

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

**Mining Plan Modification 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. MINES MANAGER  
Official with  
Designation
- (iv) Date of Inspection : 05-JUL-18
- (v) Prev.inspection date :

**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

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	12 Core BHs (2015-16&2016-17)	Up to June-2018, Core BHs of 10 Nos. reported completed & 02 BHs under progress.	
1b	Exploration over lease area for geological axis 1 or 2	5 Core BHs (2017-18)	NIL	Violation issued for exploration not commenced.
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 3 ha.
1e	Balance reserve as on 01/04/20	-	-	Total resource = Million Tones 9.59 (Ore) 12.72 (BHQ) as on 01.04.2015
1f	General remarks of inspecting officers on geology, exploration etc		Violation issued for less exploration carried out. Further, Modification of Mining plan submitted on 26-06-2018 in which exploration is being reviewed & fresh proposal is given.	

## 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	1:0.03	1:0.21	

2d	Quantity of topsoil generation in m3	Not proposed	NA	
2e	Quantity of overburden generation in m3	6600 m3	50464 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. Development carried out in both North & South pit. Further, Modification of Mining plan submitted on 26-06-2018 in which development is being reviewed & fresh proposal is given.	

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	02Nos.	02Nos.	
3b	Quantity of ROM mineral production proposed	500000 te (185185m3)	235500 te	ROM production as reported by Mines manager /mining engineer 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	18518 m3	30,000 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.	-	35% to 50% Fe	
3f	Quantity of sub grade mineral generation.	-	Nil	
3g	Grade of sub grade mineral generation	-	NA	
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 22.5Ha	About 22 Ha	cumulative
3n	Ore to OB ratio for the pit/mine during the year.	1:0.03	1:0.21	
3o	Total area put in use under different heads at the end of year	27.5 ha.	About 25 ha.	cumulative

3p	Production of ROM mineral during the last five year period as applicable	2013-14 5 Lakh 2014-15 6 Lakh 2015-16 5 Lakh 2016-17 5 Lakh 2017-18 5 Lakh	2013-14 Nil 2014-15 Nil 2015-16 Nil 2016-17 186200 2017-18 235500	2013-14 Nil 2014-15 Nil 2015-16 Nil 2016-17 186200 2017-18 235500	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.			

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#### 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	Near to south pit	Near to south pit	
4c	Number of dumps within lease area and outside of lease area	Lease area = 2 Non Lease area = 0	Lease area = 2 Non Lease area = 0	
4e	Number of active and alive dumps.	2	2	
4h	Whether Retaining wall or garland drain all along dumps are there.	-	Retention wall, garland drains etc. has not been constructed around the BHQ/Sub-grade Dump	Violation issued for the same.

4k	Specific comments of inspecting officer on waste dump management	Violation issued for not providing Retention wall, garland drains etc. around the BHQ/Sub-grade Dump. Further, Modification of Mining plan submitted on 26-06-2018 in which waste dumping is being reviewed & fresh proposal being given based on outcome of recent exploration carried out.
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Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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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).	-	No	Violation issued for the same
6d	No. of saplings planted during the year	2017-18 : 750 Nos. of sapling	2017-18 : 3450 Nos. of sapling	
6e	Cumulative no .of plants	-	Total No. of sapling planted 24000Nos. (Cumulative)	
6f	Any other method of rehabilitation	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	not proposed	NA	
6p	Compliance of environmental monitoring (core zone and buffer zone)	-	Regular monitoring carried out	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	
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	OB Dump-2 Mineral Reject -1	
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)	-	3450 nos. Done	Cumulative 24000 Nos. planations
8g	Survival rate	-	65% - 70%	
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			OK

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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

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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)	02-AUG-18			
MCDR17	Rule 26(2)	02-AUG-18			
MCDR17	Rule 35(2)	02-AUG-18			
MCDR17	Rule 45(5)(c	02-AUG-18			
MCDR17	Rule 45(7)(a)	02-AUG-18			

**Date :**

**(PREM PRAKASH)**

Indian Bureau of Mines