

## MINERALS DEVELOPMENT AND REGULATION DIVISION

## MCDR Inspection REPORT

## Jabalpur Regional office

Mine code: 38MPR18090

|       |   |   |  |
|-------|---|---|--|
| (i)   | Name of Inspecting officer                  | : | Shri Kathroju Naveen   |
| (ii)  | Designation                                 | : | Sr. Assistant Controller of Mines                              |
| (iii) | Accompanying mine official with Designation | : | Shri. K.K Chandra Agent Mines<br>Shri. P.D Tiwari Mine Manager |
| (iv)  | Date of Inspection                          | : | 28/02/2024.  |
| (v)   | Previous Inspection date                    | : | 18/10/2022   |

## PART-I: GENERAL INFORMATION

|   |     |                            |   |  |
|---|-----|----------------------------|---|--|
| 1 | (a) | Mine Name                  | : | Bistra Limestone mine  |
|   | (b) | Registration Number        | : | IBM/5445/2011  |
|   | (c) | Category                   | : | A  |
|   | (d) | Type of Working            | : | Mechanised   |
|   | (e) | Postal address             | : |  |
|   |     | State                      | : | Madhya Pradesh   |
|   |     | District                   | : | Katni  |
|   |     | Village                    | : | Rajarwara  |
|   |     | Taluka                     | : | Katni Murwara  |
|   |     | Post Office                | : | Katni  |
|   |     | Pin code                   | : | 485771   |
|   |     | email                      | : | <a href="mailto:nmdubashbistra@gmail.com">nmdubashbistra@gmail.com</a>   |
|   |     | Phone No                   | : | 7987122096   |
|   | (f) | Police Station             | : | Katni  |
|   | (g) | Weekly day of rest         | : | Sunday   |
| 2 |     | Address for Correspondence | : | M/s. N.M.Dubash Stone & Lime Co Pvt. Ltd...<br>Station Road Maihar<br>Post Office Maihar, District Satna (MP) 485771<br>Email <a href="mailto:nmdubashbistra@gmail.com">nmdubashbistra@gmail.com</a> |
| 3 | (a) | Lease Area                 | : | 4.57 ha (Non – forest)   |
|   | (b) | Period of lease            | : | 50 years (02.11.1977 to 01.11.2027)  |
|   | (c) | Date of Expiry             | : | 01.11.2027   |
|   | (d) | Date of first opening      | : | Not Available.   |
| 4 |     | Mineral Worked (Main)      | : | Limestone  |

|   |  |  |
|---|--|--|
| 5 | Name of address of the Lessee with Phone, email and fax number                                     | : Shri Shalendra Wora, ( Director & Nominated Owner)<br>M/s M/s. N.M.Dubash Stone & Lime Co Pvt. Ltd... Station Road Maihar<br>Post Office Maihar, District Satna (MP)<br>485771 |
|   | Name of address of the Owner/Nominated Owner with Phone, email, fax number and Date of appointment | : Miss.Vidhi Wora<br>Date of appointment 11.07.2024.<br>Email: <a href="mailto:nmdubashbistra@gmail.com">nmdubashbistra@gmail.com</a>  |
|   | Name of address of the Agent with Phone, email, fax number and Date of appointment                 | : Shri K.K. Chandra<br>Phone No 7987122096<br>Date of Appointment 06/06/2023<br>Email:kkchandra99@gmail.com  |
|   | Name of address of the Manager with Phone, email, fax number and Date of appointment               | : Mr. P.D. Tiwari<br>Village PO. Amehta Disst. Katni (M.P.)<br>Date of appointment - 12/12/2023  |
|   | Mining Engineer Name<br>Qualification<br>Date of Appointment                                       | : Shri. P.D. Tiwari, B.E. ( Mining) 1st class<br>Mine Manager , 25 years exp.<br>Date of appointment - 12/12/2023  |
|   | Geologist Name<br>Qualification,<br>Date of Appointment  | : Shri. Ratneesh Kumar pandey<br>Qualification MSc geology.<br>Date of appointment 01/11/2020  |
| 6 | Date of approval of Mining Plan/Review of Mining Plan etc.   | : 02/09/2020   |

