

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

MCDR inspection REPORT

Goa regional office

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

Mine code : 38KAR26060

- (i) Name of the Inspecting : **SP01**) **SURESH PRASAD**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : **SHRI. K.H.SABARAD, LESSEE**
Official with
Designation
- (iv) Date of Inspection : 08/03/2018
- (v) Prev.inspection date : 26/05/2017

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **HEBBAL (ML NO. 2493)**
- (b) **Registration NO.** :
- (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** : 06/12/2006
- (h) **Weekly day of rest** : TUE
2. **Address for correspondance** : APMC YARD
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/ : 24/08/2012
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	27/09/2004
Plan/Scheme of Mining		Modif.of approved Mining Plan	16/01/2008
		Mining Scheme rule 12 MCDR1988	26/08/2011
		Mining Scheme rule 12 MCDR1988	10/03/2016
		MP modif under 17(3) MCR 2016	13/12/2017

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	9 NOS	9 NOS.	9 bore holes of total meterage 285 mtr in 2016-17 undertaken.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Shri R.S.patil, Kolhapur	Shri R.S.patil, Kolhapur Rs. 3.65 Lakhs	
1d	Balance area to be explored to bring Geological axis in 1 or 2		nil	
1e	Balance reserve as on 01/04/20	Limestone 2.082MT Dolomite - 0.130MT	Limestone -2.082MT Dolomite -0.130MT	
1f	General remarks of inspecting officers on geology, exploration etc			Reserve updated as per the MMP.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	E536250-5360025 N 1790450-1790700	E536250-5360025 N 1790450-1790700	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)		yes	
2c	Stripping ratio or ore to OB ratio	1:0.05	1:0.06	
2d	Quantity of topsoil generation in m3	1695	50	
2e	Quantity of overburden generation in m3	6316	3200	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Satisfactory. Top soil used for green belt dev.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one	one	
3b	Quantity of ROM mineral production proposed	120000 T limestone	56500T	
3c	Recovery of sailable/usable mineral from ROM production	120000 T limestone	56500T	100% recovery reported
3d	Quantity of mineral reject generation	nil	nil	
3e	Grade of mineral rejects generation and threshold value declared.	nil	nil	
3f	Quantity of sub grade mineral generation.	nil	nil	
3g	Grade of sub grade mineral generation	na	nil	
3h	Manual / Mechanised method adopted for segregating from ROM	manual	manual for size reduction	manual for size reduction
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	Jack hammer 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	3.0m	yes	
3m	Total area covered under excavation/pits	3.161ha	3.161ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.05	1:0.56	
3o	Total area put in use under different heads at the end of year	3.539	3.161	
3p	Production of ROM mineral during the last five year period as applicable	2012-13 to 2016-17-360000T LS	2012-13 to 2016-17-230000T	
3q	General remarks of inspecting officers on method of mining etc.			Quantity of ROM production less as proposed.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)		top soil used for planation	
4b	Location of topsoil, OB and mineral reject dumps	Top soil used for planation on north side of pit for green belt developement.	Top soil used for planation on north side of pit for green belt developement.	Top soil used for planation on north side of pit for green belt developement.
4c	Number of dumps within lease area and outside of lease area			Waste generation is very less and used for making safety berm and perephery protection.

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	nil	nil	
4e	Number of active and alive dumps.	one	one	less generation of intercalated waste.
4f	Number of dead dumps.		nil	
4g	Number of dumps established.	nil	nil	
4h	Whether Retaining wall or garland drain all along dumps are there.			safety berm and green belt development undertaken.
4i	Length of Retaining wall or garland drain all along dumps			not proposed.
4j	Number of settling ponds	nil	nil	not proposed.
4k	Specific comments of inspecting officer on waste dump management			Proposal for intercalated waste handling only and was very less.

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	Not matured for backfilling
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. Backfilling not 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).	yes	yes	
6b	Area available for rehabilitation (ha) .	nil	nil	
6c	afforestation done (ha).	0.037ha	0.037ha	
6d	No. of saplings planted during the year	100 nos	100 nos	for green belt dev.
6e	Cumulative no .of plants	350	450 nos	
6f	Any other method of rehabilitation	nil	nil	
6g	Cost incurred on watch and care during the year		10000/-	
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 on backfilled area	nil	nil	
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	No R&R work proposed in the AY. Green belt developement and planation undertaken.
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 R&R work proposed in the AY. Green belt developement and planation undertaken.

Mineral Conservation:

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

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	1695 m3	750m3 handled and used for safety green belt developement.	
8b	Concurrent use or storage of topsoil	for safety green belt developement.	used for safety green belt developement.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	south western part	Dumping in North - western part.	However, there were no proposal for stacking of ore in the approved MP .Violation already pointed out by the then inspecting officer. and lessee has modified the mining plan.

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	about 2500 planatation was planted within the lease area in the year 2016-17.
8g	Survival rate		70%	Regular monitering and watering the plants by lessee.
8h	Water sprinkling on roads to control airborne dust		yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Safety belt planation were done properly along the perephery of lease.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		Not appointed	Violation pointed out for the same.

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		plantation undertaken as per the return.	cumm 5000 plants were planted in the lease area.
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		provided	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost		given	
9h	Scrutiny of Annual return on fixed assets		provided	
9k	Scrutiny of Annual return on mining machineries		Only compressor details were given	Manually operated and now upgraded to OTFM in the recent approval of MMP.

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 55(1)(1	22/03/2018				

Date :

(SURESH PRASAD)

Indian Bureau of Mines