

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

Review and updation of Mining Plan REPORT

Goa regional office

Mine file No : KNT/BJP/LST-79/GOA

Mine code : 38KAR26060

- (i) Name of the Inspecting : P01) PREM PRAKASH
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : SHRI. PRAKASH SABARAD, LESSEE'S REPRESENTATIVE
Official with
Designation
- (iv) Date of Inspection : 10-DEC-20
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **HEBBAL (ML NO. 2493)**
- (b) **Registration NO.** : **IBM/5676/2011**
- (c) **Category** : **A Other than Fully Mech.**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : KARNATAKA
- District : BAGALKOT
- Village : HEBBAL
- Taluka : MUDHOL
- Post office :
- Pin Code :
- FAX No. : NA
- E-mail : minerals.ganga578@gmail.com
- Phone : 9449579690
- (f) **Police Station** : **Lokapur**
- (g) **First opening date** : **06-DEC-06**
- (h) **Weekly day of rest** : **TUE**
2. **Address for** : **APMC YARD**
correspondance : **MUDHOL-587313**
: **DIST-BAGALKOT, KARNATAKA STATE**
3. (a) **Lease Number** :
- (b) **Lease area** :
- (c) **Period of lease** :
- (d) **Date of Expiry** :
4. **Mineral worked** : **DOLOMITE** Associated
: **LIMESTONE** Main

5. Name and Address of the

Lessee : KALLAPPA H SABARAD
 APMC YARD MUDHOL BAGALKOT
 KARNATAKA
 Phone:
 FAX :

Owner : KALLAPPA H. SABARAD
 APMC YARD MUDHOL BAGALKOT
 KARNATAKA
 Phone:
 FAX :

Manager

Name : Shri M.Bhima Reddy
 Qualification : Mine foreman cert & permit manager
 Appointment/ : 24-AUG-12
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	27-SEP-04
Plan/Scheme of Mining		Modif.of approved Mining Plan	16-JAN-08
		Mining Scheme rule 12 MCDR1988	26-AUG-11
		Mining Scheme rule 12 MCDR1988	10-MAR-16
		MP modif under 17(3) MCR 2016	13-DEC-17

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	
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		As on 01.12.2020 Proved Mineral Reserves Limestone (111) = 1879974 tons Proved Mineral Reserves Dolomite (111) = 109630 tons	Updated Reserves given as per approved RMP dtd. 14.01.2021
1f	General remarks of inspecting officers on geology, exploration etc		Entire lease area is mentioned explored under G1 level in approved MMP/RMP.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Section B-B' to D-D'	Section B-B' to D-D'	As per Modifications of Mining Plan (MMP) approved on 13.12.2017
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Only Mineral benches with intercalated waste	Only Mineral benches with intercalated waste	
2c	Stripping ratio or ore to OB ratio	1 : 0.05	1 : 0.05	
2d	Quantity of topsoil generation in m3	Nil	Nil	

2e	Quantity of overburden generation in m3	6316 te	2150 te	IB/IW
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Development/excavation has been carried out in the same area as proposed in approved Mining Plan (MMP). However, less development and production carried out, reportedly due to less demand from consuming industry.	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	110000 tons of limestone and 10000 ton of dolomite in FY2019-20	42000 tons of limestone achieved	
3c	Recovery of sailable/usable mineral from ROM production	95%	95%	
3d	Quantity of mineral reject generation	Nil	Nil	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual Method	Manual Method	
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	jack hammer drilling and blasting	jack hammer drilling and blasting	

3k	Provision of mining machineries in mineral benches	Excavator & Tipper combination	Excavator & Tipper combination	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3 mtr bench height is proposed	Yes, height of benches almost maintained	
3m	Total area covered under excavation/pits	3.78 hect area is proposed up to 2020-21	Area under mining-3.45 Ha. up to 219-20	as per Annual return submitted for 2019-20
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.05	1 : 0.05	Te :Te
3o	Total area put in use under different heads at the end of year	4.08 hect area is proposed up to 2020-21	Area under mining-3.45 Ha. &Dump = 0.1 hect	as per Annual return submitted for 2019-20
3p	Production of ROM mineral during the last five year period as applicable	Proposal as per MMP approved on 13.12.2017 : Te Lime Stone Dolomite 2017-18 (1.12.2017 to 31.03.2018) 70000 10000 2018-19 110000 10000 2019-20 110000 10000	Te Lime Stone Dolo. 2017-18 (1.12.2017 to 31.03.2018) 21000 Nil 2018-19 40000 Nil 2019-20 42000 Nil	ROM Production (te) Quantity given as reported in approved RMP on 08.01.2021 and Annual return submitted for 2019-20
3q	General remarks of inspecting officers on method of mining etc.		Open cast workings being carried out in small scale with shovel-tippers combination.	

