

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

MCDR inspection REPORT

Goa regional office

Mine file No : KNT/BGK/LST-51/GOA

Mine code : 38KAR26021

- (i) Name of the Inspecting : **NKK**) **NARESH KUMAR KATARIYA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Mr. M Soheb -Mining Engr and other staff.
Official with
Designation
- (iv) Date of Inspection : 07-OCT-23
- (v) Prev.inspection date : 10-DEC-20

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **MUDDAPUR (ML 2316)**
- (b) **Registration NO.** : **IBM/688/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : KARNATAKA
District : BAGALKOT
Village : MUDDAPUR
Taluka : MUDHOL
Post office : MUDDAPUR
Pin Code : 587122
FAX No. : 08350-202010
E-mail : svdeogiri@gmail.com
Phone : 08350-202010
- (f) Police Station : Mudhol
- (g) First opening date : 10-DEC-01
- (h) Weekly day of rest : TUE
2. Address for : Muddapur Limestone Mine of Shri S.V. Deogiri
correspondance At- Muddapur
Tq- Mudhol, Dist- Bagalkot
3. (a) Lease Number : KAR1320
- (b) Lease area : 10.83
- (c) Period of lease : 50
- (d) Date of Expiry : 05-SEP-51
4. Mineral worked : LIMESTONE Main
DOLOMITE Associated

5. Name and Address of the

Lessee : SHREE AMBA MINERALS
 Shri S.V. Deogiri At-
 Muddapur Tq- Mudhol
 BAGALKOT KARNATAKA
 Phone:08350-47150
 FAX :

Owner : S.V. DEOGIRI
 SHREE AMBA MINERALS At-
 Muddapur, Tq- Mudhol Dist-
 Bagalkot BAGALKOT KARNATAKA
 Phone: 08350-47150
 FAX :

Mining Engineer

Name : Mohamed Shoheb Dangi, Full Time
 Qualification : BE-MINING
 Appointment/ : 20-APR-19
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	03-SEP-99
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	09-MAY-07
	:	Modif.approved Mining Scheme	24-JUN-10
	:	Mining Scheme rule 12 MCDR1988	03-AUG-12
	:	MP modif under 17(3) MCR 2016	03-FEB-17
	:	MP review under 17(1) MCR 2016	24-JUN-22

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration proposal in 2022-23.	NIL	--
1b	Exploration over lease area for geological axis 1 or 2	Nil	G1: 10.83 Ha.	Entire ML area was explored by the lessee under G1 level.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Nil	Earlier exploration was carried out by M/s Geotech Exploration, Nagpur.
1d	Balance area to be explored to bring Geological axis in 1 or 2	G1 proposed.	G1 achieved for entire ML area.	--
1e	Balance reserve as on 01/04/20	Limestone: 1.13 Million Tonnes Dolomite: 2.38 Million Tonnes	Limestone: 1.142 Million Tonnes Dolomite: 2.42 Million Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			Entire ML area was explored by the lessee under G1 level by drilling with 7 nos. of core boreholes drilled in 2016. Total meterage drilled was 230m. Mine reopened on 16th Nov 2022 hence less production reported by the lessee.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	E 534755 534888 N1793340 N1793275	E E 534866 N1793375 Dolomite: E 534737 N1793364	Limestone: E 534923 N1793335 E 534814 N1793326	No change in location.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in ore proposed.		Separate benches ore maintained.	
2c	Stripping ratio or ore to OB ratio	1:0.42		1:0.1	Mine development is less than the approved document. Violation pointed out for the same.
2d	Quantity of topsoil generation in m3	Not In Proposal		Nil	
2e	Quantity of overburden generation in m3	2473 m3		NIL	Mine development is less than the approved document. Violation pointed out for the same.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc				OB Waste consists of mainly by intercalated waste within Limestone ROM. Actual generation of waste was less. VL issued for the same.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single pit proposed.	Single pit.	
3b	Quantity of ROM mineral production proposed	Limestone:1500 OMT Dolomite: 45000MT	Limestone:5500MT Dolomite: 5000MT	

3c	Recovery of sailable/usable mineral from ROM production	70%	100%	
3d	Quantity of mineral reject generation	13500Tonnes	2650Tonnes	Mine reopened on 16th Nov 2022 hence less production reported by the lessee.
3e	Grade of mineral rejects generation and threshold value declared.	Not proposed	NIL	
3f	Quantity of sub grade mineral generation.	NA	NA	
3g	Grade of sub grade mineral generation	NA	NA	
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.	No proposal.	Nil	
3j	Provision of drilling and blasting in mineral benches	Jack Hammer drilling & Blasting	Jack Hammer drilling & Blasting	
3k	Provision of mining machineries in mineral benches	Proposed small capacity mining machineries.	Small capacity machineries deployed.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3m bench height proposed.	Average height 3m is maintained	

