

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT 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 : **SP01**) **SURESH PRASAD**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : S/SHRI. M.UDAPUDI & N.MURTHY, LESSEE'S REPRESENTATIV
Official with
Designation
- (iv) Date of Inspection : 08-DEC-20
- (v) Prev.inspection date : 05-FEB-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),I**
- (f) **Police Station** : **Lokapur**
- (g) **First opening date** : **04-JUL-02**
- (h) **Weekly day of rest** : **TUE**
2. **Address for correspondance** : **Muddapur Limestone Mine of Shri B.C.Udapudi**
At-Muddapur, Tq- Mudhol
Dist-Bagalkot
3. (a) **Lease Number** : **KAR1454**
- (b) **Lease area** : **14.67**
- (c) **Period of lease** : **20**
- (d) **Date of Expiry** : **02-JUL-22**
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

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

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	Entire area covered/ explored under G1 level of exploration.
1b	Exploration over lease area for geological axis 1 or 2	NIL	Entire area covered/ explored under G1 level of exploration.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NIL	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	Entire area covered/ explored under G1 level of exploration.
1e	Balance reserve as on 01/04/20	Limestone:- As per MMP approved on 08.02.2017:- Under 111 Category- 57,49,637 te.	Limestone:- As per AR 2019-20 5497637 Te	Dolomite is also associated with deposit.However, approved MMP by IBM is for Limestone Only and quarry plan has approved by state DMG. Karnataka.
1f	General remarks of inspecting officers on geology, exploration etc		Entire area covered/ explored under G1 level of exploration.Further, dolomite is also associated with deposit.However, approved MMP by IBM is for Limestone Only and quarry plan has approved by state DMG. Karnataka.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	E 535595- E535884 N17944469- 1794656	E 535500-E535508 N1794500-1794600	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No Proposal of Bench in Top Soil Mineral & OB 5 Mts	Top soil -nil Mineral & OB 5 Mts	

2c	Stripping ratio or ore to OB ratio	1:0.11	1:0.10	
2d	Quantity of topsoil generation in m3	No Proposal	NIL	
2e	Quantity of overburden generation in m3	10256 te	5140 tones	Intercalated waste.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Waste is generated in the form of Intercalated waste.	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit in Limestone One pit in Dolomite	One pit in Limestone One pit in Dolomite	Quarry Plan of dolomite has approved by State DMG, Karnataka.
3b	Quantity of ROM mineral production proposed	1,19,995.00Te	16,000.00Te	Reason showing for less is due to low marked demand.
3c	Recovery of sailable/usable mineral from ROM production	1,19,995.00	16,000.00Te	
3d	Quantity of mineral reject generation	No proposal	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	NIL	NIL	CaO 35% THV for Limestone.
3f	Quantity of sub grade mineral generation.	NIL	NIL	
3g	Grade of sub grade mineral generation	NIL	NIL	
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	Yes	JH Drilling & Blasting	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	
3m	Total area covered under excavation/pits	7.670Ha	7.670Ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.11	1:0.10	
3o	Total area put in use under different heads at the end of year		As per AR 2019-20:- O/c working-7.67 ha, Waste disposal:- 0.30 ha Plant, buildings etc.- 0.872 Ha, Other-2.9 Ha.	
3p	Production of ROM mineral during the last five year period as applicable	2015-16 -0.12 MT 2016-17- 0.12MT 2017-18- 0.12MT 2018-19-0.12MT 2019-20- 0.12MT	2015-16- 0.118MT 2016-17- 0.118MT 2017-18- 0.118MT 2018-19 -0.118MT 2019-20- 0.016MT	MT- Million Tonnes
3q	General remarks of inspecting officers on method of mining etc.		Mining operation is with deployment of shovel tipper combination with drilling and blasting. Further, Production achieved in the year 2019-20 is less with proposed qty. and also observed that the mining operation/production from the mine head was not done during the current year 2020-21 till DOI.	Violation issued for non-compliance last inspection point on systematic mining benches development.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No dump has proposed Using for Formation of Bunds		No dump has achieved Using for Formation of Bunds
4b	Location of topsoil, OB and mineral reject dumps	NIL	NIL	
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)	NIL	NIL	
4g	Number of dumps established.	NIL	NIL	
4h	Whether Retaining wall or garland drain all along dumps are there.	No retaining Wall or Garland proposed	No retaining Wall or Garland drain achieved.	
4i	Length of Retaining wall or garland drain all along dumps	NIL	NIL	
4k	Specific comments of inspecting officer on waste dump management		No waste dump formation observed as the waste is generated in the form of inter calated waste, which is very less qty.	

