

**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 : **SP01** ) **SURESH PRASAD**  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : S/SHRI. RAJU M. BORA & B.S.VARMA, MM  
Official with  
Designation
- (iv) Date of Inspection : 06-OCT-20
- (v) Prev.inspection date : 25-SEP-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
	:	MP review under 17(1) MCR 2016	24-FEB-20

## 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	No proposal	05 nos. of trial pits were carried out during 2019-20	As per the information furnished from approved RMP, the Samples drawn from the TPs were analyzed from NABL accredited laboratory.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NIL	
1d	Balance area to be explored to bring Geological axis in 1 or 2	0.1150Ha	0.1150Ha	As per the latest approved RMP.
1e	Balance reserve as on 01/04/20	As on 14.12.2019 111-140400 Te ( as per the RMP)	As on 14.12.2019 111-140400 Te ( as per the RMP)	
1f	General remarks of inspecting officers on geology, exploration etc		Small area of lease having low grade float ore deposit and already explored by in trial pits. However, exploration proposal are revised further on RMP approved on 14.12.2019 for the period 2020-21 to 2024-25.	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Excavation proposal between coordinates N-561 to N-940 and E 950 to E 1030	Excavation proposal between coordinates N-561 to N-940 and E 950 to E 1030	

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 being recovered through sorting & screening.	
2c	Stripping ratio or ore to OB ratio	1:0.57	1:0.58	
2d	Quantity of topsoil generation in m3	NIL	NIL	
2e	Quantity of overburden generation in m3	17142 te	8250 te	Achieved qty. as per the AR 2019-20.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		The deposit is low grade float ore being recovered through sorting & screening.	

---

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	14000te	
3c	Recovery of sailable/usable mineral from ROM production	Recovery of sailable/usabl e mineral from ROM production is 100%	100%	
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	Mechanical	Mechanical	
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, HEMM- VOLVO - 0.9Cum	Small capacity, HEMM- VOLVO - 0.9Cum	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	4mtr height of benches are proposed	Height of benches are maintained as proposed	
3m	Total area covered under excavation/pits	Around 1.98 ha	Around 1.98 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.57	1:0.58	
3o	Total area put in use under different heads at the end of year	2.43Ha	About 2.69 ha	
3p	Production of ROM mineral during the last five year period as applicable	2015-16-29999 Te 2016-17-29999 Te 2017-18-29999 Te 2018-19-29999 Te 2019-20-29999 Te	2015-16- Nil 2016-17- 19500 Te 2017-18 - 20000 Te 2018-19 - 29000 Te 2019-20 - 14000 Te	Figures are obtained from recent approved RMP & AR 2019-20
3q	General remarks of inspecting officers on method of mining etc.		Float Ore Mining.Opencast working is being carried out with small capacity machineries.	

## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Top soil Nil OB was proposed	Top soil Nil OB - Partly for Road Repair	Small quantity of generation of OB in float ore mining.
4b	Location of topsoil, OB and mineral reject dumps	Top Soil -Nil South Side Boundary Line	Top Soil Nil MR Nil South Side of pit	Small quantity of generation of OB in float ore mining.
4c	Number of dumps within lease area and outside of lease area	One dump proposed within Lease	Within	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	South Side of pit waste material kept	South Side of pit waste material kept	
4e	Number of active and alive dumps.	One	One	Small quantity of generation of OB in float ore mining
4f	Number of dead dumps.	NIL	NIL	
4g	Number of dumps established.	NIL	NIL	
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	NIL	
4i	Length of Retaining wall or garland drain all along dumps	No proposal	NIL	
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer on waste dump management			Small quantity of generation of OB in float ore mining. No specific dump were formed. However, small quantity of waste material kept/dumped in the mined out pit.

## 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	Waste material as generated are dumped within the part of the pit in south- western side.	
5b	Area under backfilling of mined out area	NIL	around 0.2ha	Proposal given in the latest RMP approved on 14.12.2019.
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.		Back filling was not proposed in the approved SOM. However, waste material as generated are dumped within the part of the pit in south- western side and same is proposed in the latest approved RMP.	

#### 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	Submitted	
6b	Area available for rehabilitation (ha) .	0.60 ha	0.60 ha	along the 7.5 m safety barrier of the lease boundary.
6c	afforestation done (ha).	100 nos plant	100 nos plant	along the safety barriers of 7.5 m width of lease boundary.
6d	No. of saplings planted during the year	100 nos.	100 nos.	
6e	Cumulative no .of plants		1000 nos.	along the lease boundary.

6f	Any other method of rehabilitation	NIL	NIL	Float ore mining of small capacity.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Not applicable	Not applicable	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not applicable	Not applicable	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Monitoring of core and buffer zone	Monitoring of core and buffer zone being carried out.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Small capacity mines of float ore deposit. No R&R are proposed/ achieved except plantation along the safety barreirs of width 7.5m are observed under progress.	

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise	Grade wise	Below 55 % Fe and 55-58% Fe contents.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Mechanical	
7c	Different grade of mineral sorted out at mines.	Lump ore of 55% to 58 % Fe grade	Lump ore of 55% to 58 % Fe grade	
7d	Any beneficiation process at mines	No proposal	NIL	



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

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NA	NA	
8b	Concurrent use or storage of topsoil	Separate Waste dump was proposed	NIL	Partly used for Road Repair/ backfilling
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NIL	Partly used for Road Repair/ backfilling	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	Partly used for Road Repair/ backfilling	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	100nos. year 2019-20	100 nos.	plantation along the safety barriers of 7.5 mtr width.
8g	Survival rate	75 %	75%	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Green belt development is observed along the 7.5 mtr of lease boundary. Aesthetic beauty observed around the mines office premises.	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR Submitted up to = Up to August 2020 AR Submitted up to = 2019-20	MR Submitted up to = Up to August 2020 AR Submitted up to = 2019-20	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Information of Mining Engineer/Geologist are not furnished.	Mining Engineer / Geologist are present during the inspection	Notice of appointment of Mining Engineer was submitted on 20.07.2020 and newly recruited geologist was also present during the inspection.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Opencast working-1.6 ha	Opencast working-1.98 ha	Deviation pointed out in violation.
9d	Scrutiny of Annual return on afforestation	100nos.	100nos.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing Stock:- ROM Nil Grade wise:- Below 45 % Fe- 9309.17Te 55-58% Fe - Nil	Closing Stock:- ROM Nil Grade wise:- Below 45 % Fe- 9309.17Te 55-58% Fe - Nil	Quantity observed in field.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Below 45 % Fe- 1575 Rs/T 55-58% Fe - 1575 Rs/T	Sample invoice checked and found in order.	
9h	Scrutiny of Annual return on fixed assets	Rs. 880000/-	Rs. 880000/-	Fixed asset of land furnished.
9k	Scrutiny of Annual return on mining machineries	Shovel Hydraulic(0.45 CUM)- 01 Tipper 3CUM - 01	Shovel Hydraulic(0.45 CUM)- 01 Tipper 3CUM - 01	Small capacity m/c used.

**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 35(2)	23-OCT-20			
MCDR17	Rule 45(7)(a)	23-OCT-20			

**Date :**

(SURESH PRASAD)

Indian Bureau of Mines