

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

**MCDR inspection REPORT**

**Goa regional office**

**Mine file No :** KNT/BJP/LST-72/GOA

**Mine code :** 38KAR26052

- (i) Name of the Inspecting : **R\$01** ) **R.S.SAUDAGAR**  
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Shri V.R.B.Patil, Lessee  
Official with  
Designation
- (iv) Date of Inspection : 31-AUG-21
- (v) Prev.inspection date : 17-DEC-18

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **SHRI GURUDEV (ML 2407)**
- (b) **Registration NO.** :
- (c) **Category** : A Other than Fully Mech.
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : KARNATAKA
- District : BAGALKOT
- Village : JALIKATTI
- Taluka : MUDHOL
- Post office : LOKAPUR
- Pin Code : 587122
- FAX No. :
- E-mail : atmanandminerals@gmail.com
- Phone : 08350-340256
- (f) **Police Station** : LOKAPUR
- (g) **First opening date** : 18-JUL-03
- (h) **Weekly day of rest** : TUE
2. **Address for correspondance** : SHRI GURUDEV ATMANAND MINERALS  
At & po- Lokapur (Jalikatatti)  
Tq-Mudhol, Dist-Bagalkot-587122
3. (a) **Lease Number** : KAR1362
- (b) **Lease area** : 4.88
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 24-JUN-23
4. **Mineral worked** : LIMESTONE Main

## 5. Name and Address of the

Lessee : VENKAPPA RAMAPPA B. PATIL  
 At-Lokapur Po-Lokapur Tq-  
 Mudhol BAGALKOT KARNATAKA  
 Phone:08350-340256(O)  
 FAX :

Owner : V.R.B.PATIL, SHRI GURUDEV ATMANAND MINERALS  
 At & Po-Lokapur tq-Mudhol  
 BAGALKOT KARNATAKA  
 Phone: 08350-240256  
 FAX :

## Geologist

Name : Shri Suresh Khot,Part Time  
 Qualification : MSc Geology  
 Appointment/ : 01-AUG-14  
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	26-MAR-03
Plan/Scheme of Mining		Modif.of approved Mining Plan	19-SEP-05
		Mining Scheme rule 12 MCDR1988	05-NOV-09
		Modif.of approved Mining Plan	26-APR-10
		Mining Scheme rule 12 MCDR1988	07-NOV-13
		MP modif under 17(3) MCR 2016	15-MAR-18

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration proposal in 2020-21.	Nil during 2020-21.	
1b	Exploration over lease area for geological axis 1 or 2	G-1 proposed.	G 1 : 4.92 Ha ; G 2: Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal.	Nil during 2020-21.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	Nil	
1e	Balance reserve as on 01/04/20		Totl Reserve 2.015 Million Tonnes of Limestone (UNFC Cat 111) . Quality of Limestone: 35 to 49% CaO	Reserve position as per Annual return submitted for FY 2020-21.
1f	General remarks of inspecting officers on geology, exploration etc			Entire mineralized area was explored by the lessee under G1 level by drilling with 9 nos. of core boreholes drilled in 2017-18; total meterage drilled was 365m.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	1786600 N to 1786780 N, E 540940 E to 541150 E	Development carried out in the same area as proposed.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in OB & ore are proposed.	Separate benches in OB & ore maintained.	
2c	Stripping ratio or ore to OB ratio	1:0.10	1:0.08	

2d	Quantity of topsoil generation in m3	No proposal	Nil.	
2e	Quantity of overburden generation in m3	42735 m3	1800m3. 3600 Tonnes. B.D. :2T/cu. m	As per Annual Return submitted for FY 2020-21
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Development quantity is less against planned, as environmental clearance is yet to be obtained for increase in production capacity.

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single pit proposed	is Single pit present in the ML area	
3b	Quantity of ROM mineral production proposed	1,00,000 tonnes of Limestone	20,000 tonnes of Limestone.	As per Annual Return submitted for FY 2020-21.
3c	Recovery of sailable/usable mineral from ROM production	90%	92%	
3d	Quantity of mineral reject generation	No proposal	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	Not Applicable.	
3f	Quantity of sub grade mineral generation.	No proposal	Nil	
3g	Grade of sub grade mineral generation	No proposal	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	Proposed to drill by jack hammer and blasting using slurry explosives	No change.	
3k	Provision of mining machineries in mineral benches	Excavator : 01No. Tractor Compressor: 01nos. Water Tanker:01 no. Tipper: 02. Jack Hammer: 02 No	Excavator : 01No. Tractor Compressor: 01nos. Water Tanker:01 no. Tipper: 01. Jack Hammer: 01 No	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6m bench height proposed.	Average bench height 6m is maintained	
3m	Total area covered under excavation/pits	2.73 Ha. at the end of F.Y. 2022-23.	2.5 Ha.	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.1	1:0.08	
3o	Total area put in use under different heads at the end of year		Area under mining: 3.05 Ha. Roads : 0.123 Ha. Infrastructure & Others : 0.187 Ha.	As per Annual Return submitted for FY 2020-21.
3p	Production of ROM mineral during the last five year period as applicable	2016-17: 1,00,000 2017-18: 1,00,000 2018-19: 1,00,000 2019-20: 1,00,000 2020-21: 1,00,000 ( in tonnes)	2016-17: 19,988 2017-18: 20,000 2018-19: Nil 2019-20: 5,000 2020-21:20,000 ( in tonnes)	Production carried up to the existing EC limit.

