

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

MCDR inspection REPORT

Goa regional office

Mine file No : KNT/BJP/LST-105/GOA

Mine code : 38KAR26088

- (i) Name of the Inspecting : **SP01**) **SURESH PRASAD**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : **SHRI. GOVINDA SHETTY, MM**
Official with
Designation
- (iv) Date of Inspection : 06/03/2018
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **MUDDAPUR LIME & DOL MINE**
- (b) **Registration NO.** : **IBM/865/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : KARNATAKA
District : BAGALKOT
Village : MUDDAPUR
Taluka : MUDHOL
Post office :
Pin Code : 587122
FAX No. :
E-mail : rkt.rkm60@yahoo.com
Phone : 9448127238,9845531062
- (f) Police Station :
- (g) First opening date : 16/10/2014
- (h) Weekly day of rest : SUN
2. Address for : VILLAGE-MUDDAPUR,
correspondance : TALUKA-MUDHOL,
DISTRICT-BAGALKOT, KARNATAKA-587122.
3. (a) Lease Number : KAR1564
- (b) Lease area : 4.85
- (c) Period of lease : 20
- (d) Date of Expiry : 25/05/2034
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : VEERENDRA R. MATHAD
Bin R.K.Mathad Near
Daneshwari Math Lokapur,
Tq- Mudhol BAGALKOT
KARNATAKA
Phone:09448127238
FAX :

Owner : V.R.MATHAD
AT & PO- LOKAPUR TQ-MUDHOL
BAGALKOT KARNATAKA
Phone:
FAX :

6. Date of approval of Mining : Fresh under rule 22 MCR1960 01/02/2008
Plan/Scheme of Mining : Modif.of approved Mining Plan 30/08/2011

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	2 NOS OF BOREHOLES PROPOSED TO DRILL WITHIN THE CURRENT MOD. OF MINING PLAN PERIOD.
1b	Exploration over lease area for geological axis 1 or 2		nil	2 NOS OF BOREHOLES PROPOSED TO DRILL WITHIN THE CURRENT MOD. OF MINING PLAN PERIOD.
1c	Exploration Agencies and Expenditure in lakh rupees during the year		nil	2 NOS OF BOREHOLES PROPOSED TO DRILL WITHIN THE CURRENT MOD. OF MINING PLAN PERIOD.
1d	Balance area to be explored to bring Geological axis in 1 or 2			2 NOS OF BOREHOLES PROPOSED TO DRILL WITHIN THE CURRENT MOD. OF MINING PLAN PERIOD.
1e	Balance reserve as on 01/04/20	0.043MT	0.067MT	Actual production was less as approved.
1f	General remarks of inspecting officers on geology, exploration etc			Actual production was less as approved. Exploration of two nos. of holes to be undertaken within the plan period. Further, Reserve wrongly shown in the AR pointed out in the violation.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area			
2b	Separate benches in topsoil, overburden and minerals (Rule 15)		given	2532 tons of intercalated waste and 1461 tons of top soil proposed in the year 2016-17. however same were used for safety belt dev.

2c	Stripping ratio or ore to OB ratio	1:0.11	1:0.07	waste handling marginally less.
2d	Quantity of topsoil generation in m3	730m3	730m3	
2e	Quantity of overburden generation in m3	12660T	8750ton	waste handling marginally less as proposed.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			satisfactory.Waste handling less.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one	one	
3b	Quantity of ROM mineral production proposed	25319T	22787T	
3c	Recovery of sailable/usable mineral from ROM production	90%	100%	
3d	Quantity of mineral reject generation	nil	nil	
3e	Grade of mineral rejects generation and threshold value declared.	nil	nil	Threshold value of limestone in Karnataka CaO 35%
3f	Quantity of sub grade mineral generation.	nil	nil	Blending with ore and saled
3g	Grade of sub grade mineral generation	nil	nil	No subgrade mineral proposed
3h	Manual / Mechanised method adopted for segregating from ROM	manual	manual	size reduction and crushing unit nearby the lease.

