

**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 : SHRI. L.S.HIREMATH, LESSEE

(iv) Date of Inspection : 31.05.2024

(v) Prev. inspection date : 24.12.2021

PART-I : GENERAL INFORMATION

1 (a) **Mine Name** : **CHIKKALAGUNDI (2574)**

.

(b) IBM Registration Number under rule 45 of MCDR, 1988 : IBM/5355/2011

(c) Mine code : 38KAR26069

(d) Type of Working (Opencast, Underground) : Opencast

(e) Category (Fully Mechanized, Others or Manual) : B Manual

(f) Captive/ Non captive : Non Captive

(g) Postal Address

Village : CHIKKALGUNDI

Taluk/Mandal : BILAGI

District : Bagalkot

Pin code :

State : Karnataka

Post office :

Nearest police station :

Nearest Railway station : Bagalkot

2 Address for correspondance : SHRI L.S.HIREMATH GANIGARA GALLI
AT & PO-LOKAPUR-587122, TQ-
MUDHOL, DIST-BAGALKOT

3 (a) Total Lease Area (Ha) with breakup of Non-forest and : 1.62 Ha

	forest land	
	(b) Date of Grant of Mining Lease	:
	(c) Date of Execution	:
	(d) Date of opening of Mine	05.03.2008
	(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	: LINGANAND S HIREMATH GANIGARA GALLI LOKAPUR TQ-MUDHOL BAGALKOT KARNATAKA Phone:9448225799 bm2574@gmail.com
	(b) Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	:
	(c) Name of the Mine Agent with Address, phone, email, fax number and date of appointment	:
	(d) Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	: R Y MADAR BAGALKOT KARNATAKA Phone:9448225799 bm2574@gmail.com
	(e) Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	: Veerbhadrayya, Part Time Mining engineering, second class mines manager. e-mail: bm2574@gmail.com
	(f) Name of the Geologist, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	: Suraj Mense, Part Time BAGALKOT KARNATAKA Phone:9448225799 bm2574@gmail.com
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 Review of Mining Plan; 24.01.2022. Plan period from 2022-23 to 2026-27. Letter No. Letter No RMP/MAN-06 (KNT)/GOA/2021-22

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 G1:1.62Ha.,	
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>	-	111-428941 Mt 211-669071 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	Proposal is given in the existing pit as shown over Development Plan.	No change in development location.	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Not proposed	Nil	
2c	Stripping ratio or ore to OB ratio	1: 0.1	1: 0.1	
2d	Quantity of topsoil generation in m3	0	0	

2e	Quantity of overburden generation in m3	1052	1000
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.		

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	2000Mt	13298 Mt	
3c	Recovery of salable/usable mineral from ROM production	95% proposed	95% 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	Manual Mining	Manual Mining	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No proposal	Nil	
3j	Provision of drilling & blasting in mineral benches	Jack Hammer drilling &Blasting	Jack Hammer drilling &Blasting	
3k	Provision of mining machineries in mineral	No proposal	Nil	Manual Mining is being

benches		carried out		
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of the benches proposed is 3m	3m bench height is observed to be maintained	
3m	Total area covered under excavation/pits	1.08 Ha. proposed at the end of F.Y. 2026-27.	1.08 Ha.	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 : 0.1	
3o	Total area put in use under different heads at the end of year	Area under mining: 0.96 Ha. Mineral Storage 0.128	Area under mining: 0.92 Ha. Mineral Storage - 0.16	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	2019-20:20000 2020-21:20000 2021-22:20000 2022-23:20000 2023-24:20000 (in Mt)	2019-20:9380 2020-21:6880 2021-22:12100 2022-23:14535 2023-24: 13298 (in Mt)	
3q	General remarks of inspecting officer on method of mining etc.	As reported by Lessee due to less market demand, less production of ROM was done		

Solid Waste Management-Dumping:

Sl.No	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Separate disposal of topsoil and OB proposed.	Arrangement for separate Top soil and OB waste stack made	
4b	Location of topsoil, OB & mineral reject dumps	Waste / Overburden dumping is	Waste / Overburden dump is	

		proposed in Southern side of the lease area.	located in the Southern side of the lease area
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	Yes
4i	Length of Retaining wall or garland drain all along dump	-	-
4j	Number of settling ponds	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management.	waste/overburden dump was observed in Southern side of the lease area. Retaining wall and garland drain is found constructed.	

Solid Waste Management-Backfilling :

Sl.No	Item	Proposals	Actual work	Remarks
.				

5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No proposal	Nil	No part of the lease area has matured for backfilling
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)	0.011Ha	0.011 Ha	
6d	No. of saplings planted during the year	50 nos.	50 nos.	
6e	Cumulative no. of plants	Not specified.	Approx. 500	
6f	Any other specific method of rehabilitation	No proposal	Nil	
6g	Cost incurred on watch & care during the year	Not specified	Rs. 25000 as stated by the management representatives.	

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.	

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	Manual	Manual	
7c	Different grade of mineral sorted out at mines	Cement Grade	Cement Grade dispatched	
7d	Any beneficiation process at mines	No proposal	Nil	
7e	General remarks of inspecting officer Mineral conservation & beneficiation issues	During 2023-24, Cement Grade limestone was dispatched after manual sizing and sorting.		

Environment :

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NA	NA	No topsoil
8b	Concurrent use or storage of topsoil	-	-	
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 400 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 around the mining area is good and impact on environment due to mining is less due to small scale manual mining operation.	

Compliance of Rule 45 :

Sl.No.	Item	COMMENTS	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted April 2024 A.R. Submitted 2023-2024	up to Date of submission of AR was 17.06.2024. up to

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 - R Y MADAR, Mining Engineer: Veerbhadrappa Geologist: Suraj Mense	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: 0.92 Ha., Mineral storage :0.16 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 closing stock: Nil	Graded ore-Cement -20460 Mt	Observed similar at that time.
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Yes		Ex. Mine price -606 Rs/Mt & production cost - 432.45 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 .) 375398/-
9k	Scrutiny of Annual return on mining machineries	Yes		Air compressor - 1, Tipper and Water Tanker

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

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

(Abhimanyu Singh Ogra)

Indian Bureau of Mines