

**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. PRABHAKAR REDDY, MINES MANAGER
Official with
Designation
- (iv) Date of Inspection : 11-MAR-22
- (v) Prev.inspection date : 09-DEC-20

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	NA	NA	-
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	-	Mineral Reserve (111)- 1985580 Mts as on 01/04/2021	As per Annual Return submitted for FY 20-21
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	Between co-ordinates N-1786550 to 1786646 & E- 540822 to 540970 And N-1786500 to 1786572 E- 540972 to 541064 in FY 2020-21	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	1:0.013	te : te

2d	Quantity of topsoil generation in m3	Nil	Nil	-
2e	Quantity of overburden generation in m3	4049 Tonnes	400 Tonnes	-
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 Corona Covid Pandemic restrictions.

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 in FY 2020-21	31000 Tonnes in FY 2020-21	As reported during inspection, production quantity was achieved less due to Corona Covid Pandemic restrictions.
3c	Recovery of sailable/usable mineral from ROM production	95%	About 98 %	-
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	-

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	Tipper and excavator combination	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, height of benches proposed as 6 mtrs	Yes, height of benches almost maintained as proposed	-
3m	Total area covered under excavation/pits	3.74 ha up to 2022-23	About 3.6 ha Up to 2020-21	as per Annual return submitted for 2020-21
3n	Ore to OB ratio for the pit/mine during the year.	1:0.04	1:0.013	-
3o	Total area put in use under different heads at the end of year	4.6 ha up to 2022-23	4.44 ha Up to 2020-21	as per Annual return submitted for 2020-21
3p	Production of ROM mineral during the last five year period as applicable	2016-17 90,0000 te 2017-18 90,000 te 2018-19 1,00,000 te 2019-20 1,00000 te 2020-21 1,00,000 te	2016-17 90,000 te 2017-18 88,500 te 2018-19 55,500 te 2019-20 53,003 te 2020-21 31,000 te	Limestone Production (te) Quantity given as reported in approved MMP and Annual returns submitted

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 proposed at the earmarked place in the N-W corner of ML area	waste dumping being carried out at the same area	-
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.	1	1	-
4f	Number of dead 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 been made in the earmarked area

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.

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	Submitted	-
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	NA	NA	-
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	NA	NA	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA	-
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	NA	-
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	-	-	-
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	100 plants	100 plants	-
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	along ML boundary in 7.5m Safety Zone	along ML boundary in 7.5m Safety Zone	-

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)	Environment monitoring has been envisaged in PMCP.	Environment monitoring being carried out periodically.	Environmental parameters were within the permissible limit
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	Nil	Nil	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	sorting & sizing of mineral being carried out by Mechanical dry processing.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	No proposal for top soil generation	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)	-	plantation reported done in FY2020-21=100 Plants WML, 200 Nos. OML	-
8g	Survival rate	-	60 %	-
8h	Water sprinkling on roads to control airborne dust	proposed	Water sprinkling on roads being carried out by 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 = Feb-2022 AR Submitted up to =2020-21	-
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-3.66ha Reclaimed-0.000 Dums-0.12ha	Pit-3.66ha Reclaimed-0.000 Dums-0.12ha	As per Annual Return submitted for FY 2020-21
9d	Scrutiny of Annual return on afforestation	100 Plants WML, 200 Nos. OML	100 plants WML	-
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; graded ore- BF -22454.715 te	ROM stock -Nil; graded ore- BF - 22454.715 te	As per Annual Return submitted for FY 2020-21
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	ex-mine price-468 (in ? Per Tonne); Production cost-Rs363.3 (in ? Per Tonne)	ex-mine price-468 (in ? Per Tonne); Production cost-Rs363.3 (in ? Per Tonne)	As per Annual Return submitted for FY 2020-21
9h	Scrutiny of Annual return on fixed assets	Rs. 2803976	Rs. 2803976	As per Annual Return submitted for FY 2020-21
9k	Scrutiny of Annual return on mining machineries	SHOVEL (HYDRAULIC) 0.9 m3-1 no., tipprs-4 m3-3 nos.,	SHOVEL (HYDRAULIC) 0.9 m3-1 no., tipprs-4 m3-3 nos.,	-

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)	31-MAR-22			
MCDR17	Rule 55(1)(3)	31-MAR-22			

Date :

(PREM PRAKASH)

Indian Bureau of Mines