

INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION
MCDR inspection report data

- (i) Name of the Inspecting Officer and ID No. : **(NKK) NARESH KUMAR KATARIYA**
- (ii) Designation : Regional Controller of Mines
- (iii) Accompanying mine Official with Designation : Mr Ranganath Bellubbi, leasee's Representative
Mr Shreekant Mining Engineer
- (iv) Date of Inspection : 16-May-24
- (v) Prev. inspection date : 28-Dec-21

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **CHIKKALAGUNDI LIMESTONE MINE**
- (b) IBM Registration Number under rule 45 of MCDR, 1988 : IBM/8398/2011
- (c) Mine code : 38KAR26017
- (d) Type of Working (Opencast, Underground) : OPENCAST
- (e) Category (Fully Mechanized, Others or Manual) : MANUAL
- (f) Captive/ Non captive : NON CAPATIVE
- (g) Postal Address
- Village : CHIKKALGUNDI
- Taluk/Mandal : BILAGI
- District : BAGALKOT
- Pin code : 587116
- State : KARNATAKA
- Post office : CHIKKALGUNDI
- Nearest police station : BILAGI
- Nearest Railway station : BAGALKOT
- 2 Address for correspondance : SRI H B B PATIL, CHIKKALGUNDI, Tq BILAGI, Dist.BAGALKOT-587116
- 3 (a) Total Lease Area (Ha) with breakup of Non-forest and forest : NON FOREST 2.430 Ha

land

- (b) Date of Grant of Mining Lease : 26-01-1987
- (c) Date of Execution : 27-01-1987
- (d) Date of opening of Mine : 27-01-1987
- (e) Date of expiry : 26-01-2037
- 4 Mineral(s) granted in lease and proved for mining : LIMESTONE
- 5 (a) Name of the lessee, Address, phone, email and fax number : Sri H B B Patil ,po Chikkalgundi, Tq Bilagi Dist Bagalkot Karnataka State .Pin code 587116.
- (b) Name of the Nominated Owner with Address, phone, email, fax number and date of appointment : N A
- (c) Name of the Mine Agent with Address, phone, email, fax number and date of appointment : NA
- (d) Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines : Mr.Shreekanth , po Chikkalgundi-587116, Tq Bilagi ,dist Bagalkot Karnataka
- (e) Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine : Mr. Shreekanth,po Chikkalgundi - 587116, Tq Bilagi , dist Bagalkot , Karnataka
- (f) Name of the Geologist, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine : Mr.Devkrishna Reddy, Po Chilkalgundi-587116 , Tq Bilagi Dist Bagalkot , Karnataka
- 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. : MSH/MAN-316/(KNT)/GOA/97 Dt.02-12-1997

PART - II: OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
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1a	Backlog of previous year	NA	NA	
1b	Exploration over lease area for Geological axis 1 or 2.	NA	2.43Ha	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NA	NA	The entire lease area is covered under the G1 scale
1e	Balance reserves as on <u>01.04.2024</u>	111-458049	111-469232	
1f	General remarks of inspecting officer on geology, exploration etc.	of	No exploration proposal is given for the year 2023-24. However, the entire lease area is explored by the lessee and covered under the G1 Stage.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	E-547330 T0547380N- 1797180 to1797250	E-547330 to547355.N- 1797180 to1797250	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	NA	NA	
2c	Stripping ratio or ore to OB ratio	1:0.05	1:0.10	
2d	Quantity of topsoil generation in m3	540	260	
2e	Quantity of overburden generation in m3	590	600	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	of	Less topsoil was available to generate during the RY as reported. Reject / Waste (intercalated waste) handling is achieved as per proposal.	

Exploitation :

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	ONE	ONE	
3b	Quantity of ROM mineral production proposed	22433 Tonnes	11250 Tonnes	
3c	Recovery of salable/usable mineral from ROM production	NA	NA	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral reject generation and threshold value declared	NIL	NIL	
3f	Quantity of sub-grade mineral generation	NA	NA	
3g	Grade of sub-grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NIL	NIL	
3j	Provision of drilling & blasting in mineral benches	JH DRILLING SLURRY Explosives	JH DRILLING SLURRY EXPLOSIVES	
3k	Provision of mining machineries in mineral benches	NA	NA	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	YES 3 Mtrs	YES 3 mtrs	
3m	Total area covered under excavation/pits	1.2440	1.1940	
3n	Ore to OB ratio for the	1:0.05	1:0.10	

pit/mine during the year

3o	Total area put in use under different heads at the end of year	o/c -1.2440	o/c - 1.1930
3p	Production of ROM mineral during last five-year period, as applicable	2019-20- 23000 2020-21- 23000 2021-22-23000 2022-23- 22433 2023-24-22433	2019-20-000 2020-21-000 2021-22-000 2022-23-13950 2023-24-11250
3q	General remarks of inspecting officer on method of mining etc.	Mine is proposed and reportedly operated with Manual operation with jackhammer drilling & blasting using slurry explosives.	

