

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

MCDR inspection REPORT

Goa regional office

Mine file No : KNT/BJP/LST-105/GOA

Mine code : 38KAR26088

- (i) Name of the Inspecting : VT01) VIDYADHAR V.TARI
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : SHRI. V.R.MATHAD, LESSEE
Official with
Designation
- (iv) Date of Inspection : 05-SEP-23
- (v) Prev.inspection date : 23-DEC-21

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : MUDDAPUR LIME & DOL MINE
- (b) **Registration NO.** : IBM/865/2011
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : KARNATAKA
- District : BAGALKOT
- Village : MUDDAPUR
- Taluka : MUDHOL
- Post office :
- Pin Code : 587122
- FAX No. :
- E-mail : rkt.rkm60@yahoo.com
- Phone : 9448127238,9845531062
- (f) **Police Station** :
- (g) **First opening date** : 16-OCT-14
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : VILLAGE-MUDDAPUR,
TALUKA-MUDHOL,
DISTRICT-BAGALKOT, KARNATAKA-587122.
3. (a) **Lease Number** : KAR1564
- (b) **Lease area** : 4.86
- (c) **Period of lease** : 50
- (d) **Date of Expiry** : 22-DEC-58
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : VEERENDRA R. MATHAD
 Bin R.K.Mathad Near
 Daneshwari Math Lokapur,
 Tq- Mudhol BAGALKOT
 KARNATAKA
 Phone:09448127238
 FAX :

Owner : V.R.MATHAD
 AT & PO- LOKAPUR TQ-MUDHOL
 BAGALKOT KARNATAKA
 Phone:
 FAX :

Mining Engineer

Name : Girish Ballary,Part Time
 Qualification : B.Tech (Mining),
 Appointment/ : 01-DEC-21
 Termination date

Geologist

Name : Yogesh M.Kutre,Part Time
 Qualification : MSc (Applied Geology)
 Appointment/ : 08-NOV-21
 Termination date

Manager

Name : A.H.Kuratti
 Qualification : Permit Mines Manager
 Appointment/ :
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	01-FEB-08
Plan/Scheme of Mining	:	Modif.of approved Mining Plan	30-AUG-11
	:	MP modif under 17(3) MCR 2016	05-APR-19

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No Proposal	Nil	Lessee has drilled 06 Core Boreholes for total meterage of 240m. during 2015 in the mining lease area. Entire area is covered under G1 level of exploration
1b	Exploration over lease area for geological axis 1 or 2	No exploration proposal is given for the year 2022-23.	Nil	Entire lease area is covered under G1 scale
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	Nil	Nil	The entire lease area is explored under G1 Stage
1e	Balance reserve as on 01/04/20		Total Reserves of Limestone is 0.27 million tonnes	As on 01.04.2023
1f	General remarks of inspecting officers on geology, exploration etc			No exploration proposal is given for the year 2022-23. However, entire lease area is explored by lessee and covered under G1 Stage

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	Proposal is given in the existing pit as shown over Pit Layout Plan	No Change	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not Proposed	Nil	
2c	Stripping ratio or ore to OB ratio	1:0.11	1:0.11	
2d	Quantity of topsoil generation in m3	Nil	Nil	No proposal for top soil generation
2e	Quantity of overburden generation in m3	1948 tons of intercalated waste	900 tons	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			No topsoil generation is proposed and achieved during the year 2022-23. Reject / waste (intercalated waste) handling is very less therefore no separate benches are developed.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit (Two benches)	No change.	
3b	Quantity of ROM mineral production proposed	22787 tonnes during 2022-23	10550.51 tonnes during 2022-23	Production was less for want of market
3c	Recovery of sailable/usable mineral from ROM production	95%	95%	

3d	Quantity of mineral reject generation	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil
3f	Quantity of sub grade mineral generation.	Nil	Nil
3g	Grade of sub grade mineral generation	Nil	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil
3j	Provision of drilling and blasting in mineral benches	Drilling & blasting is proposed	Jack Hammer drilling & blasting by using slurry explosives
3k	Provision of mining machineries in mineral benches	Jack Hammer: 1 No. Tractor mounted Compressor: 1 No. Tractor Trailer: 3Nos. Water Tanker: 1 No.	No Change
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of the benches proposed is 3m	No change
3m	Total area covered under excavation/pits	1.89 Ha. as per the approved RMP (plan period ending 2023-24)	1.89 Ha. as per submitted Annual Return

3n	Ore to OB ratio for the pit/mine during the year.	1:0.11	1:0.11	
3o	Total area put in use under different heads at the end of year	Total 2.65 Ha. as per the approved RMP (plan period ending 2023-24)	O/C working = 1.89 Ha. Building, Road = 0.010 Ha. as per Annual Return 2022-23	
3p	Production of ROM mineral during the last five year period as applicable	18-19 = 22787 Tons 19-20 = 22787 Tons 20-21 = 22787 Tons 21-22 = 22787 Tons 22-23 = 22787 Tons	18-19 = 20750 Tons 19-20 = 9418 Tons 20-21 = 22554.47 Tons 21-22 = 17590.51 Tons 22-23 = 10550.51 Tons	
3q	General remarks of inspecting officers on method of mining etc.			Mine is proposed and reportedly operated with jack hammer drilling and blasting.

