly.</p> <p>Majority of the surface runoff is channelized to in-pit setting cum percolation ponds.</p> <p>Surface runoff water is drained through retaining wall and garland drains, check dam. Proper settling is allowed for sedimentation before its discharge to nearby water course. No mine water is allowed to discharge directly to nearby water course.</p> <ol style="list-style-type: none"> 1. Retaining wall of 3652m has been constructed along the toe of waste dump. 2. De-silting of garland drain has been done for 450m with cumulative of 2245 m along the toe of the dumps/ processing area to channelize the surface run off. 3. Garland drains & Settling ponds are de-silted at regular intervals. 4. Coco filters have been installed across the settling ponds to arrest surface run off of fine particles and are being cleaned at regular intervals. 	

		5. Check dams and check weirs are made across the nala and out let of settling pond.	
Rs 25000.00	Garbage disposal	Garbage is collected in suitable containers/ barrels and being disposed to authorized recycler.	
Rs 1,40,000.00/month	Disturbance control due to traffic	Movement of transport vehicles are regulated by security personnel engaged at mine entry gate and maintain a minimum distance or time lag between successive trippers. The vehicles allowed moving with speed limit within 20km/hour.	
Rs 6,26,000.00	Noise/light pollution control	Noise control measures are being taken by maintenance of equipments, HEMM at regular intervals. Controlled blasting is being adopted. Light pollution is not applicable as the mine is operated only in day time.	
	Fire watchers	A sum of Rs 280 lakhs has been deposited to DFO, Bonai to execute the works in the project area and project impact area by the Forest Department. In addition, the project has implemented the followings within the ML area-	
Rs 280,00,000.00 deposited to Forest Dept	Solar powered fencing to be done around mining pits to save straying wild animals and not to obstruct wildlife corridors existing in the mining lease	i. Engaged fire watchers to prevent forest fire during summer months.	
	Habitat improvement including creation of water bodies/ Bird birth of HDPE sheet & maintenance and refilling during pinch period in summer with artificial water filling and plantation of the gaps in forest area with fruit, fodder and cover species for both avi-fauna and other wildlife in the area as the	ii. 1535m solar fencing has been made around non working Quarries- Q-1 & 3 to save straying wild animals without obstructing wildlife movement.	
		iii. Distribution of fruit bearing saplings amongst local villagers.	

	<p>user agency is having huge forest area with unutilized land of more than 100 ha.</p> <p>Soil and moisture conservation measures in the lease hold area to avoid silting up of nalas and to revive two nalas originating from the ML area</p> <p>Livelihood activities promotion, training, supplying of various kits/machines/equipments/self-help groups formation/micro credit seed money etc.</p> <p>Distribution of seedlings under farm forestry to local villagers to augment fruit, fodder and fuel wood sources in the area</p> <p>Unforeseen & miscellaneous</p>		
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For Aryan Mining & Trading Corporation Pvt Ltd

G.M (Geology & Env't.)

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11/6/2019