

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPMENT 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.PRABHAKAR REDDY, MINES MANAGER  
Official with  
Designation
- (iv) Date of Inspection : 24-MAY-19
- (v) Prev.inspection date : 11-JUL-18

**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 correspondence** : 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	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserve as on 01/04/20	Reserve (111) as on 1/11/2017 - 2153083Te of Lime stone	Updated Reserve (111) as on 1/4/2019 - 2069583Te of Lime stone	
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	Development/excavation proposed between X-sections C-C' TO DD' end E-E' TO G-G'	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	1:0.03	te : te
2d	Quantity of topsoil generation in m3	1099 cum	450 cum	Used for plantation

2e	Quantity of overburden generation in m3	4049 te	1600 te	Quantity given as reported during inspection; Annual return for 2018-19 has not been submitted till the date of inspection, Due dt. of submission up to 1st july 2019
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 Mining Plan (scheme of Mining). However, less development and production carried out, reportedly due to less demand from consuming industry.	

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#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01 No.	01 No.	
3b	Quantity of ROM mineral production proposed	1,00,000 mts	55,500mts	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	NA	NA	

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3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised (mobile Crusher/screen )	Mechanised (mobile Crusher/screen)	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No	NA	
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	Tipper and excavator 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 3.6 ha Up to 2018-19	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.04	1:0.03	Te : Te
3o	Total area put in use under different heads at the end of year	4.6 ha up to 2022-23	About 4.6 ha. Up to 2018-19	
3p	Production of ROM mineral during the last five year period as applicable	2014-15 90,000mts 2015-16 90,000mts 2016-17 90,000mts 2017-18 90,000mts 2018-19 1,00,000mts	2014-15 89,000mts 2015-16 90,000mts 2016-17 90,000mts 2017-18 88,500mts 2018-19 55,500mts	Limestone Production (te) Quantity given as reported in Mining Plan Review/Annual Returns and for 2018-19 as reported in Monthly Returns
3q	General remarks of inspecting officers on method of mining etc.		Open cast workings being carried out in small scale with shovel- tippers combination.	

## 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 and Top Soil stack being done at the mines	
4b	Location of topsoil, OB and mineral reject dumps	As per approved MMP, in year 2018-19 & 2019-20 the waste dump proposed to be made at earmarked place in north western side of the lease near to ML boundary pillar BP-4.	However, waste dump has not been made at the earmarked place; instead it was made near to ML boundary pillar 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	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	
4e	Number of active and alive dumps.	Nil	Nil	
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.	As per approved MMP, in year 2018-19 a bund of 115 m length, 7.5 m width & 2 m height proposed to be made at earmarked place in north western side of the lease near to ML boundary pillar BP-4 along the 7.5 m safety barrier in two sides of proposed waste dump.	However, the same has not been made at the earmarked place.	Violation issued for the same.

4i	Length of Retaining wall or garland drain all along dumps	Not specified	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; and also not protected by bund, Violation issued for the same.

#### 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 is not reached up to ultimate depth and no part of the lease area is fully extracted or got exhausted of mineral. Hence, backfilling, reclamation etc. are not proposed in this plan period.

#### Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	-	-	Not submitted till the date of inspection for year 2018-19, due date of submission is up to 1st july 2019
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	Nil	Nil	
6d	No. of saplings planted during the year	Nil	Nil	
6e	Cumulative no .of plants	Nil	Nil	
6f	Any other method of rehabilitation	Nil	Nil	
6g	Cost incurred on watch and care during the year	Nil	Nil	
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 on backfilled area	Nil	Nil	
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	124 nos.	130 nos.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.124 ha. along Safety Zone	0.12 ha. along Safety Zone
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	plantation	plantation
6p	Compliance of environmental monitoring (core zone and buffer zone)	PROPOSED	Environmental monitoring being carried out regularly and parameters are found within permissible limit
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Plantations being carried out along the safety zone in periphery of the lease area.

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	grade wise sorting within lease area	grade wise sorting within lease area	
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	

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7d	Any beneficiation process at mines	Dry Crushing & Screening	Dry Crushing & Screening
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Blending, sorting & sizing of mineral being carried out by Mechanical dry processing through mobile Crushing & Screening plants.

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**Environment :**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Separate removal & utilization	Separate removal & utilization	
8b	Concurrent use or storage of topsoil	Utilization for bund formation & planation	Utilized for planation	
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)	NA	NA	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	124 nos.	130 nos.	

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8g	Survival rate	-	About 50 %
8h	Water sprinkling on roads to control airborne dust	yes	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.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR Submitted up to = April-2019 AR Submitted up to =2017-18		A.R. 2018 - 19 yet to be submitted till the date of inspection, due date of submission is up to 1st july 2019.

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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-JUN-19			
MCDR17	Rule 35(2)	07-JUN-19			

**Date :**

**(PREM PRAKASH)**

Indian Bureau of Mines