

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT 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 : **SP01**) **SURESH PRASAD**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : **SHRI.MOHAMMED S.DANGI,MM & ME**
Official with
Designation
- (iv) Date of Inspection : 10-DEC-20
- (v) Prev.inspection date : 07-JAN-19

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 : 10.64
- (c) Period of lease : 20
- (d) Date of Expiry : 05-SEP-21
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 : S.D.NAIK, Full Time
 Qualification : PUC, Mines Foreman Certificate
 Appointment/ : 01-OCT-07
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Fresh under rule 22 MCR1960	03-SEP-99
		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

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Not applicable	
1b	Exploration over lease area for geological axis 1 or 2	No Proposal	NIL	Entire area covered under G1 level of exploration
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not applicable	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	Entire area covered under G1 level of exploration
1e	Balance reserve as on 01/04/20	As per MMP approved on 03.2.2017 :- 1.213 MT under 111 category.	1.18 MT	MT- million Tonnes
1f	General remarks of inspecting officers on geology, exploration etc		Entire lease area covered under G1 level of exploration. Intercalated waste available.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	E 534775 E 534912 N1793278 N1793458	E534750 E554925 N1793300 N1793425	EC limit for Limestone is 15000T, however, proposal given for 40000 T for obtaining the revised EC.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes	
2c	Stripping ratio or ore to OB ratio	1:0.42	1:0.25	Te : Te (EC limit for Limestone is 15000T, however, proposal given for 40000 T for obtaining the revised EC.)

2d	Quantity of topsoil generation in m3	NIL	NIL
2e	Quantity of overburden generation in m3	Quantity of overburden generation in m3 6594CUM	2500 CUM
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Proposal for extraction of Ore and waste were given in the approved MMP for enhancing the exiting EC limit. However, not yet granted the revised EC.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	40,000tonnes	15000Tonnes	Production restricted within EC limit. However, proposal was given for 40,000 T for obtaining the revised EC.
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	No Proposal	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	Not applicable	
3f	Quantity of sub grade mineral generation.	No Proposal	Not applicable	
3g	Grade of sub grade mineral generation	Not applicable	Not applicable	
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	OTFM	OTFM	Small capacity machineries.
3m	Total area covered under excavation/pits	5.4 Ha at the end of plan period(31.03.2022)	5.20 Ha(As per the AR 2019-20)	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.42	1:0.25	Te : Te (EC limit for Limestone is 15000T, however, proposal given for 40000 T for obtaining the revised EC.)
3o	Total area put in use under different heads at the end of year	At the end of Plan Period(31.03.2022) Pit - 5.4 Ha. Dump - 0.75 Ha Others - 2.66 Ha	As on 1.4.2020 Pit 5.20 Ha. Dump & storage - 1.36 Ha Others - 1.30 Ha	
3p	Production of ROM mineral during the last five year period as applicable	Limestone in Tones 2019-20 : 40000 2018-19 : 40000 2017-18 : 40000 2016 - 17: 35000 2015- 16 : 35000	2015- 16 : 15000 2016 - 17: 15000 2017-18 : 15000 2018-19 : 15000 2019-20 : 15000	Production of Dolomite,5000T reported in the AR 2019-20.
3q	General remarks of inspecting officers on method of mining etc.		Exiting EC limit for Limestone is 15000T, however, proposal given for 40000 T for obtaining the revised EC. Accordingly production figures are achieved within the EC.	

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	Yes	
4b	Location of topsoil, OB and mineral reject dumps	North side of mining pit within the Lease area	NIL	No top soil and Mineral reject proposed/ achieved.
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	Deviation observed, hence Violation issued.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	E534800 E534850 N1793625 N1793550	E534820 E534760 N1793630 N1793570	Observed waste dumping in unspecified area. Violation issued.
4e	Number of active and alive dumps.	Active - one Inactive - nil	Active - one Inactive - nil	
4g	Number of dumps established.	One	One	
4h	Whether Retaining wall or garland drain all along dumps are there.	=	55m Parapet wall along the 7.5m safety zone at Northeast side.	
4i	Length of Retaining wall or garland drain all along dumps		350m Garland Drain & Parapet wall	
4j	Number of settling ponds	one	One	
4k	Specific comments of inspecting officer on waste dump management		Deviation observed in location of waste disposal , therefore violation issued.	

