

MCDR INSPECTION REPORT

General

S. N.	Particulars	Details
1	Name of the Mine	Moolvelas Harvit Kudgaon Bauxite Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	50.21 Ha Forest: NIL ; Non Forest Patta land: 50.21Ha
3	Mine code	07MSH12005
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	Moolvelas - Harvit – Kudgaon
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	02/01/2001
15	Date of Execution	31/12/2002
16	Date of opening of Mine	01/04/2003
17	Date of first Renewal, if applicable and its period & expiry	Nil
18	Date of second Renewal, if applicable and its period & expiry	Nil
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Nil
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Rajnikant Pajwani JeevanUdyog Building, 3 rd 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 – 25/07/2002 Modified Mining Plan – 30/10/2006
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

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.	3 Nos.	8 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	Balance area will be explored in 2016-17
1d	Balance area to be explored to bring Geological axis in 1 or 2	23.84	23.84	
1e	Balance reserves as on 01.04.2016	Proved: 2,90,740 Probable: 2,02,836 Possible: 38,82,300	Proved: 2,90,740 Probable: 2,02,836 Possible: 38,82,300	
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	South West of Lease	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	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	12513 T	Nil	
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		No Mining Activity
3b	Quantity of ROM mineral production proposed	125127.5 T		
3c	Recovery of salable/usable mineral from ROM production	100102 T		
3d	Quantity of mineral reject generation	12513 T		
3e	Grade of mineral reject generation and threshold value declared			
3f	Quantity of sub-grade mineral generation	Nil		
3g	Grade of sub-grade mineral generation			
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized Method		
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject			
3j	Provision of drilling & blasting in mineral benches	Drilling & blasting using 115mm dia hole using slurry & ANFO in conjunction with delay detonators.		
3k	Provision of mining machineries in mineral benches	Yes		
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	5 meter	5	
3m	Total area covered under excavation/pits	4.465 Ha	Nil	
3n	Ore to OB ratio for the pit/mine during the year	1:0.12	Nil	
3o	Total area put in use under different heads at the end of year	WasteDump:0.037Ha Infrastructure:0.60Ha Plantation: 0.45 Ha.		
3p	Production of ROM mineral during last five-year period, as applicable	2011-12 : 90960 T, 2012-13 : 100080 T 2013-14 : Nil, 2014-15 : Nil, 2015-16 : Nil	2011-12 : 64400 MT, 2012-13 : 20600 MT, 2013-14 : 38000 MT, 2014-15 : Nil, 2015-16 : Nil	Due to non-submission of SOM for 2013-14 to 2017-18, violation of Rules 12(3) and 13(1) issued.
3q	General remarks of inspecting officer on method of mining etc.			No Mining Activity

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			
4c	Number of dumps within lease area and outside lease area	Nil	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	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			Around 250 m of garland drain observed during inspection
4j	Number of settling ponds			One settling pond seen with 5-6 check dams.
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. Further as the area is nearer to sea, settling pond and check dams are there to avoid any degradation to fauna.

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	0.22Ha	0.22 ha	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule	No top soil available	NA	

	32)			
5d	Total area fully reclaimed & rehabilitated	0.315 ha	0.315 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
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.			
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	0.315 ha area under plantation for 4500 saplings	0.315 ha area and saplings observed were less.	Out of available 0.315 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 450 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			NA

SN	Item	Proposals	Actual work	Remarks
	land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation			
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 sorting within lease area	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	Mechanical	Manual	Manual (when in operation)
7c	Different grade of mineral sorted out at mines	Yes		NA
7d	Any beneficiation process at mines	No	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)	Yes		NA
8b	Concurrent use or storage of topsoil	Yes		
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes		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		Yes
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc.)	Yes		Backfilling of pits has been practiced. 0.315 ha land has been reclaimed and rehabilitated.
8f	Baseline information on existence of plantation & additional plantation	Yes		Area has plantation in form of plants usually occur in coastal region.
8g	Survival rate	40%		Survival rate needs to be enhanced.
8h	Water sprinkling on roads to control airborne dust	Yes		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 up to April-2016 A.R. submitted up to 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			No Mining Engineer or Geologist presently appointed due to non-working since 27.09.2013 (order of suspension). Shri Pravin Kumar Pandey 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	0.315 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	9866.11 T of ROM 873.05 T of Graded Ore	9866.11 T of ROM 873.05 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 27/09/2013. 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)