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	Mineral is not exhausted from the pit.
5b	Area under backfilling of mined out area	NIL	NIL	Mineral is not exhausted from the pit.

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NIL	NIL	Mineral is not exhausted from the pit.
5d	Total area fully reclaimed and rehabilitated	NIL	Mineral is not exhausted from the pit.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		Mineral is not exhausted from the pit. Thus, backfilling, reclamation etc. are not envisaged.	

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).	Before 1st July	Not Submitted	Violation issued.
6b	Area available for rehabilitation (ha) .	NIL	NIL	Mineral is not exhausted from the pit. Thus, backfilling, reclamation etc. are not envisaged.
6c	afforestation done (ha).	0.333HA	0.333HA	Green belt
6d	No. of saplings planted during the year	350nos	350nos	
6e	Cumulative no .of plants		1750 nos.	
6f	Any other method of rehabilitation	NIL	NIL	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NIL	NIL	Mineral is not exhausted from the pit. Thus, backfilling, reclamation etc. are not envisaged.

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NIL	Mineral is not exhausted from the pit. Thus, backfilling, reclamation etc. are not envisaged.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	Mineral is not exhausted from the pit. Thus, backfilling, reclamation etc. are not envisaged.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NIL	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	YES	YES
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Mineral is not exhausted from the pit. Thus, backfilling, reclamation etc. towards the PMCP are not envisaged.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Within Lease Area	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.	BF & Cement	BF & Cement	CaO +35%
7d	Any beneficiation process at mines	NIL	NIL	Dry screening &Crushing

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Dry screening &Crushing for segregation of minerals.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	NIL	
8b	Concurrent use or storage of topsoil	NIL	NIL	Not proposed/ achieved in the year 2019-20
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NIL	NIL	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NIL	Mineral is not exhausted from the pit
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	350nos.	350nos.	For the year 2019-20
8g	Survival rate		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		Advice to develop/ maintain green belt along the lease boundary.	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR Submitted up to = Oct - 2020 AR Submitted up to = 2019-2020	MR Submitted up to = Oct - 2020 AR Submitted up to = 2019-2020	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer and Geologist has not been employed under this rule	Mining Engineer and Geologist has not been employed under this rule	Violation pointed out
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Furnished	As per AR 2019-20:- O/c working-7.67 ha, Waste disposal:- .30ha Plant, buildings etc.- 0.872 Ha, Other-2.9 Ha.	
9d	Scrutiny of Annual return on afforestation	350nos.	350nos.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Limestone:- ROM Stock-Nil BF Grade- 153876.941te	Limestone:- ROM Stock-Nil BF Grade-153876.941te	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale Value Rs 497.53 /Te, Production Cost- 348.60Rs/Te	Sale Value Rs 497.53 /Te, Production Cost:- 348.60Rs/Te	Sample invoice checked.
9h	Scrutiny of Annual return on fixed assets		Rs-2,47,93,281.00	
9k	Scrutiny of Annual return on mining machineries	Hyd.Excavator -2 Tipper-3 Curesher-2 Water Tanker-1	Hyd.Excavator -2 Tipper-3 Curesher-2 Water Tanker-1	

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

Violation observed				Show couse position			
Rule NO.		Issued on	Compliance on	Rule NO.		Issued on	Compliance on
MCDR17	Rule 11(1)	30-DEC-20	08-FEB-21	MCDR17	Rule 11(1)	30-DEC-20	08-FEB-21
MCDR17	Rule 26(2)	30-DEC-20	08-FEB-21	MCDR17	Rule 26(2)	30-DEC-20	08-FEB-21
MCDR17	Rule 33	30-DEC-20		MCDR17	Rule 33	30-DEC-20	
MCDR17	Rule 35(2)	30-DEC-20	08-FEB-21	MCDR17	Rule 35(2)	30-DEC-20	08-FEB-21
MCDR17	Rule 55(1)(3)	30-DEC-20		MCDR17	Rule 55(1)	30-DEC-20	

Date :

(SURESH PRASAD)

Indian Bureau of Mines