

**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 : P01 ) PREM PRAKASH  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : SHRI. AKSHAY SHETTAR, MINES MANAGER  
Official with  
Designation
- (iv) Date of Inspection : 12-MAR-22
- (v) Prev.inspection date : 07-OCT-20

**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 correspondance** : Smt. V.S.Raikar  
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	Exploration to the extent of 04 nos. of boreholes was proposed in the year 2018-19.	NIL	Violation issued for the same.
1b	Exploration over lease area for geological axis 1 or 2	Not Proposed	Nil	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Proposed	Nil	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	4.76 ha to be explored to bring Geological axis 1	Nil	-
1e	Balance reserve as on 01/04/20	-	Reserves Limestone (111) : 184586 te, Dolomite (111) : 2433108 te	As per Annual Return submitted for FY 20-21
1f	General remarks of inspecting officers on geology, exploration etc	-	-	Exploration by 4 No's Core BHs as proposed in 2018-19 in approved MMP is not carried out so far. Violation issued for the same.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Between co-ordinates N1781130 TO 1781230 E 569107 TO 569316 in FY 2020-21	Development/excavation has been carried out in the same area as proposed in Mining Plan.	-

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	yes	Yes, Separate benches maintained in overburden and mineral	-
2c	Stripping ratio or ore to OB ratio	1:0.04	1:0.04	te : te
2d	Quantity of topsoil generation in m3	1890 te	1290 te	-
2e	Quantity of overburden generation in m3	4500 te	4200 te	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	Development/excavation has been carried out in the same area as proposed in approved Mining Plan (MMP). However, less development and production carried out, reportedly due to Corona Covid Pandemic restrictions.

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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1 No.	1 No.	-
3b	Quantity of ROM mineral production proposed	1,11,140 te in FY 2020-21	97000.590 te in FY 2020-21	As reported during inspection, production quantity was achieved less due to Corona Covid Pandemic restrictions.
3c	Recovery of sailable/usable mineral from ROM production	95%	About 96%	-
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	Mechanized method for segregating from ROM	Mechanized method adopted for segregating from ROM	-
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Nil	-
3j	Provision of drilling and blasting in mineral benches	Jack Hammer drilling And Blasting	Jack Hammer drilling And Blasting	-
3k	Provision of mining machineries in mineral benches	small capacity machineries	small capacity machineries	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes	height of benches are maintained as Proposed	-
3m	Total area covered under excavation/pits	4.52 ha. up to 2022-23	4.12 ha Up to 2020-21	As per Annual Return submitted for FY 20-21
3n	Ore to OB ratio for the pit/mine during the year.	1:0.04	1:0.04	te : te
3o	Total area put in use under different heads at the end of year	6.72 Ha. up to 2022-23	5.17 ha. Up to 2020-21	As per Annual Return submitted for FY 20-21

3p	Production of ROM mineral during the last five year period as applicable	2016-17: 150000 2017-18: 150000 2018-19: 111140 2019-20: 111140 2020-21: 111140 in tonnes	2016-17: 110000 2017-18: 72475 2018-19: 48000 2019-20: 96120 2020-21: 97000 in tonnes	-
3q	General remarks of inspecting officers on method of mining etc.	-	-	Open cast workings being carried out in small scale with small excavator-tippers combination.

## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate Dumping of OB was proposed	Separate Dumping of OB being done at the mines	-
4b	Location of topsoil, OB and mineral reject dumps	waste dump proposed to be made at earmarked place in north eastern side of the lease near to BP-2.	However, it was observed that waste dumping has not been carried out at the earmarked place; instead it was made near to BP-5.	Violation issued for the same.
4c	Number of dumps within lease area and outside of lease area	Within Lease area = 1	Within Lease area = 1	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	-
4e	Number of active and alive dumps.	1	1	-
4f	Number of dead dumps.	-	Nil	-
4g	Number of dumps established.	1	1	-

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	Nil	Nil	-
4k	Specific comments of inspecting officer on waste dump management	-	-	As per approved MMP, the waste dump proposed to be made at earmarked place in north eastern side of the lease near to BP-2. However, it was observed that waste dumping has not been carried out at the earmarked place; instead it was made near to BP-5. Violation issued for the same.

