

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 : Shri V R Mathad (Mine owner) and other mine officials
- (iv) Date of Inspection : 17-May-24
- (v) Prev. inspection date : 10-Nov-22

PART-I: GENERAL INFORMATION

1. (a) **Mine Name** : **Muddapur Limestone Mine**
- (b) **Registration Number** : **IBM/865/2011**
- (c) Mine code : 38KAR26071
- (d) Type of Working (Opencast, Underground) : opencast
- (e) Category (Fully Mechanized, Others or Manual) : Category - A, Mechanised
- (f) Captive/Non-captive : Non-captive
- (g) Postal Address
- Village : Near Gyneswar Math, 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 : R K BUILDING , NEAR GYNESHWARMATH,
PO LOKAPUR 587122, Tq MUDHOL Dist
BAGALKOT , KARNATAKA

- 3 (a) Total Lease Area (Ha) with breakup of Non-forest and forest land : NON FOREST: 4.86 Ha
- (b) Date of Grant of Mining Lease : 22-12-2008
- (c) Date of Execution : 23-12-2008
- (d) Date of opening of Mine : 30-01-2009
- (e) Date of expiry : 22-12-2058
- 4 Mineral(s) granted in lease and proved for mining : LIMESTONE
- 5 (a) Name of the lessee, Address, phone, email and fax number : Shri V R MATHAD, Near Gyneshwar Math< P O Lokapur-587122,Tq:Mudhol,Dist: Bagalkot, Karnataka
- (b) Name of the Nominated Owner with Address, phone, email, fax number and date of appointment : NA
- (c) Name of the Mine Agent with Address, phone, email, fax number and date of appointment : NIL
- (d) Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines : A H Kuratti,Near Gyneshwar Math< Lokapur-587122
- (e) Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine : Girish Ballari, B E Mining 25 Years Near Gyneshwar Math PO: Lokapur Mail:-girishballari@redifmail.com 01-12-2021
- (f) Name of the Geologist, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine : Yogesh Kutre MSC Geology 10 Years Near Gyneshwar Math ,po:Lokapur-587122 01-12-2021
- 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. : MP/MAN-613 (KNT) /GOA/2007-08 dt:01-02-2008
MSH/OTF.MECH-68 (KNT) /GOA/2013-14 dated 05.05.2014
RMP/MAN-02 (KNT) /GOA/2017-18 dated 25.01.2018
MCDR-MPC0LST/2/2022-GOA-IBM_RO_GOA dated 29.05.2023

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

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NA	Lessee has so far drilled 06 Core Boreholes for a total meterage of 209 m in the mining lease area. The entire area is covered under the G1 level of exploration.
1b	Exploration over lease area for Geological axis 1 or 2.	NA	G-1	The entire lease area is covered under the G1 scale
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	NIL	NIL	
1e	Balance reserves as on <u>01.04.2024</u>	2362128 T	2362568 T	
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-531075toE-531200 N-1791335 to N-1791440	E-531075 to E-531190 N-1791335 to 1791440	

2b	Separate benches in topsoil, overburden and mineral (Rule 15)	NOT APPLICABLE	NA
2c	Stripping ratio or ore to OB ratio	1:0.02	1:0.016
2d	Quantity of topsoil generation in m3	Nil	Nil
2e	Quantity of overburden generation in m3	713	440
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	No topsoil generation is proposed and achieved during the RY. Reject / Waste (intercalated waste) handling is much less; therefore, no separate benches are developed.	

Exploitation :

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	ONE	ONE	
3b	Quantity of ROM mineral production proposed	34018 T	33578 T	
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	NA	NA	
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	Manual	Manual	
3i	Any analysis or beneficiation study proposed & carried out	NA	NA	

	for sub-grade mineral and reject		
3j	Provision of drilling & blasting in mineral benches	JH DRILLING USE OF SLURRY EXPLOSIVES	JH DRILLING USE OF SLURRY EXPLOSIVES
3k	Provision of mining machineries in mineral benches	YES	YES
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	YES (5 mtrs)	YES (5 mtrs)
3m	Total area covered under excavation/pits	2.10 Ha	2.050
3n	Ore to OB ratio for the pit/mine during the year	1:0.02	1:0.016
3o	Total area put in use under different heads at the end of year	Q/C 2.10 Mineralst 0.40 Roads-0.05 Plant0.04	O/C 2.05 Mineralst0.990 Roads-0.050 Plant-0.010
3p	Production of ROM mineral during last five-year period, as applicable	2019-20-48575 2020-21-48575 2021-22-48575 2022-23-48575 2023-24-34018	2019-20-25523.00 2020-21-14678.10 2021-22-18668.93 2022-23-33972.17 2023-24-33578.00
3q	General remarks of inspecting officer on method of mining etc.	Mine is proposed and reportedly operated with Mechanized operation with jackhammer drilling & blasting using slurry explosives.	

Solid Waste Management-Dumping:

S1.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	NA	Na	

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)	NA	NA
4e	Number of active & alive dumps	NIL	NIL
4f	Number of dead dumps	NIL	NIL
4g	Number of dumps stabilized	NIL	NIL
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 the 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 :

Sl.No.	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	NA	NA	
5b	Area under backfilling of mined out area	NA	NA	
5c	Concurrent use of topsoil for restoration or	NA	NA	

rehabilitation of mined
out area (Rule 32)

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 :

Sl.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 given in Annexure-20.	Yes	SUBMITTED	
6b	Area available for rehabilitation (ha)	NIL	NIL	
6c	Afforestation done (ha)	0.05	0.05	
6d	No. of saplings planted during the year	50	50	
6e	Cumulative no. of plants	550	550	
6f	Any other specific method of rehabilitation	NA	NA	
6g	Cost incurred on watch & care during the year	Rs5000	Rs5000	
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 OUT 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	34018 T	33578 T	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	MANUAL	MANUAL	

7c	Different grade of mineral sorted out at mines	NA	NA
7d	Any beneficiation process at mines	NO	NO
7e	General remarks of BF & Cement Grade limestone was dispatched after inspecting officer on manual sizing and sorting as per the requirement Mineral conservation & beneficiation issues		

Environment :

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NA	NA	No topsoil is generated
8b	Concurrent use or storage of topsoil	YES	UTILISED	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	NA	Generated intercalated waste is used for strengthening of mine roads within lease area as reported.
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)	550	550	
8g	Survival rate	60%	60%	

8h	Water sprinkling on roads to control airborne dust	YES	YES
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	YES	M E & Geologist Appointed	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	O/c--- 2.05 ha Roads-0.05 ha Plant---0.04 ha MINERALST-0.990ha	
9d	Scrutiny of Annual return on afforestation	YES	50 nos	
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	B F GR-8784mt CEMENT GR-3603mt	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	YES	Rs-361.92 BF Gr 191.54 Cement Gr	

9h	Scrutiny of Annual return on fixed assets	YES	Rs-1424476
9k	Scrutiny of Annual return on mining machineries	YES	TMC-1 WATER TANKER-1 TIPPER-1

Details of violations observed during current inspection and compliance position of violation pointed out					
<u>Violation observed</u>			<u>Show couse position</u>		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on

(Naresh Kumar Katariya)

Indian Bureau of Mines