

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

MCDR inspection REPORT

Goa regional office

Mine file No : KNT/BJP/LST-67/GOA

Mine code : 38KAR26049

- (i) Name of the Inspecting : P01) PREM PRAKASH
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : SHRI. A.G.HUGAR, LESSEE'S REPRESENTATIVE
Official with
Designation
- (iv) Date of Inspection : 15-OCT-20
- (v) Prev.inspection date : 01-AUG-19

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : NAGANPUR(ML2400)
- (b) **Registration NO.** : IBM/6703/2011
- (c) **Category** : A Other than Fully Mech.
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : KARNATAKA
- District : BAGALKOT
- Village : NAGANPUR
- Taluka : MUDHOL
- Post office :
- Pin Code :
- FAX No. : 08350-240158
- E-mail : praveenhugar82@gmail.com
- Phone : 08350-340087, 9980730797(M
- (f) **Police Station** : Lokapur
- (g) **First opening date** : 11-JUN-03
- (h) **Weekly day of rest** : TUE
2. **Address for correspondance** : M/s Shri Annadanesh Mines, Near Jaineswar Math
Po-Lokapur-587122
Tq-Mudhol, Dist-Bagalkot
3. (a) **Lease Number** : KAR1358
- (b) **Lease area** : 3.12
- (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 : GURUNATH B. HUGAR
 NEAR JAINESWAR MATH P.O.
 LOKAOUR TALUKA-MUDHOL
 BAGALKOT KARNATAKA
 Phone:
 FAX :

Owner : GURUNATH B.HUGAR
 SHRI ANNADANESH MINES NEAR
 JAINESWAR MATH PO-LOKAPUR,
 TQ-MUDHOL BAGALKOT
 KARNATAKA
 Phone: 08350-240087
 FAX :

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

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 | 02 BHs are proposed during the plan period up to FY2022-23 | Nil | |
| 1c | Exploration Agencies and Expenditure in lakh rupees during the year | - | Nil | |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2 | 0.498 Ha. during the plan period up to FY2022-23 | Yet to be Drilled/explored | |
| 1e | Balance reserve as on 01/04/20 | | 111-93077 te 211-466543 te 333-494504 te | As per Annual Return submitted for FY 2019-20 |
| 1f | General remarks of inspecting officers on geology, exploration etc | | 02 BHs are proposed in 0.498 Ha. area to bring Geological axis 1 during the plan period up to FY2022-23. Rest Lease area is covered under Geological axis 1 exploration. | |

Development :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|--|---|---|-----------------------------------|
| 2a | Location of development w.r.t.lease area | Pit working/excavation approved to be carried out in year 2019-20 & 2020-21 in the S-W side top benches of Pit and in N-E part of Lease area (in-situ area) | However, Pit working/excavation observed lagging far behind than approved in the N-E part of Lease area (in-situ area);and working/excavation being carried out in the bottom benches of the Pit. | Violation issued in this respect. |

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| 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 | 1:0.23 | 1:0.05 | Te : Te |
| 2d | Quantity of topsoil generation in m3 | No proposal | Nil | |
| 2e | Quantity of overburden generation in m3 | 14223 te | 280 te | |
| 2f | General remarks of inspecting officers on development of pit w.r.t. type of deposit etc | | Pit working/excavation observed lagging far behind than approved in the N-E part of Lease area. Violation issued in this respect. | |

Exploitation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|-------------|-------------|---------|
| 3a | Number of pit proposed for production | One pit | One pit | |
| 3b | Quantity of ROM mineral production proposed | 60000 Te | 5500 Te | |
| 3d | Quantity of mineral reject generation | No proposal | Nil | |
| 3f | Quantity of sub grade mineral generation. | No proposal | Nil | |
| 3h | Manual / Mechanised method adopted for segregating from ROM | Manual | Manual | |
| 3i | Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects. | None | None | |

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| 3j | Provision of drilling and blasting in mineral benches | Jack Hammer drilling & blasting | Jack Hammer drilling & blasting | |
| 3k | Provision of mining machineries in mineral benches | Excavator and Tippers | Excavator and Tippers | |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | Yes | Yes | |
| 3m | Total area covered under excavation/pits | O/C- 2.135 ha., for five years plan period up to FY 2022-23 | O /C - about 1.680 ha. , Up to FY 2019-20 | |
| 3n | Ore to OB ratio for the pit/mine during the year. | 1:0.23 | 1:0.05 | |
| 3o | Total area put in use under different heads at the end of year | O/C- 2.135, Dump-0.20 Road - 0.020 for five years plan period up to FY 2022-23 | O /C - 1.680 , waste disposal-0.10 Roads -0.869 approx. Up to FY 2019-20 | (In Ha.) |
| 3p | Production of ROM mineral during the last five year period as applicable | 2015-16 : 47655 MT 2016-17 :- 49302 MT 2017-18 :- 49943 MT 2018-19 :- 30000 MT 2019-20 : - 60,000 MT | 2015-16 : 30,000 MT 2016-17 :- 29,770 MT 2017-18 :- 28,000 MT 2018-19 :- Nil 2019-20 : - 5,500 MT | ROM (te) production figure is mentioned as per last approved Modified Mining Plan (MMP) and Annual Returns submitted for FY 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 |
|--------|------|-----------|-------------|---------|
|--------|------|-----------|-------------|---------|

