

# INDIAN BUREAU OF MINES

## --:-- Inspection Report --:--

### Part-I : General Information

#### 1.1.1 Mine Details

|                                 |   |                                  |                |
|---------------------------------|---|----------------------------------|----------------|
| Name of the Mine :              | 38KAR26002  | Lease Area (Ha) :                | 3.64           |
| Forest Area (Ha) :              | N/A   | Mine Code :                      | 38KAR26002     |
| Registration Number :           | IBM/11836/2012  | Name of lessee :                 | RATNA MINERALS |
| Address of lessee :             | Raikar House ,Vallabhi Chowk ,Vallabhai Chowk, Bagalkot | Phone of lessee :                | 08354-220456   |
| Email of lessee :               | Vadirajminerals@gmail.com                               | Fax Number :                     | N/A            |
| Village :                       | Jalikatti(K.D)  | Taluka / Mandal :                | Mudhol         |
| District :                      | Bagalkote   | Pincode :                        | 587101         |
| State :                         | Karnataka   | Post Office :                    | N/A            |
| Nearest Police Station :        | Lokapur   | Nearest Railway Station :        | Lokapur        |
| Date of Grant of Mining Lease : | 1990-09-13  | Date of Mining Lease Execution : | 1990-09-13     |
| Date of opening in the mine :   | 2022-04-01  |                                  |                |

| <b>Nominated Owner Details</b>        |  |                                       |  |
|---------------------------------------|--|---------------------------------------|--|
| Name of the Nominated Owner :         | N/A  | Nominated Owner Address:              | N/A  |
| Nominated Owner Mobile :              | N/A  | Nominated Owner Email :               | N/A  |
| Nominated Owner Fax Number :          | Nil  | Date of Nominated Owner Appointment : | Nil  |
| <b>Mining Engineer Details</b>        |  |                                       |  |
| Name of the Mining Engineer :         | Banu Prakash Shetty  | Qualification of Mining Engineer :    | Mining Engineering, Second Class Mines Manager |
| Address of Mining Engineer :          | C/o-Vijayalaxmi Jewellers Vallabhai Chowk, Bagalkot-587101 | Phone of Mining Engineer :            | 8105228435                                     |
| Email of Mining Engineer :            | Minesmailbox@gmail.com                                     | Fax Number of Mining Engineer :       | N/A  |
| Date of Mining Engineer Appointment : | 2024-04-01   |                                       |  |
| <b>Geologist Details</b>              |  |                                       |  |
| Name of the Geologist :               | G Deva Krishna Reddy                                       | Qualification of Geologist :          | M.Sc.  |
| Address of Geologist :                | C/o-Vijayalaxmi Jewellers Vallabhai Chowk, Bagalkot-587101 | Phone of Geologist :                  | 8105228435                                     |
| Email of Geologist :                  | Minesmailbox@gmail.com                                     | Fax Number of Geologist :             | N/A  |
| Date of Geologist Appointment :       | 2023-03-01   |                                       |  |
| <b>Mine Manager Details</b>           |  |                                       |  |
| Name of the Mine Manager :            | Banu Prakash Shetty  | Qualification of Mine Manager :       | Mining Engineering, Second Class Mines Manager |
| Address of Mine Manger :              | C/o-Vijayalaxmi Jewellers Vallabhai Chowk,                 | Phone of Mine Manger :                | 8105228435                                     |

|   |                        |   |                       |
|---|------------------------|---|-----------------------|
|   | Bagalkot-587101        |   |                       |
| Email of Mine Manger :                              | Minesmailbox@gmail.com | Fax Number of Mine Manger :   | N/A                   |
| Date of Mine Manger Appointment :                   | 2024-04-01             |   |                       |
| Mineral(s) granted in lease and proved for mining : | LIMESTONE              | Date of Approval of Mining Plan / Modified Mining Plan / ROMP with five-year period : | N/A                   |
| Method of mining :                                  | Open Cast              | Category :  | OTHER_THAN_MECHANISED |
| Nature of Use :                                     | Non Captive            |   |                       |

