

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

MCDR inspection REPORT

Goa regional office

Mine file No : KNT/BJP/LST-44/GOA

Mine code : 38KAR26017

- (i) Name of the Inspecting : **K03**) **G. S. KANNAN**
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Shri Rangnath, Owner Representative
Official with
Designation
- (iv) Date of Inspection : 25/04/2018
- (v) Prev.inspection date : 15/10/2013

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **CHIKKALGUNDI (ML 2302)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : KARNATAKA
District : BAGALKOT
Village : CHIKKALGUNDI
Taluka : BILGI
Post office : CHIKKALGUNDI
Pin Code : 587122
FAX No. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date :
- (h) Weekly day of rest :
2. Address for : At and Po- Chikkalgundi
correspondance Tq- Bilagi
Dist- Bagalkot
3. (a) Lease Number : KAR0139
(b) Lease area : 8.09
(c) Period of lease : 20
(d) Date of Expiry : 26/01/2007
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : H. B. B. PATIL
 Post- Chikkalgundi Tq-
 Bilagi Dist- Bagalkot
 BAGALKOT KARNATAKA
 Phone:
 FAX :

Owner : H.B.B.PATIL
 Post- Chikkalgundi Tq-
 Bilagi Dist- Bagalkot
 BAGALKOT KARNATAKA
 Phone:
 FAX :

Geologist

Name : MR.Suresh Katti,Part Time
 Qualification : M.sc Geology
 Appointment/ : 01/12/2014
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	02/12/1997
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	24/09/2009
		Mining Scheme rule 12 MCDR1988	17/10/2012
		MP modif under 17(3) MCR 2016	16/03/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	3 Core Borehole Proposed in 2013-2014	4 Core boreholes has drilled on 2016-2017	Form-J Submitted
1b	Exploration over lease area for geological axis 1 or 2	Geological axis - 1	Geological axis - 1	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	1 Lakhs/ Lessee himself	1.63 Lakhs/ Lessee himself	
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	As on 01/04/2018 - Limestone Proved Mineral Reserves (111) = 499000 Tons Pre-Feasibility Mineral Resources (222) = 463000 Tons Inferred Mineral Resources (333) = 346000 Tons	As on 01/04/2018 - Limestone Proved Mineral Reserves (111) = 522000 Tons Pre-Feasibility Mineral Resources (222) = 463000 Tons Inferred Mineral Resources (333) = 346000 Tons	Due to Non working, the Reserves is not 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	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t. lease area	In the Year 2017-2018 there was proposal to work in between the Section AA' to BB'	Working has been not carried out as per the proposal	Mine is not Working because want of Statuary Clearances
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	There is Top soil & OB. Only Benches are proposed in Minerals	Nil	Mines is not working from 2016
2c	Stripping ratio or ore to OB ratio	1 : 0.01	Nil	Due to non working the stripping ration is nil
2d	Quantity of topsoil generation in m3	No Proposal	Nil	
2e	Quantity of overburden generation in m3	No Proposal	Nil	There is no OB waste only Intercalated waste is present
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Nil	Basic Field Observation are 0.1 to 0.5m Topsoil, upto 6m work out pit for Limestone	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Development and production in one pit was proposed.	Single Pit is present	
3b	Quantity of ROM mineral production proposed	25556 Tons	Nil	
3c	Recovery of sailable/usable mineral from ROM production	90 %	Nil	
3d	Quantity of mineral reject generation	There is no mineral reject generation	There is no mineral reject generation	

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	Manual Mining	Manual Mining	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No Benefication Study is Proposed	Only Manual Picking of Ore from Intercalated Waste	
3j	Provision of drilling and blasting in mineral benches	Spacing - 1.0m Burden - 1.0m Depth - 3.0m It is Proposed to drill by Jack Hammer and blasting by using Slurry & ANFO	Nil	Mine is not Working because want of Statuary Clearances from 2016
3k	Provision of mining machineries in mineral benches	Jack Hammer - 1 Tracker Compressor - 1	Jack Hammer - 1 Tracker Compressor - 1	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height & Width - 3m	Height & Width - 3m	Benches are formed before 2016
3m	Total area covered under excavation/pits	1.10 hect	1.10 hect	There is no changes in area from 2016.
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.01	Nil	