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 for dumping serparately. Material to be used for bund formation and road repairs.	No change	
4b	Location of topsoil, OB and mineral reject dumps	No proposal.	Nil	
4c	Number of dumps within lease area and outside of lease area	Nil	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	
4e	Number of active and alive dumps.	Nil	Nil	

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			No deviation in respect of dump management was observed.

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.	Backfilling is not proposed	Nil	Mining pits are not matured for backfilling. Mineral is not exhausted from the pit.
5b	Area under backfilling of mined out area	Not proposed	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	Generation of topsoil during 2022-23 is Nil
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	

5e	General remarks of inspecting officers on backfilling and reclamation etc.	Since mineral has not been exhausted from pit / any part of the lease area, backfilling / reclamation is not envisaged
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Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	To be submitted before 1st July every year	Submitted for 2022-23	
6b	Area available for rehabilitation (ha) .	No proposal	Not applicable	Mineral is not exhausted from the pit
6c	afforestation done (ha).	0.09 Ha	0.09 Ha	90 plants reported to be planted during 2022-23 within lease area all along 7.5m safety barrier with 60% survival rate
6d	No. of saplings planted during the year	90 plants	90 plants	Planted within lease area all along 7.5m safety barrier with 60% survival rate
6e	Cumulative no .of plants	450 plants during plan period	Appx. 360 nos. planted as reported by the lessee	
6f	Any other method of rehabilitation	No proposal	Not applicable	
6g	Cost incurred on watch and care during the year	Rs.5000/-	Rs.10000/- as reported by lessee.	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	Not applicable	Mineral is not exhausted from the pit

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	90 plants reported to be planted during 2022-23 within lease area all along 7.5m safety barrier with 60% survival rate
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)		All along mining lease boundary in 7.5m safety zone
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation		By plantation
6p	Compliance of environmental monitoring (core zone and buffer zone)	Monitoring is done by private consultant	Environmental monitoring is carried out on half yearly basis through approved agency and parameters are found within stipulated limit.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	PMCP compliance and progressive closure is found to be satisfactory.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM/Mineral dispatch is proposed after manual sizing and sorting.	No change	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	ROM/Mineral sorting is done manually
7c	Different grade of mineral sorted out at mines.	Yes	BF & Cement grade Limestone is sorted out at mines	
7d	Any beneficiation process at mines	No proposal	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			During 2022-23, BF & Cement Grade limestone was dispatched after manual sizing and sorting as per the requirement

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not Proposed	No topsoil is generated during 2022-23	
8b	Concurrent use or storage of topsoil	Not Proposed	Nil	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not proposed	Generated intercalated waste is used for formation of bund along 7.5m safety zone and strengthening of mine roads within lease area.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	90 Saplings	90 plants reported to be planted during 2022-23 within lease area all along 7.5m safety barrier.	
8g	Survival rate	Not specified	60%	
8h	Water sprinkling on roads to control airborne dust	Proposed	Water sprinkling by water tanker is being carried out.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around the mining area appears to be good. Plantation is observed on 7.5m safety zone boundary.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to August'2023 & A.R. for the year 2022-23 is submitted		Submitted within time limit.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mines Manager - A.H.Kuratti Mining Engineer - Girish Ballary Mining Geologist - Yogesh Kutre	Mines Manager - A.H.Kuratti Mining Engineer - Girish Ballary Mining Geologist - Yogesh Kutre	As per the Annual Return submitted for FY 2022-23
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under O/C Working = 1.890 Road, Buildings, Infrastructure = 0.010	Covered under O/C Working = 1.890 Road, Buildings, Infrastructure = 0.010	As per the Annual Return submitted for FY 2022-23
9d	Scrutiny of Annual return on afforestation	90 plants proposed	90 plants reported to be planted within lease area all along 7.5m. safety barrier.	
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	BF Grade = 3130.582 Tons and Cement Grade = 6252.363	BF Grade = 3130.582 Tons and Cement Grade = 6252.363	As per the Annual Return submitted for FY 2022-23
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex- Mine Price of BF and Cement Grade is reported as Rs.678.00 and Rs.276.00 per tonne respectively and Production Cost is Rs. 343.95 per tonne	Ex- Mine Price of BF and Cement Grade is reported as Rs.678.00 and Rs.276.00 per tonne respectively and Production Cost is Rs. 343.95 per tonne	As per the Annual Return submitted for FY 2022-23
9h	Scrutiny of Annual return on fixed assets	Furnished	Value of fixed asset is reported to be Rs.795166	As per the Annual Return submitted for FY 2022-23

9k	Scrutiny of Annual return on mining machineries	Mining machinery details furnished	Mining machinery details furnished
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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 :

(VIDYADHAR V.TARI)

Indian Bureau of Mines