

**INDIAN BUREAU OF MINES**  
**MINERALS DEVELOPMENT AND REGULATION DIVISION**  
**MCDR Inspection REPORT**  
**Jabalpur Regional office**

**Mine code: 38MPR18092**

|              |   |   |                                      |
|--------------|---|---|--------------------------------------|
| <b>(i)</b>   | Name of Inspecting officer                  | : | Kathroju Naveen                      |
| <b>(ii)</b>  | Designation                                 | : | Senior Assistant Controller of Mines |
| <b>(iii)</b> | Accompanying mine official with Designation | : | Mirtyunjoy Prasad<br>Mining Engineer |
| <b>(iv)</b>  | Date of Inspection                          | : | 28/06/2024                           |
| <b>(v)</b>   | Previous Inspection date                    | : | 28/04/2022                           |

**PART-I: GENERAL INFORMATION**

|   |     |  |   |  |
|---|-----|--|---|--|
| 1 | (a) | Mine Name  | : | Chandan Limestone & Dolomite Mine  |
|   | (b) | Registration Number  | : | IBM/6898/2011  |
|   | (c) | Category   | : | A Category   |
|   | (d) | Type of Working  | : | Mechanized   |
|   | (e) | Postal address   | : | M/s Shree Kamal Lime Industries<br>Station Road Katni-483501   |
|   |     | State  | : | Madhya Pradesh   |
|   |     | District   | : | Katni  |
|   |     | Village  | : | Chandan  |
|   |     | Taluka   | : | Badwara  |
|   |     | Post Office  | : | Raupond  |
|   |     | Pin code   | : | 483337   |
|   |     | Fax  | : |  |
|   |     | email  | : | bagaria_group@rediffmail.com   |
|   |     | Phone No   | : | +919893158602  |
|   | (f) | Police Station   | : | Badwara  |
|   | (g) | First Opening date   | : | 07.07.1982   |
|   | (h) | Weekly day of rest   | : |  |
| 2 |     | Address for Correspondence                                     | : | M/s Shree Kamal Lime Industries<br>Station Road Katni-483501   |
| 3 | (a) | Lease Area   | : | Total Lease Area-7.205 ha<br>Forest Land-nil<br>Non Forest Land-7.205 ha   |
|   | (b) | Period of lease  | : | 50 Years   |
|   | (c) | Date of Expiry   | : | 06-07-2032   |
| 4 |     | Mineral Worked (Main)  | : | Limestone & Dolomite   |
| 5 |     | Name of address of the Lessee with Phone, email and fax number | : | <b>Name</b> -M/s Shree Kamal Lime Industries<br><b>Address</b> -Station Road Katni-483501<br><b>Phone</b> : +919893158602<br><b>Email</b> : bagaria_group@rediffmail.com |

|   |  |   |  |
|---|--|---|--|
|   | Name of address of the Owner/Nominated Owner with Phone, email, fax number and Date of appointment | : | <b>Name-</b> Shree Kishore Kumar<br><b>Address-</b> Station Road Katni-483501<br><b>Phone:</b> +919893158602<br><b>Email:</b> <a href="mailto:bagaria_group@rediffmail.com">bagaria_group@rediffmail.com</a> |
|   | Name of address of the Agent with Phone, email, fax number and Date of appointment                 | : | -  |
|   | Name of address of the Manager with Phone, email, fax number and Date of appointment               | : | -  |
|   | Mining Engineer Name<br>Qualification  | : | <b>Name-</b> Miryunjoy Prasad<br><b>Qualification-</b> Bachelor  |
|   | Geologist Name<br>Qualification,   | : | <b>Name-</b> Srinivas Mishra<br><b>Qualification-</b> M.Sc   |
| 6 | Date of approval of Mining Plan/Review of Mining Plan etc.   | : | 20/06/2022   |

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

### Exploration

| S.N<br>o | Item  | Proposals  | Actual Work                            | Remarks  |
|----------|---|--|--|--|
| 1a       | Backlog of previous year  | Not Proposed   | N.A.                                   | Exploration has not been carried out as proposed violation is pointed out. |
| 1b       | Exploration over lease area for Geological axis 1 or 2              | G1   | G2                                     |  |
| 1c       | Exploration Agency & Expenditure in Lakh Rupees during the year     | Lessee Himself   | Lessee Himself                         |  |
| 1d       | Balance area to be explored to bring the Geological axis in 1 or 2. | Nil  | G2: 1.745<br>Non Mineralized<br>5.4625 |  |
| 1e       | Balance reserves as on 01.04.2024                                   | 194612 T   | 339255 T                               |  |
| 1f       | General remarks of Inspecting officer on geology, exploration etc.  | Local geology point of view, the lease area has Mahakaushal Formation of middle Proterozoic age and major rocks are Limestone, Phyllites and associate mineral as Dolomite.From litho set up point of view Limestone of band is running in NE-SW to ENE - SWS direction and approx width of band is 60m and is found with alternate bands of Dolomite thus the northern and southern part is occupied by associate mineral and central part is occupied by Limestone and overall strike is NE-SW to ENE-WSW & dipping is 70° S |  |  |