3m	Total area covered under excavation/pits	5.40 Ha. at the end of F.Y. 2022-23.	5.40 Ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.42	1:0.1	
3o	Total area put in use under different heads at the end of year	Pit - 5.40 Ha. Dump - 0.75 Ha Others - 2.66 Ha	Pit - 5.4 Ha. Dump - 0.75 Ha Others - 2.66 Ha	
3p	Production of ROM mineral during the last five year period as applicable	2018-19:100000 2019-20:100000 2020-21:100000 2021-22:100000 2022-23:60000 (in tonnes)	2018-19:20000 2019-20:20000 2020-21:18500 2021-22:11250 2022-23:10500 (in tonnes)	Mine development is less than the approved document. Violation pointed out for the same.
3q	General remarks of inspecting officers on method of mining etc.			Mine reopened on 16th Nov 2022 hence less production reported by the lessee.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Waste was proposed for strengthening of mine haul roads, safety bund construction and for surface dumping.	Surface dumping was not found to be carried out at designated area.	Violation under rule 11(1) of MCDR 2017 was issued for the same.
4b	Location of topsoil, OB and mineral reject dumps	North side of mining pit within the Lease area	North side of mining pit within the Lease area	
4c	Number of dumps within lease area and outside of lease area	Lease area = 1 Non Lease area =0	Lease area = 1 Non Lease area =0	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	E534800 E534850 N1793275 N1793365	E534920 N1793310	E534880 N1793375
4e	Number of active and alive dumps.	Active - one Inactive - nil	Active - one Inactive - nil	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	One	One	
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil	Nil	
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil	
4j	Number of settling ponds	--	1	
4k	Specific comments of inspecting officer on waste dump management			

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 Back filling Proposed	No Back filling done	
5b	Area under backfilling of mined out area	No Back filling Proposed	No Back filling	

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	
5d	Total area fully reclaimed and rehabilitated	Not in 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).	Proposed.	Not Submitted	VL issued for the same.
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6c	afforestation done (ha).	0.16 Ha.	Cumulative 1.00 Ha. along the safety barrier zone.	
6d	No. of saplings planted during the year	Nil	Nil	
6e	Cumulative no .of plants	Not Specified	Apprx. 4000 nos. along the safety barrier zone.	
6f	Any other method of rehabilitation	No proposal	Nil	
6g	Cost incurred on watch and care during the year	Not specified.	Nil	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	Nil

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed	Environmental monitoring is carried out periodically and parameters are found within stipulated limit.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Violation of rule 26(2) was issued to the lessee for non-submission of Annual report on PMCP

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM dispatch proposed after sizing and sorting.	ROM & grade wise dispatch after sizing and sorting.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual sorting and sizing of ROM.	
7c	Different grade of mineral sorted out at mines.	Proposed for all +34% CaO.	+34% Cao to - 45% Cao	
7d	Any beneficiation process at mines .	No proposal	Nil except manual sorting and sizing.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not in Proposal	No top soil generation during 2022-23.	
8b	Concurrent use or storage of topsoil	Not in Proposal	Not applicable.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	One Dump for intercalate waste	One Dump for intercalate waste	
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)	Proposed during conceptual stage.	Not applicable as of now.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	160 nos.	160 Nos within Lease area in the RY	Apprx. 4000 nos. plantations carried out along the safety barrier zone.
8g	Survival rate	55-65%	55-65%	
8h	Water sprinkling on roads to control airborne dust	Proposed.	Water tanker arrangement for water sprinkling on mine roads has been made.	Aesthetic beauty around the mining area is good and impact on environment is less due to small scale mining operation

8i General remarks
of inspecting
officer on
aesthetic beauty
in and around
mines area

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Yes	MR Submitted in time AR Submitted up to = 2022-23	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	Mohamed Shoheb Dangi, Mining Engineer, 20/04/2019 Sandesh J, Geologist., 02/11/2021	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	Under Pit: 5.39 Ha Dumps: 0.75 Ha Road: 0.30 Ha Safety Barrier/green belt: 1.0 Ha	
9d	Scrutiny of Annual return on afforestation	Yes	160No's within lease area	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Yes	NIL	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Yes	Found in order	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Yes	Annual Returns on Sale Value Rs. 52,62,586/- Ex-mine price : 585.30/- Production Cost : 388/- Per ton	

9h	Scrutiny of Annual return on fixed assets	Yes	18,00,000/-
9k	Scrutiny of Annual return on mining machineries	Yes	Tractor - 1 No's Compressor- 1 No's Water Tanker - 1 No's

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)	26-APR-24			
MCDR17	Rule 26(2)	26-APR-24			

Date :

(NARESH KUMAR KATARIYA)

Indian Bureau of Mines