

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

MCDR inspection REPORT

Goa regional office

Mine file No : KNT/BJP/LST-99/GOA

Mine code : 38KAR26078

- (i) Name of the Inspecting : **VT01**) **VIDYADHAR V.TARI**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : S/SHRI. MANJUNATH PATIL, ME & VITTAL H.BATKURKI, PERM
Official with
Designation
- (iv) Date of Inspection : 29-JUN-21
- (v) Prev.inspection date : 02-AUG-19

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **MUDDAPUR LST. & DOL. MINE**
- (b) **Registration NO.** : **IBM/704/2011**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address :
State : KARNATAKA
District : BAGALKOT
Village : MUDDAPUR
Taluka : MUDHOL
Post office :
Pin Code :
FAX No. :
E-mail : manjunathminerals@gmail.com
Phone : 09740007762
- (f) Police Station : LOKAPUR
- (g) First opening date : 11-SEP-10
- (h) Weekly day of rest : TUE
2. Address for : VILLAGE: MUDDAPUR, TQ: MUDHOL
correspondance : DIST: BAGALKOT
KARNATAKA
3. (a) Lease Number : KAR1587
- (b) Lease area : 4.85
- (c) Period of lease : 20
- (d) Date of Expiry : 28-MAR-30
4. Mineral worked : DOLOMITE Associated
LIMESTONE Main

5. Name and Address of the

Lessee : CHANNABASAPPA A PATIL ,MAJUNATH MINERALS
P.O.LOKAPUR TQ:MUDHOL DIST:
BAGALKOT BAGALKOT KARNATAKA
Phone:
FAX :

Owner : CHANNABASAPPA A PATIL
C/O MANJUNATH ELECTRICALS
OPP. TO MAHADWAR P.O.
LOKAPUR TQ:MUDHOL BAGALKOT
KARNATAKA
Phone: 09740007762
FAX :

Mining Engineer

Name : Shri. Manjunath Patil,Full Time
Qualification : BE Mining
Appointment/ : 19-OCT-20
Termination date

Geologist

Name : P.Abhichandra,Full Time
Qualification :
Appointment/ : 26-FEB-18
Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	18-NOV-09
Plan/Scheme of Mining		Modif.of approved Mining Plan	07-NOV-14
		Mining Scheme rule 12 MCDR1988	14-MAY-15
		MP review under 17(1) MCR 2016	27-JAN-20

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 13 DTH holes during the year 2014-15 and 06 Core Boreholes in the year 2017-18 in the mining lease area.
1b	Exploration over lease area for geological axis 1 or 2	No exploration proposal is given for the year 2020-21.	Nil	-
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 0.24 Million Tonnes and Dolomite is 1.65 Million Tonnes	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. Entire lease area is covered under Geological axis 1 or 2

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Proposal is given in the existing pit as shown over Pit Layout Plan for 2020-21.	No Change	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in overburden and mineral are proposed	Separate benches are found to be maintained	-

2c	Stripping ratio or ore to OB ratio	1:0.05 in the year 2020-21	1:0.05	Combined for Limestone & Dolomite
2d	Quantity of topsoil generation in m3	3129 m3 in the year 2020-21	Nil	BD 1.8 tonne/m3
2e	Quantity of overburden generation in m3	4048 tons of intercalated waste in the year 2020-21	3200 tons	BD 2.0 tonne/m3
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	Overburden / Waste is mainly intercalated waste within Limestone and Dolomite bands (5% by volume).

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single pit	As per the proposal, only single pit is available / present	-
3b	Quantity of ROM mineral production proposed	Limestone - 25000 tons and Dolomite - 75000 tons during 2020-21	Limestone - Nil and Dolomite - 63000 tons during 2020-21	Limestone is not produced due to lack of market demand for Limestone & COVID'19 situation as stated by the lessee. Violation of Rule 11(1) in this regard is pointed out
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	Semi / Other than Fully Mechanised Mining is proposed	Semi / Other than Fully Mechanised Mining	-
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: 2 Nos. Tractor mounted Compressor: 2 Nos. Excavator: 1 No. Tippers: 2 Nos. 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 6m	Average height 5m to 6m is maintained	-
3m	Total area covered under excavation/pits	2.53 Ha*	2.26 Ha	* As per the approved RMP (plan period ending 2024-25)
3n	Ore to OB ratio for the pit/mine during the year.	1:0.05	1:0.05	-
3o	Total area put in use under different heads at the end of year	Total 4.0 Ha. as per the approved RMP (plan period ending 2024-25)	Total 3.56 Ha. at the start of plan period i.e., 2020-21	-

