

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

MCDR inspection REPORT

Goa regional office

Mine file No : KNT/BJP/LST-68/GOA

Mine code : 38KAR26050

- (i) Name of the Inspecting : **SP01**) **SURESH PRASAD**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Shri. Syed A.Pasha, MM & ME
Official with
Designation
- (iv) Date of Inspection : 07-OCT-20
- (v) Prev.inspection date : 26-SEP-19

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SULIKERI (ML 2391)**
- (b) **Registration NO.** : **IBM/694/2011**
- (c) **Category** : **A Other than Fully Mech.**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **KARNATAKA**
- District : **BAGALKOT**
- Village : **SULIKERI**
- Taluka : **BADAMI**
- Post office :
- Pin Code :
- FAX No. : **08354-222126**
- E-mail : **raikarmines@gmail.com**
- Phone : **9480533560**
- (f) **Police Station** : **BAGALKOT**
- (g) **First opening date** : **01-APR-03**
- (h) **Weekly day of rest** : **TUE**
2. **Address for** : **Smt. V.S.Raikar**
correspondance **C/o-Vijayalaxmi Jewellers**
Vallabhai Chowk, Bagalkot-587101
3. (a) **Lease Number** : **KAR1477**
- (b) **Lease area** : **10.55**
- (c) **Period of lease** : **20**
- (d) **Date of Expiry** : **12-MAR-23**
4. **Mineral worked** : **DOLOMITE** **Associated**
LIMESTONE **Main**

5. Name and Address of the

Lessee : VIJAYALAXMI S.RAIKAR
 C/o Vijayalaxmi Jewellers
 Vallabhai Chowk BAGALKOT
 KARNATAKA
 Phone:0835-2420456
 FAX :

Owner : SMT. V.S.RAIKAR
 C/o- Vijayalaxmi Jewellers
 Vallabhai Chowk Bagalkot
 BAGALKOT KARNATAKA
 Phone: 08354-220456
 FAX :

Mining Engineer

Name : Bandi Prabhakar Reddy, Full Time
 Qualification : Diploma in Mining Engg & Second Class Ma
 Appointment/ : 01-JAN-12
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Fresh under rule 22 MCR1960	01-OCT-02
		Modif.of approved Mining Plan	12-APR-06
		Modif.of approved Mining Plan	29-DEC-06
		Mining Scheme rule 12 MCDR1988	02-JUL-09
		Mining Scheme rule 12 MCDR1988	26-AUG-13
		MP modif under 17(3) MCR 2016	05-APR-18

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	05 nos.	Not achieved	Violation issued
1b	Exploration over lease area for geological axis 1 or 2		5.84 Ha G1 Scale	
1c	Exploration Agencies and Expenditure in lakh rupees during the year		Not uncurrred in the year 2019-20	
1d	Balance area to be explored to bring Geological axis in 1 or 2	4.76 Ha	4.76 Ha	
1e	Balance reserve as on 01/04/20		Reserves :- Limestone 111=184586 te Dolomite :- 2433108 te (Dolomite)	As per Annual return 2019-20
1f	General remarks of inspecting officers on geology, exploration etc		Exploration was not carried out as proposed.	Violation issued.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Section between B-B' to D-D' 548 MRL	Section between B-B' to D-D' 548 MRL	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	1 Bench in TOP 3 in Mineral Soil 3 in Mineral		
2c	Stripping ratio or ore to OB ratio	1:0.05	1:0.03	
2d	Quantity of topsoil generation in m3	5716	Nil	Communicated as Land aquisition issue.

2e	Quantity of overburden generation in m3	4500 te	1151 Tonnes
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Mine developed with 3 mineral benches and one top soil bench.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	1,11,140 te (Dolomite)	Dolomite 96120 te	Limestone -Nil
3c	Recovery of sailable/usable mineral from ROM production	95%	96%	
3d	Quantity of mineral reject generation	No proposal	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	
3f	Quantity of sub grade mineral generation.	No proposal	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	mechanised	mechanised	
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	Tractor Mounted Compressor with Jack Hammer Drilling & Blasting	Tractor Mounted Compressor with Jack Hammer Drilling & Blasting	
3k	Provision of mining machineries in mineral benches	Yes	Yes	Small capacity machinery deployed
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes 6m	Suitable	
3m	Total area covered under excavation/pits		4.120 Ha	As per AR 2019-20
3o	Total area put in use under different heads at the end of year		4.90ha	
3p	Production of ROM mineral during the last five year period as applicable	Dolomite 2015-16 - 150012 Mt 2016-17 - 150011 Mt 2017-18 - 150007 Mt 2018-19 - 111140 Mt 2019-20 - 111140 Mt	Dolomite 109000 Mt 110000 Mt 72475 Mt 48000 Mt 96120 Mt	Mt- metric tonne
3q	General remarks of inspecting officers on method of mining etc.		Deployments of small capacity shovel and truck combination with jack hammer drilling in opencast mining. Further, only extraction of dolomite was reported. and limestone production is nil.	