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	NIL	Mineral not exhausted from the pit.
5b	Area under backfilling of mined out area	No Back filling Proposed	Not applicable	

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not applicable	Not applicable	Area not matured for backfilling
5d	Total area fully reclaimed and rehabilitated	No Back filling Proposed	Not applicable	Area not matured for backfilling
5e	General remarks of inspecting officers on backfilling and reclamation etc.		Minerals are not exhausted. No any part of the area is matured for backfilling.	

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).	Yes	Yes	
6b	Area available for rehabilitation (ha) .	NIL	NIL	Area not matured for backfilling/rehabilitation.
6c	afforestation done (ha).		160 nos sapling done for green belt developement in the year 2019-20.	
6f	Any other method of rehabilitation	No proposal	NIL	Mineral not exhausted from the pit.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not applicable	Not applicable	Mineral not exhausted from the pit.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not applicable	Not applicable	

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not applicable	Not applicable	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not applicable	Not applicable	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Not applicable	Not applicable	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not applicable	Not applicable	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not applicable	Not applicable	
6p	Compliance of environmental monitoring (core zone and buffer zone)	yes	Monitoring of Environmental (core zone & buffer zone)	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Minerals are not exhausted. No any part of the area is matured for reclamation/Rehabilitation. Plantation for green belt development are under progress.	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	+35% Cao to - 45% Cao	+35% Cao to - 45% Cao
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual
7c	Different grade of mineral sorted out at mines.	+35% Cao to - 45% Cao	+35% Cao to - 45% Cao
7d	Any beneficiation process at mines	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Manual sorting of ROM are being carried out.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Yes	
8b	Concurrent use or storage of topsoil	Proposed to use for bund creation and plantation on bunds	use for bund creation and plantation on bunds	
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	Nil	

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)	160 Nos	160 Nos	within Lease area for the year 2019-20. & cummulative 2140Nos Inside Lease. 1Ha Inside lease area.
8g	Survival rate	55-65%	60%	
8h	Water sprinkling on roads to control airborne dust	3KLD capicity water tanker	yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Lessee has developed good plantations area around the lease and in the office premises.	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR Submitted up to = Nov 2020 AR Submitted up to = 2019 - 20	MR Submitted up to = Nov 2020 AR Submitted up to = 2019 - 20	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mohamed Shoheb Dangi, Mines Manager.	Mining Engineer with degree in Mining Engg has appointed.	Violation issued for appointment of Geologist.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Under Pit: 5.20 Ha Dumps: 1.3 Ha Road and others : 1.36 Ha	Under Pit: 5.20 Ha Dumps: 1.3 Ha Road and others : 1.36 Ha	Shown in AR 2019-20.

9d	Scrutiny of Annual return on afforestation	160No's within lease area	160No's within lease area	Observed that the mine area is developed with good plantations
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	Limestone ROM stock- Nil Grade wise- 5126.16 te	Limestone ROM stock- Nil Grade wise- 5126.16 te	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine price : 529.80/- Rs/te Production Cost : 275/- Per ton	The domestic sale of mineral were carried out to the some buyers without having registration number as allotted by Indian Bureau of Mines	Violation issued.
9h	Scrutiny of Annual return on fixed assets	18,00,000/-	Rs. 18,00,000/-	
9k	Scrutiny of Annual return on mining machineries	Tractor - 1 No's Compressor- 1 No's Water Tanker - 1 No's	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)	01-JAN-21			
MCDR17	Rule 45(7)(a)	01-JAN-21			
MCDR17	Rule 55(1)(3)	01-JAN-21			

Date :

(SURESH PRASAD)

Indian Bureau of Mines