

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

**Mining Plan Modification REPORT**

**Goa regional office**

**Mine file No :** KNT/BJP/LST-66/GOA

**Mine code :** 38KAR26048

- (i) Name of the Inspecting : **K02** ) **KALMATA M.K.**  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : SHRI. G. HARENDRA, TQP.  
Official with  
Designation
- (iv) Date of Inspection : 16-MAR-18
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **NAGANPUR ( ML 2401 )**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : KARNATAKA
- District : BAGALKOT
- Village : NAGANAPUR
- Taluka : MUDHOL
- Post office : LOKAPUR
- Pin Code : 589122
- FAX No. :
- E-mail : nagaraj.minerals.2401@gmai.
- Phone : 08350-240301 (R) 240581 (O), !
- (f) Police Station : Lokapur
- (g) First opening date : 11-JUN-03
- (h) Weekly day of rest : TUE
2. Address for : Shri V.R.Patil, Owner, M/s Naveen Minerals  
correspondance At-Naganapur, Po-Lokapur-587122  
Tq-Mudhol, Dist-Bagalkot
3. (a) Lease Number : KAR1359
- (b) Lease area : 2.57
- (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 : VITTAL RAMCHANDRA GOUD PATIL  
P.O. LOKAPUR MUDHOL TALUKA  
BAGALKOT KARNATAKA  
Phone:  
FAX :

Owner : V.R.PATIL  
AT-NAGANAPUR PO-LOKAPUR TQ-  
MUDHOL BAGALKOT KARNATAKA  
Phone: 08350-240301(R)  
FAX :

## Mining Engineer

Name : GIRISH BASAVANNEPPA BALLARI, Full Time  
Qualification : B.Tech. Mining  
Appointment/ : 07-JUN-13  
Termination date

|                               |   |                                |           |
|-------------------------------|---|--------------------------------|-----------|
| 6. Date of approval of Mining | : | Fresh under rule 22 MCR1960    | 26-MAR-03 |
| Plan/Scheme of Mining         | : | Modif.of approved Mining Plan  | 19-SEP-05 |
|                               | : | Mining Scheme rule 12 MCDR1988 | 17-MAR-10 |
|                               | : | Mining Scheme rule 12 MCDR1988 | 08-AUG-13 |

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

## Exploration :

| Sl.No. | Item  | Proposals  | Actual work   | Remarks   |
|--------|---|--|---|---|
| 1a     | Backlog of previous year  | Nil  | Nil   | Seven boreholes were drilled in the year 2015-16. |
| 1b     | Exploration over lease area for geological axis 1 or 2              | Entire mineralized area was proposed to explore under G-1 level in the year 2013-14. | entire mineralized area is explored under G-1 level in the year 2015-16.  |   |
| 1c     | Exploration Agencies and Expenditure in lakh rupees during the year |  | Exploration is carried out by lessee under supervision of statutory person and drilling machine of M/s Sankalpana, Goa. |   |
| 1d     | Balance area to be explored to bring Geological axis in 1 or 2      | Nil  | Nil   |   |
| 1e     | Balance reserve as on 01/04/20                                      |  | Reserves limestone in tonnes<br>Reserves - 511247<br>Remaining resources- 535009  |   |
| 1f     | General remarks of inspecting officers on geology, exploration etc  |  | Entire area is explored under G-1 level.  |   |

## Development :

| Sl.No. | Item                                      | Proposals   | Actual work   | Remarks                                |
|--------|---|---|---|--|
| 2a     | Location of development w.r.t. lease area | In the approved document proposal was made in between the cross sections A-A' to C-C' to a depth upto 533 RL in the year 2017-18. | Working has been carried out in the cross sections, A-A' to C-C' and in some portion it appears working has been carried out in 7.5mtr safety zone also and depth wise working was done upto 539 RL only. | Violation is pointed out for the same. |

|    |   |                                    |  |  |
|----|---|------------------------------------|--|--|
| 2b | Separate benches in topsoil, overburden and minerals (Rule 15)                          | Benches were proposed in ore only. | Benches were formed in ore only.   |  |
| 2c | Stripping ratio or ore to OB ratio  | 1:1.08                             | 1:0.044  |  |
| 2d | Quantity of topsoil generation in m3  | 331                                | Nil  | working has been carried out in the broken up area only. |
| 2e | Quantity of overburden generation in m3   | 1773                               | 178  |  |
| 2f | General remarks of inspecting officers on development of pit w.r.t. type of deposit etc |                                    | Working has been not carried out as per the proposal. Due to non availability of EC proposed production and development was not carried out as per the proposal and negative deviation was observed and violation is pointed out for the same. |  |