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

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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Waste is proposed for strengthening of mine haul roads, safety bund construction and for temporary dumping on northern side of the lease.	waste generated during 2020-21 has been used for haul road repair .	
4b	Location of topsoil, OB and mineral reject dumps	NA	NA	
4c	Number of dumps within lease area and outside of lease area	1 No. proposed WML	Proposed for re-handling and backfilling in conceptual stage.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Proposed with in UPL	NIL	
4e	Number of active and alive dumps.	No proposal	Nil	
4f	Number of dead dumps.	No proposal	Nil	
4g	Number of dumps established.	No proposal	Nil	
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	530 metre of bund formation proposed along 7.5 m safety barrier during plan period up to the end of F.Y. 2022-23	212 metre of bund formation done upto 2020-21.	

4j	Number of settling ponds	No proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management			Disposal of waste was proposed for strengthening of mine haul roads, safety bund construction and for temporary dumping. However, temporary dumping is not commenced since waste was earlier utilized for strengthening of mine haul roads.

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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.	No proposal	Nil as the mine pit was not matured for backfilling.	
5b	Area under backfilling of mined out area	No proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Concurrent use of top soil proposed.	No top soil generation	
5d	Total area fully reclaimed and rehabilitated	No 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.

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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).	To be submitted on or before 1st July every year.	Submitted for F.Y. 2020-21 before 1st July, 2021.
6b	Area available for rehabilitation (ha) .	No proposal	Nil
6c	afforestation done (ha).	Cumulative area of 0.82 Ha. proposed up to 2022-23.	So far 1.5 Ha. green belt developed.
6d	No. of saplings planted during the year	160 nos.	160 nos.
6e	Cumulative no .of plants	480 Nos	Apprx. 400 nos. within ML.
6f	Any other method of rehabilitation	No proposal	Nil
6g	Cost incurred on watch and care during the year	Nil	No change
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No Proposal	Not applicable
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Not applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Not Applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	Not Applicable



6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	Not applicable	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	Not applicable	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	Not applicable	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Bi Annually	Environmental monitoring is carried out through private agency.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Slow implementation due to delay in getting EC for enhanced production.

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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 sizing & sorting	Grade wise sizing & sorting	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual sizing and sorting	Manual sizing and sorting	
7c	Different grade of mineral sorted out at mines.	Yes	Yes	
7d	Any beneficiation process at mines	No proposal	Nil	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Lessee is using all the ore by blending with high grade ore as per buyers requirement.
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## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal during 2020-21	Nil	
8b	Concurrent use or storage of topsoil	Proposed for spreading on bund along safety barrier for afforestation.	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed	No change	
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)	No proposal	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Proposed	Approx. 400 nos. saplings were planted within ML so far.	
8g	Survival rate	Not specified.	60%	

8h	Water sprinkling Proposed on roads to control airborne dust	Water tanker arrangement for water sprinkling on mine roads has been made.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Aesthetic beauty in and around the mining area is good.

## Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to July 2021 & A.R. Submitted up to 2020-2021		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager: S.A. Mallakoppa Geologist: Suresh Khot	No Mining Engineer and Geologist were found appointed during the time of inspection.	Violation of rule 55(1) (3) was issued to the lessee dated 30/09/21 .
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		Area under Mining: 3.05 Ha. Dump: Ha. Infrastructure & Road: 0.123 Ha. Others : 0.187 Ha.	As per Annual Return submitted for FY 2020-21.
9d	Scrutiny of Annual return on afforestation	160 nos.	160 nos.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	No mineral reject generation during 2020-21	

9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM closing stock: Nil. Graded ore closing Stock of BF grade Limestone: 4735.98 tonnes & Cement Grade Limestone: 8452.78 tonnes.	Actual was also same at that time as per mine dispatch register.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex- Mine Price for B.F grade & Cement grade Limestone reported as: Rs.525/- & respectively 385/tonne. Production Cost: Rs. 370/tonne	Some of the invoices were checked during inspection and sale value given was found correct.	As per Annual Return submitted for FY 2020-21.
9h	Scrutiny of Annual return on fixed assets	Fixed assets is given	Fixed assets is filled properly	
9k	Scrutiny of Annual return on mining machineries	Hydraulic Shovel: 1 no. Tipper: 1 no. Compressor: 1no. Rock breaker: 1 no. Water Tanker: 1no.	No change	

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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 55(1)(3)	30-SEP-21		MCDR17 Rule 55(1)	30-SEP-21	02-FEB-22

**Date :**

**(R.S.SAUDAGAR)**

Indian Bureau of Mines