

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

MCDR INSPECTION REPORT

Nagpur regional office

Mine file No : MAH/RGH/BX-12/NGP

Mine code : 07MSH12003

- (i) Name of the Inspecting : **M017**) **ASHISH MISHRA**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri Datta Bhavakar, Group Agent
Official with
Designation
- (iv) Date of Inspection : 29/12/2017
- (v) Prev.inspection date : 17/05/2016

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **DANDGURI - KHURJANE(140.2**
- (b) **Registration NO.** : **IBM/778/2011**
- (c) **Category** : **B Manual**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State** : **MAHARASHTRA**
- District** : **RAIGAD**
- Village** : **DANDGURI - KHURJANE**
- Taluka** : **SHRIWARDHAN**
- Post office** : **BORLI**
- Pin Code** : **402110**
- FAX No.** :
- E-mail** :
- Phone** :
- (f) **Police Station** :
- (g) **First opening date** : **16/08/2002**
- (h) **Weekly day of rest** : **SUN**
2. **Address for** :
correspondance
3. (a) **Lease Number** : **MSH0300**
- (b) **Lease area** : **44.33**
- (c) **Period of lease** : **30**
- (d) **Date of Expiry** : **06/04/2033**
4. **Mineral worked** : **BAUXITE** **Main**

5. Name and Address of the

Lessee : M/S BHARTESH CONSTRUCTION COMPANY
 Prop. Shri S.T. Kuduchwad
 Shop No. 34, Corporation
 Complex, Hindwadi, Belgaum
 BELGAUM KARNATAKA
 Phone:
 FAX :

Mining Engineer

Name : KUMAR RAJAN, Part Time
 Qualification : B TECH(MINING)
 Appointment/ : 01/04/2003
 Termination date

Mining Engineer

Name : PRAVIN KUMAR PANDEY, Full Time
 Qualification : DIPLOMA IN MINING AND MINE SURVEYING
 Appointment/ : 01/07/2004
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	15/03/2001
Plan/Scheme of Mining		Modif.of approved Mining Plan	02/11/2006
		Mining Scheme rule 12 MCDR1988	07/05/2009
		Mining Scheme rule 12 MCDR1988	22/03/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	18	12 boreholes including 9 drilled in 2016-17	There was no mining activity in the area as the lease has been lapsed by the state govt for non-working for more than two years.
1b	Exploration over lease area for geological axis 1 or 2	G1 & G2	G1 & G2	Part of the area is under G-1 and part is in G-2 category. There is some part that is still unexplored but exploration is difficult in those areas due to steep slopes and valley.
1c	Exploration Agencies and 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 ha	56.57 ha	
1e	Balance reserve as on 01/04/20		111: 259459 T 121 & 122: 132250 T 211: 21450 T 221 & 222: 4860 T 333: 6844575 T Total: 7262594 T	

1f	General remarks of inspecting officers on geology, exploration etc	Compliance of provisions of MCDR'1988 w. r. t. violation issued for exploration has been done by the lessee by drilling 9 boreholes in 2016-17. The lease needs detailed exploration as major area is still unexplored. Presently the lease is lapsed.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	North and North East side of the Lease Area	Nil	No mining activity, Area is lapsed
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No Top soil available	Nil	No mining activity, Area is lapsed
2c	Stripping ratio or ore to OB ratio	1:0.12	Nil	
2d	Quantity of topsoil generation in m3	No top soil available in the area	Nil	
2e	Quantity of overburden generation in m3	14849 T (Intercalated Waste)	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			There was no mining activity in the area as the lease has been lapsed by the state govt for non-working for more than two years.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	2 pits	Nil	2 old pits are available in the area.
3b	Quantity of ROM mineral production proposed	148486 T	Nil	
3c	Recovery of sailable/usable mineral from ROM production	90% i.e. 118788 T	Not applicable as no working	
3d	Quantity of mineral reject generation	10% of the ROM i.e. 14849 T	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	15-30% Al2O3	Nil	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	Not applicable as no sub-grade generation	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanical	Nil	Mechanical crushing and screening was practised when mine was in operation.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No	Nil	
3j	Provision of drilling and blasting in mineral benches	Yes, Drilling & blasting using 115mm diameter hole using slurry & ANFO in conjunction with delay detonators	Nil	
3k	Provision of mining machineries in mineral benches	Yes	Nil	

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	4 m bench height was proposed for working	Nil	
3m	Total area covered under excavation/pits	8.45 ha	8.45 ha area is covered with old working pits	
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		Area under: Pits/Excavation: 8.45 ha Infrastructure: 0.1 ha Plantation: 0.45 ha	
3p	Production of ROM mineral during the 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 T, 2014-15 : Nil, 2015-16 : Nil	
3q	General remarks of inspecting officers on method of mining etc.			There was no mining activity in the area as the lease has been lapsed by the state govt for non-working for more than two years.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Not applicable	NA	There is no top soil in the area. Further, overburden/waste generated was proposed to be backfilled as soon as the pit is exhausted.
4b	Location of topsoil, OB and mineral reject dumps	Not applicable	NA	

