

**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 : **K02**) **KALMATA M.K.**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Shri S.D.Naik, Mines Manager.
Official with
Designation
- (iv) Date of Inspection : 15/02/2018
- (v) Prev.inspection date : 15/12/2014

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **MUDDAPUR (ML 2316)**
- (b) **Registration NO.** :
- (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 : 10/12/2001
- (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 : 05/09/2021
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/ : 01/10/2007
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	03/09/1999
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	09/05/2007
		Modif.approved Mining Scheme	24/06/2010
		Mining Scheme rule 12 MCDR1988	03/08/2012
		MP modif under 17(3) MCR 2016	03/02/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	Entire area is explored under G-1 level.
1b	Exploration over lease area for geological axis 1 or 2	Nil	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	Entire area is explored under G-1 level of exploration.
1e	Balance reserve as on 01/04/20		Limestone Reserves - 789174 tons Remaining Resource s- 804174 tons	
1f	General remarks of inspecting officers on geology, exploration etc		Entire area is explored under G-1 level of exploration and no exploration is proposed in the present plan period.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	There was a proposal to work between co-ordinates N-1793330 to N-1793470 and E-534810 to E-534910 (For limestone)	Working has been also carried out in the southern portion of the lease area where there is no such proposal in the approved document.	Violation is pointed out for the same.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Benches were proposed in ore only.	Benches were made as per the proposal.	
2c	Stripping ratio or ore to OB ratio	1:0.42	1:0.32 (upto Jan 18)	

2d	Quantity of topsoil generation in m3	Nil	Nil
2e	Quantity of overburden generation in m3	6593	2000 (upto Jan 18)
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		The working has been not carriedout as per the proposal. Some working has been carriedout in the southern part of the lease area where there was no such proposal in the approved document and violation is pointedout for the same.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	working has been carriedout in two places	violation is pointedout for the same.
3b	Quantity of ROM mineral production proposed	40000 tons (lime stone)	12500 tons upto jan-18	Lessee has not obtained EC for enhanced production. hence production is not achieved as per the proposal.
3c	Recovery of sailable/usable mineral from ROM production	70%	80 to 85%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	Not applicable	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
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.	Nil	Nil
3j	Provision of drilling and blasting in mineral benches	yes	yes
3k	Provision of mining machineries in mineral benches	One excavator was proposed.	On the day of inspection the mine was not working due to local holiday and no machineries were observed in the mineral bench.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3 mtr bench height was proposed.	Bench heights were maintained as per the proposal.
3m	Total area covered under excavation/pits		About 6.00 to 6.5 ha area is covered under pits.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.42	1:0.32 (upto Jan 18)
3o	Total area put in use under different heads at the end of year		Area under mining-6.00 to 6.5 ha. waste dump- 0.62Ha and infrastructure 0.55Ha.
3p	Production of ROM mineral during the last five year period as applicable	Limestone 2017-18 40000 tons 2016-17 35000 tons 2015-16 35000 tons 2014-15 35000 tons 2013-14 35000 tons	2017-18 12500 tons (upto Jan-18) 2016-17 15000 tons 2015-16 15000 tons 2014-15 15000 tons 2013-14 15000 tons

3q General remarks of inspecting officers on method of mining etc.

The benches were maintained as per the proposal and working is not carried out in the single pit as proposed in the approved document and violation is pointed out for the same.

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Only OB dump proposed.	No Topsoil and Mineral reject was generated in the present plan period and waste generated during the year 2017-18 is dumped separately.	
4b	Location of topsoil, OB and mineral reject dumps	It was proposed to dump waste in 7.5mtr safety zone for formation of bund.	Dumping was made in the south western part of the lease area.	Dumping was not made as per the proposal and violation is pointed out for the same.
4c	Number of dumps within lease area and outside of lease area	In the approved plan dumping was proposed in the 7.5 mtr safety zone for the year 2017-18.	Dumping was made in the south western part of the lease area.	Two waste dumps were observed within the lease area and one ramp outside the lease area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)		Dumps are located outside the UPL.	
4e	Number of active and alive dumps.	Dumping was proposed in the 7.5mtr safety zone for the year 2017-18.	One	
4f	Number of dead dumps.		Nil	
4g	Number of dumps established.		Two	
4h	Whether Retaining wall or garland drain all along dumps are there.	No retaining wall is proposed	Nil	Retaining walls are constructed in the western part and northern part of the lease area.

