

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

**MCDR inspection REPORT**

**Goa regional office**

**Mine file No :** KNT/BJP/LST-59/GOA

**Mine code :** 38KAR26022

- (i) Name of the Inspecting : **NKK** ) **NARESH KUMAR KATARIYA**  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : S/Sri P.M. Udapadi- Owner, Shivraj -Mining Engr and o  
Official with  
Designation
- (iv) Date of Inspection : 05-OCT-23
- (v) Prev.inspection date : 08-DEC-20

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **MUDDAPURA (ML 2361)**
- (b) **Registration NO.** : **IBM/559/2011**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address  
State : KARNATAKA  
District : BAGALKOT  
Village : MUDDAPURA  
Taluka : MUDHOL  
Post office : LOKAPUR  
Pin Code : 587122  
FAX No. : 08350-240060  
E-mail : pawanmins2652@gmail.com  
Phone : 0835-340060 (O), 340059 (R), 1
- (f) Police Station : Lokapur
- (g) First opening date : 04-JUL-02
- (h) Weekly day of rest : TUE
2. Address for : Muddapur Limestone Mine of Shri B.C.Udapudi  
correspondance : At-Muddapur, Tq- Mudhol  
Dist-Bagalkot
3. (a) Lease Number : KAR1454
- (b) Lease area : 14.58
- (c) Period of lease : 50
- (d) Date of Expiry : 02-JUL-52
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : B.C.Udapudi  
M/sPawan Minerals  
P.O.Lokapur Dist.:Bagalkot  
BAGALKOT KARNATAKA  
Phone:(08350)40060(0),40059(R)  
FAX :

Owner : B.C.Udapudi  
M/s Pawan Minerals  
P.O.Lokapur Dist.:Bagalkot  
BAGALKOT KARNATAKA  
Phone: 08350-240059(R)  
FAX :

## Mining Engineer

Name : Guru Raj B.Udapudi,Full Time  
Qualification : BE (Mining Engg)  
Appointment/ : 01-JUN-14  
Termination date

## Manager

Name : Shri Shivraj  
Qualification : Diploma Mining  
Appointment/ : 30-DEC-21  
Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	13-JUN-02
Plan/Scheme of Mining	:	Modif.of approved Mining Plan	17-NOV-04
	:	Mining Scheme rule 12 MCDR1988	01-FEB-08
	:	Mining Scheme rule 12 MCDR1988	02-MAY-12
	:	Modif.approved Mining Scheme	24-JUN-16
	:	MP review under 17(1) MCR 2016	08-FEB-17
	:	MP review under 17(1) MCR 2016	03-MAR-22

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration proposal	NA	
1b	Exploration over lease area for geological axis 1 or 2	G1	G1: 14.569 Ha. G2: Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	G1 proposed.	G1 achieved for entire ML area.	
1e	Balance reserve as on 01/04/20	-	7.2 million tonnes of Limestone (UNFC Cat. 111) & 2.16 million tonnes of Dolomite (UNFC Cat. 111)	As on 01.04.2024. Limestone quality: +34% to 55.18% CaO. Dolomite quality +15% to 20.16% MgO.
1f	General remarks of inspecting officers on geology, exploration etc			Entire ML area was explored by the lessee under G1 level by drilling with 16 nos. of core boreholes drilled in 2015-16. Total meterage drilled was 750m. Quarry plan in respect of associated mineral Dolomite was approved separately by the State DMG dated 07.03.2017.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	1794526 N to 1794616 N, E 535492 E to 535851 E	Mine development was not carried out as per approved document	Violation under rule 11(1) is pointed out for the same.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in ore proposed.	Separate benches are not maintained as per approved document. Bench height and width is deviated from the approved document.	Violation under rule 11(1) of MCDR 2017 is issued for the same.
2c	Stripping ratio or ore to OB ratio	1: 0.10	Nil	No limestone production reported in 2022-23. No OB generation reported in the RY. Violation pointed out for the same.
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	2667 m3	Nil	Mine developement is not done as per approved document. Violation pointed out under rule 11(1) of MCDR 2017.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			No limestone production was reported in 2022-23 only Dolomite production is done in the RY. Violation pointed out under rule 11(1) for the less development in the RY.

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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	two pits proposed.	Single pit for dolomite excavation only	

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3b	Quantity of ROM mineral production proposed	60,000 tonnes of Limestone 60,000 tonnes of Dolomite	Limestone -NIL Dolomite - 15000 Te	Violation pointed out.
3c	Recovery of sailable/usable mineral from ROM production	100% recovery of ROM proposed.	Not applicable.	
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	Mechanised	Mechanised	
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 and UNFO	As per proposal.	
3k	Provision of mining machineries in mineral benches	Hydraulic Shovel: 2 nos. Tipper: 3 nos. Air Compressor: 2 nos. Water Tanker: 1 no.	Hydraulic Shovel: 2 nos. Tipper: 3 nos. Air Compressor: 2 nos. Water Tanker: 1 no.	

