

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

Review and updation of Mining Plan REPORT

Goa regional office

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

Mine code : 38KAR26070

- (i) Name of the Inspecting : VT01) VIDYADHAR V.TARI
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : S/SHRI. L.S.HIREMATH, LESSEE & G.S.HEGDE, TQP
Official with
Designation
- (iv) Date of Inspection : 24-DEC-21
- (v) Prev.inspection date :

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 correspondance** : SHRI L.S.HIREMATH
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

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

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal	Nil	05 Core boreholes were reported drilled by lessee for total 115 meterage in the year 2016-17
1b	Exploration over lease area for geological axis 1 or 2	No exploration proposal is given during the year 2020-21.	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal during 2020-21	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	03 Nos. Core boreholes are proposed to be drilled during 2021-22	Nil	
1e	Balance reserve as on 01/04/20		Total Reserves of Limestone is 0.59 million Tonnes	As on 01.04.2021
1f	General remarks of inspecting officers on geology, exploration etc			No exploration proposal is given for the year 2020-21. However, Lessee has proposed to drill 03 Core boreholes during 2021-22

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Proposal is given in the existing pit as shown over Production /Development Plan.	No change in development location	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not proposed	Nil	

2c	Stripping ratio or ore to OB ratio	1:0.10	1:0.23	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	1778 m3 (4444 tonnes) during 2020-21	6500 tonnes during 2020-21	Proposed waste - 10% & Achieved waste-23.57%. Due to higher intercalated waste generation
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			During FY 2020-21 Intercalated waste generation in the working faces was on higher side (28.57%) than the proposed (10%)

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single pit	As per the proposal, only single pit is available / present	
3b	Quantity of ROM mineral production proposed	40000 tonnes 40000 tonnes	27220 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	95% 95%	81%	Due to higher intercalated waste generation
3d	Quantity of mineral reject generation	Not proposed	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not Applicable	Not Applicable	
3f	Quantity of sub grade mineral generation.	Not proposed	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 Jack Hammer drilling & blasting by using slurry explosives	Jack Hammer drilling and blasting by using slurry explosives	
3k	Provision of mining machineries in mineral benches	Excavator of 0.63 Cu.Mt in hard zone	No change	
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 Annual Return of F.Y 2020-21
3n	Ore to OB ratio for the pit/mine during the year.	1:0.10	1:0.23	Due to higher intercalated waste generation
3o	Total area put in use under different heads at the end of year	Mining- 1.10 ha, Office- 0.005 ha, Dumps-0.10 ha, Roads-0.20 ha, Green Belt- 0.57 ha. at the start of plan period (2017-18)	Mining- 3.10 ha, waste disposal-0.025 Roads- 0.151ha,	As per Annual Return of F.Y 2020-21
3p	Production of ROM mineral during the last five year period as applicable	16-17 = 40000 Tonnes 17-18 = 40000 Tonnes 18-19 = 40000 Tonnes 19-20 = 40000 Tonnes 20-21 = 40000 Tonnes	16-17 = 40000 Tonnes 17-18 = 38700 Tonnes 18-19 = 27470 Tonnes 19-20 = 34840 Tonnes 20-21 = 27220 Tonnes	

3q General remarks of inspecting officers on method of mining etc.

Mining operations were carried out with small capacity machinery. Manual sorting of ore is observed.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping of Overburden/int ercalated waste is proposed	Separate dumping of OB / waste is being done as proposed	
4b	Location of topsoil, OB and mineral reject dumps	Waste / Overburden dumping is proposed in South West side of the lease area.	Waste / Overburden dump is located in the South West side of the lease area	
4c	Number of dumps within lease area and outside of lease area	Within Lease - 01	Dump is located within lease area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Proposed within UPL (South West side)	Dump is located within UPL (South West side)	
4e	Number of active and alive dumps.	01	01	
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.	Yes	Yes	
4i	Length of Retaining wall or garland drain all along dumps		Retaining wall having 50 mt. length, 1mt. width and 1mt. height was observed all along the dump	
4j	Number of settling ponds	Nil	Nil	

4k	Specific comments of inspecting officer on waste dump management	waste/overburden dump was observed in South West side of the lease area. retaining wall is found constructed all along the dump.
----	--	--

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 is not proposed	Nil	No part of the lease area has 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.			Backfilling / Reclamation has not been envisaged since mineral has not been exhausted from any part of the lease area.

