

**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 : P02) PREM PRAKASH
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : SHRI. SURESH B., MINES MANAGER
Official with
Designation
- (iv) Date of Inspection : 28-MAY-22
- (v) Prev.inspection date : 04-SEP-21

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 :

Mining Engineer

Name : Shri. Basavaraj, Full Time
 Qualification : B.E. (MINING ENGINEERING)
 Appointment/ : 01-JUL-20
 Termination date

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	02 DTH Holes proposed in 201-22	06 DTH Holes	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	By lessee itself	By lessee itself	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	06 DTH Holes proposed from 2022-23 to 2024-25	Being explored	-
1e	Balance reserve as on 01/04/20	As per approved RMP, reserves as on 14/12/2019 (111)=140400 te	Annual return of 2021-22, updating the reserve position has not been submitted so far.	Due date of submission of AR is up to 30.06.2022
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. & further exploration proposal has been given in approved RMP.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	proposal to work/excavate in 2021-22 between the x-section F-F' to G-G'	F-F' to G-G'	-

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No separate benches are proposed because of float ore deposit	NA	-
2c	Stripping ratio or ore to OB ratio	1:0.21	1:0.21	Te : Te
2d	Quantity of topsoil generation in m3	Not proposed	-	-
2e	Quantity of overburden generation in m3	6200 te	6200 te	As reported by Mines manager during 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

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	-
3b	Quantity of ROM mineral production proposed	29000 Mt	28900 Mt	Quantity of ROM mineral production is given as reported by Mines manager during inspection; Annual return for FY 2021-22 is not submitted till the date of inspection.
3c	Recovery of sailable/usable mineral from ROM production	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	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	N. A	-
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	3 mts height of benches are Proposed	height of benches are maintained as Proposed	-
3m	Total area covered under excavation/pits	Around 2.25 ha. proposed up to 2024-25	Around 2 ha.	-
3n	Ore to OB ratio for the pit/mine during the year.	1:0.21	1:0.21	Te : Te
3o	Total area put in use under different heads at the end of year	Around 3.02 ha. proposed up to 2024-25	About 2.9 ha.	-
3p	Production of ROM mineral during the last five year period as applicable	2017-18- 29999 2018-19- 29999 2019-20- 29999 2020-21- 28900 2021-22- 29000	2017-18- 20000 2018-19- 29000 2019-20- 14000 2020-21- 28500 2021-22- 28900	ROM production fig. is given as reported in RMP approved on 24.02.2020 & Annual 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.
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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)	NA	NA	OB/waste proposed for Back filling
4b	Location of topsoil, OB and mineral reject dumps	NA	NA	-
4c	Number of dumps within lease area and outside of lease area	NA	NA	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NA	-
4e	Number of active and alive dumps.	NA	NA	-
4f	Number of dead dumps.	NA	NA	-
4g	Number of dumps established.	NA	NA	-
4h	Whether Retaining wall or garland drain all along dumps are there.	NA	NA	-
4i	Length of Retaining wall or garland drain all along dumps	NA	NA	-
4j	Number of settling ponds	NA	NA	-

4k	Specific comments of inspecting officer on waste dump management	-	-	waste generated is proposed for backfilling/reclamation of the worked out pit area.
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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.	full extraction of mineral from mined out area before starting backfilling	full extraction of mineral from mined out area before starting backfilling	-
5b	Area under backfilling of mined out area	0.27 Ha. up to 2024-25	Around 0.005 ha. in 2021-22	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	NA	-
5d	Total area fully reclaimed and rehabilitated	NA	NA	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	waste generated is proposed for backfilling/reclamation of the worked out pit area.

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).	To be Submitted before 1st July.	to be Submitted.	-
6b	Area available for rehabilitation (ha) .	NA	NA	-

6c	afforestation done (ha).	NA	NA	-
6d	No. of saplings planted during the year	NA	NA	-
6e	Cumulative no .of plants	NA	NA	-
6f	Any other method of rehabilitation	NA	NA	-
6g	Cost incurred on watch and care during the year	NA	NA	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	0.27 Ha. up to 2024-25	-	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	-	Around 0.005 ha. in 2021-22	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	-	-	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed	-	-
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not proposed	-	-
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	200 nos.	350 Nos.	-

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.2 ha.	0.2 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 to be carried out regularly	Complied with	-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	PMCP being carried out by Plantation & backfilling/reclamation of the worked out pit area.

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	-
7c	Different grade of mineral sorted out at mines.	--	Lump ore below 55 % fe grade	-
7d	Any beneficiation process at mines	Nil	Nil	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		-	Dry screening/crushing 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	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	proposed	Some back-filling & planation was carried out.	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-	About 1500 nos. & 350 Nos.	-
8g	Survival rate	-	Around 75 %	-
8h	Water sprinkling on roads to control airborne dust	yes	water tanker with Sprinkler 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 = April 2022 AR Submitted up to = 2020-21	Annual Return of FY 2021-22 is not Submitted up to the date of inspection. Due date of submission is by 30 Jun of Proceeding Year	-

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