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	5m bench height proposed.	Bench height and width not maintained as per approved document.	Violation pointed out for the same.
3m	Total area covered under excavation/pits	7.7 Ha.	7.8 Ha. so far.	
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.11	Nil	No OB generation in the RY. Violation pointed out for the same.
3o	Total area put in use under different heads at the end of year	Area under mining: 7.7 Ha. Dump: 0.30Ha. Infrastructure s & Road: 0.40 Ha.	Area under mining: 7.8 Ha. Dump: 0.41 Ha. Infrastructures & Road: 0.64 Ha.	
3p	Production of ROM mineral during the last five year period as applicable	Limestone 2018-19: 119,984 2019-20: 119,995 2020-21: 119,995 2021-22: 119,995 2022-23: 60,000 (in tonnes)	Limestone: 2018-19: 118,000 2019-20: 16,000 2020-21: Nil 2021-22: Nil 2022-23: Nil  ( in tonnes)	No limestone production in the year 2022-23.

3q	General remarks of inspecting officers on method of mining etc.	Quarry plan for Dolomite was approved separately by the State DMG dated 07.03.2017. All review proposals are therefore furnished in respect of Limestone only. Mine development is NIL, Limestone Production is NIL and benches are not maintained as per approved document. Violation pointed out for the same.
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Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Disposal of waste was proposed to construct safety bund along the ML boundary and for repairing of mine road.	Generated waste was utilized to build safety bund along the ML boundary and for repairing of mine roads.	
4b	Location of topsoil, OB and mineral reject dumps	OB proposed to make safety bund along the ML boundary.	No OB generation in the RY.	
4c	Number of dumps within lease area and outside of lease area	Lease area = 0 Non Lease area = 0	Lease area = 0 Non Lease area = 0	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal.	Not applicable.	
4e	Number of active and alive dumps.	No proposal.	Nil	
4f	Number of dead dumps.	No proposal	Nil	

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4g	Number of dumps established.	No proposal	NA	
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	NA	
4i	Length of Retaining wall or garland drain all along dumps	No proposal	NA	
4j	Number of settling ponds	No proposal	NA	
4k	Specific comments of inspecting officer on waste dump management			Generated waste was earlier utilized to make embankment along the safety barrier and for repairing/construction of mine haul roads. No OB generation in the RY 2022-23.

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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	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	NA	
5d	Total area fully reclaimed and rehabilitated	No proposal	NA	

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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
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Proposed	submitted	
6b	Area available for rehabilitation (ha) .	Not proposed	NA	Area not matured for backfilling.
6c	afforestation done (ha).	0.33 Ha.	0.33 Ha.	Green belt at barrier zone
6d	No. of saplings planted during the year	NA	NA	
6e	Cumulative no .of plants	Not specified	Approx 2000 saplings	
6f	Any other method of rehabilitation	NA	NA	
6g	Cost incurred on watch and care during the year	Not specified	NA	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	NA	NA	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on 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 rehabilitation (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 and buffer zone)	Proposed.	Carried out	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			PMCP compliance found in order.

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#### Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM dispatch after mechanical sorting and sizing.	ROM dispatch after mechanical sorting and sizing done.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Mechanical	
7c	Different grade of mineral sorted out at mines.	Limestone & Dolomite	Limestone & Dolomite	
7d	Any beneficiation process at mines .	Size reduction	Size reduction	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Found in order

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#### Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	NA	No top soil generation	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	yes	Generated waste is utilized to make safety bund along the ML boundary.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	NA	Mine pit is not matured for backfilling.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	NA	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		Apprx. 2000 nos. plant saplings were reported within ML so far along the safety barrier.	
8g	Survival rate	70%	70%	
8h	Water sprinkling on roads to control airborne dust	yes	Being carried out	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty around the mining area is good.

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## Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Yes	MR Submitted in time AR Submitted up to =2022-23	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	Appointed	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	O/c ---7.800Ha Roads-0.280 Ha Infra- 0.300 Ha Others- 1.660Ha	
9d	Scrutiny of Annual return on afforestation	Yes	400 No"s	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Yes	nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Yes	Ore Lst:BF Grade-104671 mt Dolomite:11449 mt	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost		EX-MINE PRICE--- Rs.410.17	Some of the invoices were checked during inspection and sale value given was found correct.
9h	Scrutiny of Annual return on fixed assets		Rs--2893938/	Net closing balance and estimated market values are mentioned in AR.
9k	Scrutiny of Annual return on mining machineries	Yes	Hyd Shovel-1 Tipper---2 Crusher-100 tph-2 Water tanker-1	

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

Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	26-APR-24			

**Date :**

**(NARESH KUMAR KATARIYA)**

Indian Bureau of Mines