

**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.H.HIREMATH, LESSEE**
Official with
Designation
- (iv) Date of Inspection : 09/03/2018
- (v) Prev.inspection date : 25/04/2014

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 : 06/03/2008
- (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 : **03/02/2028**
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/ : 01/08/2014
 Termination date

Manager

Name : Shri B.R.Hebbal
 Qualification : Mine mate permit manager holder
 Appointment/ : 01/11/2013
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	19/02/2007
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	26/07/2013
		MP modif under 17(3) MCR 2016	27/12/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2 nos.	5 bore holes drilled in the year 2016-17.	2 DTH drilled during 2012-13 & 5 Core bore holes during 2016-17
1b	Exploration over lease area for geological axis 1 or 2	1 no.	5 nos.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year		M/s Geotech exploration agency, Nagpur.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	03 core bore holes.		
1e	Balance reserve as on 01/04/20		715184 tones	
1f	General remarks of inspecting officers on geology, exploration etc			satisfactory

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N 1785943 - 1785981 & E 539477 - 539530	As proposed	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed	Achieved as Proposed	
2c	Stripping ratio or ore to OB ratio	1:025	1:025	
2d	Quantity of topsoil generation in m3	nil	nil	No topsoil observed.
2e	Quantity of overburden generation in m3	nil	nil	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	No top soil observed in the assessment year. However, direction given to lessee that if reported same to be stacked and used for planatation.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	2 nos.	2 nos.	
3b	Quantity of ROM mineral production proposed	40000 T	40000T	
3c	Recovery of sailable/usable mineral from ROM production	40000T saleable ore	40000T saleable ore	
3d	Quantity of mineral reject generation	nil	nil	no proposal for MR
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Not available	
3f	Quantity of sub grade mineral generation.	nil	Nil	
3g	Grade of sub grade mineral generation	nil	not available	
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.		Nil	

3j	Provision of drilling and blasting in mineral benches	Yes	Jack hammer drilling & controlled blasting	
3k	Provision of mining machineries in mineral benches	Small size excavator.	Small size excavator. one no.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	Suitable and advice to maintained as per the proposal.
3m	Total area covered under excavation/pits	2.75 Ha	2.75 Ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.25	1:0.25	intercaleted waste generated.
3o	Total area put in use under different heads at the end of year		O/c working-2.75ha, waste disposal-0.01 ha, plant building etc-0.151ha.	
3p	Production of ROM mineral during the last five year period as applicable	2012-13 to 2016-17 - 2.0LT	2012-13 to 2016-17 - 0.636LT	Less production as proposed. However, in the year 2016-17 achieved 100%.
3q	General remarks of inspecting officers on method of mining etc.			Satisfactory.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	yes	No top soil in the year 2016-17.
4b	Location of topsoil, OB and mineral reject dumps	yes	No top soil and mineral reject reported. However, OB dumped as proposed.	
4c	Number of dumps within lease area and outside of lease area	one	one	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	within	within	
4e	Number of active and alive dumps.	one	one	
4f	Number of dead dumps.	nil	nil	
4g	Number of dumps established.			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 100m. Garland drain 100m	150m	
4j	Number of settling ponds	nil	nil	
4k	Specific comments of inspecting officer on waste dump management			The stripping ratio is very less.

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.	NA	Nil	No final extraction.
5b	Area under backfilling of mined out area	NA	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	Nil	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	

5e	General remarks of inspecting officers on backfilling and reclamation etc.	No backfilling and reclamation proposed.
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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).		Not submitted	Violation issued.
6b	Area available for rehabilitation (ha) .	nil	nil	
6c	afforestation done (ha).	yes	yes	
6d	No. of saplings planted during the year	100 saplings	100 saplings	For Green belt developement.
6e	Cumulative no .of plants	500	575 saplings.	Green belt developement.
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			Green belt
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	na	nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)		yes	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			No reclamation and rehabilitation work is carried out. Plantation carried out in for green belt development only.

 Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	Nil	ROM despatch directly with 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.	NA	Nil	+35 CaO
7d	Any beneficiation process at mines	nil	nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No segregation within the lease. ROM directly shifted after manual sorting.

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	yes	yes	Very less and rare qty available.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	yes	yes	Only OB dump available.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	nil	nil	not proposed

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		100 sapling done in 2016-17.	
8g	Survival rate		60%	
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			Plantation carried for green belt dev.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Yes	yes	AR submitted-2016-17, Monthly returns till Feb, 2018.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		ME appointed.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.			satisfactory.
9d	Scrutiny of Annual return on afforestation	Ok	yes	afforestation marked in AR.

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	nil	nil	no MR
9f	Scrutiny of Annual return on ROM stock and/or graded ore			
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost		submitted.	
9h	Scrutiny of Annual return on fixed assets		Not provided.	Advice to furnished the details.
9k	Scrutiny of Annual return on mining machineries		Not furnished	Advice to furnished the details.

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(2)	23/03/2018			
MCDR17	Rule 26(2)	23/03/2018			
MCDR17	Rule 27(2)	23/03/2018			

Date :

(SURESH PRASAD)

Indian Bureau of Mines