

**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-41/GOA

Mine code : 38KAR05023

- (i) Name of the Inspecting : **K07**) **KRISHNENDU CHATTERJEE**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : **SHRI. SHRIDHAR BHAT, TQP**
Official with
Designation
- (iv) Date of Inspection : 03-FEB-20
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **HEBBAL (2195)**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : KARNATAKA
District : BAGALKOT
Village : HEBBAL
Taluka : MUDHOL
Post office : LOKAPUR
Pin Code :
FAX No. :
E-mail :
Phone : (08354) 40037
- (f) Police Station :
- (g) First opening date : 26-JAN-96
- (h) Weekly day of rest : TUE
2. Address for : PO.:Lokapur,
correspondance Tq.: Mudhol
Distt.: Bagalkot-587122
3. (a) Lease Number : KAR0982
(b) Lease area : 70.82
(c) Period of lease : 20
(d) Date of Expiry : 26-APR-15
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : S.M.Modi
 PO.:Lokapur, Tq. Mudhol,
 Distt. Bagalkot BAGALKOT
 KARNATAKA
 Phone:(08354) 40037
 FAX :

Owner : S.M.Modi
 PO.Lokapur, Tq. Mudhol
 Dist.:Bagalkot BAGALKOT
 KARNATAKA
 Phone: 08354 40037
 FAX :

Agent : S.M.Modi
 PO. Lokapur, Tq. Mudhol
 Distt.:Bagalkot BAGALKOT
 KARNATAKA
 Phone: (08354) 40037
 FAX :

Manager

Name : MUNEER AHMED
 Qualification : Foreman Certificate Holder
 Appointment/ : 05-AUG-06
 Termination date

Manager

Name : G.S.Narasimha Murthy
 Qualification : S.S.L.C. with I st Class Mine Manager ce
 Appointment/ : 02-APR-00 18-AUG-03
 Termination date

Manager

Name : PRAKASH KALADGI
 Qualification : DIP MIN. ENGG, FOREMAN CERTIFICATE
 Appointment/ : 19-AUG-03
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	16-SEP-02
Plan/Scheme of Mining		Modif.approved Mining Scheme	21-JUL-04
		Mining Scheme rule 12 MCDR1988	01-SEP-06
		MP modif under 17(3) MCR 2016	30-SEP-16

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration proposal in 2018-19	Nil	24 nos. of core boreholes drilled by the lessee during 2015-16.
1b	Exploration over lease area for geological axis 1 or 2	G1& G2	G1& G3	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	G1& G2	G1 & G3.	
1e	Balance reserve as on 01/04/20		11.06 million tonnes	As on 01.04.2019
1f	General remarks of inspecting officers on geology, exploration etc		24 nos. of core boreholes with cumulative meterage of 1200m was drilled in the ML area in 2015-16. 05 nos. boreholes proposed by the lessee in 2017-18 which was not materialized so far. Mine was not in operation since 2009-10 and suspended by IBM vide letter no. KNT/BJP/LST-41 dated 19.11.2014.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N 1789650 to N1789900, E 536300 to E 536780	Nil	Mine was not in operation since 2009-10.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed	Nil	
2c	Stripping ratio or ore to OB ratio	1: 0.12	Nil	

2d	Quantity of topsoil generation in m3	19400 m3	Nil	
2e	Quantity of overburden generation in m3	64450 m3	Nil	BD 2.0 t/m3
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Mine was not in operation since 2009-10 and suspended by IBM vide letter no. KNT/BJP/LST-41 dated 19.11.2014.	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single pit proposed at center of the ML.	Nil, however 3 nos. of old pits are present in the ML area.	Dimension of existing old pits are: (Southern Pit 1) 160m x 70m x 8m; (Southern Pit 2) 150m x 80m x 6m; (Central Pit) 100m x 60m x 5m;
3b	Quantity of ROM mineral production proposed	999,875 tonnes in 2018-19.	Nil	Mine was not in operation since 2009-10. No production reported from 2010-11 onwards.
3c	Recovery of sailable/usable mineral from ROM production	95% proposed	Nil	
3d	Quantity of mineral reject generation	181,000 tonnes	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not specified.	Nil	
3f	Quantity of sub grade mineral generation.	No proposal	Nil	
3g	Grade of sub grade mineral generation	No proposal	Not applicable.	

