

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

MCDR inspection REPORT

Goa regional office

Mine file No : KNT/BJP/Fe-1/GOA

Mine code : 30KAR05002

- (i) Name of the Inspecting : P01) PREM PRAKASH
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Shri. D.Somaiyah, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 06-JUL-18
- (v) Prev.inspection date : 24-NOV-17

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : HIREMAGI RAMTHAL M.L.465
- (b) **Registration NO.** :
- (c) **Category** : A Fully Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : KARNATAKA
- District : BAGALKOT
- Village : HIREMAGI-RAMTHAL
- Taluka : HUNAGUND
- Post office : HIREMAGI
- Pin Code : 587112
- FAX No. : 08351-280125
- E-mail : hrmines@doddanavarbrothers
- Phone : 08351-287740/280125
- (f) **Police Station** :
- (g) **First opening date** : 01-JUL-80
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : Doddannavar Brothers
Corporate House,Opp Hotel Ksemainn,
Near 3rd Railway Gate, Khanapur Road, Belgaum
3. (a) **Lease Number** : KAR0264
- (b) **Lease area** : 39.66
- (c) **Period of lease** : 30
- (d) **Date of Expiry** : 28-FEB-90
4. **Mineral worked** : IRON ORE Main

5. Name and Address of the

Lessee : DODDANAVAR BROTHERS
 Corporate House, Opp Hotel
 Ksemainn Near 3rd Railway
 Gate, Khanapur Road,
 BELGAUM KARNATAKA
 Phone: 0831-2466727
 FAX : 0831-2403401

Owner : PUSHPADANT PARISAPPA DODDANNAWAR
 Corporate House, Opp Hotel
 Ksemainn Near 3rd Railway
 Gate, Khanapur Road BELGAUM
 KARNATAKA
 Phone: 0831-2466727
 FAX : 0831-2403401

Agent : RACHAPPA MALLAPPA SARADAGI
 General Manager (Mines)
 Doddanavar Brothers At-
 Hiremagi, Tq-Hungund
 BAGALKOT KARNATAKA
 Phone: +919845739350, 08351-287740
 FAX : 08351-280125

Manager
 Name : RACHAPPA
 Qualification : B.E. Mining
 Appointment/ : 01-APR-97 01-DEC-03
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	27-MAY-02
Plan/Scheme of Mining		Modif. approved Mining Scheme	18-DEC-03
		Modif. approved Mining Scheme	03-DEC-04
		Mining Scheme rule 12 MCDR1988	05-FEB-07
		Renewal under rule 24 MCR1960	26-OCT-10
		Mining Scheme rule 12 MCDR1988	23-APR-15
		MP modif under 17(3) MCR 2016	20-JUN-18

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	10 Core BHs (2015-16&2016-17)	Up to June-2018, Core BHs of 10 Nos. reported completed	Further, Modification of Mining plan approved on 20-06-2018 in which exploration is reviewed & fresh proposal is given.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	-	Third party	
1d	Balance area to be explored to bring Geological axis in 1 or 2	-	-	About 2.5 ha.
1e	Balance reserve as on 01/04/20	-	-	Total resource = Million Tones 7.17 (Ore) 11.67 (BHQ) as on 01.04.2015
1f	General remarks of inspecting officers on geology, exploration etc			Violation issued for exploration not commenced so far for 2018-19 as per Modification of Mining plan approved on 20-06-2018.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit-2		Pit-2
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes	
2c	Stripping ratio or ore to OB ratio	1:0.04	1:0.28	
2d	Quantity of topsoil generation in m3	nil	nil	

2e	Quantity of overburden generation in m3	4680 M3	50628 M3	overburden generation as reported by Mines manager during inspection; Annual return for FY 2017-18 was not submitted till the date of inspection
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Deposit is low grade and highly disturbed & fractured. More development work required.
				Deposit is low grade and highly disturbed & fractured. More development work required.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Pit-2	Pit-2	
3b	Quantity of ROM mineral production proposed	91460 m3 (246942 te) in FY2017-18	177200 te	ROM production as reported by Mines manager during inspection; Annual return for FY 2017-18 is not submitted till the date of inspection
3c	Recovery of sailable/usable mineral from ROM production	90%	100%	

