

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

**MCDR inspection REPORT**

**Goa regional office**

**Mine file No :** KNT/BJP/LST-99/GOA

**Mine code :** 38KAR26078

- (i) Name of the Inspecting : **K03** ) **G. S. KANNAN**  
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Shri. C.A.Patil, Lessee  
Official with  
Designation
- (iv) Date of Inspection : 02/08/2019
- (v) Prev.inspection date : 08/01/2018

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **MUDDAPUR LST. & DOL. MINE**
- (b) **Registration NO.** : **IBM/704/2011**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address :  
State : KARNATAKA  
District : BAGALKOT  
Village : MUDDAPUR  
Taluka : MUDHOL  
Post office :  
Pin Code :  
FAX No. :  
E-mail : manjunathminerals@gmail.com  
Phone : 09740007762
- (f) Police Station : LOKAPUR
- (g) First opening date : 11/09/2010
- (h) Weekly day of rest : TUE
2. Address for : VILLAGE: MUDDAPUR, TQ: MUDHOL  
correspondance : DIST: BAGALKOT  
KARNATAKA
3. (a) Lease Number : KAR1587
- (b) Lease area : 4.85
- (c) Period of lease : 20
- (d) Date of Expiry : 28/03/2030
4. Mineral worked : DOLOMITE Associated  
LIMESTONE Main

## 5. Name and Address of the

Lessee : CHANNABASAPPA A PATIL ,MAJUNATH MINERALS  
P.O.LOKAPUR TQ:MUDHOL DIST:  
BAGALKOT BAGALKOT KARNATAKA  
Phone:  
FAX :

Owner : CHANNABASAPPA A PATIL  
C/O MANJUNATH ELECTRICALS  
OPP. TO MAHADWAR P.O.  
LOKAPUR TQ:MUDHOL BAGALKOT  
KARNATAKA  
Phone: 09740007762  
FAX :

## Geologist

Name : P.Abhichandra,Full Time

Qualification :

Appointment/ : 26/02/2018

Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	18/11/2009
Plan/Scheme of Mining	:	Modif.of approved Mining Plan	07/11/2014
	:	Mining Scheme rule 12 MCDR1988	14/05/2015

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No Proposal	6 Core Boreholes has been drilled during 2017-2018	Form-J & K submitted.
1b	Exploration over lease area for geological axis 1 or 2	Geological axis - 1	Geological axis - 1	6 - Core boreholes were carried out in the lease area for Geological axis - 1, during 2017-2018 with 190 meterage.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Own drilling and/ or Contract drilling machines were used for Exploration in the past.	6 boreholes were drilled during 2017-2018. Total Rs. 2.50 lakhs was spent on exploration.	6 DDH with 190 meters has been drilled upto 2017-2018. Total expenditure towards exploration is 2.50 Lakhs
1d	Balance area to be explored to bring Geological axis in 1 or 2	Exploration was not proposed.	Exploration was carried out at 100m X 100m grid interval.	Entire area has been explored and under G-1.
1e	Balance reserve as on 01/04/20	As on 01.04.2019 Proved Mineral Reserves (111) = 347683 tons Pre-Feasibility Mineral Resources (221) = 848085 Tons.	As on 01.04.2019 Proved Mineral Reserves (111) = 391683 tons Pre-Feasibility Mineral Resources (221) = 848085 Tons.	
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	Geologically the top most area is more disturbed by Murram with Limestone

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
--------	------	-----------	-------------	---------

2a	Location of development w.r.t.lease area	2018-2019 working proposal was between section CC' on the Eastern side of the lease area	2018-2019, Working was carried out as per the proposal.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes, proposed separate benches in OB & Mineral.	2018-2019, Working was carried out as per the proposal.
2c	Stripping ratio or ore to OB ratio	1 : 0.05	1 : 0.05
2d	Quantity of topsoil generation in m3	No Topsoil has proposed during 2018-2019	Nil, there is no topsoil generation in 2018-2019
2e	Quantity of overburden generation in m3	OB waste is only Intercalated waste. During 2018-2019 it is proposed 1012 tons	450 tons of waste generation in 2018-2019
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Proposed 1012 tons of intercalated waste for 2018-2019	450 tons of waste generation in 2018-2019

---

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Development and production was proposed in Pit-1.	Development and production are carried out in single pit.	

---

3b	Quantity of ROM mineral production proposed	The total target of ROM Production proposed was 26012 tons during 2018-2019. Saleable production 25000 tons	Achieved ROM Production proposed was 8950 tons during 2018- 2019. Saleable production 8500 tons	8500 tons as ore and 450 tons as intercalate waste
3c	Recovery of sailable/usable mineral from ROM production	95%	95%	
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 Generation of Subgrade Mineral	There is No Generation of Subgrade Mineral	
3h	Manual / Mechanised method adopted for segregating from ROM	Semi mechanized Method	Semi mechanized Method	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No Beneficiation Study is Proposed	Only Manual Picking of Ore from Intercalated Waste	Crusher has been installed for sizing and screening of ore

3j	Provision of drilling and blasting in mineral benches	Spacing - 1.00m Burden - 0.900m Depth - 1.50m It is Proposed to drill by Jack Hammer and blasting by using Slurry & ANFO	As per proposal the Drilling & Blasting are done
3k	Provision of mining machineries in mineral benches	Jack Hammer - 2 Tracker Compressor - 3 Excavator - 1 Tractors - 1 Tippers - 5	As per proposal the machineries are there
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	In 2018-2019, Bench height of 3m was proposed in Mineral.	Bench height is 3-5m
3m	Total area covered under excavation/pits	3.00 hect area is proposed for Pit during 2018-2019	3.00 hect areas are under Pit only.
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	Land use Pattern as on 01.04.2019. Mines = 3.00 hect Dump = 0.25 hect Mineral stock = 0.25 hect Road = 0.22 hect	Land use Pattern as on 01.04.2019. Mines = 3.00 hect Dump = 0.25 hect Mineral stock = 0.25 hect Road = 0.22 hect