### Exploration

| S. N. | Item  | Proposals   | Actual Work         | Remarks |
|-------|---|---|---------------------|---------|
| 1a    | Backlog of previous year  | Not proposed  | Nil                 |         |
| 1b    | Exploration over lease area for Geological axis 1 or 2.         | To be Explored in G1                                      | Explored in G1      |         |
| 1c    | Exploration Agency & Expenditure in Lakh Rupees during the year | Not proposed  | NA                  |         |
| 1d    | Balance area to be explored to bring Geological axis in 1 or 2. | Total area under G1                                       | Total area under G1 |         |
| 1e    | Balance reserves as on 01.04.2023                               | 945265 T  | 1303120 T           |         |
| 1f    | General remarks of  | As per the last approved Mining plan dated 02/09/2020 the |                     |         |

|   |   |
|---|---|
| Inspecting officer on geology, exploration etc. | reserves available as on 01.04.2020 were 15,02,025 T out of which it is proposed to produce 5,56,760 T against which only 1,98,905 thus the balance reserves available are 13,03,120 T. |
|---|---|

### Development

| S.N. | Item   | Proposals   | Actual Work                    | Remarks   |
|------|--|---|--------------------------------|---|
| 2a   | Location of Development w.r.t. lease area  | Southwest of the lease area   | South & west of the lease area |   |
| 2b   | Separate benches in topsoil overburden and mineral (Rule 15)                           | Was to be maintained  | Not maintained                 | Benches Not systematically maintained against which the Violation is issued under Rule 11(1). |
| 2c   | Stripping ratio or ore to OB ratio   | 1:0.58  | 1:0.21                         |   |
| 2d   | Quantity of topsoil generation in m3   | 565m3   | Nil                            |   |
| 2e   | Quantity of overburden generation in m3  | 29557 m3  | 1015 m3                        |   |
| 2f   | General remarks of Inspecting officer on development of pit w.r.t type of deposit etc. | Benches Not systematically maintained against which the Violation is issued under Rule 11(1). |                                |   |

### Exploitation

| S.N. | Item   | Proposals    | Actual Work | Remarks |
|------|--|--------------|-------------|---------|
| 3a   | Number of pits proposed for production                 | 01           | 01          |         |
| 3b   | Quantity of ROM mineral production proposed (2022-23)  | 139193 T     | 4785 T      |         |
| 3c   | Recovery of Salable/usable mineral from ROM production | 139193 T     | 4785 T      |         |
| 3d   | Quantity of mineral reject generation                  | Not proposed | Nil         |         |

|    |  |              |        |                                  |  |
|----|--|--------------|--------|----------------------------------|--|
| 3e | Grade of mineral reject generation and threshold value declared                                      | Not proposed |        | NA                               |  |
| 3f | Quantity of sub-grade mineral generation   | Not proposed |        | NA                               |  |
| 3g | Grade of sub-grade mineral generation  | Not proposed |        | NA                               |  |
| 3h | Manual/Mechanized method adopted for segregation from ROM  | Not proposed |        | NA                               |  |
| 3i | Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject          | Not proposed |        | NA                               |  |
| 3j | Provision of drilling & blasting in mineral benches  | Yes          |        | As per the proposal              |  |
| 3k | Provision of mining machineries in mineral benches   | Yes          |        | As per the proposal              |  |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | Yes          |        | Bench heights are not maintained |  |
| 3m | Total area covered under excavation /pits  | 3.05 ha      |        | 3.05 ha                          |  |
| 3n | Ore to OB ratio for the pit/ mine during the year  | 1:0.54       |        | 1:0.21                           |  |
| 3o | Total area put in use under different heads at the end of year                                       | 3.77 ha      |        | 3.77 ha                          |  |
| 3p | Production of ROM mineral during last five-years period, as Applicable                               | 2018-19      | 133800 | 0.00 T                           |  |
|    |  | 2019-20      | 110400 | 0.00 T                           |  |
|    |  | 2020-21      | 139185 | 90570 T                          |  |
|    |  | 2021-22      | 139180 | 103550 T                         |  |
|    |  | 2022-23      | 139195 | 4785 T                           |  |
| 3q | General remarks of inspecting officer on method of mining etc  |              |        |                                  |  |