3d	Quantity of mineral reject generation	9146 m3	20,000 te	Mineral reject generation as reported by Mines manager during inspection; Annual return for FY 2017-18 is not submitted till the date of inspection.
3e	Grade of mineral rejects generation and threshold value declared.	-	Fe 35% to 50%	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	-	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Mechanized	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	-	yes	Bench scale study reportedly carried out by IBM Nagpur
3j	Provision of drilling and blasting in mineral benches	Yes	Yes	
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	Yes	
3m	Total area covered under excavation/pits	About 25.5 Ha	About 25 Ha	cumulative
3n	Ore to OB ratio for the pit/mine during the year.	1:0.04	1:0.28	

3o	Total area put in use under different heads at the end of year	About 37 ha.	About 36 ha.	cumulative
3p	Production of ROM mineral during the last five year period as applicable	3lakh to 3.8 lakh te per annum	2013-14: 0 2014-15: 0 2015-16 : 0 2016-17 : 252306 te 2017-18 :177200 te	Mine was not in operation in 2013-14, 2014-15 &2015-16. ROM production for 2017-18 is given as reported by Mines Manager/ Mining Engineer during inspection; Annual return for FY 2017-18 has not been submitted so far.
3q	General remarks of inspecting officers on method of mining etc.		Mechanized open cast method of mining being followed with shovel-dumper combination.	

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	Yes	
4b	Location of topsoil, OB and mineral reject dumps	Top soil nil , Dumping on East Side	Top soil not generated, Dumping on East Side	
4c	Number of dumps within lease area and outside of lease area	Lease area=3 Non Lease area=0	Lease area=3 Non Lease area=0	
4e	Number of active and alive dumps.	2 - Active	2 - Active	
4f	Number of dead dumps.	-	1	
4g	Number of dumps established.	-	1 east side	
4h	Whether Retaining wall or garland drain all along dumps are there.	-	yes	

4i	Length of Retaining wall or garland drain all along dumps	150m	Retaining wall of length about 500 meters has been constructed around the toe of the dump
4j	Number of settling ponds	-	1
4k	Specific comments of inspecting officer on waste dump management		Top soil not being generated, waste dumping carried out at East Side of lease.

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.	No proposal During scheme period	-	
5b	Area under backfilling of mined out area	No proposal During scheme period	-	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal During scheme period	-	
5d	Total area fully reclaimed and rehabilitated	No proposal During scheme period	-	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		Backfilling not proposed during this scheme period	

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	Violation issued for the same

6d	No. of saplings planted during the year	2017-18 : 400 Nos. of sapling	2017-18: 450 Nos. of saplings.	
6e	Cumulative no .of plants	-	Total : 5800 Nos. of saplings. (cumulative)	
6p	Compliance of environmental monitoring (core zone and buffer zone)	-	Regular monitoring carried out by SUMS Hospet (approved Lab) Copy submitted	by SUMS lab Hospet
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	Violation issued for non-submission of Annual report on PMCP for 2017-18.	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Crushing & Screening	Crushing & Screening	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	mechanical	mechanical	
7c	Different grade of mineral sorted out at mines.	-	yes	
7d	Any beneficiation process at mines .	-	-	One beneficiation plant erected near to mine (outside lease area)
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Dry Crushing & Screening being carried out within lease area.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not in proposal	NA	
8b	Concurrent use or storage of topsoil	Not in proposal	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not in proposal	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not in proposal	NA	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-	2017-18: 450 Nos. of saplings planted.	Total : 5800 Nos. of saplings. (cumulative)
8g	Survival rate	-	70%	
8h	Water sprinkling on roads to control airborne dust	-	Water sprinkling has been carried out by water tanker	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	OK

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

9a	Status of submission of Monthly and Annual returns	Till the date of insp.	MR Submitted up to May- 18 AR not Submitted for FY 2017-18.	Violation issued for non-Submission of AR for FY 2017- 18
----	---	---------------------------	--	--

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)	01-AUG-18			
MCDR17	Rule 24(1)	01-AUG-18			
MCDR17	Rule 26(2)	01-AUG-18			
MCDR17	Rule 35(2)	01-AUG-18			
MCDR17	Rule 45(5)(c	01-AUG-18			
MCDR17	Rule 45(7)(a)	01-AUG-18			

Date :

(PREM PRAKASH)

Indian Bureau of Mines