

**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 : **SP01**) **SURESH PRASAD**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Shri. A.B.Anagal, Mine Owner
Official with
Designation
- (iv) Date of Inspection : 12/07/2018
- (v) Prev.inspection date : 08/01/2018

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 | Nil | Nil | 7 DTH boreholes has been achieved in the year 2016-17. |
| 1b | Exploration over lease area for geological axis 1 or 2 | Not proposed | nil | G1 axis achieved. |
| 1c | Exploration Agencies and Expenditure in lakh rupees during the year | nil | nil | |
| 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 1/4/2018- Reserve :- 409992 tons (limestone) | As on 1/4/2018- Reserve :-626492 tons (limestone) | |
| 1f | General remarks of inspecting officers on geology, exploration etc | | | Form K also submitted. |

Development :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|--|---|---|---|
| 2a | Location of development w.r.t.lease area | Proposed in the section line between AA' and BB' | yes | advice to maintain the faces as approved. |
| 2b | Separate benches in topsoil, overburden and minerals (Rule 15) | No top soil proposed. benches of Minerals were formed | No top soil achieved. Menarls benches along with intercalated waste observed. | Advice to maintain the benches as per the proposal. |
| 2c | Stripping ratio or ore to OB ratio | Proposal 1:0.05 | 1:0.07 | Intercalated waste varies in the in locations. |
| 2d | Quantity of topsoil generation in m3 | No proposal | Nil | |

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|----|---|-------|----------|--|
| 2e | Quantity of overburden generation in m3 | 5263T | 4316Tons | |
| 2f | General remarks of inspecting officers on development of pit w.r.t. type of deposit etc | | | Observed that intercalated waste and simulteneously dolomite present in the pit. |

Exploitation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|--|-----------------------------------|---------|
| 3a | Number of pit proposed for production | one | one | |
| 3b | Quantity of ROM mineral production proposed | 100000Tons limestone and 10000Tons dolomite. | 83000Tons Limestone Dolomite- Nil | |
| 3c | Recovery of sailable/usable mineral from ROM production | 95% | 94.8% | |
| 3d | Quantity of mineral reject generation | No proposal | Nil | |
| 3e | Grade of mineral rejects generation and threshold value declared. | No Mineral rejects proposed | No Mineral rejects achieved. | |
| 3f | Quantity of sub grade mineral generation. | No proposal | nil | |
| 3g | Grade of sub grade mineral generation | Not proposed | nil | |
| 3h | Manual / Mechanised method adopted for segregating from ROM | Semi mechanised method proposed | Yes | |
| 3i | Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects. | Not proposed | Nil | |

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|----|--|---|---|---|
| 3j | Provision of drilling and blasting in mineral benches | Yes | Yes | |
| 3k | Provision of mining machineries in mineral benches | Yes | Excavator 2 nos. tipper 3nos. | |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | Height 3m | observed benches are marginally in higher side in some places. | Already violation pointed out in the last inspection and effort observed towards the rectification. |
| 3m | Total area covered under excavation/pits | 2.9Ha | 2.916Ha | |
| 3n | Ore to OB ratio for the pit/mine during the year. | 1:0.05 | 1:0.05 | |
| 3o | Total area put in use under different heads at the end of year | | Opencast working-2.916ha Used for waste disposal-0.322Ha Plants,building etc-0.327Ha Green bel 0.518Ha | As per the AR 2017-18 |
| 3p | Production of ROM mineral during the last five year period as applicable | Limestone:- 2014-15-100000T 2015-16-100000T 2016-17-100000T 2017-18-100000T | Limestone:- 2014-15-19500T 2015-16-81500T 2016-17- 80000T 2017-18- 83000T | |
| 3q | General remarks of inspecting officers on method of mining etc. | | | Bench formation to be maintained as per the proposal for systematic mining. |

Solid Waste Management - Dumping:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|---------------------------------|--|---------|
| 4a | Separate dumping of topsoil, OB and mineral rejects (Rule 32,33) | No proposal for top soil and MR | top soil and MR not achieved.Intercalated waste handling as proposed | |