Solid Waste Management-Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Used for plantation	Used for plantation	
4b	Location of topsoil, OB & mineral reject dumps	NA	NA	
4c	Number of dumps within lease area and outside lease area	NIL	NIL	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NIL	NIL	
4e	Number of active & alive dumps	0	0	
4f	Number of dead dumps	0	0	
4g	Number of dumps stabilized	NA	NA	
4h	Whether Retaining wall or garland drain all along dumps are there	NA	NA	

4i	Length of Retaining wall or garland drain all along dump	NA	NA
4j	Number of settling ponds	NA	NA
4k	Specific comments of inspecting officer on waste dump management.	No separate dump was observed, and as such, no deviation in respect of dump management was found. However, the intercalated waste generated is being used for bund formation and road repairs as reported.	

Solid Waste Management-Backfilling :

S1.No.	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	NOT APPLICABLE	NOT APPLICABLE	
5b	Area under backfilling of mined out area	NA	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	USED FOR PLANTATION WORK	USED FOR PLANTATION WORK	
5d	Total area fully reclaimed & rehabilitated	NA	NA	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Since mineral has not been exhausted from pit / any part of the lease area, backfilling / reclamation is not envisaged		

Progressive Mine Closure Plan :

S1.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2). Details should be given in the format as	SUBMITTED	SUBMITTED	

given in Annexure-20.

6b	Area available for rehabilitation (ha)	NIL	NIL
6c	Afforestation done (ha)	0.20	0.20
6d	No. of saplings planted during the year	100	100
6e	Cumulative no. of plants	500	500
6f	Any other specific method of rehabilitation	NA	NA
6g	Cost incurred on watch & care during the year	Rs. 5000	Rs.5000
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D)	NA	NA
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings	NA	NA
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the 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	NA	NA

6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha)	NA	NA
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	NA	NA
6p	Compliance of Environmental monitoring (core zone & buffer zone)	CARRIED OUT	Carried < report submitted
6q	General remarks of inspecting officer on PMCP compliance & progressive closure operations	PMCP compliance and progressive closure are implemented as per the approved document.	

Mineral Conservation :

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	22433 T	11250 T	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	NA	NA	
7c	Different grade of mineral sorted out at mines	NA	NA	
7d	Any beneficiation process at mines	NO	NO	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	BF & Cement Grade limestone was dispatched after manual sizing and sorting as per the requirement		

Environment :

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil	USED FOR PLANTATION	USED FOR PLANTATION	

(Rule 32)

8b	Concurrent use or storage of topsoil	NA	NA
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	NA
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	SURVIVAL RATE-25% 500 no's	SURVIVAL RATE- 25% 500 no'S
8g	Survival rate	25%	25%
8h	Water sprinkling on roads to control airborne dust	CARRIED OUT	CARRIED OUT
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Aesthetic beauty in and around the mining area appears good.	

Compliance of Rule 45 :

Sl.No.	Item	Proposals	Actual Work	Remarks
9a	Status of submission of Monthly and Annual returns	YES	AR & MR SUBMITTED IN TIME	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	APPOINTED	M E & Geologist Appointed as per records	
9c	Scrutiny of Annual return on land use pattern for	Yes	1.930 Ha	

area under pits,
reclaimed area, dumps
etc.

9d	Scrutiny of Annual return on afforestation	YES	100 no's
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	NIL	NA
9f	Scrutiny of Annual return on ROM stock and/or graded ore	YES	18973 tonnes
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	YES	Rs.513.00
9i	Scrutiny of Annual return on fixed assets	YES	Rs725000/
9k	Scrutiny of Annual return on mining machineries	YES	NIL

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	

(Naresh Kumar Katariya)

Indian Bureau of Mines