

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

MCDR inspection REPORT

Goa regional office

Mine file No : KNT/BJP/LST-94/GOA

Mine code : 38KAR26074

- (i) Name of the Inspecting : P01) PREM PRAKASH
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : SHRI.A.B.ANAGAL, LESSEE
Official with
Designation
- (iv) Date of Inspection : 12-DEC-19
- (v) Prev.inspection date : 12-JUL-18

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : NAGANPUR (M.L.NO.2609)
- (b) **Registration NO.** :
- (c) **Category** : A Other Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : KARNATAKA
- District : BAGALKOT
- Village : NAGANAPUR
- Taluka : MUDHOL
- Post office : LOKAPUR
- Pin Code : 587313
- FAX No. : 08350-282963
- E-mail : srishaminerals@gmail.com
- Phone : 9448342963
- (f) **Police Station** : LOKAPUR
- (g) **First opening date** : 05-AUG-09
- (h) **Weekly day of rest** : TUE
2. **Address for correspondance** : AT-NAGANAPUR
TQ-MUDHOL
DIST-BAGALKOT, KARNATAKA
3. (a) **Lease Number** : KAR1579
- (b) **Lease area** : 4.86
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 09-JUL-29
4. **Mineral worked** : DOLOMITE Associated
LIMESTONE Main

5. Name and Address of the

Lessee : A.B.ANAGAL
 ANAND NAGAR MUDHOL TQ-
 MUDHOL BAGALKOT KARNATAKA
 Phone:09448342963
 FAX :

Owner : A.B.ANAGAL
 ANAND NAGAR MUDHOL
 BAGALKOT KARNATAKA
 Phone:
 FAX :

Geologist

Name : A Vijaykumar, Full Time
 Qualification : MSC Geology
 Appointment/ : 01-NOV-14
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	27-NOV-08
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	31-JUL-14
	:	MP modif under 17(3) MCR 2016	28-JAN-19

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	07 nos. of Bore holes drilled in year 2016-17 against the Proposal of 02 BHs in the year 2015-16.
1b	Exploration over lease area for geological axis 1 or 2	No exploration proposal in the year 2018-19	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	The entire Lease area is covered under Geological axis 1 or 2.
1e	Balance reserve as on 01/04/20		Limestone: 111= 2907120 tons 211 = 855496 tons Dolomite : 111= 212506 tons 211 = 589404tons	Reserve as on 01.11.2018 As per latest MMP approved on 28.01.2019
1f	General remarks of inspecting officers on geology, exploration etc		No exploration proposal was given for the year 2018-19. The entire Lease area is covered under Geological axis 1 or 2.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Proposal given in existing pit as shown over development plan	Carried out in the proposed area.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in overburden and mineral proposed	Working carried out in OB and mineral benches with removal of intercalated waste from mineral benches.	

2c	Stripping ratio or ore to OB ratio	1:1.05 in the year 2018-19	1:1.05	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	5789 tons in the year 2018-19	2500 tons intercalated waste from ROM	Generation of intercalated waste/OB is lesser than proposed as production of ore is also less.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Development of pit carried out at the proposed area. Generation of intercalated waste/OB is lesser than proposed as production of ore is also less reportedly due to less market demand of the mineral. However, Stripping ratio or ore to OB ratio has been maintained as proposed.	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01 pit	01 pit	
3b	Quantity of ROM mineral production proposed	100000 tons in the year 2018-19	50000 tons	Production of ore is less than proposed reportedly due to less market demand of the mineral.
3c	Recovery of sailable/usable mineral from ROM production	95%	95%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	
3f	Quantity of sub grade mineral generation.	Nil	Nil	

