

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

Review and updation of Mining Plan REPORT

Goa regional office

Mine file No : KNT/BGM/LST-22/GOA

Mine code : 38KAR02028

- (i) Name of the Inspecting : **K07**) **KRISHNENDU CHATTERJEE**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : S/SHRI. SUNIL M.PATIL, LR OF LATE SHRI M.S.PATIL & GA
Official with
Designation
- (iv) Date of Inspection : 30-JUN-21
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **AWARADI (ML 2413)**
- (b) **Registration NO.** :
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : KARNATAKA
- District : BELGAUM
- Village : AVARADI
- Taluka : GOGAK
- Post office : AVARADI
- Pin Code :
- FAX No. : 08334281071
- E-mail : adarsh.minerals@rediffmail
- Phone : 09449059907
- (f) **Police Station** : Kuligod
- (g) **First opening date** : 05-APR-04
- (h) **Weekly day of rest** : TUE
2. **Address for correspondance** : M/s Adarsh Minerals
Po-Avardi-591136
Tq-Gokak, Dist-Belgaum
3. (a) **Lease Number** : KAR1368
- (b) **Lease area** : 4.85
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 17-JUL-23
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : MALLANGOUDA S. PATIL
M/s ADARSH MINERALS Po-
AWARADI, TQ-GOKAK BELGAUM
KARNATAKA
Phone:08350-364070,364071
FAX :

Owner : MALLANGOUDA S. PATIL
M/s Adarsh Minerals Po-
Avardi Tq-Gokak BELGAUM
KARNATAKA
Phone: 08350-364070,36
FAX :

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	19-MAY-03
Plan/Scheme of Mining		Modif.of approved Mining Plan	20-NOV-07
		Mining Scheme rule 12 MCDR1988	26-FEB-10
		Mining Scheme rule 12 MCDR1988	24-SEP-13
		MP review under 17(1) MCR 2016	19-MAY-21

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal	Nil during 2020-21	
1b	Exploration over lease area for geological axis 1 or 2	No proposal	G1: 2.53Ha. G3: 2.33 Ha.	Unexplored G3 areas are proposed for exploration in 2021-22.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Nil during 2020-21	Earlier exploration in 2017-18 was carried out by the lessee.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	G1 achieved in part of the ML area. Unexplored G3 areas 2.33 Ha	
1e	Balance reserve as on 01/04/20		Total reserve: 317,624 tonnes of Limestone (UNFC Cat. 111 & 121)	As on 01.04.2021
1f	General remarks of inspecting officers on geology, exploration etc			2.53 Ha. of the ML area was explored by the lessee under G1 level by drilling with 6 nos. of core boreholes drilled in 2017-18, total meterage dilled 185m. Review of Mining Plan for the period from 2018-19 to 2020-21 was not submitted by the lessee/legal hair. Also, the mine was suspended by this office on dated 14.03.2019 due to non-submission of Bank Guarantee as per the provisions of Rule 27(1) & 27(2) of MCDR, 2017 which was subsequently revoked on dated 03.08.2021 upon compliance.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	No proposal	Nil	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal	Separate benches in OB and ore maintained.	
2c	Stripping ratio or ore to OB ratio	No proposal	Nil	Mine remained suspended in 2020-21 hence no OB and ROM generated.
2d	Quantity of topsoil generation in m3	No proposal	Nil	
2e	Quantity of overburden generation in m3	No proposal	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Review of Mining Plan for the period from 2018-19 to 2020-21 was not submitted by the lessee/legal heir due to financial constraints and demise of the lessee Shri Mallanagouda S. Patil. Also, the mine was remained suspended in F.Y. 2020-21 for non-compliance of Rule 27(1) & 27(2) of MCDR, 2017.

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	Single pit proposed.	Single pit within the ML area.	Apprx. dimension of pit: 250m x 80m x 10m.
3b	Quantity of ROM mineral production proposed	No proposal	Nil	
3c	Recovery of sailable/usable mineral from ROM production	No proposal	Nil	

3d	Quantity of mineral reject generation	No proposal	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	Not applicable.	
3f	Quantity of sub grade mineral generation.	No proposal	Nil	
3g	Grade of sub grade mineral generation	No proposal	Not applicable.	
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	Earlier worked as Cat. B, Manual mine.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Nil	
3j	Provision of drilling and blasting in mineral benches	No proposal	Nil	Earlier proposed to drill by jack hammer and blasting using slurry and UNFO
3k	Provision of mining machineries in mineral benches	No proposal	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No proposal	Average Bench height 5 to 6m	
3m	Total area covered under excavation/pits	3.872 Ha. at the end of F.Y. 2017-18.	2.00 Ha. so far.	Review of Mining Plan for the period from 2018-19 to 2020-21 was not submitted by the lessee/legal hair.
3n	Ore to OB ratio for the pit/mine during the year.	No proposal	Nil	