## Part-II : Other Information

### 2.1.1 : Inspection Details

|   |   |
|---|---|
| Inspecting Officer :                          | Dr. Rakesh Kumar  |
| Designation :                                 | JMG   |
| Name of the Accompanying Official from Mine : | Banu Prakash Shetty - Mine Engg & Manager; G Deva Krishna Reddy - Geologist |
| Designation of the Accompanying Official :    | Mine Engg & Manager   |
| Type of Inspection :                          | MCDR,MPAS,STR   |
| Date of Inspection :                          | 28/10/2025  |
| Review year considered for MCDR Inspection :  | 2024-2025   |

**2.2.1 : Exploration Details**

| S.N. | Items for Reporting  | As Per Approved Mining Plan    | Actual                         | Deviation | Violation under Rule | Remark                    | Remark File    |     |
|------|--|--------------------------------|--------------------------------|-----------|----------------------|---------------------------|----------------|-----|
| 1    | Number of Core Boreholes   | 8                              | 8                              | 0.000     | No Violation         | Found in Order            | Nil            |     |
| 2    | Number of DTH Boreholes  | 0                              | 0                              | 0.000     | No Violation         | Found in Order            | Nil            |     |
| 3    | Number of exploratory pits / trial pits  | 0                              | 0                              | 0.000     | No Violation         | Found in Order            | Nil            |     |
| 4    | Number of exploratory Trenches   | 0                              | 0                              | 0.000     | No Violation         | Found in Order            | Nil            |     |
| 5    | Lateral exploration status for the lease area  | G1                             | 3.64                           | 3.64      | 0.000                | No Violation              | Found in Order | Nil |
| 6    |  | G2                             | 00                             | 0         | 0.000                | No Violation              | Found in Order | Nil |
| 7    |  | G3                             | 0                              | 0         | 0.000                | No Violation              | Found in Order | Nil |
| 8    |  | G4                             | 0                              | 0         | 0.000                | No Violation              | Found in Order | Nil |
| 9    | UNFC category wise reported Resources/Reserves as per MP/MMP ROMP<br><br>Total Reserves (111, 121 & 122) and Total Mineral Resources (331, 332 & 333 upto 334) | 1354388 tonnes & 968109 tonnes | 1354388 tonnes & 968109 tonnes | 0         | No Violation         | Found in Order, As per MP | Nil            |     |

### 2.3.1 : Development - Opencast Details

| S.N. | Items for Reporting                       | As Per Approved Mining Plan                         | Actual  | Deviation | Violation under Rule | Remark   | Remark File |
|------|---|---|---|-----------|----------------------|--|-------------|
| 1    | Location of development w.r.t. lease area | Pit, 1; N 1786581 to N1786551<br>E541168 to E541218 | Pit, 1; N 1786581 to N1786551<br>E541168 to E541218 | 0         | No Violation         | Found in order   | Nil         |
| 2    | Quantity of overburden generation in m3   | 5555  | 0   | 5555.000  | No Violation         | No overburden has been produced during the FY 2024-25  | Nil         |
| 3    | Quantity of topsoil generation in m3      | 0   | 0   | 0.000     | No Violation         | Found in order   | Nil         |
| 4    | Stripping ratio : ore to OB ratio         | 0.1:1   | 1   | 0         | No Violation         | No overburden has been produced during the FY 2024-25. | Nil         |

