

**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-35/GOA

Mine code : 38KAR26002

- (i) Name of the Inspecting : VT01) VIDYADHAR V.TARI
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : S/SHRI. VIJAY KULKARNI, AUTHORISED PERSON & G.HARENDR
Official with
Designation
- (iv) Date of Inspection : 07-MAR-22
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : JALLIKATTI (ML.2114)
- (b) **Registration NO.** :
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : KARNATAKA
- District : BAGALKOT
- Village : JALLIKATTI
- Taluka : MUDHOL
- Post office : LOKAPUR
- Pin Code : 587122
- FAX No. :
- E-mail :
- Phone : 08353-86289
- (f) **Police Station** : LOKAPUR
- (g) **First opening date** :
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : At-Lokapur
Tq-Mudhol
Dist-Bagalkot-587122
3. (a) **Lease Number** : KAR1071
- (b) **Lease area** : 3.64
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 12-SEP-10
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : RATNA MINERALS
 Vallabhai Chowk BAGALKOT
 KARNATAKA
 Phone:08354-252126
 FAX :

Owner : S.G.RAIKAR
 M/s RATNA MINERALS At-
 Lokapur, Bagalkot Road Tq-
 Mudhol BAGALKOT KARNATAKA
 Phone: 08353-86289
 FAX :

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	13-FEB-03
Plan/Scheme of Mining		Modif.approved Mining Scheme	01-JUL-04
		Mining Scheme rule 12 MCDR1988	08-AUG-08
		Renewal under rule 24 MCR1960	11-APR-12
		MP modif under 17(3) MCR 2016	17-JUN-16

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal	Nil	It was proposed to drill 02 BH's in 2017-18 and 02 BH's in 2018-19 of total 120 meterage.
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	No proposal	Nil	
1e	Balance reserve as on 01/04/20	Total Reserves of Limestone is 0.504 million Tonnes	Total Reserves of Limestone is 0.504 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 had proposed to drill 02 BH's in 2017-18 and 02 BH's in 2018-19 of total 120 meterage.

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.	Nil	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not proposed	Nil	
2c	Stripping ratio or ore to OB ratio	1:0.11	Nil	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	4062 m3 (10155 tonnes) during 2020-21	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mine is not in operation for more than 5 years. Moreover, mining operations are under suspension w.e.f. 08.10.2018

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single pit	Nil	
3b	Quantity of ROM mineral production proposed	101549 tonnes (includes 10155 tonnes of intercalated waste)	Nil	
3c	Recovery of sailable/usable mineral from ROM production	90%	Nil	
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	Nil
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	Nil
3k	Provision of mining machineries in mineral benches	Excavator of 1.00 Cu.Mt in hard zone	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	-
3m	Total area covered under excavation/pits	2.021 Ha.	2.021 Ha.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.11	-
3o	Total area put in use under different heads at the end of year	Mining- 2.021 ha, Infrastructure -0.010 ha, Roads-0.156 ha, at the start of plan period (2016-17)	Mining- 2.021 ha, Infrastructure-0.010 ha, Roads-0.156 ha,

3p	Production of ROM mineral during the last five year period as applicable	16-17 = 101117 Tonnes 17-18 = 100607 Tonnes 18-19 = 100638 Tonnes 19-20 = 100648 Tonnes 20-21 = 101549 Tonnes (Includes Intercalated waste)	16-17 = Nil Tonnes 17-18 = Nil Tonnes 18-19 = Nil Tonnes 19-20 = Nil Tonnes 20-21 = Nil Tonnes
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3q General remarks of inspecting officers on method of mining etc.

Mining operations are under suspension w.e.f.08.10.2018

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/intercalated waste is proposed	-	
4b	Location of topsoil, OB and mineral reject dumps	Waste / Overburden dumping is proposed in North East side of the lease area.	-	
4c	Number of dumps within lease area and outside of lease area	Proposed within Lease area - 01	-	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Proposed within UPL (North East side) N1783299- N1783290 & E539793- E539843		
4e	Number of active and alive dumps.	Nil	Nil	
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.	Nil	Nil	
4i	Length of Retaining wall or garland drain all along dumps			
4j	Number of settling ponds			
4k	Specific comments of inspecting officer on waste dump management			Since the mine is not working and under suspension there is no generation of OB

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. Moreover, mining operations are under suspension w.e.f. 08.10.2018
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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).	Before 1st July every year	Not Submitted	Mine is not working and under suspension.
6b	Area available for rehabilitation (ha) .	No proposal	Not applicable	
6c	afforestation done (ha).	Proposed along the safety barrier.	Nil	
6d	No. of saplings planted during the year	Proposed to plant 50 saplings	Nil	
6e	Cumulative no .of plants	250 plants proposed during plan period from 2016-17 to 2020-21	Nil	
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 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	Nil

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. Mine is not working and under suspension w.e.f. 08.10.2018
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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.	-	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual & OTFM	-	
7c	Different grade of mineral sorted out at mines.	Yes (Proposed)	-	
7d	Any beneficiation process at mines	No Proposal	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Since the mine is not working and under suspension there is no generation of ROM

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	Nil	
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 to plant 250 saplings during plan period from 2016-17 to 2020-21	Nil	
8g	Survival rate	Not specified	Not Applicable	
8h	Water sprinkling on roads to control airborne dust	Proposal is made for water sprinkling on haul roads by using tractor mounted water tanker.	-	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty around the mining area is satisfactory.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Monthly and Annual Returns are not being submitted.	As reported during the field visit, mine is not in operation for want of Environmental Clearance and renewal of mining lease is due since September'2010. Moreover, mining operations are under suspension w.e.f. 08.10.2018
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Nil	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Nil	
9d	Scrutiny of Annual return on afforestation	Nil	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	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	Nil	
9h	Scrutiny of Annual return on fixed assets	Nil	
9k	Scrutiny of Annual return on mining machineries	Nil	

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 :

(VIDYADHAR V.TARI)

Indian Bureau of Mines