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	Yes	
4b	Location of topsoil, OB and mineral reject dumps	Nil	Waste dump not formed in the year 2019-20. small quantity of waste as generated is being used for road repairing and in other safety measures.	top soil Used for plantation if generated.
4c	Number of dumps within lease area and outside of lease area	Lease area = 1 Non Lease area = Nil	Lease area = 1 Non Lease area = Nil	very small capacity
4e	Number of active and alive dumps.	one	one	
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.	Nil	Nil	Small capacity of dump. As the waste generation is very less.
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil	safety berm prepared along the toe.
4k	Specific comments of inspecting officer on waste dump management		As the waste generation is very less and most of the material are used for blending and for road/ safety berm maintenance.No substantial dump management envisaged.	

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.	Nil	Nil	Area is not matured for backfilling as minerals are not exhausted.
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.			As mineral is not exhausted fully or not matured for backfilling. Thus, reclamation not envisaged.

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	Submitted	
6b	Area available for rehabilitation (ha) .	NIL	NIL	As mineral is not exhausted fully or not matured for backfilling. Thus, reclamation/rehabilitation not envisaged.
6d	No. of saplings planted during the year	270 nos	270nos	
6f	Any other method of rehabilitation	nil	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	nil	nil	As mineral is not exhausted fully or not matured for backfilling. Thus, reclamation/rehabilitation not envisaged.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	As mineral is not exhausted fully or not matured for backfilling. Thus, reclamation/rehabilitation not envisaged.

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Monitering carried out and observed within the range.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		As mineral is not exhausted fully and not matured for backfilling. Thus, reclamation not envisaged. However, planation for green belt development is observed.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise	Grade wise(dolomite)	Limestone -Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical crushing &screening	Mechanical crushing &screening	
7d	Any beneficiation process at mines	Nil	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Production is mainly for dolomite with nil production of limestone.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	yes	Separate Removal & Utilization	

8b	Concurrent use or storage of topsoil	Yes	Utilized for green belt	However, Top soil generation reported as nil in the year 2019-20.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Small capacity of waste dump only.	Dump formation during 2019-20 reported as nil.
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)	270nos.	270 nos.	
8g	Survival rate		50%	Survival rate observed as very less.
8h	Water sprinkling on roads to control airborne dust	Yes	Water sprinkling carried observed.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Observed planation on for green belt development and in office area. However, survival rate observed as less.	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	MR Submitted up to = August 2020 AR Submitted up to = 2019-20	MR Submitted up to = August 2020 AR Submitted up to = 2019-20	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Syed Anwar Pasha, Mining Engineer .	Mining Engineer with degree in Mining Engg has appointed.	Part time appointment of Geologist.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Under Pit: 4.12 Ha Dumps: 0.050 Ha Road and others : 0.730 Ha	Under Pit: 4.12 Ha Dumps: 0.050 Ha Road and others : 0.730 Ha	Shown in AR 2019-20.
9d	Scrutiny of Annual return on afforestation	270No's within lease area	270No's within lease area	Observed that the mine office area is developed with good plantations. However, survival rate observed very less.
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 Nil Dolomite - 15908.670 Te	Limestone Nil Dolomite - 15908.670 Te	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Limestone Nil Dolomite :- Ex-mine price : Rs 425.79/te Production Cost : 328/- Per ton	Limestone Nil Dolomite :- Ex-mine price : Rs 425.79/te Production Cost : 328/- Per ton	Sample invoice checked for dolomite.
9h	Scrutiny of Annual return on fixed assets	Rs. 8748000/-	Rs. 8748000/-	

9k Scrutiny of Compressor- 1 Compressor- 1 No's
Annual return on No's Water Tanker - 1 No's
mining Water Tanker - Wheel loader-01
machineries 1 No's Crusher 200TPH -01
 Wheel loader-
 01
 Crusher 200TPH
 -01

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 35(2)	26-OCT-20			

Date :

(SURESH PRASAD)

Indian Bureau of Mines