

**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 : Mr.B.C.Udapudi, Lessee
Official with
Designation
- (iv) Date of Inspection : 23/09/2017
- (v) Prev.inspection date : 26/08/2016

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	2 NOS.	16 borehole undertaken in the year 2015.	
1b	Exploration over lease area for geological axis 1 or 2	nil	nil	No proposal and achievement in RY 2016-17.
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			200 x 400 mtrs spacing grid area to brought under axis lor 2.
1e	Balance reserve as on 01/04/20	6.129MT	6.127MT	
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	N 1794453 to N 1794538 E 535605 to 535813	As per proposal	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	yes	However no topsoil reported in RY.
2c	Stripping ratio or ore to OB ratio	1:0.09	1:1.08	
2d	Quantity of topsoil generation in m3	nil	nil	no topsoil reported in RY.
2e	Quantity of overburden generation in m3	Nil	nil	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	No overburden proposed/achieved in RY.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	two	two	
3b	Quantity of ROM mineral production proposed	1.2 LT Limestone.	1.18 LT -Limestone	
3c	Recovery of sailable/usable mineral from ROM production	120000T	1,18000 T	
3d	Quantity of mineral reject generation	10,256 T		9000T O/B handled in the RY.
3e	Grade of mineral rejects generation and threshold value declared.		Nil	No MR reported.
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	NA	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM			Size reduction and screening only.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.		nil	
3j	Provision of drilling and blasting in mineral benches	Yes	Yes	

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	3-4m	4-5m	advice the maintained as approved.
3m	Total area covered under excavation/pits	4.315Ha	As proposed.	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.09	1:0.08	
3o	Total area put in use under different heads at the end of year	9.36ha	9.36ha	
3p	Production of ROM mineral during the last five year period as applicable	6,00,000T	5,56,000 T	Production of limestone for the last five years proposal/achieved.
3q	General remarks of inspecting officers on method of mining etc.			Benches were not maintained properly in places due to bouldary formation. Hence, advice to maintained as proposed.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)		OB at lease bundary for safety berm.	No top soil and MR reported in the RY.
4b	Location of topsoil, OB and mineral reject dumps			No Top soil and MR. OB desposing to maintained safety berm.
4c	Number of dumps within lease area and outside of lease area	one	one	small size.

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)			within UPL.
4e	Number of active and alive dumps.	one	one	
4f	Number of dead dumps.	nil	nil	
4g	Number of dumps established.	nil	nil	
4h	Whether Retaining wall or garland drain all along dumps are there.		yes.	maintenance required.
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall-465m and Garland drain-470m	Maintained the old wall by waste rock.	
4j	Number of settling ponds	nil	nil	
4k	Specific comments of inspecting officer on waste dump management			No topsoil dump and MR. OB used for barricating the ML with safety berm.

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.	NA	Nil	No proposal
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	Nil	
5d	Total area fully reclaimed and rehabilitated		Nil	

5e	General remarks of inspecting officers on backfilling and reclamation etc.	No backfilling/reclamation work proposed and achieved thereof.
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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).		Yes	
6b	Area available for rehabilitation (ha) .	Nil	Nil	Only green belt developement.
6c	afforestation done (ha).	0.331Ha	0.18 Ha	500 sapling planted during 2016-17.
6d	No. of saplings planted during the year	993 nos.	5000 nos.	
6e	Cumulative no .of plants			0.86 Ha area developed for green belt developement. survival rate 60%.
6f	Any other method of rehabilitation	nil	nil	
6g	Cost incurred on watch and care during the year			
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	nil	nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	nil	nil	

6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	nil	nil	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	na	nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	nil	nil	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation		nil	Green belt developed.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	nil	nil	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	na	nil	Mineralized area
6p	Compliance of environmental monitoring (core zone and buffer zone)		yes	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Area not matured for reclamation and rehabilitation hence not proposed.

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area		ROM despatched after size reduction and screening.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Crushing and screening	size reduction and screening.	
7c	Different grade of mineral sorted out at mines.		size reduction and screening.	+CaO +35%,
7d	Any beneficiation process at mines	Crushing and screening.	Crushing and screening.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Crushing and screening undertaking in the site.

Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	yes	yes	Not reported in the RY.
8b	Concurrent use or storage of topsoil		Yes	top soil availability is very less.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	Waste rock /OB used for barricating ML.

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NIL	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		Yes	
8g	Survival rate	60%	60%	
8h	Water sprinkling on roads to control airborne dust		Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Developed back side of office, however advice to develop aesthetic beauty around the mine area.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Submitted		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		ME not appointed	Violation issued and replied as compliance.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes		satisfactory
9d	Scrutiny of Annual return on afforestation		500 sapling	

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore		Sales/Despatches effected for Domestic Consumption and for exports(Limestone) , the quantity of limestone were despatched to different vendors recorded in SMS garade with defferent figures in differenr para.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost		
9h	Scrutiny of Annual return on fixed assets	Given	
9k	Scrutiny of Annual return on mining machineries	Given	

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 55(1)(1	03/10/2017	06/02/2018			

Date :

(SURESH PRASAD)

Indian Bureau of Mines