**Solid Waste Management-Dumping**

| <b>S. N.</b> | <b>Item</b>   | <b>Proposals</b>   | <b>Actual Work</b>  | <b>Remarks</b> |
|--------------|---|--|---------------------|----------------|
| 4a           | Separate dumping of topsoil, OB & mineral reject (Rule 32,33)     | Proposed separate dumping of B   | Separately dumped   |                |
| 4b           | Location of topsoil, OB & mineral reject dumps                    | At south side of pit   | As per the proposal |                |
| 4c           | Number of Dumps within lease area and outside lease area          | 02, Within lease area  | As per the proposal |                |
| 4d           | Location of Dumps w.r.t. ultimate pit limit (Rule 16)             | Close to the UPL   | As per the proposal |                |
| 4e           | Number of Active & Alive dumps                                    | 01   | 01                  |                |
| 4f           | Number of dead dumps  | 01   | 01                  |                |
| 4g           | Number of dumps established                                       | 01   | 01                  |                |
| 4h           | Whether Retaining wall or garland drain all along dumps are there | No proposal in this year   | N/A                 |                |
| 4i           | Length of Retaining wall or garland drain all along dump          | N/A  | N/A                 |                |
| 4j           | Number of settling ponds  | 01   | 01                  |                |
| 4k           | Specific commends of inspecting officer on waste dump management  | The generated waste was proposed to dump and backfill in the Southern side of the lease which has not been carried out against which the violation is issued under Rule 11(1). |                     |                |

**Solid Waste Management-Backfilling**

| <b>S. N.</b> | <b>Item</b>  | <b>Proposals</b>                       | <b>Actual Work</b>       | <b>Remarks</b>      |
|--------------|--|--|--------------------------|---------------------|
| 5a           | Status on part or full extraction of mineral from mined out area before starting backfilling | Proposed in Southern side of the lease | Has not been carried out |                     |
| 5b           | Area under backfilling of mined out area   | Backfilling was proposed               | Not done                 | Violation is issued |

|    |   |   |                      |                   |
|----|---|---|----------------------|-------------------|
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32) | proposed  | As per the proposal. | under rule 11(1). |
| 5d | Total area fully reclaimed & rehabilitated  | Not proposed  | Nil                  |                   |
| 5e | General remarks of inspecting officer on backfilling, reclamation etc                   | Backfilling proposed in the Southern side of the lease which has not been carried out against which the violation is issued under Rule 11(1). |                      |                   |

**Progressive Mine Closer Plan**

| S. N . | Item  | Proposals  | Actual Work  | Remarks                               |
|--------|---|--|--|---------------------------------------|
| 6a     | Whether Annual report on PMCP submitted on time and correctly-Rule 26(2). Details should be given in the format as given in Annexure-20   | Proposed   | Submitted on time  |                                       |
| 6b     | Management of worked/mined out benches  | Not proposed   | Nil  |                                       |
|        | Area available for rehabilitation (Ha)  | Not proposed   | Nil  |                                       |
|        | Afforestation done (ha)   | Not proposed   | Nil  |                                       |
|        | No.of saplings planted during the year  | Not proposed   | Nil  |                                       |
|        | Cumulative no. of plants  | Not proposed   | Nil  |                                       |
|        | Any other specific method of rehabilitation   | Not proposed   | Nil  |                                       |
|        | Cost incurred on watch & care during the year   | Not proposed   | Nil  |                                       |
| 6c     | Compliance on reclamation and rehabilitation by backfilling<br>Voids available for backfilling (L*B*D)<br>Void filled by waste/tailings<br>Afforestation on the backfilling<br>Rehabilitation by making water reservoir | Proposal was given to back fill 7.5 m barrier zone and mined out area towards west and North | No back filling carried out during the year O.B. and waste was disposed in dump. | violation is issued under Rule 11(1). |

I/39552/2024

|    |   |   |                                   |  |
|----|---|---|-----------------------------------|--|
|    | Any other specific means  |   |                                   |  |
| 6d | Compliance of Rehabilitation of waste land within lease<br>Afforestation<br>Area rehabilitation<br>Method of rehabilitation | Not Proposed  | N/A                               |  |
| 6e | Compliance of Environment monitoring (core zone & buffer zone)  | Was Proposed  | Environmental monitoring was done |  |
| 6f | General remarks of inspecting officer on PMCP compliance & progressive closer operations                                    | Backfilling proposed in the Southern side of the lease which has not been carried out against which the violation is issued under Rule 11(1). |                                   |  |

