

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

MCDR inspection REPORT

Goa regional office

Mine file No : KNT/BJP/LST-103/GOA

Mine code : 38KAR26085

- (i) Name of the Inspecting : **SP01**) **SURESH PRASAD**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : **SHRI. SURESH B.KATTI, LESSEE'S SON**
Official with
Designation
- (iv) Date of Inspection : 08/03/2018
- (v) Prev.inspection date : 25/05/2017

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **HEBBAL MINE (ML NO. 2656)**
- (b) **Registration NO.** : **IBM/6733/2011**
- (c) **Category** : **A Other Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **KARNATAKA**
- District : **BAGALKOT**
- Village : **HEBBAL**
- Taluka : **MUDHOL**
- Post office :
- Pin Code :
- FAX No. : **08350-240545**
- E-mail : **sandeepmineralslkip@gmail.co**
- Phone : **08350-240545**
- (f) **Police Station** : **Lokapur**
- (g) **First opening date** : **25/04/2011**
- (h) **Weekly day of rest** : **TUE**
2. **Address for** : **BHIMAPPA DUNDAPPA KATTI,**
correspondance **KADARAKOPPA ROAD, LOKAPUR**
MUDHOL-587122
3. (a) **Lease Number** : **KAR1666**
- (b) **Lease area** : **4.85**
- (c) **Period of lease** : **20**
- (d) **Date of Expiry** : **04/01/2031**
4. **Mineral worked** : **DOLOMITE** **Associated**
LIMESTONE **Main**

5. Name and Address of the

Lessee : B. D. KATTI
P.O. LOKAPUR TALUKA-MUDHOL,
BAGALKOT KARNATAKA
Phone:
FAX :

Owner : BHIMAPPA DUNDAPPA KATTI
KADARAKOPPA ROAD, LOKAPUR
MUDHOL BAGALKOT KARNATAKA
Phone: 08350-240545
FAX : 08350-240545

Mining Engineer

Name : CHANNAPPA MALI, Full Time
Qualification : DIPLOMA MINING
Appointment/ : 15/07/2014
Termination date

Manager

Name : Shri Shiv kumar Basutkar
Qualification : Mine mate & permit manager holder
Appointment/ : 01/12/2011
Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	14/06/2010
Plan/Scheme of Mining	:	Modif.of approved Mining Plan	15/10/2013
	:	Mining Scheme rule 12 MCDR1988	08/08/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	
1b	Exploration over lease area for geological axis 1 or 2	NIL	NIL	NO EXPLORATION PROPOSED IN THE AY
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NIL	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	
1e	Balance reserve as on 01/04/20	0.665 M.T.	0.600 MT	
1f	General remarks of inspecting officers on geology, exploration etc			SATISFACTORY

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	E 534747-534772 N 1789886-1789958	As proposed	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	yes	available	
2c	Stripping ratio or ore to OB ratio	1:0.10	1:0.08	
2d	Quantity of topsoil generation in m3	nil	1500	Not proposed top soil
2e	Quantity of overburden generation in m3	2890	1500	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	satisfactory. No top soil proposed in approved SOM. However if encountered same is being used for plantation/green belt dev.
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Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	one	one	
3b	Quantity of ROM mineral production proposed	Limestone-65000T, Dolomite-35000T	Limestone-64800T	
3c	Recovery of saleable/usable mineral from ROM production	90%	95%	
3d	Quantity of mineral reject generation	nil	nil	
3e	Grade of mineral rejects generation and threshold value declared.	nil	nil	THV-35% CaO
3f	Quantity of sub grade mineral generation.	nil	nil	
3g	Grade of sub grade mineral generation	nil	nil	
3h	Manual / Mechanised method adopted for segregating from ROM	manual	manual	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	nil	nil	
3j	Provision of drilling and blasting in mineral benches	Yes. Jackhammer	yes drilling	

3k	Provision of mining machineries in mineral benches	yes	yes	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes	available.	Advice to maintain the benches as per proposed SOM.
3m	Total area covered under excavation/pits	0.998ha	0.9042 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.10	1:0.055	
3o	Total area put in use under different heads at the end of year		1.218ha	
3p	Production of ROM mineral during the last five year period as applicable	2012-13 to 2016-17- Limestone- 267000 T Dolomite- 148000T	2012-13 to 2016-17- Limestone-150651 T Dolomite- 6558T	
3q	General remarks of inspecting officers on method of mining etc.			satisfactory.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	no prop[osal	Nil	No top soil and MR generation proposed.
4b	Location of topsoil, OB and mineral reject dumps	na	nil	
4c	Number of dumps within lease area and outside of lease area	nil	nil	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	na	na	Not available
4e	Number of active and alive dumps.	nil	nil	
4f	Number of dead dumps.	nil	nil	
4g	Number of dumps established.	nil	nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	na	nil	Safety barriers provided along the mines pit.
4i	Length of Retaining wall or garland drain all along dumps	nil	nil	
4j	Number of settling ponds		nil	
4k	Specific comments of inspecting officer on waste dump management			waste generation is very less and used for safety berm preparation and green belt dev.

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.	NIL	Nil	
5b	Area under backfilling of mined out area	nil	nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	nil	nil	
5d	Total area fully reclaimed and rehabilitated	nil	nil	

5e General remarks of inspecting officers on backfilling and reclamation etc. No backfilling proposed.

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	Advice to submit the same.Violation Pointed out for the same.
6b	Area available for rehabilitation (ha) .	nil	nil	
6c	afforestation done (ha).	0.187 ha	0.187 ha	
6d	No. of saplings planted during the year	50nos	50nos	
6e	Cumulative no .of plants	300	300 nos.	
6f	Any other method of rehabilitation	nil	nil	
6g	Cost incurred on watch and care during the year		5000 Rs.	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	nil	nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	nil	nil	

6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	nil	nil	No R&R by backfilling
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	nil	nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	nil	nil	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	nil	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	NA	Nil	Not proposed
6p	Compliance of environmental monitoring (core zone and buffer zone)	yes	provided	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			No reclamation and Rehabilitation work proposed. However, planation for green belt development carried out as proposed.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM despatch	ROM despatch	Only manual sorting for size reduction.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	manual sorting for size reduction.	manual sorting for size reduction.	
7c	Different grade of mineral sorted out at mines.	nil	nil	
7d	Any beneficiation process at mines	nil	nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			manual sorting for size reduction undertaken.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	nil	nil	Not proposed top soil, However advice to used for plantation if generated while opn.
8b	Concurrent use or storage of topsoil	nil	nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)			Not proposed top soil, However advice to used for plantation if generated while opn
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NIL	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	nil	nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	yes	yes	300 planatation cumm. done.
8g	Survival rate		70%	
8h	Water sprinkling on roads to control airborne dust	yes	yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Not proposed top soil handling., However advice to used for plantation if generated while opn. Plantation undertaken for green belt dev as proposed.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	yes	yes	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	Given in the A R. However not available while inspection.	Given in the A R. However not available while inspection. Violation issued.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		given	

9d	Scrutiny of Annual return on afforestation	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	given
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	provided
9h	Scrutiny of Annual return on fixed assets	provided
9k	Scrutiny of Annual return on mining machineries	provided

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

Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(2)	22/03/2018			
MCDR17	Rule 26(2)	22/03/2018			
MCDR17	Rule 27(2)	22/03/2018			
MCDR17	Rule 55(1)(3)	22/03/2018			

Date :

(SURESH PRASAD)

Indian Bureau of Mines