3h	Manual / Mechanised method adopted for segregating from ROM	Fully Mechanized mining proposed	Nil	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No such proposal given	Nil	
3j	Provision of drilling and blasting in mineral benches	Drilling & blasting proposed	Nil	
3k	Provision of mining machineries in mineral benches	Excavator, loader, tipper, rock breakers etc. proposed	Nil	Fully Mechanized mining operation proposed.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	7m bench height proposed	Nil	
3m	Total area covered under excavation/pits	9.75 Ha. at the end of F.Y. 2019-20	2.8 Ha. area covered by old pits.	
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.12	Nil	
3o	Total area put in use under different heads at the end of year	24.0 Ha. total at the end of F.Y. 2019-20.	Mining: 2.8 Ha. Mineral Storage: 0.65 Ha. Infrastructure: 0.50 Ha. Roads: 2.10 Ha.	
3p	Production of ROM mineral during the last five year period as applicable	2014-15: Nil 2015-16: Nil 2016-17: 999,875 2017-18: 999,875 2018-19: 999,875 (in tonnes)	No mine production reported since 2010-11.	

3q General remarks of inspecting officers on method of mining etc. Mine was not in operation since 2009-10 and suspended by IBM vide letter no. KNT/BJP/LST-41 dated 19.11.2014 for non-compliances of rule 12(3), 23(F) (3), 24(1), 45(5) (a) & 45(5) (b) of MCDR, 1988.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Generated waste was proposed for construction of safety bund along the ML boundary and remaining waste was proposed to dump along the side of the nallah.	Nil	Separate stackings for top soil and for mineral reject proposed.
4b	Location of topsoil, OB and mineral reject dumps	Top soil proposed to stack at south eastern side of the ML area.	Nil	
4c	Number of dumps within lease area and outside of lease area	01 no of dump proposed.	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Within UPL proposed	Nil	
4e	Number of active and alive dumps.	01 active dump proposed.	Nil	
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	Nil	

4i	Length of Retaining wall or garland drain all along dumps	850m of retaining wall and garland drain along the waste dump.	Nil
4j	Number of settling ponds	No proposal	Nil
4k	Specific comments of inspecting officer on waste dump management		No old waste dump was observed in the ML area during the inspection dated 03.02.2020.

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 as the mine pit is not matured for backfilling.	
5b	Area under backfilling of mined out area	No such proposal given	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	Nil	
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	
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	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Proposed.	Not submitted
6b	Area available for rehabilitation (ha) .	No proposal	Nil
6c	afforestation done (ha).	Total 1.65 Ha. at the end of F.Y. 2019-20	Nil
6d	No. of saplings planted during the year	410 nos. in 2018-19	Nil
6e	Cumulative no .of plants	Not specified.	Apprx. 500 nos. within ML area and along the lease boundary.
6f	Any other method of rehabilitation	No proposal	Nil
6g	Cost incurred on watch and care during the year	Rs. 20,500/- in 2018-19 proposed	Nil
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	No proposal	Not applicable
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	Not applicable
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	Not applicable
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed to be carried out regularly.	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Approved PMCP compliances are yet to be undertaken by the lessee as the ML is non-working since 2009-10.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM dispatch after mechanical sorting and sizing.	Nil	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanized	Nil	
7c	Different grade of mineral sorted out at mines.	Proposed for all +35% CaO.	Nil	

7d	Any beneficiation process at mines	No such proposal	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Mine was not in operation since 2009-10 and suspended by IBM vide letter no. KNT/BJP/LST-41 dated 19.11.2014.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Top soil proposed to stack at south eastern side of the ML area.	Nil	
8b	Concurrent use or storage of topsoil	Proposed for afforestation.	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Mine pits are not matured for backfilling.	
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)	Plantation proposed.	Apprx. 500 nos. saplings were planted within ML so far.
8g	Survival rate	Not specified.	No plantation during 2018-19.
8h	Water sprinkling on roads to control airborne dust	Proposed.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Aesthetic beauty in and around mines area is good. Mine was not in operation since 2009-10 and suspended by IBM vide letter no. KNT/BJP/LST-41 dated 19.11.2014.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Nil	No MR and AR submitted by the lessee from 2010-11 onwards.	Mine is suspended by IBM vide letter no. KNT/BJP/LST-41 dated 19.11.2014 for non-compliances of rule 12(3), 23(F) (3), 24(1), 45(5) (a) & 45(5) (b) of MCDR, 1988.

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

Date :

(KRISHNENDU CHATTERJEE)

Indian Bureau of Mines