

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

**MCDR inspection REPORT**

**Goa regional office**

**Mine file No :** KNT/BJP/Fe-2/GOA

**Mine code :** 30KAR05001

- (i) Name of the Inspecting : P01 ) PREM PRAKASH  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : SHRI. PRAKASH Y. MINES MANAGER  
Official with  
Designation
- (iv) Date of Inspection : 08-DEC-20
- (v) Prev.inspection date : 29-NOV-19

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : HIREMAGI S. AIHOLLE
- (b) **Registration NO.** :
- (c) **Category** : A Fully Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : KARNATAKA
- District : BAGALKOT
- Village : HIREMAGI
- Taluka : HUNAGUND
- Post office : HIREMAGI
- Pin Code : 587112
- FAX No. : 08351-787740
- E-mail : hrmines@doddanavarbrothers
- Phone : 08351-787740
- (f) **Police Station** :
- (g) **First opening date** : 01-JUL-80
- (h) **Weekly day of rest** : SAT
2. **Address for correspondance** : Doddannavar Brothers  
Corporate House,Opp Hotel Ksemainn,  
Near 3rd Railway Gate, Khanapur Road, Belgaum
3. (a) **Lease Number** : KAR0265
- (b) **Lease area** : 45.3
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 04-JUN-00
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 : Y PRAKASH  
 Qualification : Dip. In Mining Eng. and II Class Mines M  
 Appointment/ : 01-SEP-15  
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	16-MAR-00
Plan/Scheme of Mining		Modif.of approved Mining Plan	03-DEC-04
		Mining Scheme rule 12 MCDR1988	28-OCT-05
		Modif.approved Mining Scheme	09-JUN-09
		Renewal under rule 24 MCR1960	26-OCT-10
		Mining Scheme rule 12 MCDR1988	29-APR-15
		MP modif under 17(3) MCR 2016	10-AUG-18
		MP review under 17(1) MCR 2016	29-JAN-20

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	13 Core BHs (2018-19)	07 Core BHs	Further Exploration proposal has been ratified & updated in recently approved Review & updation of mining plan, dtd. 29.01.2020 for PERIOD 2020-21 TO 2024-25 .
1b	Exploration over lease area for geological axis 1 or 2	13 Core BHs (2019-20)	07 Core BHs	Violation issued in this respect.
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 4.5 Ha.
1f	General remarks of inspecting officers on geology, exploration etc	-	Mineral Reserve 111 - 2.153 mill te (Hemt. Ore) & 8.332 mill. Te (Hemt. Siliceous ore)	As on 01/09/2019, As per approved Review & updation of mining plan, dtd. 29.01.2020

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	North & south Pit	North & south Pit	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	yes	yes	Top soil: Nil
2c	Stripping ratio or ore to OB ratio	1:0.09	1:0.37	Te :Te
2d	Quantity of topsoil generation in m3	Not proposed	Nil	

2e	Quantity of overburden generation in m3	55300 Tons	95000 Tons
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Mineral Deposit of the mine is low grade and highly disturbed & fractured. Development being carried out in both North & South pits.	

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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	02Nos. North & South Pit	02Nos. North & South Pit	
3b	Quantity of ROM mineral production proposed	599966 Te (2019-20)	256100 Te	ROM=ORE+MINERAL REJECT: (256100=168100+88000 te )
3c	Recovery of sailable/usable mineral from ROM production	474120 Te ( ORE )	168100 Te ( ORE )	
3d	Quantity of mineral reject generation	125846 Te (MR)	88000 Te (MR)	
3e	Grade of mineral rejects generation and threshold value declared.	35 % Grade for Siliceous ore	40%	
3f	Quantity of sub grade mineral generation.	Nil	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.	-	-	

