

**INDIAN BUREAU OF MINES**  
**MINERALS DEVELOPMENT AND REGULATION DIVISION**  
**MCDR inspection report**  
**Goa regional office**

- (i) Name of the Inspecting Officer and ID No. : **(ASO) ABHIMANYU SINGH OGRA**
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine Official with Designation : G Deva Krishna Reddy - Geologist
- (iv) Date of Inspection : 10.12.2024
- (v) Prev. inspection date : 06.10.2023

**PART-I : GENERAL INFORMATION**

1	(a)	<b>Mine Name</b>	: <b>Jalikatti Limestone Mine</b>
	(b)	IBM Registration Number under rule 45 of MCDR, 1988	: 2114
	(c)	Mine code	: 38KAR26002
	(d)	Type of Working (Opencast, Underground)	: Opencast
	(e)	Category (Fully Mechanized, Others or Manual)	: Cat. A, Fully Mech.
	(f)	Captive/ Non captive	: Non-captive
	(g)	Postal Address	
		Village	: Lokapur
		Taluk/Mandal	: Mudhol
		District	: Bagalkot
		Pin code	: 587122
		State	: Karnataka
		Post office	: Lokapur
		Nearest police station	: Lokapur
		Nearest Railway station	: Bagalkot
2		Address for correspondance	: Raikar House, Vallabhai Chowk Bagalkot District, Karnataka state-587101
3	(a)	Total Lease Area (Ha) with breakup of Non-forest and	: 3.64 Ha

- forest land
- (b) Date of Grant of Mining Lease : 13.09.1990
- (c) Date of Execution : 01.04.2022
- (d) Date of opening of Mine : 01.04.2022
- (e) Date of expiry : NA
- 4 Mineral(s) granted in lease and proved for mining : Limestone
- 5 (a) Name of the lessee, Address, phone, email and fax number : M/s. Ratna Minerals  
Raikar House, Vallabhai Chowk  
Bagalkot District, Karnataka  
state-587101  
Email id -  
[vadirajminerals@gmail.com](mailto:vadirajminerals@gmail.com)
- (b) Name of the Nominated Owner with Address, phone, email, fax number and date of appointment : Sri. Vijay Kumar Raikar  
Raikar House, Vallabhai Chowk  
Bagalkot District, Karnataka  
state-587101  
Email id -  
[vadirajminerals@gmail.com](mailto:vadirajminerals@gmail.com)
- (c) Name of the Mine Agent with Address, phone, email, fax number and date of appointment : Sri. Vijay Kumar Raikar  
Raikar House, Vallabhai Chowk  
Bagalkot District, Karnataka  
state-587101  
Email id -  
[vadirajminerals@gmail.com](mailto:vadirajminerals@gmail.com)
- (d) Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines : Banu Prakash Shetty  
C/o-Vijayalaxmi Jewellers  
Vallabhai Chowk, Bagalkot-587101  
P no:8105228435  
e-mail: [minesmailbox@gmail.com](mailto:minesmailbox@gmail.com)  
Date of Appointment - 01.04.2024
- (e) Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine : Banu Prakash Shetty  
C/o-Vijayalaxmi Jewellers  
Vallabhai Chowk, Bagalkot-587101  
P no:8105228435  
Mining engineering, second class  
mines manager.  
e-mail: [minesmailbox@gmail.com](mailto:minesmailbox@gmail.com)  
Date of Appointment - 01.04.2024
- (f) Name of the Geologist, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine : G Deva Krishna Reddy (MSC) 5Y  
experience,  
C/o-Vijayalaxmi Jewellers  
Vallabhai Chowk, Bagalkot-587101  
Date of Appointment - 01.03.2023

6	Date of Approval of Mining Plan/Review of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	:	Date of approval of Modified Mining Plan; 01.04.2022. Plan period from 2021-22 to 2025-26.  Letter No. Letter No RMP/MAN-10 (KNT)/GOA/2021-22
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## PART - II: OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	G1 proposed	Area covered under G1:3.64Ha.,	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No proposal during 2023-2024	-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	
1e	Balance reserves as on <u>01.04.2024</u>	-	111-1320638 Mt 211-968109 Mt.  As per AR 2023-24.	
1f	General remarks of inspecting officer on geology, exploration etc.	The complete Lease area is under G1.		

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	N 1786476 to N 1786581 E 541119 to E 541168	No change in development location.	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Separate benches in ore and OB	Separate benches in ore and OB	

		proposed	maintained
2c	Stripping ratio or ore to OB ratio	1: 0.1	1
2d	Quantity of topsoil generation in m3	0	0
2e	Quantity of overburden generation in m3	2222	0
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Complete working is in limestone, no intercalated waste encountered	

## Exploitation :

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	Single pit proposed.	Single pit being worked.	
3b	Quantity of ROM mineral production proposed	55,555 Mt	19750 Mt	
3c	Recovery of salable/usable mineral from ROM production	90% proposed	90% recovery of ROM	
3d	Quantity of mineral reject generation	No proposal	Nil	
3e	Grade of mineral reject 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	Mechanized	Mechanized	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral	No proposal	Nil	