3g	Grade of sub grade mineral generation	Nil	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	
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	Jack Hammer drilling & blasting	Jack Hammer drilling & blasting	
3k	Provision of mining machineries in mineral benches	Manual	Manual	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3m	However, regular pit benches of 3m height and 8m width are not maintained, instead bench height of about 6m and above observed at places.	Violation issued in this regard.
3m	Total area covered under excavation/pits	2.6 ha	About 2.6 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:1.05 in the year 2018-19	1:1.05	
3o	Total area put in use under different heads at the end of year	Entire lease area including 7.5m safety zone/green belt	Entire lease area including 7.5m safety zone/green belt	
3p	Production of ROM mineral during the last five year period as applicable	14-15 = 100000 Tons 15-16 = 100000 Tons 16-17 = 100000 Tons 17-18 = 100000 Tons 18-19 = 100000 Tons	14-15 = 19500 Tons 15-16 = 81500 Tons 16-17 = 80000 Tons 17-18 = 83000 Tons 18-19 = 50000 Tons	ROM figure is mentioned as per latest MMP approved on 28.01.2019 and Annual Return submitted for the yr. 2018-19

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposed separately (Only OB Dump) Proposed separately (Only OB Dump)	OB Dump has made separately	
4b	Location of topsoil, OB and mineral reject dumps	OB Dump in North-western part of the lease	OB Dump has been made in North- western part of the lease	
4c	Number of dumps within lease area and outside of lease area	Lease area = 1 Non Lease area = 0	Lease area = 1 Non Lease area = 0	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	
4e	Number of active and alive dumps.	01	01	
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.	yes	Retaining wall and garland drain were not constructed/ made around the waste dump	Violation issued in this regard.
4i	Length of Retaining wall or garland drain all along dumps	65m	Nil	Violation issued in this regard.
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management		One small waste/OB Dump has been made in North-western part of the lease. Retaining wall and garland drain were not constructed/ made around the waste dump. Violation issued in this regard.	

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.	Back filling 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.			Mineral has not been exhausted from any part of the lease, hence backfilling/ reclamation has not envisaged.

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 of every year	Not Submitted	Violation issued in this regard
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6f	Any other method of rehabilitation	Nil	Nil	
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 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	50 plants proposed	200 plants reported planted in year 2018-19
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)		along ML boundary in 7.5m safety barrier
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation		Planation.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Monitoring on regular basis	Monitoring being done regularly

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Mineral has not exhausted from the pit, hence backfilling/ reclamation and PMCP by R&R has not been envisaged.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM / grade Wise despatch after size reduction	ROM & grade Wise being Despatched after size reduction & Manual sorting	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	yes	Different grade of mineral sorted out at mines	
7d	Any beneficiation process at mines	Nil	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		ROM/grade Wise mineral being despatched after Manual sorting or/and dry Crushing as per requirement.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	
8b	Concurrent use or storage of topsoil	Nil	Nil	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump for OB/waste	Separate dump for OB/waste Maintained as per proposal
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	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)		200 plants reported planted in year 2018-19
8g	Survival rate		70%
8h	Water sprinkling on roads to control airborne dust	yes	Water sprinkling being carried out on regular Basis
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Aesthetic beauty in and around mines area appears to be good.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR Submitted up to = 2018-2019 AR Submitted up to = November 2019	Submitted regularly	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	No mining Engineer, Geologist indicated	Mines Manager and Full time geologist are appointed. However, geologist was not shown in Annual Return of the year 2018-19	No mining Engineer appointed. Violation issued in this regard.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		furnished	
9d	Scrutiny of Annual return on afforestation	200 Nos.	200 Nos. with 80% survival rate	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	graded ore stock of Limestone: 75735.240 te	graded ore stock of Limestone: 75735.240 te	As per submitted Annual Return of the year 2018-19
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex. Mine price Limestone: 354 Rs./te; production cost :286 Rs/te	Ex. Mine price Limestone: 354 Rs./te; production cost :286 Rs/te	As per submitted Annual Return of the year 2018-19
9k	Scrutiny of Annual return on mining machineries		furnished	

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
MCDR17	Rule 11(1)	05-FEB-20			
MCDR17	Rule 26(2)	05-FEB-20			
MCDR17	Rule 35(2)	05-FEB-20			
MCDR17	Rule 45(7)(a)	05-FEB-20			
MCDR17	Rule 55(1)(3)	05-FEB-20			

Date :

(PREM PRAKASH)

Indian Bureau of Mines