3o	Total area put in use under different heads at the end of year	No proposal	Area under mining: 2.00 Ha. Mineral stock: 0.37 Ha. Infrastructure & Road: 0.3 Ha.	
3p	Production of ROM mineral during the last five year period as applicable	2016-17: 50,000 2017-18: 50,000 2018-19 to 2020-21: No proposals (in tonnes)	2016-17: 44,026 2017-18: 32,500 2018-19: Nil 2019-20: Nil 2020-21: Nil (in tonnes)	
3q	General remarks of inspecting officers on method of mining etc.			Review of Mining Plan for the period from 2018-19 to 2020-21 was not submitted by the lessee/legal heir due to financial constraints and demise of the lessee Shri Mallanagouda S. Patil. Also, the mine was suspended by this office on dated 14.03.2019 due to non-submission of Bank Guarantee as per the provisions of Rule 27(1) & 27(2) of MCDR, 2017 which was subsequently revoked on dated 03.08.2021 upon compliance.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal	Nil	
4b	Location of topsoil, OB and mineral reject dumps	No proposal	Nil during 2020-21	Earlier top soil was stacked along 7.5m safety barrier for plantation purpose.

4c	Number of dumps within lease area and outside of lease area	No proposal.	No dump is present within the ML area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal.	Not applicable.
4e	Number of active and alive dumps.	No proposal	Nil
4f	Number of dead dumps.	No proposal	Nil
4g	Number of dumps established.	No proposal	Not applicable.
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	Not applicable.
4i	Length of Retaining wall or garland drain all along dumps	No proposal	Not applicable.
4j	Number of settling ponds	No proposal	Nil
4k	Specific comments of inspecting officer on waste dump management		No waste dump was found present within the ML area during the course of inspection dated 30.06.2021.

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	Nil as the mine pit was not matured for backfilling.	
5b	Area under backfilling of mined out area	No proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	Nil	Earlier top soil was stacked along 7.5m safety barrier for plantation purpose.

5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Mine pit was not matured for backfilling since mineral persists at the bottom of mine workings.

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 proposal was given for F.Y. 2020-21.	The mine was under suspension in F.Y 2020-21.	
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6c	afforestation done (ha).	No proposal	Nil	Earlier 0.2 Ha. along the Southern side of the ML boundary.
6d	No. of saplings planted during the year	No proposal	50 nos. outside the ML area.	
6e	Cumulative no .of plants	No proposal	Apprx. 300 nos. along the ML boundary.	
6f	Any other method of rehabilitation	No proposal	Nil	
6g	Cost incurred on watch and care during the year	No proposal	Rs. 3000/- against plantations watch & care.	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	Not applicable	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Not applicable
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No proposal	Not applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Not applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal	Not applicable
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposal	Not applicable
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No proposal	Not applicable
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposal	Not applicable
6p	Compliance of environmental monitoring (core zone and buffer zone)	No proposal.	Last environmental monitoring was carried out in April 2021 and parameters were found within stipulated limit.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			50 nos. of saplings were planted outside the ML area during 2020-21. Earlier, 0.2 Ha. along the southern side of the ML boundary was afforested by the lessee as a part of approved progressive mine closure plan.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal	Nil	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	Nil	
7c	Different grade of mineral sorted out at mines.	No proposal	Nil	Cement grade Limestone stock of 27482.45 tonnes was reported within ML area.
7d	Any beneficiation process at mines .	No proposal	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No dispatch form the mine was reported during 2020-21. The mine was under suspension during F.Y 2020-21 and RMP for the period from 2018-19 to 2020-21 was not submitted by the lessee/legal hair.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	Nil	Top soil was earlier stacked along the 7.5m safety barrier zone for plantation.
8b	Concurrent use or storage of topsoil	No proposal	Nil	Top soil earlier used for plantation along the safety barrier zone.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Mine pit is not matured for backfilling.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Proposed	Apprx. 300 nos. saplings were planted within ML so far along the safety barrier.	
8g	Survival rate	No proposal	70 to 80%	
8h	Water sprinkling on roads to control airborne dust	No proposal	Nil	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty around the mining area is good and impact on environment due to mining is less due to small scale mining operation.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to July 2021 & A.R. Submitted up to 2020-2021	A.R of F.Y. 2020-21 was submitted on 21.07.2021.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Information are furnished as Nil.	No Mining Engineer and Geologist were found appointed.	The mine was under suspension in F.Y 2020-21.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Mining: 2.4 Infrastructure and Road: 0.16 (in Ha.)	Area under mining: 2.00 Ha. Mineral stock: 0.37 Ha. Infrastructure & Road: 0.3 Ha.	
9d	Scrutiny of Annual return on afforestation	50 nos.	50 nos. outside ML area.	
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	ROM closing stock: Nil. Graded ore closing Stock of Cement grade Limestone: 27482.45 tonnes	Old mineral stock was located near BP No. 1. No dispatch form the mine was reported during 2020-21.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Information is furnished as Nil.	The mine was under suspension in F.Y 2020-21.	
9h	Scrutiny of Annual return on fixed assets	Net closing balance is furnished as Rs. 15000,000/-	Net closing balance and estimated market values are mentioned in AR.	
9k	Scrutiny of Annual return on mining machineries	Furnished as Nil.	No mining machinery was found in the ML area during the course of inspection.	

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed		Show cause position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on

Date :

(KRISHNENDU CHATTERJEE)

Indian Bureau of Mines