

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

MCDR inspection REPORT

Goa regional office

Mine file No : KNT/BJP/LST-35/GOA

Mine code : 38KAR26002

- (i) Name of the Inspecting : **K03**) **G. S. KANNAN**
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Shri.V.B.Kaligi, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 23/04/2018
- (v) Prev.inspection date : 08/04/2014

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 : At-Lokapur
correspondance : Tq-Mudhol
Dist-Bagalkot-587122
3. (a) Lease Number : KAR1071
- (b) Lease area : 3.64
- (c) Period of lease : 20
- (d) Date of Expiry : 12/09/2010
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	13/02/2003
Plan/Scheme of Mining		Modif.approved Mining Scheme	01/07/2004
		Mining Scheme rule 12 MCDR1988	08/08/2008
		Renewal under rule 24 MCR1960	11/04/2012
		MP modif under 17(3) MCR 2016	17/06/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2 Core Boreholes Proposed during 2017-2018	No Boreholes has drilled	Violation has pointed out under Rule 11(1)
1b	Exploration over lease area for geological axis 1 or 2	2 - Additional exploration was proposed during 2017-2018 in modified mining plan over the lease area for Geological axis - 1	Additional exploration was not carried out in the lease area for Geological axis - 1	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Own drilling and/ or Contract drilling machines were proposed	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Entire Lease area 3.64 hect	Nil	
1e	Balance reserve as on 01/04/20	As on 01.04.2018 Proved Mineral Reserves (111) = 322448 Tons Pre-Feasibility Mineral Resources (221) = 137000 Tons Inferred Mineral Resources (333) = 924000 Tons	As on 01.04.2018 Proved Mineral Reserves (111) = 504000 Tons Pre-Feasibility Mineral Resources (221) = 137000 Tons Inferred Mineral Resources (333) = 924000 Tons	Hence there is no mining activity; R & R has not been changed.

1f	General remarks of inspecting officers on geology, exploration etc	It is part of kaladgi basin which belongs to Upper Cuddapag system	The deposit is litho unit of Lokapur sub group of Bagalkot group which belongs to Kaladgi Super group	Entire Lease is having Same Geology and Mineralogy is changes from place to place. Hence borehole has to be drilled at closer interval to get quantity and quality
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	In the Year 2017-2018 there was proposal to work between the Co-ordinates of N-1786477 to 1786644/ E-541145 to 541215 from 487 RL to 490RL	Working has been not carriedout as per the proposal	Mine is not Working because want of Statuary Clearances. Violation issued under Rule 11(1)
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	There is no proposals for separate Bench's	There is no proposals for separate Bench's	
2c	Stripping ratio or ore to OB ratio	1 : 0.10	Nil reported, since no production during that period.	
2d	Quantity of topsoil generation in m3	No proposal	Nil	
2e	Quantity of overburden generation in m3	OB waste is only Intercalated waste. During 2017-2018 it is proposed 10060 tons	Nil	Mine is not Working from 2010, because want of Statuary Clearances
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Nil	Basic Field Observation are Topsoil are lightly present, upto 20m work out pit for Limestone, simultaneously murram also in limestone pit	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Development and production in Single pit was proposed.	Single Pit	
3b	Quantity of ROM mineral production proposed	ROM = 90547 tons	Nil	Mine is not Working because want of Statuary Clearances
3c	Recovery of sailable/usable mineral from ROM production	90%	Nil	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Mineral reject - No Proposal Threshold Value for Mineral rejects is not Declared	Mineral reject - No Proposal Threshold Value for Mineral rejects is not Declared	
3f	Quantity of sub grade mineral generation.	No Sub Grade Generation	No Sub Grade Generation	
3g	Grade of sub grade mineral generation	There is No Proposal for Subgrade Mineral Generation	There is No Generation of Subgrade Mineral	
3h	Manual / Mechanised method adopted for segregating from ROM	Semi Mechanised Method is Proposed for Segrating ROM	Nil	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No Benefication Study is Proposed	Nil	
3j	Provision of drilling and blasting in mineral benches	Spacing - 1.25m Burden - 1.20m Depth - 3.00m It is Proposed to drill by Jack Hammer and blasting by using Slurry & ANFO	Drilling & Blasting are not done	Mine is not Working from 2010

