

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

**MCDR inspection REPORT**

**Goa regional office**

**Mine file No :** KNT/BJP/LST-66/GOA

**Mine code :** 38KAR26048

- (i) Name of the Inspecting : **K03** ) **G. S. KANNAN**  
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Shri. Shanker Babu, Mines Manager  
Official with  
Designation
- (iv) Date of Inspection : 09-JAN-19
- (v) Prev.inspection date : 29-MAY-14

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **NAGANPUR ( ML 2401 )**
- (b) **Registration NO.** : **IBM/6702/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address  
State : KARNATAKA  
District : BAGALKOT  
Village : NAGANAPUR  
Taluka : MUDHOL  
Post office : LOKAPUR  
Pin Code : 589122  
FAX No. :  
E-mail : nagaraj.minerals.2401@gmail  
Phone : 08350-240301(R) 240581(O),!
- (f) Police Station : Lokapur
- (g) First opening date : 11-JUN-03
- (h) Weekly day of rest : TUE
2. Address for : Shri V.R.Patil, Owner, M/s Naveen Minerals  
correspondance : At-Naganapur, Po-Lokapur-587122  
Tq-Mudhol, Dist-Bagalkot
3. (a) Lease Number : KAR1359
- (b) Lease area : 2.57
- (c) Period of lease : 20
- (d) Date of Expiry : 22-MAY-23
4. Mineral worked : DOLOMITE Associated  
LIMESTONE Main

## 5. Name and Address of the

Lessee : VITTAL RAMCHANDRA GOUD PATIL  
P.O. LOKAPUR MUDHOL TALUKA  
BAGALKOT KARNATAKA  
Phone:  
FAX :

Owner : V.R.PATIL  
AT-NAGANAPUR PO-LOKAPUR TQ-  
MUDHOL BAGALKOT KARNATAKA  
Phone: 08350-240301(R)  
FAX :

## Mining Engineer

Name : GIRISH BASAVANNEPPA BALLARI, Full Time  
Qualification : B.Tech. Mining  
Appointment/ : 07-JUN-13  
Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	26-MAR-03
Plan/Scheme of Mining		Modif.of approved Mining Plan	19-SEP-05
		Mining Scheme rule 12 MCDR1988	17-MAR-10
		Mining Scheme rule 12 MCDR1988	08-AUG-13
		MP modif under 17(3) MCR 2016	18-APR-18

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	3 DTH boreholes are proposed in previous Scheme period.	7 Core Boreholes has been drilled during previous scheme period 2015	Form-J & K submitted
1b	Exploration over lease area for geological axis 1 or 2	Geological axis - 1	Geological axis - 1	7 - Core boreholes were carried out in the lease area for Geological axis - 1, during previous scheme period 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.	7 boreholes were drilled during 2015. Total Rs. 3.00 lakhs was spent on exploration.	7 DDH with 190 meters has been drilled upto 2017-2018. Total expenditure towards exploration is 3.00 Lakhs
1d	Balance area to be explored to bring Geological axis in 1 or 2	Exploration was proposed out at 100m X 100m grid interval.	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 01.04.2018 Proved Mineral Reserves (111) = 511247 tons Feasibility Mineral Resources (211) = 535009 Tons.	As on 01.04.2018 Proved Mineral Reserves (111) = 511247 tons Feasibility Mineral Resources (211) = 535009 Tons.	Hence there is no mining activity from April 2018; 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	Geologically the top most area is more disturbed by Murram with Limestone

## Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	2017-2018 working proposal was N-1788125 to 1788294/ E-536864 to 537043 2018-2019 working proposal was N-1788128 to 1788311/ E-536866 to 537067	2017-2018, working has not carried out as per proposal. In 2018-2019, Working was not carried out as per the proposal.	Mining plan has been modified from 2018-2019 to 2022-2023.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes, proposed separate benches in OB & Mineral.	Working has been not carried out as per the proposal.	Mine is not Working from April 2018, for want of Statuary Clearances.
2c	Stripping ratio or ore to OB ratio	1 : 0.06	Nil	
2d	Quantity of topsoil generation in m3	No Proposal	Nil, there is no topsoil generation for 2018-2019	
2e	Quantity of overburden generation in m3	OB waste is only Intercalated waste. During 2017-2018 it is proposed 1773 m3 / 3546 tons	177 Cu.m/ 355 tons have been achieved.	Waste quantity is less against planned, as environmental clearance is yet to be obtained for increase in production capacity.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Proposed 3546 tons of intercalated waste for 2017-2018	355 waste has been achieved during 2017-2018	Mine is not Working from April 2018, for want of Statuary Clearances. The lease has submitted Temporary discontinuance notice from 01.04.2018

## Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	Development and production was proposed in Pit-1.	Development and production are not carried out.	
3b	Quantity of ROM mineral production proposed	The total target of ROM Production was 22055 tons during 2017-2018.	8000 tons of Limestone	Production quantity is less against planned, as environmental clearance is yet to be obtained for increase in production capacity.
3c	Recovery of sailable/usable mineral from ROM production	95%	95% for 2017-2018	
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	Manual Method	Manual Method	
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	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 - 3.00m 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 Tractor Compressor - 1 Excavator - 1 Tractors - 1 Tippers - 2	Jack Hammer - 1 Tractor Compressor - 1 Tractors - 1 Tippers - 1	Mine is not Working from April 2018, for want of Statuary Clearances. No mining machineries were observed in mines during the day of inspection.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	In 2017-2018, Bench height of 3m was proposed in Mineral.	Bench Height is more than proposal during 2017-2018.	In the approved mining plan (2018-2019 to 2022-2023) the bench height has been proposed for 6m
3m	Total area covered under excavation/pits	1.62 hect area is proposed for Pit during 2017-2018	1.62 hect areas are under Pit only.	
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.06 for 2018-2019	Nil for 2018-2019	
3o	Total area put in use under different heads at the end of year	Land use Pattern as on 01.04.2018. Mines = 1.622 hect Road = 0.20 hect 7.5m Safety Zone = 0.503 hect	Land use Pattern as on 01.04.2018. Mines = 1.622 hect Road = 0.20 hect 7.5m Safety Zone = 0.503 hect	Mine is not Working from April 2018, therefore there is no changes in Land use pattern

3p	Production of ROM mineral during the last five year period as applicable	2017-2018 = 22055 tons 2016-2017 = 24940 tons 2015-2016 = 24052 tons 2014-2015 = 24945 tons 2013-2014 = 24999 tons	2017-2018 = 8000 tons 2016-2017 = 8000 tons 2015-2016 = 8000 tons 2014-2015 = 8000 tons 2013-2014 = 6200 tons	Production quantity is less against planned, as environmental clearance is yet to be obtained for increase in production capacity.
3q	General remarks of inspecting officers on method of mining etc.	Semi Mechanised Method	Mine is not Working from April 2018, for want of Statuary Clearances.	

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Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No Proposal	Nil	
4b	Location of topsoil, OB and mineral reject dumps	No Proposal	Nil	Mine is not Working from April 2018, for want of Statuary Clearances.
4c	Number of dumps within lease area and outside of lease area	Lease area = Nil Non Lease area = Nil	Lease area = Nil Non Lease area = 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.	Restoration of 0.15 hect has been proposed along the Lease boundary in 2018-2019	Restoration has been not formed as per proposal	Mine is not Working from April 2018, for want of Statuary Clearances.
4i	Length of Retaining wall or garland drain all along dumps	0.15 ha has been proposed during 2018-2019 for restoration area.	Nil	Violation has pointed out under Rule 11 (1)
4j	Number of settling ponds	No proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management	Nil	Mine is not Working from April 2018, for want of Statuary Clearances.	

#### 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.	0.15 ha has been proposed during 2018-2019 for restoration area.	Nil	Violation has pointed out under Rule 11 (1)
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	Restoration of safety zone has been proposed, whereas not achieved.	Mine is not Working from April 2018, for want of Statuary Clearances.



