

MCDR INSPECTION REPORT

General

S. N.	Particulars	Details
1	Name of the Mine	Dandguri Khujare Bauxite Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	71.42Ha Forest: NIL ; Patta Land: 71.420Ha
3	Mine code	07MSH12003
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/778/2011
5	Name of the lessee, Address, phone, email and fax number	M/s Bhartesh Construction Company Shop No. 34, Corporation Complex, Goaves, Hindwadi, Belagavi – 590011
6	Village	Dandguri – Khujare
7	Taluka/Mandal	Shriwardhan
8	District	Raigad,
9	Pin code	402110
10	State	Maharashtra
11	Post office	Shriwardhan
12	Nearest police station	Dighi Sagari Police Station, Borli
13	Nearest Railway station	Mangaon
14	Date of Grant of Mining Lease	03/06/2000
15	Date of Execution	05/02/2002
16	Date of opening of Mine	16/08/2002
17	Date of first Renewal, if applicable and its period & expiry	N/A
18	Date of second Renewal, if applicable and its period & expiry	N/A
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	N/A
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	N/A
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Rajnikant Pajwani JeevanUdyog Building, 3rd Floor, 278, D.N Road, Fort, Mumbai – 4000 001 Date of appointment: 15/03/2016
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	--
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	--
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	--
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining Plan – 15/03/2001 Modified Mining Plan – 02/11/2006
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	23/03/2016
27	Mineral(s) granted in lease and proved for mining	Bauxite
28	Method of Mining(Open cast, Underground)	Open cast
29	Category (Fully Mechanized, Others or Manual)	Category A (Mechanized Mine)

30	Captive/Non Captive	Non Captive
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Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. (Duplication of information in existing TMIS data sheets and draft write up has been avoided.)

Exploration

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	18 Nos	3Nos	9 Nos. of Boreholes are drilled and submitted to IBM.
1b	Exploration over lease area for Geological axis 1 or 2.	1& 2	1& 2	Part of the area is under G-1 and part is in G-2 category. There is some part that is still un-explored but exploration is difficult in those areas due to steep slopes and valley.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	In House Exploration Expenses: 0.25 lakh	In House Exploration Expenses: 0.25 lakh	Exploration has been done in form of 9 bore holes. Form-J and K have been submitted in this office and the bore holes were verified at the time of inspection.
1d	Balance area to be explored to bring Geological axis in 1 or 2	56.57	56.57	Balance area will be explored in 2016-17
1e	Balance reserves as on 01.04.2016	Proved: 2,59,459 Probable: 1,32,250 Possible: 68,70,885	Proved: 2,59,459 Probable: 1,32,250 Possible: 68,70,885	
1f	General remarks of inspecting officer on geology, exploration etc.			Compliance of provisions of MCDR'1988 w. r. t. violation issued for exploration has been done by the lessee.

Development

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	NNE	Nil	No mining Activity
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No top soil	Nil	
2c	Stripping ratio or ore to OB ratio	1:0.12	Nil	No Mining activity
2d	Quantity of topsoil generation in m3	Nil	Nil	

2e	Quantity of overburden generation in m3	14849 (Intercalated Waste)		No Overburden Generated.
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.			No mining Activity

Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	2 pits	2 Pits	
3b	Quantity of ROM mineral production proposed	1,48,486 T	Nil	No Mining Activity
3c	Recovery of salable/usable mineral from ROM production	1,18,788 T	Nil	
3d	Quantity of mineral reject generation	14,849 T	Nil	
3e	Grade of mineral reject generation and threshold value declared	< 32		
3f	Quantity of sub-grade mineral generation	14,849 T		
3g	Grade of sub-grade mineral generation			
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized		
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	nil	Nil	
3j	Provision of drilling & blasting in mineral benches	Drilling & blasting using 115mm dia hole using slurry & ANFO in conjunction with delay detonators.	Nil	No Mining Activity
3k	Provision of mining machineries in mineral benches			
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	4	4	
3m	Total area covered under excavation/pits			
3n	Ore to OB ratio for the pit/mine during the year	1:0.12		
3o	Total area put in use under different heads at the end of year			
3p	Production of ROM mineral during last five-year period, as applicable	2010-11: 1,17,000 T 2011-12: 1,20,000 T 2012-13: Nil 2013-14: Nil 2014-15: Nil	2011-12 : 113000 T, 2012-13 : 85000 T, 2013-14 : 5500 MT, 2014-15 : Nil, 2015-16 : Nil	Due to non-submission of SOM for 2012-13 to 2016-17, violation of Rules 12(3) and 13(1) issued.
3q	General remarks of inspecting officer on method of mining etc.			

Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)			There is no top soil in the area. Further, overburden/waste generated is backfilled as

				soon as the pit is exhausted.
4b	Location of topsoil, OB & mineral reject dumps			NA
4c	Number of dumps within lease area and outside lease area			NA
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)			Nil
4e	Number of active & alive dumps	nil	Nil	Pits are backfilled. With intercalated waste.
4f	Number of dead dumps	nil	Nil	NA
4g	Number of dumps stabilized			NA
4h	Whether Retaining wall or garland drain all along dumps are there			Retaining wall and garland drains are made in the slopes of hillocks.
4i	Length of Retaining wall or garland drain all along dump			NA
4j	Number of settling ponds			Nil
4k	Specific comments of inspecting officer on waste dump management			Backfilling was being practiced when mine was in operation; as is usual in case of Bauxite mining.

Solid Waste Management-Backfilling

SN	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling			After full extraction, backfilling is started.
5b	Area under backfilling of mined out area	0.17 ha	0.45 ha	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No top Soil	NA	
5d	Total area fully reclaimed & rehabilitated	0.17 ha	0.45 ha	The area already mined out has been backfilled and plantation has been done on the same.
5e	General remarks of inspecting officer on backfilling, reclamation etc			The proposals are being followed but the mine is under suspension since long.

Progressive Mine Closure Plan

SN	Item	Proposals	Actual work	Remarks
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SN	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2). Details should be given in the format as given in Annexure-20.			No.
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	0.17 ha	0.45 ha	Out of available 0.45 ha area, complete area has been reclaimed and rehabilitated by backfilling and plantation. Mine is under suspension so no plantation has been carried out during this year but cumulative plantation is in the range of 500 plants. Security is appointed for watch and care and per year maintenance cost is around 1 lakh rupees.
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means			NA
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation			NA
6e	Compliance of Environmental monitoring (core zone & buffer zone)			Air, Noise & water are being analyzed in core and buffer zone. There are 10 stations for each parameter where the same are being analyzed.
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations			Mine is in non-working condition. PMCP in form of backfilling, plantation, environment monitoring has been followed.

Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade-wise Dispatch	Grade-wise Dispatch	Grade-wise sorting was being done within the lease area.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	Manual (when in operation)
7c	Different grade of mineral sorted out at mines			NA
7d	Any beneficiation process at mines	Crushing and Screening	NA	Crushing and Screening (when in operation)
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues			No comment as the mine was not in operation.

Environment

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Top Soil is Available		NA
8b	Concurrent use or storage of topsoil			
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)			Temporary dumps were being formed nearby the site of excavation and after mining out the mineral, waste was being backfilled.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes, Backfilling.	Yes	Yes
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Backfilling of pits	Backfilling of pits	Backfilling of pits has been practiced. 0.45 ha land has been reclaimed and rehabilitated.
8f	Baseline information on existence of plantation & additional plantation	Medium dense plantation on slopes and valleys, some plantation on plateau. Additionally around 1000 saplings shall be planted every year.	Around 500 plants are surviving in the area.	Area has plantation in form of plants usually occur in coastal region.
8g	Survival rate	100%	10%	Survival rate needs to be enhanced.
8h	Water sprinkling on roads to control airborne dust			No comment as the mine was

				not in operation.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Plantation was seen in form of Cashew and some other regional species. No environmental damage was observed due to mining.

Compliance of Rule 45

SN	Item	Comments	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted upto April-2016 A.R. submitted upto 2014-15	Compliance of rule 45 was observed.

SN	Item	Details given in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Nil	Nil	No Mining Engineer or Geologist presently appointed due to non-working since 23.01.2014 (order of suspension). Shri A. K. Singh was appointed as Mining Engineer for the period FY 2012-13.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Abandoned area was mentioned in the returns as 6.50 ha	No such abandoned area was observed. Violation under Rule 45 of MCDR'1988 issued	Compliance done on 15/02/2016 by submission of revised returns
9d	Scrutiny of Annual return on afforestation	0.45 ha acclaimed afforested area		Afforestation done and the area was seen during site inspection
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	NA	NA	No mining Activity.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	11512.32 T of ROM 16884.13 T of Graded Ore	11512.32 T of ROM 16884.13 T of Graded Ore	ROM stock seen during site inspection

9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	NIL	NIL	No mining Activity.
9i	Scrutiny of Annual return on fixed assets	NA	NA	It's common to more than one mine.
9k	Scrutiny of Annual return on mining machineries	NA	NA	No mining activity

Details of violations observed during current inspection and compliance position of earlier violation pointed out:-

Earlier upon inspection on 19/01/2016 and based on office records, violation of rules 12(3), 13(1), 23(F) 3, 42 & 45 (7) were observed. Compliance of 12(3), 13(1) & 23(F)3 have been done on 22/03/2016 as SOM submitted in this office alongwith the Financial Assurance and was approved on the said date. Compliance of Rule 45 (7) furnished on 15/02/2016 by submission of revised returns. Compliance of rule 42 shall be furnished alongwith the revocation of suspension issued on 23/01/2014. Further, in compliance to the violation of rule 13(1) of MCDR'1988, exploration work has been done on 26/04/2016 and Form J & K have been submitted to this office. This exploration has been verified in the field by the undersigned.

Presently no violation is observed or pointed out during inspection of the site done on 17/05/2016.

(Name of inspecting officer with designation and date)