3k	Provision of mining machineries in mineral benches	Excavator - 1 Nos Tippers - 2 Nos Compressors - 2 Nos Water tanker - 1 No Crushing plant - 1 No Jeep - 1 No	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height - 3.0 m	Height - 6-8 m	Benches are formed before 2010
3m	Total area covered under excavation/pits	2.021 hect	2.021 hect	There is no changes in pit area from 2010
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.10	Nil	
3o	Total area put in use under different heads at the end of year	Landuse Pattern 01/04/2018 Area under Mining = 2.021 hect Dump = 0.17 hect Office = 0.010 hect Roads = 0.156 hect Plantation = 0.066 hect	Landuse Pattern 01/04/2018 Area under Mining = 2.021 hect Office = 0.010 hect Roads = 0.156 hect	There are no Changes in land use Pattern because of Non-Working.
3p	Production of ROM mineral during the last five year period as applicable	2017-2018 = 90547 tons 2016-2017 = 91005 tons 2015-2016 = 111111 tons 2014-2015 = 99944 tons 2013-2014 = 99986 tons	2017-2018 = Nil 2016-2017 = Nil 2015-2016 = Nil 2014-2015 = Nil 2013-2014 = Nil	From the Period 2010 to till date, the Mine was not working due to want of statutory order
3q	General remarks of inspecting officers on method of mining etc.	Nil	Nil	

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No Proposal for dumping. Proposed Intercalated waste will be used for build up of bund on safety barrier, Retaining wall	Nil	
4b	Location of topsoil, OB and mineral reject dumps	Inside the Lease area for Road and all along the safety barrier for bunds	Nil	
4c	Number of dumps within lease area and outside of lease area	No Proposal	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No Proposal	Nil	
4e	Number of active and alive dumps.	No Proposal	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.	There is proposal for Retaining Wall	No Retaining Wall has been formed	
4i	Length of Retaining wall or garland drain all along dumps	Retaining Wall = 80m	Nil	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management	Nil	Nil	

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No Proposal for Backfilling	No Backfilling done
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.	No Backfilling	No Backfilling

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).	To be submitted before 30th July of every year	Not Submitted for the year 2015-2016 & 2016-2017	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	0.033 hect/ year	Nil	Violation issued under Rule 11(1)
6d	No. of saplings planted during the year	Total 50 saplings were proposed during last year 2017-2018.	Nil	Violation issued under Rule 11(1)
6e	Cumulative no .of plants	Total 50 saplings were proposed during last year 2017-2018.	Nil	

6f	Any other method of rehabilitation	No Proposal	Nil	
6g	Cost incurred on watch and care during the year	1.0 lakhs	Nil	Mine is not Working from 2010
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	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)	Bi-annually Survey	Nil	Mine is not Working from 2010
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Nil	Nil	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	91005 tons for 2017-2018	Nil	Mine is not Working because want of Statuary Clearances
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Semi-Mechanised Mining	Nil	
7c	Different grade of mineral sorted out at mines.	Cao = +45% Sio2= 5% Mgo = 4%	Nil	
7d	Any beneficiation process at mines	Crushing & Screening plant	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Nil	Nil	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	There is No Proposal for separately remove and utilized the topsoil.	Nil	
8b	Concurrent use or storage of topsoil	No Proposal	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No Proposal	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal	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)	50 Saplings per year	Nil	
8g	Survival rate	70%	Nil	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling is proposed	Nil	Mine is not working from 2010.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Scanty vegetation, bushes, neem are observed in and around mines area	Degraded Mining Land	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Not Submitted	Monthly and Annual returns are not submitted for last three year	Violation has been issued 45(5)(b) & (c)
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Monthly and Annual returns are not submitted for last three year	Nil	Violation has been issued 45(5)(b) & (c)
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Monthly and Annual returns are not submitted for last three year	Land use pattern is same from last 2010	Violation has been issued 45(5)(b) & (c)
9d	Scrutiny of Annual return on afforestation	Monthly and Annual returns are not submitted for last three year	Lessee has not planted any sapling, because the mine is non working from 2010	Violation has been issued 45(5)(b) & (c)
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Monthly and Annual returns are not submitted for last three year	There is no Mineral Rejects generation	Violation has been issued 45(5)(b) & (c)
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Monthly and Annual returns are not submitted for last three year	Mine is not Working because want of Statuary Clearances from 2010	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Monthly and Annual returns are not submitted for last three year	Nil	
9h	Scrutiny of Annual return on fixed assets	Monthly and Annual returns are not submitted for last three year	Nil	
9k	Scrutiny of Annual return on mining machineries	Monthly and Annual returns are not submitted for last three year	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
MCDR17	Rule 11(1)	10/05/2018			
MCDR17	Rule 26(2)	10/05/2018			
MCDR17	Rule 27(1)	10/05/2018			
MCDR17	Rule 27(2)	10/05/2018			
MCDR17	Rule 33	10/05/2018			
MCDR17	Rule 45(5)(k	10/05/2018			
MCDR17	Rule 45(5)(c	10/05/2018			

Date :

(G. S. KANNAN)

Indian Bureau of Mines