3p	Production of ROM mineral during the last five year period as applicable	Limestone 16-17 = 25000 Tons 17-18 = 25000 Tons 18-19 = 25000 Tons 19-20 = 25000 Tons 20-21 = 25000 Tons Dolomite 16-17 = 75000 Tons 17-18 = 75000 Tons 18-19 = 75000 Tons 19-20 = 75000 Tons 20-21 = 75000 Tons	Limestone 16-17 = 16000 Tons 17-18 = 21500 Tons 18-19 = 8500 Tons 19-20 = Nil 20-21 = Nil Dolomite 16-17 = 24000 Tons 17-18 = 64000 Tons 18-19 = 39233 Tons 19-20 = 24500 Tons 20-21 = 63000 Tons	-
3q	General remarks of inspecting officers on method of mining etc.	-	-	It was reported by lessee that due to COVID-19 pandemic and lack of demand for Limestone in open market, Limestone is not produced during 2020-21. Violation of Rule 11(1) is pointed out to lessee.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Dumping of topsoil and waste is proposed separately	No change	-
4b	Location of topsoil, OB and mineral reject dumps	Waste dumping is proposed on the North Western side of the lease area.	No change in the location of waste dumping	-
4c	Number of dumps within lease area and outside of lease area	Dump proposed within lease area = 01 and outside lease area = 00	Dump within lease area = 01 and outside lease area = 00	-

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Proposed within UPL (North Western side)	Temporary dump is located within UPL	-
4e	Number of active and alive dumps.	01	01	-
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.	Yes	Yes	-
4i	Length of Retaining wall or garland drain all along dumps	-	-	-
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	No part of the lease area has matured for backfilling
5b	Area under backfilling of mined out area	Nil	Nil	-
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.	-	-	Backfilling / Reclamation has not been envisaged since mineral has not been exhausted from any part of the lease area.
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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).	Before 1st July every year	Not Submitted	Violation issued in this regard
6b	Area available for rehabilitation (ha) .	No proposal	Not applicable	-
6c	afforestation done (ha).	0.10 Ha	100 plants reported to be planted during 2020-21 within lease area all along 7.5m safety barrier with 90% survival rate	-
6d	No. of saplings planted during the year	50 plants proposed	100 plants reported to be planted during 2020-21 within lease area all along 7.5m safety barrier with 90% survival rate	-
6e	Cumulative no .of plants	250 plants during plan period	-	-
6f	Any other method of rehabilitation	No proposal	Not applicable	-
6g	Cost incurred on watch and care during the year	-	-	-
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	-	100 plants reported to be planted during 2020-21 within lease area all along 7.5m safety barrier with 90% 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 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 carried out in accordance with the approved Review and Updation of Mining 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	Gradewise mineral dispatch is proposed	Gradewise dispatch of mineral is done after crushing, sizing and sorting.	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanised	Mechanised	Crusher and screen is installed for sizing and screening of ore
7c	Different grade of mineral sorted out at mines.	Yes	Different grade of mineral sorted out at mines	-
7d	Any beneficiation process at mines .	Dry processing of mineral like crushing and screening is proposed	Dry processing of mineral like crushing and screening is done.	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	Mineral processing by only dry crushing & screening is being carried out for grade wise sorting of ore

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed	No topsoil is generated during 2020-21	-
8b	Concurrent use or storage of topsoil	Concurrent utilization of topsoil is proposed	Nil	-

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed	Separate waste dump is maintained as per the proposal.	-
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)	Proposed	During 2020-21, 100 plants reported to be planted within lease area all along 7.5m safety barrier.	-
8g	Survival rate	Not specified	90%	-
8h	Water sprinkling on roads to control airborne dust	Proposed	Water sprinkling by water tanker is being carried out on regular basis	-
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

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	-	M.R. Submitted up to May'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	Mining Engineer is not indicated	Mining Engineer though appointed is not updated in the Annual Return	Notice of appointment of Mining Engineer w.e.f. 19.10.2020 is submitted on 27.10.2020
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under O/C Working = 2.26 Used for Waste Disposal = 0.070 Road, Buildings, Infrastructure = 1.320 Other purpose (Future use, Safety Zone) = 1.22	Covered under O/C Working = 2.26 Used for Waste Disposal = 0.070 Road, Buildings, Infrastructure = 1.320 Other purpose (Future use, Safety Zone) = 1.22	As per the Annual Return submitted for FY 2020-21
9d	Scrutiny of Annual return on afforestation	50 plants proposed	100 plants reported to be planted during 2020-21 within lease area with 90% survival rate	-
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Mineral reject not generated during 2020-21	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	BF Grade Limestone = 36439.164 Tons and Dolomite = 12343.568 tons	BF Grade Limestone = 36439.164 Tons and Dolomite = 12343.568 tons	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 Dolomite is reported as Rs.436.54 per tonne and Production Cost is Rs. 332.00 per tonne	Ex- Mine Price of Dolomite is reported as Rs.436.54 per tonne and Production Cost is Rs. 332.00 per tonne	As per the Annual Return submitted for FY 2020-21
9h	Scrutiny of Annual return on fixed assets	Not mentioned	Lessee is advised to fill fixed assets in Annual Return	-
9k	Scrutiny of Annual return on mining machineries	Mining machinery details furnished	Air Compressor = 1 No. Tipper = 1 No. Shovel (Hydraulic) = 1 No	As per the Annual Return submitted for FY 2020-21

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
MCDR17	Rule 11(1)	16-JUL-21			
MCDR17	Rule 26(2)	16-JUL-21			
MCDR17	Rule 35(2)	16-JUL-21			

Date :

(VIDYADHAR V.TARI)

Indian Bureau of Mines