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|----|--|--|--|----------------------|
| 4a | Separate dumping of topsoil, OB and mineral rejects (Rule 32,33) | Yes | Yes | |
| 4b | Location of topsoil, OB and mineral reject dumps | O.B. :- Northing:1788971 to17889002 Easting:- 537737 to 537769 & Northing:- 1788861 to 1788970 Easting :- 537660 to 537686 | Small waste stack/dump in the same area | |
| 4c | Number of dumps within lease area and outside of lease area | Inside Lease area = 01 Non Lease area = Nil | Inside Lease area = 01 Non Lease area = Nil | One Small stack/dump |
| 4e | Number of active and alive dumps. | 01 | 01 | |
| 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. | Nil | Nil | |
| 4i | Length of Retaining wall or garland drain all along dumps | Nil | Nil | |
| 4j | Number of settling ponds | Nil | Nil | |
| 4k | Specific comments of inspecting officer on waste dump management | | One Small waste stack/dump is made within the ML area. | |

Solid Waste Management - Backfilling:

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

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|----|---|---|-----|---|
| 5a | Status of part or full extraction of mineral from mined out area before starting backfilling. | No back filling proposal | Nil | No any part of the Lease Area has got exhausted/ matured for backfilling. |
| 5b | Area under backfilling of mined out area | No any part of the Lease Area has got exhausted/ matured for backfilling. | 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. | | | Mineral has not been exhausted from any part of the lease area, hence backfilling/ reclamation has not envisaged. However, Restoration of Safety zone as proposed has not been undertaken. Violation issued in this respect |

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 30.6.2020 | Not Submitted | Violation issued in this respect. |
| 6b | Area available for rehabilitation (ha) . | 0.1 ha. | 0.1 ha. | In safety zone |
| 6c | afforestation done (ha). | 0.1 ha. | 0.1 ha. | |
| 6d | No. of saplings planted during the year | 100 | about 100 | In safety zone and in gap area of earlier plantation |

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|----|--|-----------------------------|---|
| 6f | Any other method of rehabilitation | Nil | Nil |
| 6g | Cost incurred on watch and care during the year | Rs. 5000/- | Rs. 6000/- |
| 6h | Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D | Nil | Nil |
| 6j | Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area | Nil | Nil |
| 6k | Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir | 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 exhausted from any part of the pit, hence backfilling/ reclamation and R&R activities has not been envisaged. |

Mineral Conservation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|--------------------------------------|---|---------|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | grade wise sorting within lease area | grade wise sorting within lease area | |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical. | manual | manual | |
| 7c | Different grade of mineral sorted out at mines. | +35% Cao to - 45% CaO | +35% Cao to -45% CaO | |
| 7d | Any beneficiation process at mines | None | None | |
| 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 | Nil | Nil | |
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 33) | Temporary storage of OB/waste | Temporarily stored at earmarked area | |
| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | OB/waste to be used formation of Bunds & Stored | Temporarily stored at earmarked area | |

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|----|---|------------------------------------|--|
| 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) | 100 nos. in 2019-20 | About 100 No's |
| 8g | Survival rate | - | 75% |
| 8h | Water sprinkling on roads to control airborne dust | Water Sprinkling to be carried out | Water tanker being used for sprinkling for suppress the dust |
| 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 Submitted up to = SEPT-2020 AR Submitted up to = 2019-20 | |
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | Geologist - 1 M. Manager -1 | Geologist - 1 M. Manager -1 | Mining engineer has not been employed in the mine. Violation issued in this respect. |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | O /C - 1.680 , waste disposal-0.10 Roads -0.869 | O /C - 1.680 , waste disposal-0.10 Roads -0.869 | In Ha |
| 9d | Scrutiny of Annual return on afforestation | 100 nos. | 100 nos. | |

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|----|---|--|--|-----------|
| 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, B.F Grade= 111.590 te, Cement Grade - 11619.927 te | ROM stock=Nil, B.F Grade= 111.590 te, Cement Grade - 11619.927 te | |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price and production cost | Ex mine : B.F. grade= 513.85 Cement grade= 289.42 Production cost 265.00 | Ex mine : B.F. grade= 513.85 Cement grade= 289.42 Production cost 265.00 | In Rs./te |
| 9h | Scrutiny of Annual return on fixed assets | Rs. 2,50,000/ | Rs. 2,50,000/ | |
| 9k | Scrutiny of Annual return on mining machineries | Excavator 1 Tipper -2 A.Compr. - 1 | - Excavator -1 Tipper -2 A.Compr. - 1 | |

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) | 13-NOV-20 | | | |
| MCDR17 | Rule 26(2) | 13-NOV-20 | | | |
| MCDR17 | Rule 35(2) | 13-NOV-20 | | | |
| MCDR17 | Rule 45(7)(a) | 13-NOV-20 | | | |
| MCDR17 | Rule 55(1)(3) | 13-NOV-20 | | | |

Date :

(PREM PRAKASH)

Indian Bureau of Mines