

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

**MCDR inspection REPORT**

**Goa regional office**

**Mine file No :** KNT/BJP/LST-64/GOA

**Mine code :** 38KAR26047

- (i) Name of the Inspecting : P01 ) PREM PRAKASH  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : SHRI. B.P.REDDY, MANAGER  
Official with  
Designation
- (iv) Date of Inspection : 09-DEC-20
- (v) Prev.inspection date : 01-DEC-19

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : LOKAPUR (ML 2390)
- (b) **Registration NO.** :
- (c) **Category** : A Other than Fully Mech.
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : KARNATAKA
- District : BAGALKOT
- Village : Lokapur
- Taluka :
- Post office :
- Pin Code : 01
- FAX No. :
- E-mail : raikarmines@gmail.com
- Phone : 9480533560
- (f) **Police Station** : Lokapur
- (g) **First opening date** : 13-APR-03
- (h) **Weekly day of rest** : TUE
2. **Address for correspondance** : Lokapur Limestone Mine of M/s Vadiraj Minerals  
AT-Lokapur Tq-Mudhol  
Dist-Bagalkot , Karnataka-587122
3. (a) **Lease Number** : KAR1476
- (b) **Lease area** : 4.85
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 12-MAR-23
4. **Mineral worked** : LIMESTONE Main

## 5. Name and Address of the

Lessee : C.G.RAIKAR  
 C/o Vijayalaxmi Jewellers  
 Vallabhai Chowk Bagalkot  
 BAGALKOT KARNATAKA  
 Phone:0835-420456  
 FAX :

Owner : C.G.RAIKAR  
 C/o-Vijayalaxmi Jewellers  
 Vallabhai Chowk Bagalkot  
 BAGALKOT KARNATAKA  
 Phone: 08354-222126  
 FAX :

## Mining Engineer

Name : Bandi Prabhakar Reddy, Full Time  
 Qualification : Diploma in Mining Engg & Second Class Ma  
 Appointment/ : 01-JAN-14  
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	13-JAN-03
Plan/Scheme of Mining		Modif.of approved Mining Plan	24-OCT-06
		Mining Scheme rule 12 MCDR1988	09-OCT-09
		Mining Scheme rule 12 MCDR1988	20-NOV-13
		Modif.approved Mining Scheme	02-JUN-16
		MP modif under 17(3) MCR 2016	31-JAN-18

## 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	
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 lease area is explored under G1 level
1e	Balance reserve as on 01/04/20			
1f	General remarks of inspecting officers on geology, exploration etc			Entire lease area is mentioned explored under G1 level in approved MMP.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N-1786610 to 1786657 E- 540855 to 540930 And N-1786494 to 1786602 E- 540912 to 541072	Development/excavation has been carried out in the same area as proposed in Mining Plan.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Top soil -nil, O/B - nil, Mineral with intercalated waste -4 benches	Top soil -nil, O/B - nil, Mineral with intercalated waste -4 benches	
2c	Stripping ratio or ore to OB ratio	1:0.04	1:0.02	te : te
2d	Quantity of topsoil generation in m3	Nil	Nil	

2e	Quantity of overburden generation in m3	4049 Tonnes	1200 Tonnes	IB/waste quantity given, as per Annual return submitted for 2019-20
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Development/excavation has been carried out in the same area as proposed in approved Mining Plan (MMP). However, less development and production carried out, reportedly due to less demand from consuming industry.	

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1 No.	1 No.	
3b	Quantity of ROM mineral production proposed	1,00,000 Tonnes for 2019-20	53003 Tonnes	ROM quantity given, as per Annual return submitted for 2019-20
3d	Quantity of mineral reject generation	Nil	Nil	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Mechanized	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No	No	
3j	Provision of drilling and blasting in mineral benches	jack hammer drilling and blasting	jack hammer drilling and blasting	
3k	Provision of mining machineries in mineral benches	Excavator & Tipper combination	Excavator & Tipper combination	

