

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

Mining Plan Modification REPORT

Goa regional office

Mine file No : KNT/BJP/LST-77/GOA

Mine code : 38KAR26056

- (i) Name of the Inspecting : **SP01**) **SURESH PRASAD**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : S/shri K.G.Bolishetty, Lessee & G.Harendra, TQP
Official with
Designation
- (iv) Date of Inspection : 10/12/2018
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **LOKAPUR (ML. NO. 2476)**
- (b) **Registration NO.** : **IBM/702/2011**
- (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. : NIL
- E-mail : shrilaxmiminerals@rediffma:
- Phone : 88350240447
- (f) **Police Station** : Lokapur
- (g) **First opening date** : 01/01/2005
- (h) **Weekly day of rest** : TUE
2. **Address for** : AT & PO- LOKAPUR-587122
correspondance TQ-MUDHOL
DIST-BAGALKOT, KARNATAKA
3. (a) **Lease Number** : KAR1403
- (b) **Lease area** : 2.84
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 31/12/2024
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : KASHINATH GURUBASAPPA BOLISHETTY
 POST LOKAPUR-587122,
 TALUKA-MUDHOL, DISTRICT-
 BAGALKOT (KARNATAKA)
 BAGALKOT KARNATAKA
 Phone:08350-340447
 FAX :

Owner : KASHINATH G BOLISHETTY
 AT & PO-LOKAPUR TQ-MUDHOL
 BAGALKOT KARNATAKA
 Phone:
 FAX :

Manager

Name : Shri Munir Ahmad
 Qualification : B.A & Mine foreman certificate & permit
 Appointment/ : 24/12/2010
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	01/10/2004
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	29/03/2011
		Mining Scheme rule 12 MCDR1988	13/06/2014

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	9 DTH Boreholes were proposed in the approved scheme of mining	9DTH and 4Core boreholes has been drilled.	Form J submitted.
1b	Exploration over lease area for geological axis 1 or 2		Geological axis-1	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Not undertaken in the assessment year.	Already carried out in the previous reporting year and form J & Form K submitted to this office on 1.3.2017.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	Nil	
1e	Balance reserve as on 01/04/20		Reserves as on 1.4.2018 Proved (111) = 10,88,698 Tons Pre-feasibility resource = 21,34,974 Tons	Reserves and resources figures given as per the approved SOM.
1f	General remarks of inspecting officers on geology, exploration etc			Area is geologically disturbed with contamination of morrum.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	yes	as per the proposal	Observed the efforts towards compliance of working to rectify the previous violation. Further, MMP also submitted recently for updation.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal for top soil and separate benches.	No proposal for separate benches.	N

2c	Stripping ratio or ore to OB ratio	1:0.05	1:0.05	
2d	Quantity of topsoil generation in m3	No proposal	Nil	
2e	Quantity of overburden generation in m3	3158Tons.	3158 Tons	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			satisfactory.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	one	
3b	Quantity of ROM mineral production proposed	60000 tons	60000 tons	
3c	Recovery of sailable/usable mineral from ROM production	95%	95%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	Not applicable	Threshold value of CaO +34%
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	Not applicable	Not applicable	
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.	Not proposed	Nil	Manual picking of ore from intercalated waste.
3j	Provision of drilling and blasting in mineral benches	Yes	Yes	by Jackhammer drilled
3k	Provision of mining machineries in mineral benches	small capacity tranporting tippers and trackers	small capacity tranporting tippers and trackers	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height 3 m	3-5m height	The efforts to bring down the height of the working benches to the proposal limits has seen. However, the benches in some places of the working pit needs the further corrections.
3m	Total area covered under excavation/pits	Proposal during scheme period-2.429 Ha.	2.307 HA	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.05	1:0.05	
3o	Total area put in use under different heads at the end of year	Scheme period 2014-15 to 2018-19:- Under excavation - 2.49 Ha Infrastructure - 0.005 ha Roads-0.036ha green belt - 0.056 ha	As on 1/4.2018:- current (O/C) Workings - 2.307 ha plants building roads- 0.099 ha green belt - 0.030ha	
3p	Production of ROM mineral during the last five year period as applicable	2013-14-15000 T 2014-15 - 15000T 2015-16 - 60000T 2016-17 - 60000 T 2017-18 - 60000 T	2013-14-15000 T 2014-15 - 15000T 2015-16 - 60000T 2016-17 - 60000 T 2017-18 - 60000 T	

3q	General remarks of inspecting officers on method of mining etc.	Maintenance of working faces need to be maintained for the manual working as proposed.
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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)	No proposal for top soil and mineral rejects. Intercalated waste proposed	Waste materials used for strenghening of safety barriers and road maintence.	
4b	Location of topsoil, OB and mineral reject dumps	Not proposed	Nil	
4c	Number of dumps within lease area and outside of lease area	One proposal	yes	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside the UPL	Outside the UPL	
4e	Number of active and alive dumps.	one	Nil	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.		Not established.	Generation is very less.Waste used for safety barrires strenghthening and road maintence.
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	Nil	
4i	Length of Retaining wall or garland drain all along dumps	No proposal	Nil	
4j	Number of settling ponds	No proposal	Nil	

4k	Specific comments of inspecting officer on waste dump management	The Waste generation is very less. Thus, generated waste were used for safety barrires strenghening and road maintenance.
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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 of backfilling.	No backfilling done	Mining area is not matured for backfilling.
5b	Area under backfilling of mined out area	Not applicable	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not applicable	nil	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Mineral not exhausted. Hence, no proposal for backfilling &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	
6b	Area available for rehabilitation (ha) .	No proposal	nil	

6c	afforestation done (ha).		0.030Ha cumm undertaken.	
6d	No. of saplings planted during the year	50 SAPLINGS	50 SAPLINGS	
6e	Cumulative no .of plants	250saplings in the scheme	cummulatively 600 plants has planted.	
6f	Any other method of rehabilitation	No proposal	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NIL	NIL	No proposal
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quartely monitering of environmental parameters.	Manotering carried out by private consultant.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Mining area is not matured for backfilling and R&R.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Manual sorting of ROM	Manual sorting of ROM	

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	manual	manual	
7c	Different grade of mineral sorted out at mines.	Above Threshold value	Above Threshold value of minerals. sorted manually.	
7d	Any beneficiation process at mines	Nil	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Above THV minerals blended as per buyer requirements.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No top soil proposal	Nil	
8b	Concurrent use or storage of topsoil	Nil	nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No generation of MR & fines.	Generation is very less.Waste material used for safety barriers strengthening and road maintenace.	
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)	50 saplings	50saplings	cummulative 600 saplings.
8g	Survival rate		60%	

8h	Water sprinkling yes on roads to control airborne dust	Water sprikling carried out.	
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		Submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not furnished	Information for appintment of geologist submitted to this office on 11.6.2018	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Furnished	Coverd under O/C-2.307 Ha, plants building etc- 0.099ha others -0.444ha	
9d	Scrutiny of Annual return on afforestation	yes	50saplings	
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		Nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	given	Ex mine price:-350.58 Rs./T Production cost- 270 Rs./tons	

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

Date :

(SURESH PRASAD)

Indian Bureau of Mines