

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

MCDR inspection REPORT

Goa regional office

Mine file No : KAR/BGK/Fe-10

Mine code : 30KAR26001

- (i) Name of the Inspecting : P01) PREM PRAKASH
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : SHRI. R.BORA, AGENT/REPRESENTATIVE
Official with
Designation
- (iv) Date of Inspection : 25-SEP-19
- (v) Prev.inspection date : 07-MAR-19

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : AMINAGAD ARIHANT MINERALS
- (b) **Registration NO.** : IBM/5563/2011
- (c) **Category** : A Other than Fully Mech.
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : KARNATAKA
- District : BAGALKOT
- Village :
- Taluka :
- Post office :
- Pin Code :
- FAX No. : 08351-270207
- E-mail : arihantminerals79@yahoo.coi
- Phone : 08351-270207
- (f) **Police Station** : AMINGAD
- (g) **First opening date** : 28-JUN-10
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : Behind Ayurvedic Hospital, ILKAL
Taluka-Hunagundi, Dist- Bagalkot
Karnataka-587125
3. (a) **Lease Number** : KAR1658
- (b) **Lease area** : 4.85
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 27-JUN-30
4. **Mineral worked** : IRON ORE Main

5. Name and Address of the

Lessee : RAVI SANGAPPA SARDESAI
EXTENSION AREA BAGALKOT
BAGALKOT KARNATAKA
Phone:9448090383
FAX :

Owner : RAVI SANGAPPA SARDESAI
BAGALKOT KARNATAKA
Phone:
FAX :

Geologist

Name : Mr.Manjunath Paltekar,Full Time
Qualification : M.sc (Applied Geology)
Appointment/ : 01-SEP-18
Termination date

6. Date of approval of Mining : Fresh under rule 22 MCR1960 05-JAN-07
Plan/Scheme of Mining Mining Scheme rule 12 MCDR1988 18-MAY-15

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	Not proposed	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	--	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not proposed	Nil	As per approved SoM, lease area is already explored by putting trial pits and having float ore only
1e	Balance reserve as on 01/04/20	--	As per approved SoM, Total Mineral resources (Reserve and remaining Resources) : 563640 te; Total Reserve : 288960 te as on 01.04.2015	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		This is a small mine (lease area : 4.86 ha only) having low grade float ore deposit and already explored by trial pits in 2014. Hence, further exploration proposal has not been given in approved SoM.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	There was a proposal to work/excavate between the co-ordinates N-581 to N-940 and E-950 to E-1030 in the year 2017-18 and 2018-19	However, it was observed that working/excavation has been extended up to 7.5 m safety zone in the western part of the lease area between B.P.-A and B.P.-H and in the south-western part of lease area between B.P.-H and B.P.-G.	Violation being issued for the same.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No separate benches are proposed because of float ore.	The deposit is low grade float ore. Ore being recovered through sorting & screening.	
2c	Stripping ratio or ore to OB ratio	1:0.57	1:0.56	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	17142 te (4898 m3)	16500 te	Overburden generation fig. 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		Float ore working only being carried out and ore being recovered through sorting & screening. Stripping ratio or ore to OB ratio has been maintained as proposed in approved Mining scheme for 2018-19.	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one	one	
3b	Quantity of ROM mineral production proposed	29999 te (8571 m3)	28500 te	Quantity of ROM mineral 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	Recovery of Sailable/ Usable Mineral from ROM Production is 100 %. Overall recovery 80%.	Recovery of Sailable/ Usable Mineral from ROM Production is 100 %.
		Recovery of Sailable/ Usable Mineral from ROM Production is 100 %. Overall recovery 80%.	
3d	Quantity of mineral reject generation	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	Not applicable
3f	Quantity of sub grade mineral generation.	Nil	Nil
3g	Grade of sub grade mineral generation	Not applicable	Not applicable
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized method 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.	Not proposed	Nil
3j	Provision of drilling and blasting in mineral benches	Not proposed	Nil
3k	Provision of mining machineries in mineral benches	small capacity machineries	small capacity machineries

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	4 mts height of benches are Proposed	height of benches are maintained as Proposed	
3m	Total area covered under excavation/pits	Around 1.2 ha up to 2018-19	Around 1.5 to 2 ha.	Working has deviation from proposed. Violation being issued for the same.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.57	1:0.56	
3o	Total area put in use under different heads at the end of year	2.41 ha. Up to 2019-20.	About 2.6 ha.	
3p	Production of ROM mineral during the last five year period as applicable	29,999 te per annum from 2015-16 to 2019-20	2015-16 : Nil 2016-17: 19500 te 2017-18: 20000 te 2018-19: 28500 te 2019-20: 10000 te (up to Aug'2019)	ROM production fig. is given as reported in Annual & monthly Returns.
3q	General remarks of inspecting officers on method of mining etc.		Open cast method of mining being followed. Only Float ore working being carried out with help of small capacity machinery and manually.	

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Only OB dump was proposed	OB dump was not made as proposed	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 backfilling was proposed	Backfilling in part of the worked out pit in south-western side was carried out by waste generated.	Violation being issued for the same.
5b	Area under backfilling of mined out area	Nil	About 0.2 ha.	
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	About 0.2 ha. Area Back-filled.
5e	General remarks of inspecting officers on backfilling and reclamation etc.		In Scheme of Mining, there was a no proposal of backfilling. However, Backfilling in part of the worked out pit in south-western side was carried out by waste generated. Violation being issued for the same.	

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).	Before 1st July of every year	Not yet submitted	Violation being issued for the same.
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Nil	nil	

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	50 Nos.	50 Nos.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.08 ha	0.08 ha
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Plantation	Plantation
6p	Compliance of environmental monitoring (core zone and buffer zone)	--	Environmental monitoring being carried out regularly and reports are maintained.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Annual report on PMCP has not been submitted so far for 2018-19. Violation being issued for the same.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	grade wise sorting within lease area	grade wise sorting being carried out within lease area	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	mechanical	mechanical	By using mobile screens.
7c	Different grade of mineral sorted out at mines.	-	-Lump ore of 55 % to 58 % fe grade	
7d	Any beneficiation process at mines	Nil	Nil	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Dry screening and manual sorting & sizing being carried out within the ML area.
----	----------------------------------------------------------------------------------------	---------------------------------------------------------------------------------

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	
8b	Concurrent use or storage of topsoil	Nil	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate waste Dump was proposed.	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	OB/waste used for back filling	Violation being issued for the same.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Some back-filling carried out.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	--	About 2150 nos. of plantation carried out in and around the ML area.	
8g	Survival rate	--	Around 70 %	
8h	Water sprinkling on roads to control airborne dust	yes	water tanker with Sprinkling being used on roads to control airborne dust	

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