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 Progressive Mine Clousre Plan:
 

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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 on or before 1st July every year.	Not Submitted for the year 2017-2018.	Violation has pointed out under Rule 26 (2)
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	Proposed 0.12 hect in 2017-2018 and 0.068 hect in 2018-2019	Not achieved for 2017-2018 and 2018-2019	
6d	No. of saplings planted during the year	103 saplings for 2017-2018 and 68 for 2018-2019	No saplings achieved during 2017-2018 and 2018-2019	Violation has pointed out under Rule 11 (1)
6e	Cumulative no .of plants	503 nos proposed from 2013-2014 to 2017-2018	4000 nos achieved from 2013-2014 to 2017-2018	
6f	Any other method of rehabilitation	Nil	Nil	
6g	Cost incurred on watch and care during the year	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 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	103 saplings for 2017-2018 and 68 for 2018-2019	No saplings achieved during 2017-2018 and 2018-2019	Violation has pointed out under Rule 11 (1)
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Proposed 0.12 hect in 2017-2018 and 0.068 hect in 2018-2019	Not achieved for 2017-2018 and 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.	Cumulatively 4000 plants have been planted during 2013-2018.	Environment monitoring is carried out through own as well as private agency.
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#### Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	25601 tons ROM/ 22055 tons Saleable Ore during 2017-2018	11546 tons ROM/ 8000 tons Saleable Ore for 2017-2018	Production quantity is less against planned, as environmental clearance is yet to be obtained for increase in production capacity.
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% MgO = 0.5 - 1.5% SiO <sub>2</sub> = 4.0 %	CaO = +35% MgO = 0.5 - 1.5% SiO <sub>2</sub> = 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	Manually sorting and sizing is being done	Lessee is using all the ore by blending with high grade ore. As per buyers specification	

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#### Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	1973 tons has Proposed during 2017-2018	Nil	
8b	Concurrent use or storage of topsoil	Storage of Topsoil	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed for intercalated waste in the restoration of safety zone of lease area.	Not achieved	Violation has pointed out under Rule 11 (1)
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	It is proposed for restoring in safety zone.	Not achieved	
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)	Proposed 103 saplings for 2017-2018 and 68 for 2018-2019	Not achieved for 2017-2018 and 2018-2019	Cumulatively 4000 plants have been planted during 2013-2018. Violation has pointed out under Rule 11 (1) for 2018-2019
8g	Survival rate	60%	50%	
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

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR Submitted up to = November 2018 AR Submitted up to = 2016-2017	Both Annual & Monthly returns are submitting in online system. Annual return for 2017-2018 has not submitted and Violation has pointed out under Rule 45(5)(c)(i)	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	No Mining Engineer.	Only Mines mate is working as Permit Manager.	It is advised to appoint mining engineer/ Geologist. Violation has pointed out under Rule 55(1)(3)(iii)
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Nil	Annual return for 2017-2018 not submitted.	Mine is not working from April 2018 for want of EC. Annual return for 2017-2018 not submitted. Violation has pointed out under Rule 45(5)(c)(i)
9d	Scrutiny of Annual return on afforestation	Nil	Annual return for 2017-2018 not submitted.	Mine is not working from April 2018 for want of EC. Annual return for 2017-2018 not submitted. Violation has pointed out under Rule 45(5)(c)(i)

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Annual return for 2017-2018 not submitted.	Mine is not working from April 2018 for want of EC. Annual return for 2017-2018 not submitted. Violation has pointed out under Rule 45(5)(c)(i)
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Annual return for 2017-2018 not submitted.	Mine is not working from April 2018 for want of EC. Annual return for 2017-2018 not submitted. Violation has pointed out under Rule 45(5)(c)(i)
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil	Annual return for 2017-2018 not submitted.	Mine is not working from April 2018 for want of EC. Annual return for 2017-2018 not submitted. Violation has pointed out under Rule 45(5)(c)(i)
9h	Scrutiny of Annual return on fixed assets	Nil	Annual return for 2017-2018 not submitted.	Mine is not working from April 2018 for want of EC. Annual return for 2017-2018 not submitted. Violation has pointed out under Rule 45(5)(c)(i)
9k	Scrutiny of Annual return on mining machineries	Nil	Annual return for 2017-2018 not submitted.	Mine is not working from April 2018 for want of EC. Annual return for 2017-2018 not submitted. Violation has pointed out under Rule 45(5)(c)(i)

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**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)	22-JAN-19			
MCDR17	Rule 26(2)	22-JAN-19			
MCDR17	Rule 35(2)	22-JAN-19			
MCDR17	Rule 45(5) (c	22-JAN-19			
MCDR17	Rule 55(1) (3)	22-JAN-19			

**Date :**

**(G. S. KANNAN)**

Indian Bureau of Mines