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).	Before 1st July every year	Not Submitted for FY 2020-21	Violation issued in this regard
6b	Area available for rehabilitation (ha) .	No proposal	Not applicable	
6c	afforestation done (ha).	Proposed on the safety barrier.	150 plants reported planted during 2020-21 within lease area and 50 plants outside lease area with around 40-50% survival rate	As reported in Annual Return for FY 2020-21
6d	No. of saplings planted during the year	Proposed 50 plants	150 plants reported planted during 2020-21 within lease area and 50 plants outside lease area with around 40-50% survival rate	As reported in Annual Return for FY 2020-21
6e	Cumulative no .of plants	250 plants proposed during plan period from 2017-18 to 2021-22	900 Nos. reported planted WML and 50 Nos. OML	
6f	Any other method of rehabilitation	No proposal	Not applicable	
6g	Cost incurred on watch and care during the year			
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	Not applicable	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Not applicable	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal	Not applicable	

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Not applicable	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	Not applicable	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Nil	Nil	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	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)	Monitoring is done by private consultant	Monitoring is done by private consultant on half yearly basis.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Mineral has not been exhausted from the pit hence backfilling / reclamation and rehabilitation has not been envisaged.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

7a	ROM Mineral dispatch or grade-wise sorting within lease area	Gradewise mineral dispatch is proposed after sizing and manual sorting.	Mineral dispatch is done after sizing and manual sorting.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual
7c	Different grade of mineral sorted out at mines.	Yes	Different grade of mineral is sorted out at mines
7d	Any beneficiation process at mines	No Proposal	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		During 2020-21, Cement Grade limestone was dispatched after manual sizing and sorting.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed	Nil	
8b	Concurrent use or storage of topsoil	Not proposed	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump for OB/Waste disposal is proposed	Separate dump for OB/Waste is maintained.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposed to use for mine road strengthening and construction of Retaining wall / Bund	Nil	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Proposed	150 plants reported planted during 2020-21 within lease area and 50 plants outside lease area with around 40-50% survival rate	
8g	Survival rate	Not specified	Not specified	
8h	Water sprinkling on roads to control airborne dust	Proposed	Water sprinkling is being carried out on haul roads by using tractor mounted water tanker.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Overall aesthetic beauty around the mining area is good and impact on environment due to mining is less.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		M.R. Submitted up to November'2021 & A.R. Submitted up to 2020-2021	Submitted within time limit.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Shri. Girish Ballary as Mining Engineer and S.R.Basutkar as Manager	No change	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under O/C Working = 3.10 ha. Used for Waste Disposal = 0.025 ha. Road, Buildings, Infrastructure = 0.151 ha.	Covered under O/C Working = 3.10 ha. Used for Waste Disposal = 0.025 ha. Road, Buildings, Infrastructure = 0.151 ha.	As per Annual Return submitted for FY 2020-21
9d	Scrutiny of Annual return on afforestation	50 plants proposed	200 plants reported to be planted during 2020-21 (WML-150 & OML-50)	As per Annual Return submitted for FY 2020-21
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	Opening Stock-22769.441 Tonnes, Production-27220 Tonnes Dispatch-29736 Tonnes Closing Stock-20253.441 Tonnes	Opening Stock-22769.441 Tonnes, Production-27220 Tonnes Dispatch-29736 Tonnes Closing Stock-20253.441 Tonnes	Stock is as per the Annual Return submitted for the FY 2020-21
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex- Mine Price for Cement Grade Limestone is reported as Rs. 382.00 per tonne and Production Cost is Rs. 350.00 per tonne	Ex- Mine Price for Cement Grade Limestone is reported as Rs. 382.00 per tonne and Production Cost is Rs. 350.00 per tonne	As per the Annual Return submitted for the FY 2020-21
9h	Scrutiny of Annual return on fixed assets		Not furnished	During inspection, Lessee is advised to furnish the same
9k	Scrutiny of Annual return on mining machineries		Information not furnished	During inspection, Lessee is advised to furnish the same

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 26(2)	12-JAN-22	07-JUL-22			

Date :

(VIDYADHAR V.TARI)

Indian Bureau of Mines