

**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 : Shri. G.S.N.Murthy, Lessee's Representative
Official with
Designation
- (iv) Date of Inspection : 11/07/2018
- (v) Prev.inspection date : 23/09/2017

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** : **04/07/2002**
- (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** : **02/07/2022**
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/ : 01/06/2014
Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	13/06/2002
Plan/Scheme of Mining		Modif.of approved Mining Plan	17/11/2004
		Mining Scheme rule 12 MCDR1988	01/02/2008
		Mining Scheme rule 12 MCDR1988	02/05/2012
		Modif.approved Mining Scheme	24/06/2016
		MP review under 17(1) MCR 2016	08/02/2017

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	NIL	Nil	16 boreholes undertaken in the previous year to cover the lease.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	nil	nil	No proposal and achievement in the AY
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	nil	Area explored under G1 category.
1e	Balance reserve as on 01/04/20	5.629MT	5.631MT	
1f	General remarks of inspecting officers on geology, exploration etc			satisfactory

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N1794460 to 1794627 and E 535474 to 535840,	davitation observed between the area N1794575 to N1794545 and E535500 to E535570.	violation pointed out for rectification.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal for top soil generation.Int ercalated waste generated.	as proposed	
2c	Stripping ratio or ore to OB ratio	1:0.11	1:0.11	
2d	Quantity of topsoil generation in m3	Not proposed	nil	
2e	Quantity of overburden generation in m3	10255t	15130t	achieved figure as per the AR 2017-18

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	daviation observed between the area N1794575 to N1794545 and E535500 to E535570.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one for Limestone one for Dolomite	yes	
3b	Quantity of ROM mineral production proposed	1,19,984T Limestone	1,18,000 T limestone	The approved MMP is for Limstone only. Where as the lease is for both Limestone and Dolomite.
3c	Recovery of sailable/usable mineral from ROM production	1,19,984T Limestone	1,18,000 T limestone	
3d	Quantity of mineral reject generation	nil	nil	
3e	Grade of mineral rejects generation and threshold value declared.	not proposed	nil	THV for limstone-CaO 35%
3f	Quantity of sub grade mineral generation.	Not proposed	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.	nil	nil	

3j	Provision of drilling and blasting in mineral benches	Yes	yes	Big size boulder formation observed in the blasting face.
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	yes	
3m	Total area covered under excavation/pits	6.827ha	7.678ha	actual area as per the AR returns 2017-18.
3n	Ore to OB ratio for the pit/mine during the year.	1.0.11	1.0.11	
3o	Total area put in use under different heads at the end of year		Pit-7.678ha waste disposal-0.282ha plants and others-6.609ha	area as per the Annual Return 2017-18.
3p	Production of ROM mineral during the last five year period as applicable	2013-14 to 2017-18- 6.0LT Limestone	2013-14 to 2017-18- 5.78LT Limestone	Ass per the approved MMP proposal for limestone only given. whereas the lease is for both Ls & Dolomite.
3q	General remarks of inspecting officers on method of mining etc.			Deviation observed for change in location of working and violation issued for rectification.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal for top soil and MR generation	Intercalated waste generated and dumped	Deviation observed in place of disposal of waste.

4b	Location of topsoil, OB and mineral reject dumps	No proposal for top soil and MR generation Waste disposal locations between N-1794431 to 1794472 and E-535284 to 535714	deviation observed in location of disposal of waste.	Violation pointed out.
4c	Number of dumps within lease area and outside of lease area	no proposal for dump formation. waste proposed for making safety barrier dev.	nil	deviation observed
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)			
4e	Number of active and alive dumps.		one	
4f	Number of dead dumps.		nil	
4g	Number of dumps established.	nil	nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Waste disposal is proposed for making safety barrier along 7.5m zone. garland drain not proposed	Waste disposal is proposed for making safety barrier along 7.5m zone. garland drain not proposed.	
4i	Length of Retaining wall or garland drain all along dumps	nil	nil	44mx7.5mx2 m safety barrier proposed for green belt dev.
4j	Number of settling ponds	nil	nil	
4k	Specific comments of inspecting officer on waste dump management			Waste disposal were proposed to develop safety belt development.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Mineral not exhausted. No proposal for backfilling.	Nil	
5b	Area under backfilling of mined out area	no proposal	nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	no proposal	nil	
5d	Total area fully reclaimed and rehabilitated	nil	nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Backfilling and Reclamation not proposed as mineral has not exhausted.

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).		Not submitted.	Violation pointed out.
6b	Area available for rehabilitation (ha) .	Not proposed	nil	
6c	afforestation done (ha).	0.333ha along safety barrier	Nil	violation pointed out
6d	No. of saplings planted during the year	333nos.	333nos.	achieved as per AR.
6e	Cumulative no .of plants			
6f	Any other method of rehabilitation	Not proposed	nil	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not proposed	nil	Mineral not exhausted from the pits.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not proposed	nil	Mineral not exhausted from the pits.
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.			No reclamation and rehabilitation work proposed/achieved, the mineral not exhausted from the pit.

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Crushing and screening plant available	Crushing and screening plant available	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	mechanical	Crushing and screening plant installed.
7c	Different grade of mineral sorted out at mines.	reduced size of -75MM size ROM	reduced size of -75MM size ROM blending all above THL.	Crushing and screening plant installed.
7d	Any beneficiation process at mines	nil	nil	Except crushing and screening

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Crushing and screening plant installed.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal for top soil	nil	
8b	Concurrent use or storage of topsoil	No proposal for top soil	nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Overbuden proposed for safety barrier formation. No minerl rerject. crushing output were stacked seperately.	yes	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	no proposal	nil	
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 and additional plantation done (Rule 41)	333nos	333nos.	as per AR 2017-18

8g	Survival rate	80%	
8h	Water sprinkling on roads to control airborne dust	water tanker- 1no.	yes
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Advice to improve the aesthetic beauty in and around the mines area.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	submitted	Submitted.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not furnished	Nil	Observation made and violation issued.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	furnished	area under pit-7.678ha cummlative reclaimed area-nil	
9d	Scrutiny of Annual return on afforestation	furnished	333nos.	Not observed in field satisfactorily.
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		ROM production furnished for both the minerals i.e. Limestone & Dolomite.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost		Ex Mine price-444.80Rs/T Limestone & for Dolomite - 418.88Rs/T Cost of production- 270Rs/T	

9h	Scrutiny of Annual return on fixed assets	furnished	
9k	Scrutiny of Annual return on mining machineries	Furnished.	Small size Excavator using but not furnished.

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)	27/07/2018			
MCDR17	Rule 11(2)	27/07/2018			
MCDR17	Rule 26(2)	27/07/2018			
MCDR17	Rule 27(2)	27/07/2018			
MCDR17	Rule 55(1)(3)	27/07/2018			

Date :

(SURESH PRASAD)

Indian Bureau of Mines