4c	Number of dumps within lease area and outside of lease area	Nil	Nil	Temporary dumps were created besides the pits for backfilling. Presently no dump is available.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not applicable	Nil	
4e	Number of active and alive dumps.	Nil	Nil	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Not applicable	Not applicable	
4h	Whether Retaining wall or garland drain all along dumps are there.	Not applicable	Not applicable	
4i	Length of Retaining wall or garland drain all along dumps	Not applicable	Not applicable	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management			There was no mining activity in the area as the lease has been lapsed by the state govt for non-working for more than two years.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	After full extraction of pits, simultaneous backfilling of pits with waste.	Nil	
5b	Area under backfilling of mined out area	0.17 ha	0.45 ha	

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No top soil available in the area	Not applicable	
5d	Total area fully reclaimed and rehabilitated	0.17 ha	0.45 ha	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			There was no mining activity in the area as the lease has been lapsed by the state govt for non-working for more than two years.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	No	Not submitted	There was no mining activity in the area as the lease has been lapsed by the state govt for non-working for more than two years.
6b	Area available for rehabilitation (ha) .	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 lapsed so no plantation has been carried out 2016-17 onwards but cumulative plantation is in the range of 500 plants.
6c	afforestation done (ha).	0.17 ha	0.45 ha	
6d	No. of saplings planted during the year	Nil	Nil	
6e	Cumulative no .of plants	Not available	around 400-500 saplings	

6f	Any other method of rehabilitation	No	Nil
6g	Cost incurred on watch and care during the year	No proposals	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D	0.17 ha	0.45 ha
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	0.17 ha	0.45 ha
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	0.17 ha	0.45 ha
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No such proposals	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposals	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposals	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Nil	Nil

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposals	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	No proposals	Nil	As per the records, while working, Air, Noise & water were being analyzed in core and buffer zone. There were 10 stations for each parameter where the same were being analyzed.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			There was no mining activity in the area as the lease has been lapsed by the state govt for non-working for more than two years.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade-wise sorting and dispatch	Nil	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical crushing and screening	Nil	At the time of working, Mechanical crushing and screening was being practised as per the records.
7c	Different grade of mineral sorted out at mines.	Cement grade Bauxite	Nil	Cement grade Bauxite is available in the area.
7d	Any beneficiation process at mines	No	Nil	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	There was no mining activity in the area as the lease has been lapsed by the state govt for non-working for more than two years.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No top soil available in the area	Nil	
8b	Concurrent use or storage of topsoil	Not applicable		
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not applicable	Nil	Temporary dumps were being formed nearby the site of excavation and after mining out the mineral, waste was being backfilled into the pits.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes	Nil	0.45 ha area has been backfilled earlier.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes	Nil	0.45 ha area has been backfilled earlier.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Given in the Mining Plan	Given in the Mining Plan	

8g	Survival rate		10-20%	Survival is low due to scarcity of fresh water and top soil in the area.
8h	Water sprinkling on roads to control airborne dust	Yes	Nil	
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 specific environmental damage was observed due to mining.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		No online return submitted Offline returns submitted upto 2015-16	There was no mining activity in the area as the lease has been lapsed by the state govt for non-working for more than two years.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Nil	Nil	There was no mining activity in the area as the lease has been lapsed by the state govt for non-working for more than two years.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Nil	Nil	There was no mining activity in the area as the lease has been lapsed by the state govt for non-working for more than two years.

9d	Scrutiny of Annual return on afforestation	Nil	Nil	There was no mining activity in the area as the lease has been lapsed by the state govt for non-working for more than two years.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	There was no mining activity in the area as the lease has been lapsed by the state govt for non-working for more than two years.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Nil As per Annual Return submitted for 2015-16: ROM: Opening and Closing Stock- 11512.32 T Graded ore: Opening and Closing Stock- 16884.13 T (Cement Grade)	There was no mining activity in the area as the lease has been lapsed by the state govt for non-working for more than two years.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil	Nil	There was no mining activity in the area as the lease has been lapsed by the state govt for non-working for more than two years.
9h	Scrutiny of Annual return on fixed assets	Nil	Nil	There was no mining activity in the area as the lease has been lapsed by the state govt for non-working for more than two years.
9k	Scrutiny of Annual return on mining machineries	Nil	Nil	There was no mining activity in the area as the lease has been lapsed by the state govt for non-working for more than two years.

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

Violation observed		Show couse position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on

Date :

(ASHISH MISHRA)

Indian Bureau of Mines