

**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 : **SP01**) **SURESH PRASAD**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : **SHRI.L.S.HIREMATH, LESSEE**
Official with
Designation
- (iv) Date of Inspection : 09-DEC-20
- (v) Prev.inspection date : 13-DEC-19

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **LOKAPUR (ML. NO. 2575)**
- (b) **Registration NO.** :
- (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 : 4.86
- (c) Period of lease : 20
- (d) Date of Expiry : 03-FEB-28
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

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

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	Entire area covered under G 1/2
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	Entire area covered under G 1/2
1e	Balance reserve as on 01/04/20		Reserves as on 1.4.2020 -618778 tons.	As per Annual returns 2019-20
1f	General remarks of inspecting officers on geology, exploration etc		Entire area is covered under G1 level of exploration. Further, geological disturbances & intercalated waste observed in the active benches.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Top soil-No proposal OB-No separate bench proposal Mineral Benches E-539479 - 539542 N-1786910-1787046.	OB-No separate bench proposal. Mineral Benches E-539479 - 539145 N-1786910- 1786742.	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Top soil-No proposal OB-No separate bench proposal Mineral Benches E-539479 - 539542 N-1786910-1787046.	OB-No separate bench Mineral Benches E-539479 - 539145 N-1786910- 1786742.	
2c	Stripping ratio or ore to OB ratio	1:0.10	1: 0.15	
2d	Quantity of topsoil generation in m3	NIL	NIL	
2e	Quantity of overburden generation in m3	1778 m3	4200 m3	Proposed waste-10% & Achieved waste-23.5%. Due to higher intercalated waste generated during extraction.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Observed intercalated waste generated in the working faces due to geological disturbances.	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One Pit	One Pit	
3b	Quantity of ROM mineral production proposed	40000 te	34840 te	
3c	Recovery of sailable/usable mineral from ROM production	90%	87%	more intercalated waste quantity observed.
3d	Quantity of mineral reject generation	No proposal	Nil	

3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	Not applicable	THV 35% CaO
3f	Quantity of sub grade mineral generation.	No proposal	NIL	
3g	Grade of sub grade mineral generation	Not applicable	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual and OTFM	Manual and OTFM	
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	proposed drilling & blasting.	Jack Hammer drill and controlled blasting adopted in mines	
3k	Provision of mining machineries in mineral benches	Small capacity	Small capacity	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	
3m	Total area covered under excavation/pits		3.10 Ha	As per AR 2019-20
3n	Ore to OB ratio for the pit/mine during the year.	1:0.10	1:0.15	
3o	Total area put in use under different heads at the end of year		Opencast working -3.10ha Waste disposal-0.025 ha Others -0.151Ha	As per AR 2019-20

3p	Production of ROM mineral during the last five year period as applicable	2015-16-40000 tons 2016-17-40000 tons 2017-18-40000 tons 2018-19-40000 tons 2019-20-40000 tons	2015-16-12440 tons 2016-17-40000 tons 2017-18-38700 tons 2018-19-27470tons 2019-20-34840tons
3q	General remarks of inspecting officers on method of mining etc.		Mining with small capacity machinery and manual sorting of ore observed.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	Actual dumping made as shown in approved Modified Mining plan	
4b	Location of topsoil, OB and mineral reject dumps	Waste Dump location N1785943-N1785981& E539477-- E539530	Waste Dump location N1785943-N1785981& E539477-- E539530	
4c	Number of dumps within lease area and outside of lease area	Lease area = 01 Non Lease area = Nil	Lease area = 01 Non Lease area = Nil	
4e	Number of active and alive dumps.	Active Dumps- 01	Active Dumps-01	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	01	01	
4h	Whether Retaining wall or garland drain all along dumps are there.	yes	Retaining wall made all along the safety zone(below dump yard).	
4i	Length of Retaining wall or garland drain all along dumps		Retaining wall-2019-20 L-50mt,W-1mt,H-1mt Garland Drain- L-50mt,W-1mt,H-1.5mt	

4j	Number of settling ponds	Settling ponds 02 -L-10 mt,D-4mt and L-8 mt,D-4mt.
4k	Specific comments of inspecting officer on waste dump management	Small capacity mines with small scale of waste handling & dump formation.

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.	No proposal	NIL	Mineral not exhausted from the pit and hence area not matured for backfilling.
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.		Mineral not exhausted from the pit and hence area not matured for backfilling and reclamation.	

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).	Yes	Yes submitted	

6b	Area available for rehabilitation (ha) .	NIL	NIL	Mineral not exhausted from the pit and hence area not matured for backfilling/rehabilitation.
6c	afforestation done (ha).	yes	For green belt developement & gap filling	
6d	No. of saplings planted during the year	160 nos	160 nos	
6e	Cumulative no .of plants		400nos.	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NIL	NIL	Mineral not exhausted from the pit and hence area not matured for backfilling.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	Mineral not exhausted from the pit and hence area not matured for backfilling.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Nil	NIL	
6p	Compliance of environmental monitoring (core zone and buffer zone)		Environmental monitoring of Air, Nose, Water analysis do ne through NABL Laboratory from Hospete	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Retaining wall Garland drainage expenses reported as Rs: 145000/-	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral dispatch or grade wise sorting within lease area proposed.	ROM mineral dispatch or grade wise manual sorting within lease area being carried out.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual.	Manual.
7c	Different grade of mineral sorted out at mines.		CaO +40% & blending
7d	Any beneficiation process at mines .	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		No beneficiation proposed/achieved. However manual sorting of ore observed.

Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NIL	NIL	
8b	Concurrent use or storage of topsoil	Nil	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed Separate dumps for waste rock/ rejects.	Only one waste rock/ rejects dump	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	yes	160 nos	During 2019-20.
8g	Survival rate	60%	60%	
8h	Water sprinkling on roads to control airborne dust	Proposed Tractor mounted water tanker.	Proposed Tractor mounted water tanker.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		satisfactory	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR Submitted up to = Nov 2020 AR Submitted up to = 2019-20	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	Girish Ballary, Mining Engineer .	Mining Engineer with degree in Mining Engg has appointed.	Violation issued for appointment of Geologist.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Under Pit: 3.10 Ha Dumps: 0.025 Ha Road and others : 0.151 Ha	Under Pit: 3.10 Ha Dumps: 0.025 Ha Road and others : 0.151 Ha	Shown in AR 2019-20.
9d	Scrutiny of Annual return on afforestation	160No's within lease area	160No's within lease area	Observed that the mine office area is developed with good plantations.
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	Limestone ROM stock- 22769.441 Te Grade wise cement grade- 22769.441 Te	Limestone ROM stock-22769.441 Te Grade wise cement grade- 22769.441 Te	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine price : 389.20/- Rs/te Production Cost : 345/- Per ton	The domestic sale of mineral were carried out to the some buyers without having registration number as allotted by Indian Bureau of Mines	Violation issued.
9h	Scrutiny of Annual return on fixed assets		shown	
9k	Scrutiny of Annual return on mining machineries	Tractor - 1 No's Compressor- 1 No's Water Tanker - 1 No's	Tractor - 1 No's Compressor- 1 No's Water Tanker - 1 No's	

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 45(7)(a)	05-JAN-21				
MCDR17 Rule 55(1)(3)	05-JAN-21				

Date :

(SURESH PRASAD)

Indian Bureau of Mines