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	ha.	22.98 about 22.55 Ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.09	1:0.37	Te :Te
3o	Total area put in use under different heads at the end of year	-	Mining - 22.55 Ha Dump - 1.02 Ha Others -5.25Ha approx.	
3p	Production of ROM mineral during the last five year period as applicable	2015-16 5 Lakh 2016-17 5 Lakh 2017-18 5 Lakh 2018-19 6 Lakh 2019-20 6 Lakh	2015-16 Nil 2016-17 186200 2017-18 235500 2018-19 480500 2019-20 256100	ROM (te) production figure is given as mentioned in approved Mining Plan (MMP &RMP) and Annual Return submitted for 2019-20
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	at the earmarked place in the S-W corner of ML area near to BP-9	Observed carried out in the central part of the ML area.	Violation issued in this respect.
4c	Number of dumps within lease area and outside of lease area	1	1	
4f	Number of dead dumps.		01	
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposed around waste Dump-1	Retaining wall, garland drains etc. proposed to constructed around the proposed waste Dump-1 in the year 2020-21, have not been constructed so far.	Violation issued for the same.
4i	Length of Retaining wall or garland drain all along dumps	-	Nil	
4j	Number of settling ponds	-	-	
4k	Specific comments of inspecting officer on waste dump management		Waste dumping was approved to be carried at the earmarked place in the S-W corner of ML area near to BP-9 in the year 2020-21. Whereas, waste dumping observed being carried out at non-approved area in the central part of the ML area. Violation issued for the same.	

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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 2019-20	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 proposal was given in approved MP for backfilling/ reclamation during 2019-20.	

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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	No	Violation issued for the same
6d	No. of saplings planted during the year	2019-20:2000 Nos. of sapling	2019-20 : 3400 Nos. of sapling	Planted along Haul Road & at Lease Boundary in safety zone
6f	Any other method of rehabilitation	Nil	Nil	
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	
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	
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 was envisaged in PMCP.	However, Environment monitoring report was not made available during inspection.	Violation issued in this respect.
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 2019-20.	

#### 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.	Mechanical	Mechanical	
7c	Different grade of mineral sorted out at mines.	Yes	Yes	
7d	Any beneficiation process at mines .	-	-	One beneficiation plant erected 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	Nil	
8b	Concurrent use or storage of topsoil	Not in proposal	Nil	
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	nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not in proposal	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		2019-20 : 3400 Nos. of sapling	
8g	Survival rate	-	About 68 %	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling by Water tanker	Water sprinkling being 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
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9a	Status of submission of Monthly and Annual returns	MR Submitted up to = November 2020 AR Submitted up to = 2019-20	However, Returns observed submitted delayed i.e. not within the specified time-frame. Violation issued in this respect.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mine Manager: Prakash Y Mine Engineer: Gurulingayya Geologist : Nagaraj rao	Mine Manager: Prakash Y Mine Engineer: Gurulingayya Geologist : Nagaraj rao
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land Covered under Mining- 22.55 Ha, Waste Disposal-1.02 Ha, Infrastructure 1.51Ha, Green Belt & Mineral Stock- 5.25 Ha	Land Covered under Mining-22.55 Ha, Waste Disposal-1.02 Ha, Infrastructure /Road- 1.51Ha, Green Belt & Mineral Stock- 5.25 Ha
9d	Scrutiny of Annual return on afforestation	WITH IN LEASE- 3400 NOS,	WITH IN LEASE-3400 NOS,
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	88000 T; Fe-40%	88000 T; Fe-40%
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing Balance : ROM- 387490 te	Closing Balance : ROM- 387490 te
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex. Mine price Of Lumps- 2070.9 Of Fines- 1264.78 Production Cost-820/-	Ex. Mine price Of Lumps-2070.9 Of Fines-1264.78 Production Cost-820/- Rs./Te

9h	Scrutiny of Annual return on fixed assets	Rs. 123303582/-(in respect of the mine, beneficiation plant, mine work-shop, power and water installation)	Rs. 123303582/-(in respect of the mine, beneficiation plant, mine work-shop, power and water installation)
9k	Scrutiny of Annual return on mining machineries	Back Hoe-03 Front End Loader-2 Dumper-8	Back Hoe-03 Front End Loader-2 Dumper-8

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**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)	07-JAN-21			
MCDR17	Rule 26(2)	07-JAN-21			
MCDR17	Rule 31(4)	07-JAN-21			
MCDR17	Rule 45(5)(k	07-JAN-21			
MCDR17	Rule 45(5)(c	07-JAN-21			
MCDR17	Rule 45(7)(a)	07-JAN-21			

**Date :**

**(PREM PRAKASH)**

Indian Bureau of Mines