3p	Production of ROM mineral during the last five year period as applicable	2018-2019 = 25000 tons 2017-2018 = 25000 tons 2016-2017 = 25000 tons 2015-2016 = 25000 tons 2014-2015 = 25000 tons	2018-2019 = 8500 tons 2017-2018 = 21500 tons 2016-2017 = 16000 tons 2015-2016 = 10000 tons 2014-2015 = 10000 tons
3q	General remarks of inspecting officers on method of mining etc.	Semi Mechanized Method	Semi Mechanized Method

## 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 2018-2019 as dumping	Dumping has been carried out as per proposal	
4b	Location of topsoil, OB and mineral reject dumps	Single dump is proposed on Western side of the Lease area	Dump is present in proposed area	
4c	Number of dumps within lease area and outside of lease area	Lease area = 1 Non Lease area = Nil	Lease area = 1 Non Lease area = Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	
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.	Retaining wall & Garland drain proposed	Retaining wall & Garland drain are constructed
4i	Length of Retaining wall or garland drain all along dumps	Proposed Retaining wall = 185m & Garland drain = 235m	Achieved as per proposal of Retaining wall = 185m & Garland drain = 235m
4j	Number of settling ponds	No proposal	Nil
4k	Specific comments of inspecting officer on waste dump management	Single dump is proposed on Western side of the Lease area	Retaining wall & Garland drain are constructed

---

#### 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	No Proposal	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.	No Backfilling	The mine was not worked upto the proved depth and no backfilling was proposed.	

---



## 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).	It should be submitted on or before 1st July every year.	Not Submitted for the year 2018-2019.	Violation has pointed out under Rule 26 (2)
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	Proposed 0.037 hect in 2018-2019	0.08 hect achieved in 2018-2019	
6d	No. of saplings planted during the year	100 saplings proposed for 2018-2019	100 saplings achieved during 2018-2019	
6e	Cumulative no .of plants	950 nos proposed from 2013-2014 to 2018-2019	3500 nos achieved from 2013-2014 to 2017-2018 planted inside & outside lease area	
6f	Any other method of rehabilitation	Nil	Nil	
6g	Cost incurred on watch and care during the year	1.0 Lakhs	1.25 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)Afforestati 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	100 saplings proposed for 2018-2019	100 saplings achieved during 2018-2019	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Proposed 0.037 hect in 2018-2019	0.08 hect achieved in 2018-2019	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No Proposal	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Bi-Annually Survey	Environment monitoring is carried out through own as well as private agency.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	100 saplings proposed for 2018-2019	Cumulatively 3500 nos achieved from 2013-2014 to 2017-2018 planted inside & outside lease area	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	26012/ ROM 25000/ Saleable Ore	8950/ ROM 8500/ Saleable Ore
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual
7c	Different grade of mineral sorted out at mines.	CaO = +47% MgO = 0.5 - 5.5% SiO2 = 4.0 %	CaO = +47% MgO = 0.5 - 5.5% SiO2 = 4.0 %
7d	Any beneficiation process at mines .	Manually sorting and sizing proposed	Manually sorting and sizing is being done
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Nil	Lessee is using all the ore by blending with high grade ore. As per buyers specification

---

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	There is no proposal for separately remove and utilized of topsoil	Nil, Topsoil generation is not there	
8b	Concurrent use or storage of topsoil	Nil	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	One dump is for OB on the Western Side of the Lease area	As per proposal dump is formed	

---

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)	No Proposal	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	100 saplings per year	Lessee has planted 100 plants during 2018-2019	Cumulatively 3500 nos achieved from 2013-2014 to 2018-2019 planted inside & outside lease area
8g	Survival rate	90%	90%	
8h	Water sprinkling on roads to control airborne dust	Yes, it is proposed for water sprinkling on haul roads.	Daily Water tanker is spraying water on mines roads side to control airborne dust.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Scanty vegetation, bushes, neem are observed in lease area	Surrounding area beyond lease area is greenery	

---

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR Submitted up to = June 2019 AR Submitted up to = 2018-2019	Both Annual & Monthly returns are submitting in online system.	

---

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Part time Mining Geologist has appointed.	Only Mines mate is working as Permit Manager
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use Pattern as on 01.04.2019. Mines = 3.00 hect Dump = 0.25 hect Mineral stock = 0.25 hect Road = 0.22 hect	Landuse Pattern is filled as per approved Mining Plan
9d	Scrutiny of Annual return on afforestation	Lessee has planted 100 saplings during 2018-2019	Lessee has planted 100 saplings inside lease area during 2018-2019. With Survival Rate of 90%
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	There is no Mineral Rejects Generation	There is no Mineral Rejects Generation
9f	Scrutiny of Annual return on ROM stock and/or graded ore	36439 tons of processed Limestone has been stocked	Mine has produced 8500 tons of Production during 2018-2019 and 708 tons has dispatches.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of Production & Ex. Mine Price has shown	Some invoice has been checked and matching
9h	Scrutiny of Annual return on fixed assets	Fixed Assets is given	Fixed Assets is filled
9k	Scrutiny of Annual return on mining machineries	Machineries details given	As available in field

---

**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 26(2)	06/08/2019			
MCDR17	Rule 33	06/08/2019			
MCDR17	Rule 35(2)	06/08/2019			

**Date :**

**(G. S. KANNAN)**

Indian Bureau of Mines