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate Dumping for OB/IB proposed	Separate Dumping for OB/IB being done
4b	Location of topsoil, OB and mineral reject dumps	Nil OB/waste dump proposed at N-1706060 To1790695/ E-536040 to536090	Dump has been formed at the Proposed area.
4c	Number of dumps within lease area and outside of lease area	01 within lease	01 within lease
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Within the UPL	Within the UPL
4e	Number of active and alive dumps.	01	01
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.		No
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil
4j	Number of settling ponds	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management		Protection measures i.e. Retaining/toe wall, garland drains etc. around the waste Dump (near BP-3) have not been constructed. Hence, Violation issued for the same.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	backfilling, reclamation etc. are not proposed	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.		Mine has not reached up to ultimate depth and no any part of the lease area is fully extracted or got exhausted of mineral. Hence, backfilling, reclamation etc. are not proposed in the approved MMP.

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).	To be Submitted	Submitted	
6c	afforestation done (ha).	0.037 ha	0.05 ha	
6d	No. of saplings planted during the year	50 nos	50 nos	At 7.5 m Safety Zone along the ML boundary
6f	Any other method of rehabilitation	Nil	Nil	
6g	Cost incurred on watch and care during the year		Rs.5000 approx	

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	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	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	Nil	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Regular Environment monitoring	regular monitoring of ambient air quality & water quality being carried out	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Plantation has been carried out along the safety zone in periphery of the lease area	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	grade wise sorting	grade wise sorting
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual
7c	Different grade of mineral sorted out at mines.	Manually sorting and sizing proposed	Manually sorting and sizing is being done
7d	Any beneficiation process at mines .	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		sorting & sizing of mineral being carried out by manually

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal for top soil generation during the year 2019-20	Nil	
8b	Concurrent use or storage of topsoil	Nil	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump for overburden/waste proposed	Separate dump for overburden/waste proposed	
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)	50 plants in the lease area in 2019-20	50 plants planted
8g	Survival rate		about 60%
8h	Water sprinkling on roads to control airborne dust	proposed	Water sprinkling on roads being carried out using water tanker
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Aesthetic beauty of mine in and around mines is good.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		MR Submitted up to = October 2020 AR Submitted up to =2019-20	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager Shri M.Bhimareddy, Mining Engineer _nil, Geologist in charge- Shri D S.Malakai	Mining Engineer-Nil Geologist-Nil and Manager-1	Violation issued in this respect
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under mining-3.45 Ha. Dump = 0.1 hect	Area under mining-3.45 Ha. Dump = 0.1 hect	
9d	Scrutiny of Annual return on afforestation	50 plants	50 plants	

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM stock - Nil, graded ore L/S-38180 tonnes	ROM stock -Nil, graded ore L/S-38180 tonnes
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex. Mine price Rs.536.00/ton, production cost- 287 Rs/te	Ex. Mine price Rs.536.00/ton, production cost- 287 Rs/te
9h	Scrutiny of Annual return on fixed assets	Rs 18.0 lakh is shown as value of fixed assets.	Rs 18.0 lakh is shown as value of fixed assets.
9k	Scrutiny of Annual return on mining machineries	furnished	furnished

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
MCDR17	Rule 11(1)	11-JAN-21			
MCDR17	Rule 35(2)	11-JAN-21			
MCDR17	Rule 45(5)(k	11-JAN-21			
MCDR17	Rule 45(5)(c	11-JAN-21			
MCDR17	Rule 45(7)(a)	11-JAN-21			

Date :

(PREM PRAKASH)

Indian Bureau of Mines