### 2.4.1 Exploitation - Opencast Mine Details

| S.N. | Items for Reporting  | As Per Approved Mining Plan | Actual              | Deviation | Violation under Rule | Remark  | Remark File |
|------|--|-----------------------------|---------------------|-----------|----------------------|---|-------------|
| 1    | Number of pits / Blocks proposed for production  | 1                           | 1                   | 0.000     | No Violation         | Found in order  | Nil         |
| 2    | Quantity of ROM mineral production proposed (in T)   | 55555                       | 19970               | 35585.000 | No Violation         | Less production because of the low demand for limestone | Nil         |
| 3    | Recovery of salable/usable mineral quantity from ROM production in T)                                  | 90% proposed                | 90% recovery of ROM | 0         | No Violation         | Less production because of the low demand for limestone | Nil         |
| 4    | Quantity of mineral reject/Sub-grade generation  | 0                           | 0                   | 0.000     | No Violation         | No Reject proposed                                      | Nil         |
| 5    | Grade of mineral reject/sub-grade generation as per threshold value declared                           | 0                           | 0                   | 0.000     | No Violation         | No Reject proposed                                      | Nil         |
| 6    | Manual/Mechanised method adopted for segregating subgrade/mineral rejects from ROM                     | Mechanised                  | Mechanised          | 00        | No Violation         | In order  | Nil         |
| 7    | Whether height of benches in Overburden& mineral suitable for method of mining proposed in mining plan | 5X5                         | 5X5                 | 0         | No Violation         | Found as per the Approved RMP                           | Nil         |
| 8    | Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject            | No                          | No                  | 0         | No Violation         | No proposal   | Nil         |

### 2.4.3 : Exploitation - Dump Working Details

| S.N. | Items for Reporting   | As Per Approved Mining Plan | Actual     | Deviation | Violation under Rule | Remark                                   | Remark File |
|------|---|-----------------------------|------------|-----------|----------------------|--|-------------|
| 1    | Number of dumps proposed for production                                       | 1                           | 1          | 0.000     | No Violation         | 1 no. of waste dump is constructed       | Nil         |
| 2    | Quantity of dump material handling Proposed (in Tonne)                        | 5555                        | 0          | 5555.000  | No Violation         | No dump produced during the FY 2024-25   | Nil         |
| 3    | Recovery of salable/usable mineral from dump production (in Tonne)            | 50000                       | 19970      | 30030.000 | No Violation         | Less production due to low market demand | Nil         |
| 4    | Production from dump(s) during the year                                       | 0                           | 0          | 0.000     | No Violation         | No proposal                              | Nil         |
| 5    | Quantity of mineral reject generation   | 0                           | 0          | 0.000     | No Violation         | No proposal                              | Nil         |
| 6    | Grade of mineral reject generation and threshold value declared               | 0                           | 0          | 0.0000    | No Violation         | No proposal                              | Nil         |
| 7    | Any analysis or beneficiation study proposed & carried out for mineral reject | 0                           | 0          | 0.0000    | No Violation         | No proposal                              | Nil         |
| 8    | Manual / Mechanized method adopted for dump working                           | Mechanized                  | Mechanized | 0.000     | No Violation         | In order                                 | Nil         |

**2.5.1 : OB/Waste Dumps Details**

| S.N. | Items for Reporting   | As Per Approved Mining Plan | Actual       | Deviation | Violation under Rule | Remark                           | Remark File |
|------|---|-----------------------------|--------------|-----------|----------------------|----------------------------------|-------------|
| 1    | Separate dumping of topsoil, OB & mineral rejects, fines, tailings (Rule 36,37) | 1                           | 1            | 0.000     | No Violation         | Separate disposal of OB proposed | Nil         |
| 2    | Location of Topsoil, OB/Waste, Mineral Reject dumps, Tailings and Fines         | Within Lease                | Within Lease | 0         | No Violation         | In order                         | Nil         |
| 3    | Number of active & Inative dumps  | 1                           | 1            | 0.000     | No Violation         | In order                         | Nil         |
| 4    | Number of dead dumps  | 0                           | 0            | 0.000     | No Violation         | No proposal                      | Nil         |
| 5    | Number of dumps proposed for stabilished  | 0                           | 0            | 0.000     | No Violation         | No proposal                      | Nil         |
| 6    | Stabilization Technique (Terracing, plantation, geo-textiles etc.)              | 0                           | 0            | 0.000     | No Violation         | No proposal                      | Nil         |

