

**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.SOMIAIAH, MM
Official with
Designation
- (iv) Date of Inspection : 24-SEP-19
- (v) Prev.inspection date : 27-FEB-19

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
		FMCP under 23C(1)	22-NOV-18

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	In FY 2018-19 : 7 Core Bore Holes, Total meterage = 300 Mts & 2 DTH holes proposed	7 Core bore holes to a depth of 349 Mts and 02 Nos DTH -100Mts reported carried out.	
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	Mineralized area has been proved at G2 level of exploration. To bring Geological axis 1, 07 nos. BHS is proposed in FY 2018-19.	7 Core bore holes to a depth of 349 Mts and 02 Nos DTH -100Mts reported carried out.	

1e	Balance reserve as on 01/04/20	As on 30.01.2018, Total Reserve and remaining Resources = 10.51 mill.te Total Reserve : Hematitic ore=5.32 mill. Te; Hematitic siliceous ore = 1.88 mill. Te. As on 30.01.2018, Total Reserve and remaining Resources = 10.51 mill.te Total Reserve : Hematitic ore=5.32 mill. Te; Hematitic siliceous ore = 1.88 mill. Te.	Balance reserves with grade and quality as on 28.02.2019 : Hematitic ore = 5.08 mill. Te (+45% fe) Hematitic siliceous ore = 1.88 mill. Te (+35% fe)	Annual return of 2018-19, updating the reserve position has not been submitted so far. Violation being issued for the same.
1f	General remarks of inspecting officers on geology, exploration etc		Exploration record was not found maintained as per Form-J for boreholes carried out in year 2018-19. Violation being issued for the same.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Development / excavation was proposed in year 2018-19 by systematic development of west side pit only.	Whereas excavation has been carried out in scattered manner from different pits for winning high grade ore in selective manner.	Violation being issued for the same.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	yes	yes	

2c	Stripping ratio or ore to OB ratio	1:1.65	1:1.09	Less development/ waste removal work carried out than proposed. Violation being issued for the same.
2d	Quantity of topsoil generation in m3	--	--	
2e	Quantity of overburden generation in m3	627375 MT	337540 MT	Overburden generation is given as reported by Mines manager during inspection; Annual return for FY 2018-19 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		Less development work was carried out than proposed in year 2018-19 as waste generation/removal reported 337540 te only against the proposal of 627375 te in year 2018- 19. Violation being issued for the same.	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Excavation was proposed in year 2018-19 from 01 pit only.	Whereas excavation has been carried out in scattered manner from different pits for winning high grade ore in selective manner.	
3b	Quantity of ROM mineral production proposed	2018-19 :126450 m3 (379350 te)	309550 te	ROM Production is given as reported by Mines manager during inspection; Annual return for FY 2018-19 was not submitted till the date of inspection
3c	Recovery of sailable/usable mineral from ROM production	90%	100%	
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	Nil	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized method proposed for segregating from ROM	Mechanized method adopted for segregating from ROM	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	-	-	
3j	Provision of drilling and blasting in mineral benches	yes	yes	
3k	Provision of mining machineries in mineral benches	Shovel-Dumper combination	Shovel-Dumper combination	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Excavation/development of pit was approved to be carried out by regular benches of height 6 m and width more than its height (width of working benches to be more than 8 m).	However, it was observed that benches in West Side Pit were merged in irregular and unsystematic manner with height of benches even more than 12 m & width of benches were also less than its height at places.	Violation being issued for the same.
3m	Total area covered under excavation/pits	19.65 Ha	About 19.5 ha. cumulative	As per approved MMP dtd:- 20.06.2018
3n	Ore to OB ratio for the pit/mine during the year.	1:1.65	1:1.09	

3o	Total area put in use under different heads at the end of year	37.68 ha.	About 36 ha. Including green belt	As per approved MMP dtd:- 20.06.2018
3p	Production of ROM mineral during the last five year period as applicable	2015-16 : 100000 m3 2016-17 : 86426 m3 2017-18 : 91460 m3 2018-19 : 126450 m3	2015-16: 00 2016-17: 252306 te 2017-18: 177200 te 2018-19: 309550 te	Mine was reported non-operational in 2013-14, 2014-15 & 2015-16. ROM production given as reported in Annual Returns. Annual return for FY 2018-19 was not submitted till the date of inspection
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 The waste dumping is proposed at the earmarked area between dumps 2 & 3.	Top soil not generate. waste dumping observed carried out in eastern part of East side pit.	Violation being issued for the same.
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	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	nil	
4e	Number of active and alive dumps.	1 - Active	1 - Active	
4f	Number of dead dumps.	-	03	
4g	Number of dumps established.	-	01	

4h	Whether Retaining wall or garland drain all along dumps are there.	-	yes
4j	Number of settling ponds	--	01
4k	Specific comments of inspecting officer on waste dump management		The waste dumping is proposed at the earmarked area between dumps 2 & 3. Whereas waste dumping observed carried out in eastern part of East side pit. Violation being issued for the same.

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	NA	
5b	Area under backfilling of mined out area	No proposal	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	NA	
5d	Total area fully reclaimed and rehabilitated	No proposal	NA	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Backfilling has not been proposed in approved modified MP.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	To be submitted before 1st of july.	Not Submitted so far	Violation being issued for the same.
6b	Area available for rehabilitation (ha) .	Not proposed	NA	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not proposed	NA	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	2018-19: 4000 nos. of samplings over waste dumps & 1500 nos. of samplings over safety barrier	Afforestation done reported in 2018-19: 5910 Nos. of saplings.	However, plantation has not been carried out on slopes of old & major waste dump-3 situated near to BP-7. Violation being issued for the same.
6p	Compliance of environmental monitoring (core zone and buffer zone)	proposed	Environment monitoring being carried out periodically on regular basis.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Violation being issued for non-submission of Annual report in respect of PMCP for 2018-19.	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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.	Crushing & Screening	Crushing & Screening	

7c	Different grade of mineral sorted out at mines.	yes	yes
7d	Any beneficiation process at mines	yes	Dry Crushing & Screening only in mines.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Dry Crushing & Screening being carried out within lease area. One beneficiation plant being erected near to mine (outside lease area).

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not in proposal, topsoil generation is negligible	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)	--	Total: 41910 Nos. of saplings. Within Lease (cumulative) Total: 129520 Nos. of saplings. Outside the Lease area (cumulative)
8g	Survival rate	--	About 70%
8h	Water sprinkling on roads to control airborne dust	yes	Water sprinkling has been carried out by water tanker
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Aesthetic beauty in and around mines area 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 = Aug: 2019 AR not Submitted for FY 2018-19.	Violation being issued for non-Submission of AR for FY 2018-19.

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 :**(PREM PRAKASH)**

Indian Bureau of Mines