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	JH with slurry explosive.	JH with slurry explosive.	
3k	Provision of mining machineries in mineral benches		available in small size.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	proposed upto3m.	benches were between 5m -6m.	Obeservation made while inspection and issued violation.
3m	Total area covered under excavation/pits	0.732ha	approx 0.732ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.11	1:0.077	OB handling marginally less.
3o	Total area put in use under different heads at the end of year	0.953Ha	0.843ha	
3p	Production of ROM mineral during the last five year period as applicable	2014-15 to 2016-17-75957 T	2014-15 to 2016-17:- 51574 T	Mines executed in the year 2014-15 only. Therefore, 3years figures furnished.
3q	General remarks of inspecting officers on method of mining etc.			Mines executed in the year 2014-15 only. Height of the benches higher than the propped.Violation pointed out.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Not proposed	Used for safety berm and safety belt preparation.	
4b	Location of topsoil, OB and mineral reject dumps	Ob dump 300E to 350E 50N	nil	No top soil, mineral reject stack proposed.
4c	Number of dumps within lease area and outside of lease area	one within	nil	No top soil, mineral reject stack proposed.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	within	nil	
4e	Number of active and alive dumps.	one	nil	
4f	Number of dead dumps.	na	nil	not available
4g	Number of dumps established.	nil	nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil	Nil	Dumps not developed.
4i	Length of Retaining wall or garland drain all along dumps	nil	nil	
4j	Number of settling ponds		nil	
4k	Specific comments of inspecting officer on waste dump management			One dump of small size proposed. However, not developed actually due to less quantity of ob handling.

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.	Nil	Nil	

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)	USED FOR PLANATION.	no restoration or rehabilitaion proposed.	Top soil used for planation for safety belt dev.
5d	Total area fully reclaimed and rehabilitated	nil	nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No backfilling and rehabilitaion proposed. No maturation as Mines started 3yrs past only.

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).		submitted	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	0.37ha	0.111ha	
6d	No. of saplings planted during the year	50	50nos.	
6e	Cumulative no .of plants	150nos.	200 nos.	For green belt developement and along haul road.
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	No reclamation and rehabilitaion by backfilling.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	nil	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	nil	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)		nil	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	nil	nil	

6p	Compliance of environmental monitoring (core zone and buffer zone)	provided	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		No backfilling and for reclamation and rehabilitaion work proposed as the mining started in the very recent past (3yrs back).

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM	ROM despatch	only size reducion in the pit head.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	manual	manual	Crsushing and screening plant installed adjascenet to the lease.
7c	Different grade of mineral sorted out at mines.	nil	nil	
7d	Any beneficiation process at mines	nil	nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Manual sorting at pit head whereas the Crsushing and screening plant installed adjascenet to the lease.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Used for plantation	Used for plantation	

8b	Concurrent use or storage of topsoil	nil	nil	Used for plantation process for green belt dev.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	One dump proposed for overburden	Nil. No reject and fines dump available	One dump proposed for overburden Nil. No other reject and fines dump available
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	nil	nil	
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)	150nos.	200nos sapling planted	
8g	Survival rate		80%	
8h	Water sprinkling on roads to control airborne dust		Yes	Advice to develop effective dust suppression system in Crushing area also placed adjacent to the lease,.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Planataion carried out for green belt dev in some part of the lease as proposed. Advice to develop effective dust suppression system in Crushing area also placed adjacent to the lease,.

Sl.No.	Item	Propasals	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			Appointed 1st class Mines Manager for supervion.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		provided.	Land use pattern as furnished are available in the field.
9d	Scrutiny of Annual return on afforestation		150nos given	during the year 2016-17 was 50nos and cummm planation 200nos.
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		given	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost		provided	Furnished Ex Mine price 365.57 Rs./T for the year 2016-17.
9h	Scrutiny of Annual return on fixed assets		Not shown.	Fixed asset not shown in the AR 2016-17. and hence Violation pointed out.
9k	Scrutiny of Annual return on mining machineries			Air compressor furnished in The AR.

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)	22/03/2018			
MCDR17	Rule 11(2)	22/03/2018			
MCDR17	Rule 27(2)	22/03/2018			
MCDR17	Rule 45(7)(a)	22/03/2018			

Date :

(SURESH PRASAD)

Indian Bureau of Mines