	and reject			
3j	Provision of drilling & blasting in mineral benches	Jack Hammer drilling &Blasting	Jack Hammer drilling &Blasting	
3k	Provision of mining machineries in mineral benches	Excavator and dumper Proposed	Excavator and Dumper combination	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	5 Mts	Average bench height maintained by 5m..	
3m	Total area covered under excavation/pits	2.9 Ha. proposed at the end of F.Y. 2025-26.	2.78 Ha. at the end of F.Y 2023-24.	Actual area utilizations are furnished as per the submitted AR of F.Y 2023-24.
3n	Ore to OB ratio for the pit/mine during the year	1 : 0.1	1	
3o	Total area put in use under different heads at the end of year	Area under mining: 1.8444 Ha. Storage for topsoil: 0.0543 Ha. Waste dump site: 0.3936 Ha. Infra: 0.14 Ha.	Area under mining: 0.6356 Ha. Waste dump site: 0.1331 Ha. Infra & roads: 0.2259 Ha. Others: 0.1267 Ha.	Actual area utilizations are furnished as per the submitted AR of F.Y 2023-24.
3p	Production of mineral during last five-year period, as applicable	2022-23:55555 2023-24:55555 (in Mt)	2022-23:14000 2023-24:19750 (in Mt)	
3q	General remarks of inspecting officer on method of mining etc.	Expansion of production was planned for which the environment clearance process is in progress Hence, the production was less w.r.t. proposal.		

#### Solid Waste Management-Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral	Separate disposal of	Arrangement for separate	

	reject (Rule 32, 33)	topsoil and OB proposed.	Top soil and OB waste stack made	
4b	Location of topsoil, OB & mineral reject dumps	Within Lease area = 1	Within Lease area = 1	
4c	Number of dumps within lease area and outside lease area	1 nos. of Dumps proposed within the ML area.	1 no. of waste dump is constructed	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Temp. Dumps proposed within UPL limit	Temp. dump within UPL.	
4e	Number of active & alive dumps	1 nos. of active dump proposed	1 nos. of dumps	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps stabilized	No proposal	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	Proposed	Retaining wall, garland drain all along temp dump constructed.	
4i	Length of Retaining wall or garland drain all along dump	Garland drain- 20m Retaining wall- 20m	Nil	Completed in Last FY for Temp dump site
4j	Number of settling ponds	No proposal in FY 2023-24	Nil	
4k	Specific comments of inspecting officer on waste dump management.	Arrangement for intercalated waste generation observed	dump made, but as no waste encountered, no waste	

Solid Waste Management-Backfilling :

Sl.No.	Item	Proposals	Actual work	Remarks
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5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No proposal	Nil
5b	Area under backfilling of mined out area	No proposal	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No proposal	Nil
5d	Total area fully reclaimed & rehabilitated	No proposal	Nil
5e	General remarks of inspecting officer on backfilling, reclamation etc	Mine pit is not matured for backfilling since mineral persists at the bottom of mine workings.	

Progressive Mine Closure Plan :

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2).	Proposed.	Submitted for F.Y. 2023-24 along with AR.	
6b	Area available for rehabilitation (ha)	No proposal	Nil	
6c	Afforestation done (ha)	0.05Ha	0.05 Ha	
6d	No. of saplings planted during the year	50 nos.	50 nos.	
6e	Cumulative no. of plants	Not specified.	Approx. 550	
6f	Any other specific method of rehabilitation	No proposal	Nil	
6g	Cost incurred on watch & care during the year	Not specified	Rs. 30000 as stated by the management representatives.	

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6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D)	No proposal	Not applicable
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings	No proposal	Not applicable
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area	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 rehabilitated (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 & buffer zone)	Proposed.	submitted
6q	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Yearly PMCP report has been submitted. PMCP compliance & progressive closure operations are found to be carried out as per the approved proposals.	

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## Mineral Conservation :

Sl.No.	Item	Proposals	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	Mechanical	
7c	Different grade of mineral sorted out at mines	Cement and BF Grade	BF Grade dispatched	
7d	Any beneficiation process at mines	No proposal	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Dry Crushing & Screening is being carried out.		

## Environment :

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Yes	
8b	Concurrent use or storage of topsoil	Concurrent use proposed.	Concurrent use of top soil for plantation.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump for OB.	Separate dump for OB was maintained.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposed during conceptual stage.	Not applicable as of now.	
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 & additional plantation done (Rule 41)	Plantation of local Spices	Approx 300 nos of plantation has been observed.
8g	Survival rate	Not specified	50%
8h	Water sprinkling on roads to control airborne dust	Proposed.	Water tanker arrangement made.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Aesthetic beauty in and around mines area is good	

## Compliance of Rule 45 :

Sl.No.	Item	COMMENTS	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to Nov 2024  A.R. Submitted up to 2023-2024	Date of submission of AR was 30.06.2024.

S.N.	Item	Propasals	Actual work	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer and Geologist appointed.	Mine Manager and Mining Engineer: Mr. Banu Prakash Shetty  Geologist: Mr. G Deva Krishna Reddy	Notice of appointments in respect of Manager, Mining Engineer and Geologist are submitted as per MCDR-2017 provision
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	Area under mining: 2.63 Ha., Waste Dump: 0.04 Ha. Road and Infrastructure : 0.11 Ha.	

9d	Scrutiny of Annual return on afforestation	Yes		50 nos. within the ML boundary.
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil		Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM and ore stock: Nil	and graded closing	Actual was also same at that time.
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Yes		Ex. Mine price -567 Rs/Mt & production cost - 363.6 Rs/Mt Some of the invoices were checked during inspection and sale value given was found correct.
9i	Scrutiny of Annual return on fixed assets	Yes		Value of Fixed Assets (in .) 15,15,000/-
9k	Scrutiny of Annual return on mining machineries	Yes		Excavators - 1, Air compressor - 1

**Details of violations observed during current inspection and compliance position of violation pointed out**

Rule NO.	<u>Violation observed</u>		<u>Show cause position</u>		
	Issued on	Compliance on	Rule NO.	Issued on	Compliance on

(Abhimanyu Singh Ogra)

Indian Bureau of Mines