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**Exploitation:**

| Sl.No. | Item  | Proposals                      | Actual work | Remarks   |
|--------|---|--------------------------------|-------------|---|
| 3a     | Number of pit proposed for production                             | One                            | one         |   |
| 3b     | Quantity of ROM mineral production proposed                       | 22055 tons limestone (2017-18) | 8000 tons   | Less production is due to non availability of EC. |
| 3c     | Recovery of sailable/usable mineral from ROM production           | 90%                            | 95%         |   |
| 3d     | Quantity of mineral reject generation                             | Nil                            | Nil         |   |
| 3e     | Grade of mineral rejects generation and threshold value declared. | NA                             | NA          |   |
| 3f     | Quantity of sub grade mineral generation.                         | Nil                            | Nil         |   |

|    |  |  |   |  |
|----|--|--|---|--|
| 3g | Grade of sub grade mineral generation  | NA   | NA  |  |
| 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.      | Nil  | Nil   |  |
| 3j | Provision of drilling and blasting in mineral benches  | Yes  | yes   |  |
| 3k | Provision of mining machineries in mineral benches   | Nil  | Nil   |  |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | 3mtr benches were proposed.  | Benches were not maintained as per the proposal.  | Violation is pointed out for the same. |
| 3m | Total area covered under excavation/pits   | 1.6ha  | 1.6 ha  | Most of the area is broken up.         |
| 3n | Ore to OB ratio for the pit/mine during the year.  | 1:0.08   | 1:0.044   |  |
| 3o | Total area put in use under different heads at the end of year                                       |  | Area under mining- 1.62ha, safety zone- 0.503ha and roads- 0.02ha,  |  |
| 3p | Production of ROM mineral during the last five year period as applicable                             | Limestone<br>2017-18<br>22055 tons<br>2016-17<br>24940 tons<br>2015-16<br>24052 tons<br>2014-15<br>24945 tons<br>2013-14<br>24999 tons | 2017-18<br>8000 tons<br>2016-17<br>8000 tons<br>2015-16<br>8000 tons<br>2014-15<br>8000 tons<br>2013-14<br>6200 tons. |  |

3q General remarks of inspecting officers on method of mining etc. The working has been not carried out as per the proposal and benches were not maintained properly and violation is pointed out for the same.

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Solid Waste Management - Dumping:

| Sl.No. | Item   | Proposals   | Actual work   | Remarks  |
|--------|--|---|---|--|
| 4a     | Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)   | No topsoil and mineral reject was proposed.   | No Topsoil and mineral reject were generated and OB was utilized for making bund and maintenance of road. |  |
| 4b     | Location of topsoil, OB and mineral reject dumps                   | It was proposed to dump waste near BP-2 and BP-5 and no topsoil and mineral reject dumps were proposed. | Dumping of waste was not made as per the proposal.  | Violation is pointed out for the same.   |
| 4c     | Number of dumps within lease area and outside of lease area        | One   | Nil   | waste generated utilized for maintenance of road and making bund in the 7.5 mtr safety zone. |
| 4d     | Location of dumps w.r.t. ultimate pit limit (Rule 16)              | With in UPL   | No dump is made.  | waste generated utilized for maintenance of road and making bund in the 7.5 mtr safety zone. |
| 4e     | Number of active and alive dumps.                                  | One   | Nil   | waste generated utilized for maintenance of road and making bund in the 7.5 mtr safety zone. |
| 4f     | Number of dead dumps.  | Nil   | Nil   |  |
| 4g     | Number of dumps established.                                       | One   | Nil   |  |
| 4h     | Whether Retaining wall or garland drain all along dumps are there. | yes   | Since no dump was formed retaining wall is not constructed.   |  |

|    |  |     |  |
|----|--|-----|--|
| 4i | Length of Retaining wall or garland drain all along dumps        |     | Nil  |
| 4j | Number of settling ponds   | Nil | Nil  |
| 4k | Specific comments of inspecting officer on waste dump management |     | Generation of OB was less than the proposal due to less production and dumping was not made as per the proposal. waste generated was utilized for formation of bund along the 7.5 mtr safety zone and maintenance of road. |

#### 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 backfilling is proposed in the present plan period. | Working has been not carried out upto the proved depth so no backfilling is proposed in the present plan period.     |         |
| 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.                    |  | The working has been not carriedout upto the proved depth. So no backfilling is proposed in the present plan period. |         |

