

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

MCDR inspection REPORT

Goa regional office

Mine file No : KNT/BJP/LST-89/GOA

Mine code : 38KAR26070

- (i) Name of the Inspecting : **NKK**) **NARESH KUMAR KATARIYA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Sh. L. S. Hiremath, Sh V Pujar-Mining Engr, Sh. Suraj
Official with
Designation
- (iv) Date of Inspection : 04-MAR-24
- (v) Prev.inspection date : 09-DEC-20

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **LOKAPUR (ML. NO. 2575)**
- (b) **Registration NO.** : **IBM/5355/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : KARNATAKA
- District : BAGALKOT
- Village : LOKAPUR
- Taluka : MUDHOL
- Post office : LOKAPUR
- Pin Code : 587122
- FAX No. : 08350-240149
- E-mail : bml2575@gmail.com
- Phone : 9448225799
- (f) Police Station : LOKAPUR
- (g) First opening date : 06-MAR-08
- (h) Weekly day of rest : TUE
2. Address for : SHRI L.S.HIREMATH
correspondance : GANIGARA GALLI, AT& PO-LOKAPUR-587122,
TQ-MUDHOL, DIST-BAGALKOT
3. (a) Lease Number : KAR1521
- (b) Lease area : 4.05
- (c) Period of lease : 50
- (d) Date of Expiry : 03-FEB-58
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : LINGANAND S HIREMATH
 GANIGARA GALLI LOKAPUR TQ-
 MUDHOL BAGALKOT KARNATAKA
 Phone:9448225799
 FAX :

Owner : LINGANAND S HIREMATH
 GANIGARA GALLI AT & PO-
 LOKAPUR TQ-MUDHOL BAGALKOT
 KARNATAKA
 Phone:
 FAX :

Mining Engineer

Name : GIRISH BELLARI,Part Time
 Qualification : B.Tech.(Mining), First Class Mine Mgr. C
 Appointment/ : 01-AUG-14
 Termination date

Geologist

Name : SHRI. SURAJ S.NENSE,Part Time
 Qualification : M.Sc (GEOLOGY)
 Appointment/ : 15-DEC-21
 Termination date

Manager

Name : Shri B.R.Hebbal
 Qualification : Mine mate permit manager holder
 Appointment/ : 01-NOV-13
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	19-FEB-07
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	26-JUL-13
		MP modif under 17(3) MCR 2016	27-DEC-16
		MP review under 17(1) MCR 2016	24-JAN-22

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal	Nil	
1b	Exploration over lease area for geological axis 1 or 2	G1 proposed	G1	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	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		0.33 million tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			Complete area is reported G1 as per approved document.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	E539425 to E539505 N1787850 to N1787965	E539460 to E539540 N1787900 to N1787950	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed	03 benches in ore maintained seperated from the OB benches.	The benches are not maintained as per approved documet. Violation pointed out for the same.
2c	Stripping ratio or ore to OB ratio	1:0:07	1:0:07	
2d	Quantity of topsoil generation in m3	1125	1125	

2e	Quantity of overburden generation in m3	5000	4250	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mine benches are not maintained as per approved document. Violation pointed out for the same.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	40000 tonnes	38030 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	100% ROM salable	100%	
3d	Quantity of mineral reject generation	No proposal	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	Nil	
3f	Quantity of sub grade mineral generation.	No proposal	Nil	
3g	Grade of sub grade mineral generation	No proposal	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	NA	
3j	Provision of drilling and blasting in mineral benches	Jack Hammer Drilling & Blasting	Jack Hammer Drilling & Blasting	
3k	Provision of mining machineries in mineral benches	No proposal	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3m bench height proposed	3m bench height is not maintained as per approved document	Violation pointed out for the same under rule 11(1) of the MCDR 2017.
3m	Total area covered under excavation/pits	1.58 Ha.	1.4 Ha.	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.7	1:0.7	
3o	Total area put in use under different heads at the end of year	Mining: 1.58 ha. Dumping: 0.2 Ha. Infrastructure s and Road: 0.20 Ha.	Mining: 1.40 ha. Dumping: 0.025 Ha. Infrastructures and Road: 0.20 Ha.	
3p	Production of ROM mineral during the last five year period as applicable	2018-19: 40,000 2019-20: 40,000 2020-21: 40,000 2021-22: 40,000 2022-23: 40,000 (in tonnes)	2018-19: 27470 2019-20: 34840 2020-21: 27220 2021-22: 23970 2022-23: 38030 (in tonnes)	Mine benches are not maintained as per approved document. VL issued.