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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, reclamation etc. are not proposed	Nil	-
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.	-	-	Mine is not reached up to ultimate depth and no part of the lease area is fully extracted or got exhausted of mineral. Hence, backfilling, reclamation etc. are not proposed in this plan period.
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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 of every year	Not yet submitted	Violation issued for the same.
6b	Area available for rehabilitation (ha) .	Not proposed	Not Applicable	-
6c	afforestation done (ha).	NA	NA	-
6d	No. of saplings planted during the year	NA	NA	-
6e	Cumulative no .of plants	NA	NA	-
6f	Any other method of rehabilitation	NA	NA	-
6g	Cost incurred on watch and care during the year	NA	NA	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	NA	NA	-

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	NA	NA	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA	-
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	NA	NA	-
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Afforestation by planting of 160 Nos.	Afforestation reported carried out by planting of 250 Nos.	-
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	0.16 ha. Area,	0.25ha. Area,	-
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Plantation	Plantation	-
6p	Compliance of environmental monitoring (core zone and buffer zone)	Periodic Environmental monitoring to be carried out	Environmental monitoring being carried out periodically.	-

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	Plantations being carried out along the periphery of the lease area.
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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	grade wise sorting within lease area	grade wise sorting within lease area	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical; Crushing & Screening	Mechanical; Crushing & Screening	-
7c	Different grade of mineral sorted out at mines.	yes	yes	-
7d	Any beneficiation process at mines	Dry Crushing & Screening	Dry Crushing & Screening	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	Blending, sorting & sizing of mineral being carried out by Mechanical dry processing through Crushing & Screening plants.

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Separate removal & utilization	Separate removal & utilization	-
8b	Concurrent use or storage of topsoil	Utilization for bund formation & planation	top-soil observed stacked near to BP-4 & 5.	Violation issued for the same.

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	For O/B only	O/B only.	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	Nil	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	NA	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Additional plantation proposed of 160Nos. of saplings in 0.16 ha. Area,	Additional plantation carried out by planting of 250 Nos. of saplings in 0.25ha. Area,	-
8g	Survival rate	-	50%	-
8h	Water sprinkling on roads to control airborne dust	yes	Being carried out by using water tanker	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	Aesthetic beauty of mine in and around mines area observed to be good.

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#### Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR Submitted up to = FEB-2022 AR Submitted up to =1st April 2020	-	Monthly Return for the Month of October, 2021 is found to be submitted online by you on dated 12.11.2021 after a delay of two days. Violation issued for the same.

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager/ Mining Engineer -1, Geologist-Nil	Manager/ Mining Engineer -employed Geologist-Not employed	Violation issued in this respect.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	O/C Working - 4.120 waste disposal -0.05 Plant and buildings roads -0.730 Other purpose -0.270 Ha.	O/C Working -4.120 waste disposal -0.05 Plant and buildings roads -0.730 Other purpose -0.270 Ha.	As per Annual Return submitted for FY 2020-21
9d	Scrutiny of Annual return on afforestation	250 plants	250 plants	-
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	0	0	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	LIMESTONE-Nil; DOLOMITE : ROM-Nil, graded ore- 15198.070 te	LIMESTONE-Nil; DOLOMITE : ROM-Nil, graded ore- 15198.070 te	As per Annual Return submitted for FY 2020-21
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex mine price - 445 Rs./te Production coast -389 Rs./te	Ex mine price - 445 Rs./te Production coast -389 Rs./te	As per Annual Return submitted for FY 2020-21
9h	Scrutiny of Annual return on fixed assets	Rs. 8750000	Rs. 8750000	As per Annual Return submitted for FY 2020-21
9k	Scrutiny of Annual return on mining machineries	WATER TANKER 10000.000 LITRE- 1' CRUSHER 200.000 T/H -1 WHEEL LOADER 0.700 CUM -1 No.	WATER TANKER 10000.000 LITRE- 1' CRUSHER 200.000 T/H -1 , WHEEL LOADER 0.700 CUM -1 No.	-

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**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 11(1)	31-MAR-22			
MCDR17	Rule 26(2)	31-MAR-22			
MCDR17	Rule 55(1)(3)	31-MAR-22			

**Date :**

**(PREM PRAKASH)**

Indian Bureau of Mines