#### 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 1st July of every year | Yearly report on PMCP was not submitted for the year 2016-17. | violation is pointed out for the same. |
| 6b | Area available for rehabilitation (ha) .   | Nil                           | Nil   |  |
| 6c | afforestation done (ha).   | 0.1                           | No plantation was made in the year 2016-17                    | violation is pointed out for the same. |
| 6d | No. of saplings planted during the year  | 103                           | Nil   | violation is pointed out for the same. |
| 6e | Cumulative no .of plants   |                               | 4000 plants   |  |
| 6f | Any other method of rehabilitation   | Nil                           | Nil   |  |
| 6g | Cost incurred on watch and care during the year  | Nil                           | Nil   |  |
| 6h | Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D | Nil                           | Nil   |  |
| 6i | Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings          | 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   |  |



|    |   |     |   |
|----|---|-----|---|
| 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   |
| 6n | Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)             | 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)                                |     | The mine is working manually and production is also very less , so impact of mining on environment is negligible. |
| 6q | General remarks of inspecting officers on PMCP compliance and progressive closure operations etc. |     | Less was not submitted report on PMCP for the year 2016-17 and violation is pointed out for the same.             |

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Mineral Conservation:

| Sl.No. | Item  | Propasals | Actual work  | Remarks |
|--------|---|-----------|--|---------|
| 7a     | ROM Mineral dispatch or grade-wise sorting within lease area    |           | About 595.480 tons of BF grade and 6823.310 tons of Cement grade ore was despatched from the mine in the year 2016-17. |         |
| 7b     | Method of grade-wise mineral sorting i.e. manual or mechanical. | Manual    | Manual   |         |

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|----|--|-----|--|
| 7c | Different grade of mineral sorted out at mines.  |     | Bf grade and Cement grade.   |
| 7d | Any beneficiation process at mines .   | Nil | Nil  |
| 7e | General remarks of inspecting officer on Mineral conservation and beneficiation issues |     | Lessee is blending lowgrade ore with high grade ore as per the specification of the buyor. |

## Environment:

| Sl.No. | Item  | Propasals | Actual work  | Remarks   |
|--------|---|-----------|--|---|
| 8a     | Separate removal and utilization of topsoil (Rule 32)   | 663 tons  | Nil  | Working has been carriedout in the broken up area only. |
| 8b     | Concurrent use or storage of topsoil  |           | No top soil was removed.   |   |
| 8c     | Separate dumps for overburden, waste rock, rejects and fines (Rule 33)                                      |           | No mineral reject was generated and Ob removed was utilized for making bund and maintenance of road. |   |
| 8d     | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use           | Nil       | 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) | 4000 plantation is made in the plan period,  |
| 8g | Survival rate  | 50%  |
| 8h | Water sprinkling on roads to control airborne dust                                       | Mine is working manually and production is also very less. so no airborne dust will be generated. However lessee is using water tanker for control dust. |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area       | most of the area was degraded by mining. Benches were not made regularly and violation is pointed out for the same.                                      |

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Compliance of Rule 45:

| Sl.No. | Item  | Propasals   | Actual work  | Remarks                                |
|--------|---|---|--|--|
| 9a     | Status of submission of Monthly and Annual returns  |   | annual returns for the year 2016-17 was not submitted.   | violation is pointed out for the same. |
| 9b     | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager           | No mining engineer and geologist were shown in the annual returns | Lessee has not appointed mining engineer and geologist . | Violation is pointed out for the same. |
| 9c     | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Area under mining-1.95Ha and others-0.840                         | Details are almost matching                              |  |
| 9d     | Scrutiny of Annual return on afforestation  | 150 in the year 2016-17   | plantations were not observed as mentioned in the AR.    | Violation is pointed out for the same. |
| 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                    | About 1404.520 tons of BF grade and 1213.330 tons of cement grade ore is shown as closing stock in the annual returns submitted for the year 2016-17.                                       | Matching  |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price and production cost | Sale value of BF grade ore was shown as Rs 485 to 510/ton and rs 333/ton for cement grade ore and exmine price is shown same as sale price and cost of production is shown as Rs 251.60/ton |   |
| 9h | Scrutiny of Annual return on fixed assets                                   | Value of fixed asset was shown as 0   | Lessee has not shown land value also and lessee is advised to correct the same. |
| 9k | Scrutiny of Annual return on mining machineries                             | Only air compressor was shown.  | Mine is working manually and no machineries were found.                         |

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**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)     | 26-MAR-18 | 17-JUL-18     |                     |           |               |
| MCDR17             | Rule 26 (2)     | 26-MAR-18 | 17-JUL-18     |                     |           |               |
| MCDR17             | Rule 27 (1)     | 26-MAR-18 | 17-JUL-18     |                     |           |               |
| MCDR17             | Rule 27 (2)     | 26-MAR-18 | 17-JUL-18     |                     |           |               |
| MCDR17             | Rule 35 (2)     | 26-MAR-18 |               |                     |           |               |
| MCDR17             | Rule 45 (5) (c) | 26-MAR-18 | 17-JUL-18     |                     |           |               |
| MCDR17             | Rule 55 (1) (3) | 26-MAR-18 |               |                     |           |               |

**Date :**

**(KALMATA M.K.)**

Indian Bureau of Mines