

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

**MCDR inspection REPORT**

**Goa regional office**

**Mine file No :** KNT/BJP/LST-106/GOA

**Mine code :** 38KAR26092

- (i) Name of the Inspecting : P01 ) PREM PRAKASH  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : SHRI. R.M.JUMANAL, MANAGING PARTNER  
Official with  
Designation
- (iv) Date of Inspection : 15-OCT-20
- (v) Prev.inspection date : 05-MAR-20

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : NAGANAPUR LST MINE(ML001)
- (b) **Registration NO.** : IBM/19971/2015
- (c) **Category** : A Other than Fully Mech.
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : KARNATAKA
- District : BAGALKOT
- Village : NAGANAPUR
- Taluka : MUDHOL
- Post office : BAGALKOT
- Pin Code :
- FAX No. :
- E-mail : rmjumanal@gmail.com
- Phone : 08354-235006
- (f) **Police Station** : LOKAPUR
- (g) **First opening date** : 13-MAR-17
- (h) **Weekly day of rest** : TUE
2. **Address for correspondance** : P.O.-LOKAPUR,  
TALUKA-MUDHOL, DISTRICT - BAGALKOT,  
KARNATAKA - 587 122.
3. (a) **Lease Number** :
- (b) **Lease area** :
- (c) **Period of lease** :
- (d) **Date of Expiry** :
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : M/S. SRI NANDI MINING COMPANY  
SECTOR NO. 63-A, PLOT  
NO.114(S), NAVANAGAR,  
BAGALKOT-587 103 KARNATAKA  
BAGALKOT KARNATAKA  
Phone:08354 235006  
FAX :

Owner : M/s. SRI NANDI MINING COMPANY  
SECTOR NO. 63-A, PLOT NO.  
114(S), NAVANAGAR, BAGALKOT  
- 587103 KARNATAKA BAGALKOT  
KARNATAKA  
Phone: 08354 235006  
FAX :

6. Date of approval of Mining : MP modif under 17(3) MCR 2016 23-AUG-19  
Plan/Scheme of Mining

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for geological axis 1 or 2	No exploration proposal in the year 2019-20	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	-	-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	-	-	The entire Lease area is covered under Geological axis 1 or 2.
1e	Balance reserve as on 01/04/20	-	111-3177260 te 211-2354303 te	as on 01/04/2020
1f	General remarks of inspecting officers on geology, exploration etc		No exploration proposal was given for the year 2019-20. 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	Pit working/excavation proposed to be carried out in year 2019-20 & 2020-21 in the northern side of Lease area up to the depth of RL 545 m	However, Pit working/excavation observed lagging far behind than approved in the northern side of Lease area; and working/excavation being carried out in central and southern part of the Pit/Lease area.	Violation issued for the same.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No Separate Benches, Mix benches are Proposed	Mix benches maintained	
2c	Stripping ratio or ore to OB ratio	1:0.02	1:0.025	m3:m3

2d	Quantity of topsoil generation in m3	12439 Cum in year 2019-20	11195 Cum
2e	Quantity of overburden generation in m3	898 m3 in year 2019-20	712 m3 (1425 Te)
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Pit working/excavation observed lagging behind than approved in the northern side of Lease area; and working/excavation being carried out in central and southern part of the Pit/Lease area. Violation issued for the same.	

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	2 nos.	2 nos.	North & South pit in close proximity
3b	Quantity of ROM mineral production proposed	124987 te in year 2019-20	70000 te	
3c	Recovery of sailable/usable mineral from ROM production	-	70000 te	
3d	Quantity of mineral reject generation	-	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	-	NA	
3f	Quantity of sub grade mineral generation.	-	Nil	
3g	Grade of sub grade mineral generation	-	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	-	Nil	
3j	Provision of drilling and blasting in mineral benches	35 Ø mm J H Holes Blasting With Slurry Explosive Proposed	35 Ø mm J H Holes Blasting With Explosive Proposed	
3k	Provision of mining machineries in mineral benches	Hydraulic Excavator and Tippers	Hydraulic Excavator and Tippers	
3m	Total area covered under excavation/pits	3.60 Ha up to 2020-21	about 3 ha.	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.02	1:0.025	m3:m3
3o	Total area put in use under different heads at the end of year	5.45 Ha up to 2020-21	About 4.7 ha. up to 2019-20	
3p	Production of ROM mineral during the last five year period as applicable	2016-17 :- 49965 2017-18 :- 99948 2018-19 :- 124798 2019-20 :- 124987 te	2016-17 :- 19052 2017-18 :- 80000 2018-19 :- 39000 2019-20 :- 70000 te	ROM (te) production figure is mentioned as per latest Modified Mining Plan (MMP) approved on 23.08.2019 and Annual Return submitted for 2019-20.
3q	General remarks of inspecting officers on method of mining etc.		Semi-mechanized Open Cast mining being carried out with Jack Hammer drilling & blasting.	

## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	yes	yes	

4b	Location of topsoil, OB and mineral reject dumps	South west- Top soil, North West -O B, Mineral Rejects:- Nil	However, it was observed during inspection that waste dumping being carried out in N-E side of lease area.	Violation issued in this respect
4c	Number of dumps within lease area and outside of lease area	within Lease :One for Top soil & waste/O.B; Outside Lease area = Nil	within Lease :One for Top soil & waste/O.B; Outside 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.	Top soil :- one O.B:- one	Top soil :- one O.B:- one	
4f	Number of dead dumps.	nil	nil	
4g	Number of dumps established.	-	-	
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposed	maintained	
4i	Length of Retaining wall or garland drain all along dumps	100 mts	About 100 mts	
4j	Number of settling ponds	one	one	
4k	Specific comments of inspecting officer on waste dump management		Waste dumping proposed to be carried out at earmarked place in N-W side of lease area near to BP-B. However, it was observed during inspection that waste dumping being carried out at non-earmarked area in N-E side of lease area. Violation is issued in this respect.	

---

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 part of the Lease Area has exhausted/ matured for backfilling.
5b	Area under backfilling of mined out area	-N.A-	-N.A-	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	-N.A-	-N.A-	
5d	Total area fully reclaimed and rehabilitated	-N.A-	-N.A-	
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).	To Be Submitted	Submitted	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	0.50	0.50	
6d	No. of saplings planted during the year	500 Nos.	about 500 Nos.	In safety zone and in gap area of earlier plantation
6e	Cumulative no .of plants	-	About 1600	In safety zone area
6f	Any other method of rehabilitation	nil	nil	
6g	Cost incurred on watch and care during the year	25000/-	About 25000/-	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	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	
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)	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 been exhausted from any part of the pit, hence backfilling/ reclamation and R&R works has not been envisaged.	

---

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM & grade wise sorting	ROM & grade wise sorting	



7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual For B .F Grade	Manual For B .F Grade
7c	Different grade of mineral sorted out at mines.	yes	yes
7d	Any beneficiation process at mines .	no	no
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Mineral being despatched after Manual sorting and sizing of ROM ore as per requirement.

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	yes	yes	
8b	Concurrent use or storage of topsoil	Top soil to be stacked and use for Plantation	Top soil being stacked and used for Plantation	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	To be used for Road Repair and Bunds making	Being used for Road Repair and Bunds making	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	-N.A-	-N.A-	

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-	About 1600 nos. of Plantation of Local species done
8g	Survival rate	-	65%
8h	Water sprinkling on roads to control airborne dust	Water tanker to be used for Sprinkling	Being used
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Aesthetic beauty in and around mines area is good

---

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR & AR Submitted being submitted; AR Submitted for FY 2019-20		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Geologist and Manager appointed	Geologist and Manager appointed	Mining Engineer reported Appointed on 1-06-2020
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	O/c mining:- 3.0 Ha Others-0.26 Ha.	O/c mining:- 3.0 Ha Others-0.26 Ha.	
9d	Scrutiny of Annual return on afforestation	500 No's Planted	500 No's Planted	
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	ROM stock- Nil; graded ore : Cement Grade:- 13677.340 B F Grade:- 5572.300	ROM stock- Nil; graded ore : Cement Grade:- 13677.340 B F Grade:- 5572.300
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cement Grade:- Rs 290.16 B F Grade:-Rs 371.17	Cement Grade:- Rs 290.16 B F Grade:-Rs 371.17
9h	Scrutiny of Annual return on fixed assets	Rs 40 Lakhs	Rs 40 Lakhs
9k	Scrutiny of Annual return on mining machineries	Excavator:- 1 Tipper:- 1 AIR COMPRESSOR :- 1	Excavator:- 1 Tipper:- 1 AIR COMPRESSOR :- 1

---

**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)	13-NOV-20			
MCDR17	Rule 11(3)	13-NOV-20			
MCDR17	Rule 11(4)	13-NOV-20			

**Date :**

**(PREM PRAKASH)**

Indian Bureau of Mines