

**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 : **P02** ) **PREM PRAKASH**  
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : S/SHRI. R.M.JUMANAL, MANAGING PARTNER & N.BHIXWATI, M  
Official with  
Designation
- (iv) Date of Inspection : 26-MAY-22
- (v) Prev.inspection date : 15-OCT-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	:	MP review under 17(1) MCR 2016	08-FEB-21

## 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 2021-22	Nil	As mentioned in approved RMP, the entire Lease area is covered under Geological axis 1 or 2.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	NA	NA	-
1e	Balance reserve as on 01/04/20	As on 07.12.2020	111-3648785 te	As per RMP approved on 08.02.2021
1f	General remarks of inspecting officers on geology, exploration etc	-	-	No exploration proposal was given for the year 2021-22. As mentioned in approved RMP, 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 between X-sections B-B' to D-D'	Pit working/excavation observed carried out in the same area as proposed	-
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	1:0.016	1:0.15	Te:Te

2d	Quantity of topsoil generation in m3	12330 Tons	13500 Tons	As reported during inspection,
2e	Quantity of overburden generation in m3	2041 te in 2021-22	11500 te	As reported during inspection, Annual Return of FY 2021-22 is not Submitted up to the date of inspection
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	Pit working/excavation observed carried out in the same area as proposed in RMP.

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	-
3b	Quantity of ROM mineral production proposed	124987 Mt	73400 Mt	-
3c	Recovery of sailable/usable mineral from ROM production	98%	100%	-
3d	Quantity of mineral reject generation	-	-	-
3e	Grade of mineral rejects generation and threshold value declared.	-	-	-
3f	Quantity of sub grade mineral generation.	-	-	-
3g	Grade of sub grade mineral generation	-	-	-
3h	Manual / Mechanised method adopted for segregating from ROM	-	-	-

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	-	-	-
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 Slurry Explosive	-
3k	Provision of mining machineries in mineral benches	Hydraulic Excavator and Tipper Proposed	Hydraulic Excavator and Tipper	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	5 Mts height of benches	Pit benches are maintained as proposed	-
3m	Total area covered under excavation/pits	5.00 ha. up to 2025-26	About 4 ha up to 2021-22	-
3n	Ore to OB ratio for the pit/mine during the year.	1:0.016	1:0.15	Te:Te
3o	Total area put in use under different heads at the end of year	8.1 ha. up to 2025-26	About 4.5 ha up to 2021-22	-
3p	Production of ROM mineral during the last five year period as applicable	ROM (te): 2017-18 : 99948 2018-19 : 124798 2019-20 : 124987 2020-21 : 124864 2021-22 : 124987	ROM (te): 2017-18 : 80000 2018-19 : 39000 2019-20 : 70000 2020-21 : 70000 2021-22 : 73400	ROM (te) production figure is mentioned as per Modified Mining Plan (MMP) approved on 23.08.2019 and RMP approved on 08.02.2021 & Monthly Returns submitted for FY 2021-22
3q	General remarks of inspecting officers on method of mining etc.	-	-	Semi-mechanized Open Cast mining being carried out with Jack Hammer drilling & blasting.

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	South west Top Soil North West O.B	-	-
4b	Location of topsoil, OB and mineral reject dumps	Top Soil: Northing: 1789419 to 1789453 Easting: 537042 to 537101  Waste/O.B.: Proposed in N-W side of lease area near to BP-B	Top Soil: Stacked in the same area as proposed.  However, it was observed during inspection that waste dumping has been carried out in scattered and unsystematic manner covering more area than proposed.	Violation issued in this respect
4c	Number of dumps within lease area and outside of lease area	within Lease :One for Top soil & One for waste/O.B; Outside Lease area = Nil	within Lease :One for Top soil & One for 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 -1 O.B - 1	Top Soil -1 O.B - 1	-
4f	Number of dead dumps.	-	-	-
4g	Number of dumps established.	-	-	-
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposed	not observed constructed	Violation issued in this respect
4i	Length of Retaining wall or garland drain all along dumps	Garland drain- 130m Retaining wall- 130m	not observed constructed	Violation issued in this respect
4j	Number of settling ponds	ONE	NIL	Violation issued in this respect

4k	Specific comments of inspecting officer on waste dump management	-	-	Waste dumping approved to be carried out in systematic manner at earmarked place in N-W side of lease area near to BP-B. However, it was observed during inspection that waste dumping has been carried out in scattered and unsystematic manner covering more area than proposed. Hence, Violation is issued in this respect.
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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.	-N.A-	-N.A-	No any part of the Lease Area has got 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 area, hence backfilling/ reclamation has not envisaged.

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## 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 by 30 Jun of Proceeding Year	Will be Submitted for the Year 2021-22	-
6b	Area available for rehabilitation (ha) .	NA	NA	-
6c	afforestation done (ha).	NA	NA	-
6d	No. of saplings planted during the year	NA	NA	-
6e	Cumulative no .of plants	NA	NA	-
6f	Any other method of rehabilitation	NA	NA	-
6g	Cost incurred on watch and care during the year	NA	NA	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	NA	NA	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	NA	NA	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA	-

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	NA	-
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	450 Nos.	500 Nos.	In 7.5 m safety zone and in gap area of earlier plantation
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.50 ha	0.5 ha.	-
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Plantation	Plantation	-
6p	Compliance of environmental monitoring (core zone and buffer zone)	Monitoring to be carried out on regular basis	Monitoring being carried out on regular basis; All environmental parameters were within the permissible limit	-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	Mineral has not exhausted from any part of the pit, hence backfilling/ reclamation and PMCP by R&R has not been envisaged. Only, plantation being carried out at periphery of the mine in safety zone of 7.5 m.

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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 sorting	ROM & or 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 or directly ROM ore as per requirement.

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Stacking and Utilizing for Plantation.	Stacking and Utilizing for Plantation.	-
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)	Separate dump for overburden/waste	Separate dump for overburden/waste maintained	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	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 2000 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	Water tanker being used for water Sprinkling	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	Aesthetic beauty in and around mines area is good

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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 = April 2022 AR Submitted up to = 2020-21	Annual Return of FY 2021-22 is not Submitted up to the date of inspection. Due date of submission is by 30 Jun of Proceeding Year	-

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**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)	03-JUN-22			

**Date :****(PREM PRAKASH)**

Indian Bureau of Mines