

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

MCDR inspection REPORT

Goa regional office

Mine file No : KNT/BJP/LST-91/GOA

Mine code : 38KAR26071

- (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 : 23-DEC-21
- (v) Prev.inspection date : 11-DEC-20

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : MUDDAPUR (M.L.NO.2589)
- (b) **Registration NO.** : IBM/865/2011
- (c) **Category** : A Other than Fully Mech.
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : KARNATAKA
- District : BAGALKOT
- Village : Muddapur
- Taluka :
- Post office : Lokapur
- Pin Code : 22
- FAX No. :
- E-mail : rkt.rkm60@yahoo.com
- Phone : 9845531062
- (f) **Police Station** : LOKAPUR
- (g) **First opening date** : 30-JAN-09
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : AT & PO- LOKAPUR-587122
TQ-MUDHOL
DIST- BAGALKOT, KARNATAKA
3. (a) **Lease Number** : KAR1564
- (b) **Lease area** : 4.85
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 22-DEC-28
4. **Mineral worked** : DOLOMITE Associated
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 :

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	01-FEB-08
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	05-MAY-14
		MP review under 17(1) MCR 2016	25-JAN-18

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 so far drilled 06 Core Boreholes for total meterage of 209m.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 2020-21.	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	Proved Mineral Reserves as per Approved RMP as on 01.04.2018 under 111 category is 2503655 T	Proved Mineral Reserves as per Annual Return 2020-21 under 111 category is 2442675 T	As on 01.04.2021
1f	General remarks of inspecting officers on geology, exploration etc	-	-	No exploration proposal is given for the year 2020-21. However, entire lease area is explored by lessee and covered under G1 Stage

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Proposal is given over Pit Layout Plan for 2020-21.	No Change	-

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not Proposed	Nil	-
2c	Stripping ratio or ore to OB ratio	1:0.05 in the year 2020-21	1:0.085	-
2d	Quantity of topsoil generation in m3	Nil	Nil	No proposal for top soil generation during 2020-21
2e	Quantity of overburden generation in m3	1023 cu.mt. (2558 tons of intercalated waste in the year 2020-21)	1250 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 2020-21. 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	ROM : 51,132 tons Saleable Ore : 48,575 tons during 2020-21	Produced 14678.10 tons of Limestone during 2020-21	Violation of Rule 11(1) is pointed out to lessee.
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	Jack Hammer drilling & blasting by using slurry explosives	Jack Hammer drilling & blasting by using slurry explosives	-
3k	Provision of mining machineries in mineral benches	Tractor mounted Compressor with Jack Hammer: 2 No. Tractor Trolley with water tanker: 1No. Tractor: 4 Nos. & Truck: 1 No. As per approved RMP	-	-
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	2.50 Ha. as per the approved RMP (plan period ending 2022-23)	2.050 Ha. as per Annual Return	-

3n	Ore to OB ratio for the pit/mine during the year.	1:0.05 in the year 2020-21	1:0.085	-
3o	Total area put in use under different heads at the end of year	Total 2.86 Ha. as per the approved RMP (plan period ending 2022-23)	O/C mining = 2.050 Ha. Building, Road = 0.060 Ha. as per Annual Return 2020-21	-
3p	Production of ROM mineral during the last five year period as applicable	16-17 = 33150 Tons 17-18 = 34320 Tons 18-19 = 48575 Tons 19-20 = 48575 Tons 20-21 = 48575 Tons	16-17 = 33072 Tons 17-18 = 33072 Tons 18-19 = 20779 Tons 19-20 = 25523 Tons 20-21 = 14678.10 Tons	-
3q	General remarks of inspecting officers on method of mining etc.	-	-	Mine is proposed and reportedly operated with manual operation with jack hammer drilling & blasting using slurry explosives.

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 separately. 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	-	-	Waste (intercalated waste) handling is very less, therefore no separate dump was observed and accordingly no deviation in respect of dump management was found.

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 2020-21 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 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 every year	Submitted for 2020-21	-
6b	Area available for rehabilitation (ha) .	No proposal	Not applicable	Mineral is not exhausted from the pit
6c	afforestation done (ha).	0.050 Ha	0.050 Ha.	50 plants reported to have been planted during 2020-21 within lease area with 60% survival rate - As per Annual Return
6d	No. of saplings planted during the year	100 plants	50 plants	Planted within lease area with 60% survival rate
6e	Cumulative no .of plants	500 plants during plan period (2018-19 to 2022-23)	Appx. 300 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.5000/- 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	As mineral is not exhausted from the pit reclamation and rehabilitation by backfilling is not envisaged.	-
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	50 plants reported to be planted during 2020-21 within lease area with 60% survival rate	-
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Nil	Nil	-
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)	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 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.	ROM/Mineral dispatch is after manual sizing and sorting.	-
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 2020-21, 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 2020-21	-
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 strengthening of mine roads within lease area as reported.	-
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)	100 Plants	50 plants reported to be planted during 2020-21 within lease area.	-
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. Impact on environment is less due to manual mining operations.

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 November'2021 & A.R. for the year 2020-21 is submitted	Submitted within time limit.

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mines Manager - A.H.Kuratti Nil information is furnished for Mining Engineer and Geologist	Mining Engineer and Geologist is not found appointed	Violation of Rule 55(1)(c)(ii) of MCDR'2017 is pointed out to lessee.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under O/C Working = 2.050 Road, Buildings, Infrastructure = 0.060 Waste Disposal = 0.050, Other purpose (Safety Zone, future use) = 0.750	Covered under O/C Working = 2.050 Road, Buildings, Infrastructure = 0.060 Waste Disposal = 0.050, Other purpose (Safety Zone, future use) = 0.750	As per the Annual Return submitted for FY 2020-21
9d	Scrutiny of Annual return on afforestation	100 plants proposed	50 plants reported to be planted within lease area	As per the Annual Return submitted for FY 2020-21
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 = 5719.716 Tons and Cement Grade = 5589.599	BF Grade = 5719.716 Tons and Cement Grade = 5589.599	As per the Annual Return submitted for FY 2020-21
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.708.00 and Rs.281.00 per tonne respectively and Production Cost is Rs. 314.66 per tonne	Ex- Mine Price of BF and Cement Grade is reported as Rs.708.00 and Rs.281.00 per tonne respectively and Production Cost is Rs. 314.66 per tonne	As per the Annual Return submitted for FY 2020-21
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets (in Rs) = 3841744/-	Value of Fixed Assets (in Rs) = 3841744/-	As per Annual Return submitted for FY 2020-21

9k	Scrutiny of Annual return on mining machineries	Mining machinery details furnished	Air Compressor (4.15 cum) = 1 No. Water Tanker (3000 Litre.) = 1 No	As per the Annual Return submitted for FY 2020-21
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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 11(1)	14-JAN-22			
MCDR17	Rule 55(1)(3)	14-JAN-22		07-JUL-22	

Date :

(VIDYADHAR V.TARI)

Indian Bureau of Mines