3o	Total area put in use under different heads at the end of year	Land use Pattern in Hects as on 01.04.2018 Mining = 1.10 Dumping = 0.05 Roads = 0.01 Green Belt = 0.54	Land use Pattern in Hects as on 01.04.2018 Mining = 1.10 Dumping = 0.05 Roads = 0.01 Green Belt = 0.54	There is no changes in Landuse pattern due to non working of Mines from 2016
3p	Production of ROM mineral during the last five year period as applicable	2017-2018 = 23000 Tons 2016-2017 = 25000 Tons 2015-2016 = 25000 Tons 2014-2015 = 25000 Tons 2013-2014 = 25000 Tons	2017-2018 = Nil 2016-2017 = Nil 2015-2016 = 23000 Tons 2014-2015 = 22970 Tons 2013-2014 = 200 Tons	
3q	General remarks of inspecting officers on method of mining etc.	Manual Working	Manual Working	

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposed for Intercalated Waste	No dump is present	Mine is not Working because want of Statuary Clearances
4b	Location of topsoil, OB and mineral reject dumps	Eastern Side of Lease area	No dump is present in proposed area	
4c	Number of dumps within lease area and outside of lease area	One Dump Proposed within Lease area	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Eastern Side of the Lease area within the UPL	Nil	Proposed Temporary Dump
4e	Number of active and alive dumps.	Single Active Dump	No Dump has been formed	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Single	Nil	

4h	Whether Retaining wall or garland drain all along dumps are there.	There is no proposal for Retaining Wall, Garland Drainage	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	Single Dump Proposed	No Dump has been formed

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 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
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	To be submitted before 30th July of every year	Submitted
6b	Area available for rehabilitation (ha) .	Nil	Nil
6c	afforestation done (ha).	0.027 Hect/ Year	0.020 Hect/ year
6d	No. of saplings planted during the year	50 Saplings/ Year	50 Saplings/ Year
6e	Cumulative no .of plants	1080 saplings proposed from 2012-2017	330 saplings planted during 2012-2017
6f	Any other method of rehabilitation	No Proposal	Nil
6g	Cost incurred on watch and care during the year	1 Lakhs	1 Lakhs
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)	Quartely Environmental Monitoring Proposal	Quartely Environmental Monitoring is done by Private Consultant
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Nil	Lessee is conducting environmental monitoring and all are within permissible limit

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM = 25556 Tons/ Saleable Ore = 23000 Tons	Nil	Mine is not Working because want of Statuary Clearances
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	Cao = +35% Sio2= - 4%	Cao = +35% Sio2= - 4%	

7d	Any beneficiation process at mines .	Manually Sorting and Sizing is Proposed	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Nil	Mine is not Working because want of Statuary Clearances from 2016.

Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	There is no Proposal forseparatly remove and utilized the topsoil.	Nil	Mine is not Working because want of Statuary Clearances
8b	Concurrent use or storage of topsoil	No Proposal	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	One dump is Intercalated waste	No Dump is present	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	At present there is no proposal for restoring.	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	50 Sapling/ Year	50 Sapling/ Year
8g	Survival rate	70%	60%
8h	Water sprinkling on roads to control airborne dust	Water tanker is proposed	Water sprinkling is done
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Nil	Scanty vegetation, bushes, neem are observed in & outside the lease area

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Submitted	Submitted within the time limits	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	For 2017-2018 yet to be submitted	Nil	Mine is not Working because want of Statuary Clearances
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	For 2017-2018 yet to be submitted	Nil	Mine is not Working because want of Statuary Clearances
9d	Scrutiny of Annual return on afforestation	For 2017-2018 yet to be submitted	330 Saplings has planted in previous plan period	Mine is not Working because want of Statuary Clearances
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	For 2017-2018 yet to be submitted	Nil	Mine is not Working because want of Statuary Clearances
9f	Scrutiny of Annual return on ROM stock and/or graded ore	For 2017-2018 yet to be submitted	Nil	Mine is not Working because want of Statuary Clearances

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	For 2017-2018 yet to be submitted	Nil	Mine is not Working because want of Statuary Clearances
9h	Scrutiny of Annual return on fixed assets	For 2017-2018 yet to be submitted	Nil	Mine is not Working because want of Statuary Clearances
9k	Scrutiny of Annual return on mining machineries	For 2017-2018 yet to be submitted	Nil	Mine is not Working because want of Statuary Clearances

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 :

(G. S. KANNAN)

Indian Bureau of Mines