### Mineral Conservation

| S.N. | Item   | Proposals   | Actual Work  | Remarks |
|------|--|---|--------------|---------|
| 7a   | ROM mineral dispatch or grade wise sorting within lease area                         | Proposed ROM dispatch   | ROM Dispatch |         |
| 7b   | Method of grade-wise mineral sorting<br>i.e. manual or mechanical                    | Not proposed  | NA           |         |
| 7c   | Different grade of mineral sort out at mine  | Not proposed  | NA           |         |
| 7d   | Any beneficiation process at mines   | Not proposed  | NA           |         |
| 7e   | General remarks of inspecting officer on Mineral conservation & beneficiation issues | The production reported is low in the mine violation is issued under Rule11(1). |              |         |

### Environment

| S.N. | Item  | Proposals | Actual Work               | Remarks |
|------|---|-----------|---------------------------|---------|
| 8a   | Separate removal and utilization of topsoil (Rule32)        | Proposed  | As per the proposal       |         |
| 8b   | Concurrent use or storage of topsoil                        | Proposed  | Top soil was utilized     |         |
| 8c   | Separate dumps for overburden waste rock, rejects and fines | Proposed  | There are 02 dumps In the |         |

|    |   |   |  |  |
|----|---|---|--|--|
|    | (Rule 33)   |   | lease area                               |  |
| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use           | Proposed  | Generated waste was dumped in O.B. dumps |  |
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | Proposed  | Not done in current year                 |  |
| 8f | Baseline information on existence of plantation & additional plantation done (Rule 41)                      | 130 Plants were proposed in back filled and green belt area   | As per the proposal                      |  |
| 8g | Survival rate   | 80%   | 75%                                      |  |
| 8h | Water sprinkling on roads to control airborne dust  | Proposed  | Carried out                              |  |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mine area                           | Back filling has not been carried out as proposed against which the violation is issued under Rule 11(1). |  |  |

### Compliance of Rule 45

| S.N. | Item  | Comments   | Remarks   |
|------|---|--|---|
| 9a   | Status of submission of monthly and Annual returns  | Submitted on time  |   |
| 9b   | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager           | Mining Engineer: Shri. V.K Patel<br>Geologist : Shri Ratneesh Kumar Pandey   | Mr. P.D. Tiwari,<br>B.E. ( Mining)<br><br>Date of appointment -<br>12/12/2023 |
| 9c   | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Land use pattern area are<br>Pit – 3.050 Ha.<br>Reclaimed – 0.170ha<br>Waste disposal – 0.68 Ha.<br>Green Belt – 0.20 ha | As per AR   |
| 9d   | Scrutiny of Annual return on afforestation  | Plantation done<br>Within the lease 30<br>Outside the lease 50   |   |
| 9e   | Scrutiny of Annual return on mineral reject generation (Grade & Quantity)                     | No mineral rejects have been generated from the lease area.  |   |
| 9f   | Scrutiny of Annual return on ROM stock and/or grade ore                                       | 5950.370 of limestone stock is reported.   |   |



I/39552/2024

| MCDR-MiFLOLST/97/2022-IBP-IBM_RO_JBP<br>Ex Mine price : 374.37/- |  |   |           |
|--|--|---|-----------|
| 9g   | Scrutiny of Annual return on sale value, Ex. Mine price & production costs | Sale value : 424.28/-   |           |
| 9i   | Scrutiny of Annual return on Fixed assets                                  | Value of Fixed Assets Nil   |           |
| 9k   | Scrutiny of Annual return on mining Machineries                            | <ol style="list-style-type: none"> <li>1. Dumper 16 T ..04</li> <li>2. Air compressor 325 cum/Min ...1</li> <li>3. Front Loader 2 Cum ..01</li> <li>4. Water tanker 3 KL..01</li> <li>5. Elec Motor...01</li> </ol> | As per AR |

| S.No | Violation Rule | Date of Violation issued | Compliance received | Date of Show Cause issued | Compliance received |
|------|----------------|--------------------------|---------------------|---------------------------|---------------------|
| 1    | Rule 11(1)     | 23.03.2024               | --                  | 30.05.2024                | 03.06.2024          |
| 3    | Rule 31(4)     | 23.03.2024               | 07.04.2024          | --                        | --                  |

**Kathroju Naveen**  
Senior Assistant Controller of Mines