4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil	No retaining walss are constructed in the year 2017-18.
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management		In the year 2017-18 there was a proposal to dump waste in the 7.5 mtr safety zone, but dumping of waste was not made as per the proposal and violation is pointedout for the same.	

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.		Ore is not extracted upto the proved depth and no backfilling is proposed in the present plan period.	
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.		The mineral is not extracted upto the proved depth and no backfilling is proposed in the present plan period.	

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).		Lessee has submitted report on PMCP for the year 2016-17.
6b	Area available for rehabilitation (ha) .	Nil	Nil
6c	afforestation done (ha).	0.16Ha	0.19Ha
6d	No. of saplings planted during the year	160	190
6e	Cumulative no .of plants		approximately 1200 to 1500
6f	Any other method of rehabilitation	Nil	Nil
6g	Cost incurred on watch and care during the year	8000	8000
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Nil	Nil
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	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)		Lessee is regularly monitoring air, water and sound and all the parameters are within permissible limit.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Lessee is submitted annual returns on PMCP for the year 2016-17. Lessee is regularly monitoring air, water and sound and all the parameters are within permissible limit.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area		About 13692 tons of BF grade ore is despatched from the mine in the year 2016-17.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	

7c	Different grade of mineral sorted out at mines.		BF grade and cement grade.
7d	Any beneficiation process at mines	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Lessee is suitably blending lowgrade with high grade as per the market requirement.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	
8b	Concurrent use or storage of topsoil	Nil	Nil	No topsoil generated in the present plan period.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)		Waste rock and waste is dumped separately. In dump also some ore is there and lessee is advise to recover the same by screening and by hand picking.	
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)	Lessee has planted about 300 to 400 plants from last five years.
8g	Survival rate	50 to 60%
8h	Water sprinkling on roads to control airborne dust	Lessee is using tractor mounted water tanker for dust suppression .
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Benches were systematically maintained and plantation is made along the 7.5 mtr safety zone. Dump is not made as per the proposal and violation is pointed out for the same.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Lessee is regularly submitting monthly and annual returns.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details of Mining enginner and Geologist is given as nil.	Lessee has not appointed mining engineer and Geologist and violation is pointed out for the same.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under mining 6.21 ha,	Area under mining- 6.21Ha, waste disposal- 0.617ha and infrastructure-0.55ha.	
9d	Scrutiny of Annual return on afforestation	50 plants	Plantation was made as shown in the returns.	
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	About 1450 tons of limestone ore is shown under the stock.	Ore stock was almost matching.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value is shown between Rs 408 to 477/ton, Exmine price is shown as Rs-412/ton, cost of production-Rs 225/ton.	Satisfactory.
9h	Scrutiny of Annual return on fixed assets	Annual return on fixed assets is shows as Rs 18 lakhs.	
9k	Scrutiny of Annual return on mining machineries	Only air compressor is shown.	The mine was not working on the day of inspection due to local jatra and no machineries were observed.

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)	01/03/2018		MCDR17 Rule 11(1)	01/03/2018	
MCDR17 Rule 27(1)	01/03/2018		MCDR17 Rule 27(1)	01/03/2018	
MCDR17 Rule 27(2)	01/03/2018		MCDR17 Rule 27(2)	01/03/2018	
MCDR17 Rule 31(4)	01/03/2018		MCDR17 Rule 31(4)	01/03/2018	
MCDR17 Rule 55(1)(3)	01/03/2018		MCDR17 Rule 55(1)	01/03/2018	

Date :

(KALMATA M.K.)

Indian Bureau of Mines