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**2.6.1 : Solid Waste Management - Backfilling (Opencast) Details**

| S.N. | Items for Reporting  | As Per Approved Mining Plan | Actual | Deviation | Violation under Rule | Remark   | Remark File |
|------|--|-----------------------------|--------|-----------|----------------------|--|-------------|
| 1    | Status on part or full extraction of mineral from mined out area before starting backfilling | No proposal                 | Nil    | Nil       | No Violation         | No proposal has been made, as the mine pit is not yet mature for backfilling, as mineral deposits still exist at the bottom of the workings. | Nil         |
| 2    | Year-wise area under backfilling of mined out area   | No proposal                 | Nil    | Nil       | No Violation         | No proposal has been made, as the mine pit is not yet mature for backfilling, as mineral deposits still exist at the bottom of the workings. | Nil         |
| 3    | Year-wise topsoil generation, Utilization and Stored proposal (in m3)                        | No proposal                 | Nil    | Nil       | No Violation         | No proposal has been made, as the mine pit is not yet mature for backfilling, as mineral deposits still exist at the bottom of the workings. | Nil         |
| 4    | Total area fully reclaimed & rehabilitated   | No proposal                 | Nil    | Nil       | No Violation         | No proposal has been made, as the mine pit is not yet  | Nil         |

|   |   |             |     |     |              |  |     |
|---|---|-------------|-----|-----|--------------|--|-----|
|   |   |             |     |     |              | mature for backfilling, as mineral deposits still exist at the bottom of the workings.   |     |
| 5 | Locations of proposed reclamation & rehabilitated | No proposal | Nil | Nil | No Violation | No proposal has been made, as the mine pit is not yet mature for backfilling, as mineral deposits still exist at the bottom of the workings. | Nil |

### 2.7.1 : Progressive Mine Closure Plan (PMCP) Details

| S.N. | Items for Reporting   | As Per Approved Mining Plan | Actual | Deviation | Violation under Rule | Remark  | Remark File |
|------|---|-----------------------------|--------|-----------|----------------------|---|-------------|
| 1    | Compliance on reclamation and rehabilitation by backfilling/Other means<br><br>Total area and numbers of plantation proposed. | No proposal                 | Nil    | Nil       | No Violation         | The yearly PMCP report has been submitted. PMCP compliance and progressive mine closure activities have been carried out in accordance with the approved proposals. | Nil         |

|   |   |             |           |     |              |   |     |
|---|---|-------------|-----------|-----|--------------|---|-----|
| 2 | Rehabilitation by making water reservoir  | No proposal | Nil       | Nil | No Violation | The yearly PMCP report has been submitted. PMCP compliance and progressive mine closure activities have been carried out in accordance with the approved proposals. | Nil |
| 3 | Compliance of Rehabilitation of waste land within lease<br>i) Afforestation<br>ii) Area rehabilitated (ha)<br>iii) Method of rehabilitation | No proposal | Nil       | Nil | No Violation | The yearly PMCP report has been submitted. PMCP compliance and progressive mine closure activities have been carried out in accordance with the approved proposals. | Nil |
| 4 | Compliance of Environmental monitoring (core zone & buffer zone)  | Proposed    | Submitted | 0   | No Violation | The yearly PMCP report has been submitted. PMCP compliance and progressive mine closure activities have been carried out in accordance with the approved proposals. | Nil |

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**2.8.1 : Mineral Conservation Details**

| S.N. | Items for Reporting   | As Per Approved Mining Plan                              | Actual   | Deviation | Violation under Rule | Remark   | Remark File |
|------|---|--|--|-----------|----------------------|--|-------------|
| 1    | ROM Mineral dispatch or grade-wise sorting within lease area  | Grade-wise sorting is carried out within the lease area. | Grade-wise sorting is carried out within the lease area. | Nil       | No Violation         | Grade-wise sorting is carried out within the lease area. | Nil         |
| 2    | Different grade of mineral sorted out at mines  | Cement and BF Grade                                      | BF Grade dispatched                                      | Nil       | No Violation         | In order, Dry Crushing & Screening is being carried out. | Nil         |
| 3    | Any beneficiation process at mines  | No Proposal  | Nil  | Nil       | No Violation         | In Order, Dry Crushing & Screening is being carried out. | Nil         |
| 5    | Utilization of Mineral Rejects or Sub-grade (Blending at ROM stage, Blending after Processing etc.) | Nil  | Nil  | Nil       | No Violation         | Nil  | Nil         |

