

**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 : **K03**) **G. S. KANNAN**
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : **SHRI. A.B.ANAGAL, LESSEE**
Official with
Designation
- (iv) Date of Inspection : 08/01/2018
- (v) Prev.inspection date : 17/02/2016

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 : 05/08/2009
- (h) Weekly day of rest : TUE
2. Address for : AT-NAGANAPUR
correspondance : TQ-MUDHOL
DIST-BAGALKOT, KARNATAKA
3. (a) Lease Number : KAR1579
- (b) Lease area : 4.86
- (c) Period of lease : 20
- (d) Date of Expiry : 09/07/2029
4. Mineral worked : LIMESTONE Main
DOLOMITE Associated

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/ : 01/11/2014
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	27/11/2008
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	31/07/2014

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	3 DTH Borehole Proposed in Scheme period	6 DDH boreholes has been drilled	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	2.0 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 01/04/2017 - Limestone Proved Mineral Reserves =509992 Tons Pre-Feasibility Mineral Resources = 2095709 Tons Inferred Mineral Resources = 766490 Tons	As on 01/04/2017 - Limestone Proved Mineral Reserves =709492 Tons Pre-Feasibility Mineral Resources = 2095709 Tons Inferred Mineral Resources = 766490 Tons	
1f	General remarks of inspecting officers on geology, exploration etc	Nil	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 and to find contact zone of Limestone & Dolomite	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t. lease area	In the Year 2016-2017 there was proposal to work in the Section AA'	Working has been not carried out as per the proposal	Violation issued Under Rule 11(1)
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Topsoil bench is 2m height & 4m Width Limestone Bench is 3m height	Limestone Bench is 5-6m height	Violation has been issued for not Maintance the bench height properly
2c	Stripping ratio or ore to OB ratio	1 : 0.05	1 : 0.07	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	5263 Tons	5789 Tons	
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 9m work out pit for Limestone, simultaneously Dolomite also in limestone pit	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single Pit	Single Pit	
3b	Quantity of ROM mineral production proposed	100000 Tons	80000 Tons	
3c	Recovery of sailable/usable mineral from ROM production	95%	93%	
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	Semi Mechanised Method is adopted for Segrating ROM and Manually Sorting and Sizing is also being done.	
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 - 1m Burden - 0.90m Depth - 1.50m	Spacing - 1m Burden - 0.90m Depth - 1.50m	
3k	Provision of mining machineries in mineral benches	Excavator - 2 Nos Tippers - 3 Nos Compressors - 2 No Water tanker - 1 No Jeep - 1 No	Excavator - 2 Nos Tippers - 3 Nos Compressors - 2 No Water tanker - 1 No Jeep - 1 No	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height - 3.0 m	Height - 5 to 6 m	Violation has issued under Rule 11(1)
3m	Total area covered under excavation/pits	2.916 hect	2.9 hect	
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.05	1 : 0.07	

3o	Total area put in use under different heads at the end of year	Land use Pattern as on 01.04.2017. Mines = 2.916 hect Dump = 0.322 hect Mine road = 0.143 hect Green Belt = 0.450 hect	Land use Pattern as on 01.04.2017. Mines = 2.916 hect Dump = 0.20 hect Mine road = 0.143 hect Green Belt = 0.350 hect
3p	Production of ROM mineral during the last five year period as applicable	2016-2017 = 100000 tons 2015-2016 = 100000 tons 2014-2015 = 100000 tons 2013-2014 = 20000 tons 2012-2013 = 20000 tons	2016-2017 = 80000 tons 2015-2016 = 81500 tons 2014-2015 = 19500 tons 2013-2014 = 12000 tons 2012-2013 = 140000 tons
3q	General remarks of inspecting officers on method of mining etc.	Semi Mechanised Mining	Semi Mechanised Mining

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Propoed for Intercalated Waste	Dumping has been carried out as per proposal	
4b	Location of topsoil, OB and mineral reject dumps	Western Side of Lease area	Dump is present in proposed area	
4c	Number of dumps within lease area and outside of lease area	One Dump Proposed within Lease area	One	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside the UPL	Outside the UPL	
4e	Number of active and alive dumps.	One	One	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	One	One	

4h	Whether Retaining wall or garland drain all along dumps are there.	Retaining wall and Garland drain proposed	As per proposal Retaining wall and Garland drain are present
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall = 185m Garland drain = 260m	Retaining wall = 160m Garland drain = 220m
4j	Number of settling ponds	No Proposal	Nil
4k	Specific comments of inspecting officer on waste dump management	Single Dump Proposed	Dumping has made as per proposal

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.	Nil	Nil	

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	Not Submitted for the year 2016-2017	Violation has pointed out under Rule 26(2)
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	0.05 Hect/ Year	0.05 Hect/ Year	
6d	No. of saplings planted during the year	50 saplings	50 saplings	
6e	Cumulative no .of plants	450 Plants (250 Plants upto 2014, 50Plants/ year from 2014-2017)	650 Plants (450 Plants upto 2014, 50Plants/ year from 2014-2017)	
6f	Any other method of rehabilitation	No Proposal	Nil	
6g	Cost incurred on watch and care during the year	1.0 Lakhs	0.70 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)	Bi-annually Survey	Quartely Environmental Monitoring is done by Private Consultant
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	100000 Tons	80000 Tons	

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% Sio2= - 4% Mgo = 0.5-5.5%	Cao = +47% Sio2= - 4% Mgo = 0.5-5.5%
7d	Any beneficiation process at mines .	Manually Sorting and Sizing is 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 utilised 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)	Nil	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	50 Sapling/ Year	50 Sapling/ Year. No additional Plantation is done
8g	Survival rate	80%	60%
8h	Water sprinkling on roads to control airborne dust	Water spray along the road was proposed	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	Nil	Nil

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	No Mining Engineer, Geologist	Full time Geologist is appointed but not shown in Annual Returns	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use Pattern as on 01.04.2017. Mines = 2.916 hect Dump = 0.20 hect Mine road = 0.143 hect Green Belt = 0.350 hect	As per approved plan, Land use pattern are present	

9d	Scrutiny of Annual return on afforestation	50 plants planted	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	There is no Mineral Rejects generation	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	16850 Tons Stocked with Grade Cao= +46	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of Production Rs.254/- per Tons	Ex Mine price is not given.
9h	Scrutiny of Annual return on fixed assets	Fixed Assets is given	Fixed Assests is filled Properly
9k	Scrutiny of Annual return on mining machineries	Machineries detail given	As avaiable 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 11(1)	30/01/2018	28/03/2018	MCDR17	Rule 27(1)	30/01/2018	
MCDR17	Rule 26(2)	30/01/2018	28/03/2018	MCDR17	Rule 27(2)	30/01/2018	
MCDR17	Rule 27(1)	30/01/2018					
MCDR17	Rule 27(2)	30/01/2018					
MCDR17	Rule 33	30/01/2018	28/03/2018				
MCDR17	Rule 46(a)	30/01/2018	28/03/2018				

Date :

(G. S. KANNAN)

Indian Bureau of Mines