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|----|--|--|---------------------------|-----------------------------|
| 4b | Location of topsoil, OB and mineral reject dumps | OB dump proposed on Western side of lease area | as propopsed above | |
| 4c | Number of dumps within lease area and outside of lease area | one dump within | One | |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16) | Within UPL | within | |
| 4e | Number of active and alive dumps. | one | one | |
| 4f | Number of dead dumps. | Nil | Nil | |
| 4g | Number of dumps established. | Nil | Nil | |
| 4h | Whether Retaining wall or garland drain all along dumps are there. | Yes | Yes | ask to maintained the same. |
| 4i | Length of Retaining wall or garland drain all along dumps | Toe wall-185m & garland drain- 260m | Maintaining the existing. | |
| 4j | Number of settling ponds | No proposal | Nil | |
| 4k | Specific comments of inspecting officer on waste dump management | | | |

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 | nil | |
| 5b | Area under backfilling of mined out area | nil | nil | |

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|----|---|-----|-----|---|
| 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. | | | No backfilling and Reclamation proposed/achieved. |

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). | Before 30th July | Not submitted for the year 2017-18 | violation pointed out. |
| 6b | Area available for rehabilitation (ha) . | Nil | nil | |
| 6c | afforestation done (ha). | 0.05ha | 0.05ha | |
| 6d | No. of saplings planted during the year | 50nos | 50nos. | |
| 6e | Cumulative no .of plants | 500nos. | 500nos. | |
| 6f | Any other method of rehabilitation | No | nil | |
| 6g | Cost incurred on watch and care during the year | Rs 5000/- | yes | |
| 6h | Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D | no proposal | nil | |

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|----|---|-----|------------------------|-----------------------|
| 6i | Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings | nil | nil | |
| 6p | Compliance of environmental monitoring (core zone and buffer zone) | | Done by private agency | |
| 6q | General remarks of inspecting officers on PMCP compliance and progressive closure operations etc. | | | No proposal for R&R . |

Mineral Conservation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|-----------------------------|---|---------|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | ROM | 80000T limestone | |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical. | Manual | Manual | |
| 7c | Different grade of mineral sorted out at mines. | Aprox CaO 47% for limestone | Aprox CaO 47% | |
| 7d | Any beneficiation process at mines | Manual sorting and sizing | Manual sorting and sizing is being carried out. | |
| 7e | General remarks of inspecting officer on Mineral conservation and beneficiation issues | | Blending with high grade ore to meet the buyers specifications. | |

Environment:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|------|-----------|-------------|---------|
|--------|------|-----------|-------------|---------|

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|----|---|---|---|---|
| 8a | Separate removal and utilization of topsoil (Rule 32) | No top soil proposed in the AY. | Nil | |
| 8b | Concurrent use or storage of topsoil | Nil | Nil | |
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 33) | One OB dump on westernside | as proposed | |
| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | There is no proposal for restoring of such. | 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) | 50saplings/Year | 50saplings/Year. No additional planation. | |
| 8g | Survival rate | 80% | 60% | |
| 8h | Water sprinkling on roads to control airborne dust | Yes | Yes | |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area | | | Plantation area developed near the mine office. |

Compliance of Rule 45:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|------|-----------|-------------|---------|
|--------|------|-----------|-------------|---------|

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|----|---|--------------------------------|--|--|
| 9a | Status of submission of Monthly and Annual returns | | Submitted AR &MR | |
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | | Form H for appointment of Manager submitted on 27.202018.Further, Violation issued under rule 55(1) (c) (i) of MCDR, 2017. | Violation issued under rule 55(1) (c) (i) of MCDR, 2017. |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | furnished | furnished | |
| 9d | Scrutiny of Annual return on afforestation | 50 plants | Nil | |
| 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 | Grade-wise ore stock furnished | BF grade-Opening Stock-16850.045T Closing stock - 51377.560 T | |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price and production cost | | Sale value furnished. Ex Mine Price-330.69 Rs/T Production cost-260Rs/T | |
| 9h | Scrutiny of Annual return on fixed assets | | Furnished | |
| 9k | Scrutiny of Annual return on mining machineries | | Furnished | |

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) | 27/07/2018 | | | |
| MCDR17 | Rule 26(2) | 27/07/2018 | | | |
| MCDR17 | Rule 55(1)(3) | 27/07/2018 | | | |

Date :

(SURESH PRASAD)

Indian Bureau of Mines