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**2.9.1 : Environment Details**

| S.N. | Items for Reporting   | As Per Approved Mining Plan | Actual                                    | Deviation | Violation under Rule | Remark                                   | Remark File |
|------|---|-----------------------------|---|-----------|----------------------|--|-------------|
| 1    | Separate removal and utilization of topsoil   | Proposed                    | Yes, for plantation                       | Nil       | No Violation         | topsoil has been used for plantation     | Nil         |
| 2    | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use           | Concurrent use proposed     | Concurrent use of top soil for plantation | Nil       | No Violation         | Concurrent use of topsoil for plantation | Nil         |
| 3    | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | No proposal                 | Nil                                       | Nil       | No Violation         | No proposal                              | Nil         |
| 4    | Plantation & Survival rate  | 50, 40%                     | 15, 35%                                   | Nil       | No Violation         | In order                                 | Nil         |
| 5    | Water sprinkling on roads to control airborne dust  | Proposed                    | tanker                                    | Nil       | No Violation         | In Order                                 | Nil         |

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**2.10 : Annual Return Details**

| S.N. | Items for Reporting  | As Per Approved Mining Plan   | Actual    | Deviation | Violation under Rule | Remark  | Remark File |
|------|--|---|-----------|-----------|----------------------|---|-------------|
| 1    | Submission of Online Monthly and Annual returns in prescribed period or not          | M.R. Submitted up to September 2025 A.R. Submitted up to 2024- 2025 | Submitted | Nil       | No Violation         | Date of submission of AR was 324.06.2024  | Nil         |
| 2    | Appointment of Mining Engineer & Geologist as per provisions of Rule 55 of MCDR,2017 | Appointed   | Appointed | Nil       | No Violation         | Notice of appointments in respect of Manager, Mining Engineer and Geologist are submitted as per the MCDR 2017 provision. | Nil         |
| 3    | Whether incomplete or false or wrong returns submitted (Rule 45(7))                  | No  | Nil       | Nil       | No Violation         | Nil   | Nil         |
| 4    | Status of Approval of FMPCP u/r 24, 25 of MCDR,2017                                  | No Proposal   | Nil       | Nil       | No Violation         | No Proposal   | Nil         |
| 5    | Notices and Returns for the lease area submitted or not where fine applicable        | NA  | NA        | Nil       | No Violation         | NA  | Nil         |
| 6    | Scrutiny of Annual return on sale value, Ex. Mine price & production cost            | Scrutiny done   | NA        | Nil       | No Violation         | Scrutiny done   | Nil         |

### 2.11 : SDF Details

| S.N. | Items for Reporting                                 | As Per Approved Mining Plan  | Actual | Deviation | Violation under Rule | Remark   | Remark File |
|------|---|------------------------------|--------|-----------|----------------------|--|-------------|
| 1    | Start Ratings accorded for mine during last 3 years | 2022, 2023, 2024<br>- 3 star | 3 star | Nil       | No Violation         | Last 3 years, the mine has been awarded with 3-star rating | Nil         |

### Part-III : Other Reports

#### 3.1.1 : Upload Other Reports

| S.N. | Reports File                                | Remark   File Description |
|------|---|---------------------------|
| 1    | <a href="#">Mine_Profile_38KAR26002.pdf</a> | MIDPAS analysis report    |

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## Part-IV : Summary Details

### 4.1 : Summary of Violations

| S.N. | Items for Reporting | As Per Approved Mining Plan | Actual | Deviation | Violation under Rule | Remark | Remark File |
|------|---------------------|-----------------------------|--------|-----------|----------------------|--------|-------------|
|------|---------------------|-----------------------------|--------|-----------|----------------------|--------|-------------|

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Esigned by:  Dr. Rakesh Kumar  
Date: 03/11/2025 04:02:25 PM