3q	General remarks of inspecting officers on method of mining etc.	The mine benches are not maintained as per approved document. VL is issued.
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Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping of top soil and waste proposed.	The ROM was found stacked along the 7.5m safety barrier of the mining lease area.	VL issued.
4b	Location of topsoil, OB and mineral reject dumps	Waste dumping proposed southern side of the ML area.	No change in location.	The ROM was found stacked along the 7.5m safety barrier of the mining lease area. VL issued.
4c	Number of dumps within lease area and outside of lease area	Lease area = 01 Non Lease area = 0	Lease area = 01 Non Lease area = 0	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Proposed within UPL	Within UPL.	
4e	Number of active and alive dumps.	1 active dump	1 active dump	
4f	Number of dead dumps.	No proposal	Nil	
4g	Number of dumps established.	No proposal	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposed.	Maintained.	No deviation in respect of dump management
4i	Length of Retaining wall or garland drain all along dumps	100m retaining wall and 100m garland drain to be maintained.	Maintained as per proposal.	
4j	Number of settling ponds	No proposal	NIL	

4k	Specific comments of inspecting officer on waste dump management	Dump management is being done as per approved document.
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Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No proposal	Nil as the mine pits are not matured for backfilling.	
5b	Area under backfilling of mined out area	No proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Used for Bunds plantation	Used for Bunds plantation	
5d	Total area fully reclaimed and rehabilitated	No proposal	NA	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Mine pits are not matured for backfilling since mineral persists at the bottom of mine workings.

Progressive Mine Clousre Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Proposed.	YES	

6b	Area available for rehabilitation (ha) .	No proposal	NA
6c	afforestation done (ha).	0.10 Ha.	0.10 Ha. along 7.5 m barrier zone.
6d	No. of saplings planted during the year	200	200
6e	Cumulative no .of plants	Not specified	Approx. 500 in the ML area.
6f	Any other method of rehabilitation	No proposal	Nil
6g	Cost incurred on watch and care during the year	Rs. 10,000/-	Rs. 10,000/-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	NA
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	NA
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal	NA
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	NA

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	NA	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	NA	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	NA	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	NA	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed.	Carried out on half yearly basis and parameters are found within stipulated limit.	Annual report on PMCP submitted along with AR.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM dispatch	ROM dispatch after manual sorting and sizing.	

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	Proposed for all +34% CaO.	No change.	Average quality of the mine is of cement grade limestone.
7d	Any beneficiation process at mines .	No proposal.	No	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No deviation in respect of mineral conservation was observed during the inspection.

Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	1126 m ³	1126 m ³	
8b	Concurrent use or storage of topsoil	Plantation	Plantation	
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	Stacking	Stacking	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	NA	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Yes	Apprx. 500 nos. saplings were planted within ML so far along the safety barrier.	
8g	Survival rate	75%	75%	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around mines area is good and impact on environment due to mining operation is very less due to small manual scale mining operation.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		M.R. Submitted in time. & A.R. Submitted up to 2022-2023	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	Mining Engr - Sh. S R BASUTKAR Geologist - Sh. S.S. Mansule	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	Mining: 1.40 ha. Dumping: 0.025 Ha. Infrastructures and Road: 0.20 Ha.	
9d	Scrutiny of Annual return on afforestation	Yes	200 nos.	
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	Yes	ROM closing stock 25692 tonnes	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Yes	As per AR.	
9h	Scrutiny of Annual return on fixed assets	Yes	Rs. 982761	
9k	Scrutiny of Annual return on mining machineries	Yes	NIL	Manual Mining B category.

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)	08-MAY-24			

Date :

(NARESH KUMAR KATARIYA)

Indian Bureau of Mines