

**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 : **SP01**) **SURESH PRASAD**
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 : 05-MAR-20
- (v) Prev.inspection date : 11-MAR-19

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 : P.O.-LOKAPUR,
correspondance : 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	G1 or G2	G1	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Not applicable	Exploration work completed upto G1 level
1e	Balance reserve as on 01/04/20		As on 1.4.2019 Under (111) -32,47,260Te	
1f	General remarks of inspecting officers on geology, exploration etc		Lease area is covered under G1 level of exploration.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	The intercalated waste as generated being treated as OB/waste.	The intercalated waste as generated being treated as OB/waste.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Nil	Nil	Topsoil thickness is around 0.5 to 1m
2c	Stripping ratio or ore to OB ratio	1:0.016	1:0.016	The generated top soil has preserved in southern side of the lease and part of the part of the top soil used for plantation.

2d	Quantity of topsoil generation in m3	5166	18050	The generated top soil has preserved in southern side of the lease and part of the part of the top soil used for plantation.
2e	Quantity of overburden generation in m3	2038	637	Intercalated waste
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		The intercalated waste as generated being treated as OB/waste.	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1 Pit	1 Pit	
3b	Quantity of ROM mineral production proposed	124798 Te	39000Te	Less achieved due to poor market demand.
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	THV- 35%CaO,
3f	Quantity of sub grade mineral generation.	NIL	NIL	
3g	Grade of sub grade mineral generation	NIL	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA	ROM segregating by deploying small capacity excavator.

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	Provided	Provided	JH Hole with Electronic detonator
3k	Provision of mining machineries in mineral benches	Provided	Provided	small capacity excavator and tippers.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	4-5m	Observed deviation	Violation issued.
3m	Total area covered under excavation/pits	As per the approved MMP (dtd 23.08.2019) :- 2.44 Ha.	As per the approved MMP (dtd 23.08.2019) :- 2.44 Ha.	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.016	1:0.016	
3o	Total area put in use under different heads at the end of year	3.02 Ha.	3.02 Ha.	As per the approved MMP (dtd 23.08.2019)
3p	Production of ROM mineral during the last five year period as applicable	In Tonnes 2016-17- 49965 2017-18- 99948 2018-19- 124798 2019-20- 124987	In tonnes 2016-17- 19052 2017-18- 80000 2018-19- 39000 2019-20- 55000 (till Feb2020)	Figures, as per the approved MMP (dtd 23.08.2019)
3q	General remarks of inspecting officers on method of mining etc.		The benches were not maintained properly in systematic manner as proposed.	Violation issued.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Top Soil stacked at earmarked place. No Mineral Rejects proposed.	Top Soil stacked at earmarked place. No Mineral Rejects were generated.	
4b	Location of topsoil, OB and mineral reject dumps	Top soil N1789480 to1789540 E537150 to 537208	As per proposed location	OB generation is very less.
4c	Number of dumps within lease area and outside of lease area	Lease area = 01 Non Lease area = Nil	Lease area = NIL Non Lease area = Nil	Top soil stacks available
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not applicable	Not applicable	
4e	Number of active and alive dumps.	01	01	01 Top soil stack/dump
4f	Number of dead dumps.	NIL	NIL	
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposed	Provided	OB dump not formed however protective measures observed on top soil stack/dump.
4k	Specific comments of inspecting officer on waste dump management		Waste generation is very less; hence no waste dump was formed. The wastes are generated in the form of intercalated waste and are used for road maintenance etc. purposes.	

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.	Nil	Area not matured for backfilling.	Mines has newly Grant without auction route with MDPa documents and started wef 13.3.2017.

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.		As the Mines has newly Grant without auction route with MDPA documents and started wef 13.3.2017.Thus, mined out area not matured for backfilling and for R&R.

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).	Proposed	complied	Submitted for the year 2018-19.
6b	Area available for rehabilitation (ha) .	NIL	NIL	As the Mines has newly Grant without auction route with MDPA documents and started wef 13.3.2017.Thus, mined out area not matured for backfilling and for R&R.
6c	afforestation done (ha).	800nos.	800nos.	800nos. of planation done for green belt developement
6e	Cumulative no .of plants	Cumulative plantation 3150 nos.	Cumulative plantations 3710nos	. As per approved MMP
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	NOT applicable
6p	Compliance of environmental monitoring (core zone and buffer zone)	YES	YES
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		As the Mines has newly Granted without auction route with MDPA documents signed and started wef 13.3.2017.Thus, mined out area not matured for backfilling and for R&R.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral dispatch	ROM mineral dispatch	With sorting by small capacity excavator
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not applicable	Not applicable	
7c	Different grade of mineral sorted out at mines.	Cement & BF Grade	Cement & BF Grade	
7d	Any beneficiation process at mines	Not applicable	Not applicable	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		No beneficiation process. ROM mineral dispatch.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposal made for separate removal and utilization for green belt development.	Yes	
8b	Concurrent use or storage of topsoil	Stacked at earmarked place & partly utilized for green belt dev.	Stacked at earmarked place & partly utilized for green belt dev.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NIL	NIL	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not applicable	Not applicable	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not applicable	Not applicable	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	800nos	800nos.	during the year and cummulative 3710nos.
8h	Water sprinkling on roads to control airborne dust	Proposed	PROVIDED	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		satisfactory	

 Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR Submitted up to = Jan 2020 AR Submitted up to = FY 2018-19	MR Submitted up to = Jan 2020 AR Submitted up to = FY 2018-19	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Furnished	Observed that the Statutory appointment are not being made under this rule	Violation issued.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	O/c working 1.22 ha	O/c working 1.22 ha Others 02.ha	
9d	Scrutiny of Annual return on afforestation	800 nos.	800nos.	Observed in field
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 Nil BF grade 5552.86te Cement grade 21400.190te	ROM Nil BF grade 5552.86te Cement grade 21400.190te	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex mine BF Grade price:- 402.14 Rs/te Cement Grade- 313.60Rs/te Cost of production:- 300.25 Rs/Te	Ex mine BF Grade price:- 402.14 Rs/te Cement Grade-313.60Rs/te Cost of production:- 300.25 Rs/Te	Sample invoice checked and found in order.
9h	Scrutiny of Annual return on fixed assets	Net closing value 4,000,000 Rs.	Net closing value 4,000,000 Rs.	
9k	Scrutiny of Annual return on mining machineries	Furnished	Shovel 01 no. Tipper 01 no Air compressor 01	

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)	23-MAR-20			
MCDR17	Rule 55(1)(3)	23-MAR-20			

Date :

(SURESH PRASAD)

Indian Bureau of Mines