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes Height 6 mtrs	Yes, height of benches almost maintained.	
3m	Total area covered under excavation/pits	3.74 ha up to 2022-23	About 3.65 ha Up to 2019-20	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.04	1:0.02	Te:Te
3o	Total area put in use under different heads at the end of year	4.6 ha up to 2022-23	About 4.43 ha. Up to 2019-20	as per Annual return submitted for 2019-20
3p	Production of ROM mineral during the last five year period as applicable	2015-16 90,000 te 2016-17 90,000 te 2017-18 90,000 te 2018-19 1,00,000 te 2019-20 1,00,000 te	2015-16 90,000 te 2016-17 90,000 te 2017-18 88,500 te 2018-19 55,500 te 2019-20 53,003 te	Limestone Production (te) Quantity given as reported in approved MMP and Annual return submitted for 2019-20
3q	General remarks of inspecting officers on method of mining etc.		Open cast workings being carried out in small scale with shovel-tippers combination.	

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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	yes	Separate Dumping for OB/IB being done	
4b	Location of topsoil, OB and mineral reject dumps	Waste dumping was approved to be carried at the earmarked place in the N-W corner of ML area near to BP-4	Whereas, waste dumping observed being carried out at non-approved area near to BP-3	Violation issued for the same.

4c	Number of dumps within lease area and outside of lease area	Lease area = 1 Non Lease area = NIL	Lease area = 1 Non Lease area = NIL
4e	Number of active and alive dumps.	Nil	Nil
4g	Number of dumps established.	1	1
4h	Whether Retaining wall or garland drain all along dumps are there.	Safety bund to be formed along the dump	Safety bund is formed along the dump
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil
4j	Number of settling ponds	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management		Waste dump has not been made at the earmarked place; Hence, Violation issued for the same.

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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.	backfilling, reclamation etc. are not proposed	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)	Nil	Nil	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	

5e	General remarks of inspecting officers on backfilling and reclamation etc.	Mine has not reached up to ultimate depth and no any part of the lease area is fully extracted or got exhausted of mineral. Hence, backfilling, reclamation etc. are not proposed in this plan period.
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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).	To be Submitted	Not Submitted	Violation issued for the same
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	0.124ha	0.124ha	
6d	No. of saplings planted during the year	124 nos	150 nos	
6f	Any other method of rehabilitation	Nil	Nil	
6g	Cost incurred on watch and care during the year	Rs.6200	Rs.6000 approx	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Nil	Nil	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Nil	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)	Regular Environment monitoring has been envisaged in PMCP.	However, Environment monitoring report was not made available during inspection.	Violation issued for the same
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Plantations have been carried out along the safety zone in periphery of the lease area.	

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	grade wise sorting	grade wise sorting	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical; Crushing & Screening	Mechanical; Crushing & Screening	
7c	Different grade of mineral sorted out at mines.	yes	yes	
7d	Any beneficiation process at mines .	No beneficiation process at mines	No beneficiation process at mines	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Blending, sorting & sizing of mineral being carried out by Mechanical dry processing.	



## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal for top soil generation during the year 2019-20	Nil	
8b	Concurrent use or storage of topsoil	Nil	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	For O/B only	O/B only	
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)	124 Nos	150 Nos	
8g	Survival rate		60 %	
8h	Water sprinkling proposed on roads to control airborne dust			Water sprinkling on roads being carried out using water tanker
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty of mine in and around mines area observed to be good.

## Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns		MR Submitted up to = Nov-2020 AR Submitted up to =2019-20	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer-Nil, Geologist-Nil and Manager-1	Mining Engineer-Nil, Geologist-Nil and Manager-1	Violation issued in this respect.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit-3.65ha Waste Dump-0.12 ha	Pit-3.65ha Waste Dump-0.12 ha	
9d	Scrutiny of Annual return on afforestation	150 plants	150 plants	
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 stock- Nil	ROM stock- Nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	ex-mine price-453, Production cost-Rs353.3	ex-mine price-453, Production cost-Rs353.3	Rs/Te
9h	Scrutiny of Annual return on fixed assets	3051976 Rs.	3051976 Rs.	
9k	Scrutiny of Annual return on mining machineries	furnished	furnished	

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**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)	07-JAN-21			
MCDR17	Rule 26(2)	07-JAN-21			
MCDR17	Rule 31(4)	07-JAN-21			
MCDR17	Rule 45(7)(a)	07-JAN-21			

**Date :**

**(PREM PRAKASH)**

Indian Bureau of Mines