**Development (2023-24)**

| S.N. | Item   | Proposals  | Actual Work     | Remarks |
|------|--|--|-----------------|---------|
| 2a   | Location of Development w.r.t. lease area  | Proposed to develop at the central part of the pit | As per proposal |         |
| 2b   | Separate benches in topsoil overburden and mineral (Rule 15)                           | Nil  | Nil             |         |
| 2c   | Stripping ratio or ore to OB ratio   | 1:0.71   | 1:0.71          |         |
| 2d   | Quantity of topsoil generation in m3   | Nil  | Nil             |         |
| 2e   | Quantity of overburden generation in m3  | 58800  | Nil             |         |
| 2f   | General remarks of Inspecting officer on development of pit w.r.t type of deposit etc. |  |                 |         |

**Exploitation FY 2023-24**

| S. N. | Item  | Proposals                                    | Actual Work                                | Remarks |
|-------|---|--|--|---------|
| 3a    | Number of pits proposed for production                          | One  | One  |         |
| 3b    | Quantity of ROM mineral production proposed                     | ROM-82578Tonne                               | ROM-11250Tonne                             |         |
| 3c    | Recovery of Salable/usable minerals from ROM production         | Limestone-64380Tonne<br>Dolomite-18198 tonne | Limestone-9150Tonne<br>Dolomite-2100 tonne |         |
| 3d    | Quantity of mineral reject generation                           | Not Proposed                                 | N.A.                                       |         |
| 3e    | Grade of mineral reject generation and threshold value declared | Not Proposed                                 | N.A.                                       |         |
| 3f    | Quantity of sub-grade mineral generation                        | Not Proposed                                 | N.A.                                       |         |

|    |  |   |  |  |  |
|----|--|---|--|--|--|
| 3g | Grade of sub-grade mineral generation  | Not Proposed  |  | N.A.                                       |  |
| 3h | Manual/<br>Mechanized method adopted for segregation from ROM  | Mechanized method   |  | Mechanized method                          |  |
| 3i | Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject          | Not Proposed  |  | N.A.                                       |  |
| 3j | Provision of drilling & blasting in mineral benches  | Proposed  |  | Done as per proposal                       |  |
| 3k | Provision of mining machineries in mineral benches   | Proposed  |  | Done as per proposal                       |  |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | 3-4 mt height in ROM  |  | 3-4 mt height in ROM                       |  |
| 3m | Total area covered under excavation /pits (Ha.)  | 2.3765  |  | 1.88                                       |  |
| 3n | Ore to OB ratio for the pit/mine during the year   | 1:0.71  |  | 1:0.71                                     |  |
| 3o | Total area put in use under different heads at the end of year                                       | 4.4635 HA   |  | 3.19 HA                                    |  |
| 3p | Production of ROM mineral during last five-years period, as Applicable                               | 2022-23   | Limestone-69600Tonne<br>Dolomite-14755 tonne | Limestone-8940Tonne<br>Dolomite-2100 tonne |  |
|    |  | 2023-24   | Limestone-64380Tonne<br>Dolomite-18198 tonne | Limestone-9150Tonne<br>Dolomite-2100 tonne |  |
| 3q | General remarks of inspecting officer on method of mining etc.                                       | Only 9150 T of Limestone & 2100 T of Dolomite produced against the proposed64,380T of limestone and 18,198 T Dolomite against which the violation is issued under Rule 11(1). |  |  |  |

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**Solid Waste Management-Dumping (FY2023-24)**

| S.N . | Item  | Proposals   | Actual Work | Remarks  |
|-------|---|---|-------------|--|
| 4a    | Separate dumping of topsoil, OB & mineral reject (Rule 32,33)     | Not Proposed  | N.A.        |  |
| 4b    | Location of topsoil, OB & mineral reject dumps                    | Not Proposed  | N.A.        |  |
| 4c    | Number of Dumps within lease area and outside lease area          | Not Proposed  | N.A.        |  |
| 4d    | Location of Dumps w.r.t. ultimate pit limit (Rule 16)             | Not Proposed  | N.A.        |  |
| 4e    | Number of Active & Alive dumps                                    | 2 NOS   | 2 NOS       |  |
| 4f    | Number of dead dumps  | Not Proposed  | N.A.        |  |
| 4g    | Number of dumps established                                       | Not Proposed  | N.A.        |  |
| 4h    | Whether Retaining wall or garland drain all along dumps are there | Garland drain Proposed  | Nil         | 295m of retaining wall and 318m of garland drain proposed during the Reporting year which has not been carried out |
| 4i    | Length of Retaining wall or garland drain all along dump          | Garland drain-295 MT  | Nil         |  |
| 4j    | Number of settling ponds  | Not Proposed  | N.A.        |  |
| 4k    | Specific comments of inspecting officer on waste dump management  | 295m of retaining wall and 318m of garland drain proposed during the Reporting year which has not been carried out for which the violation is pointed out under Rule 11(1). |             |  |

**Solid Waste Management-Backfilling (FY 2023-24)**

| S.N . | Item   | Proposals  | Actual Work | Remarks |
|-------|--|--|-------------|---------|
| 5a    | Status on part or full extraction of mineral from mined out area before starting backfilling | Nil  | Nil         |         |
| 5b    | Area under backfilling of mined out area   | Not Proposed                                     | N.A.        |         |
| 5c    | Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)      | Not Proposed                                     | N.A.        |         |
| 5d    | Total area fully reclaimed & rehabilitated (Ha)  | Not Proposed                                     | N.A.        |         |
| 5e    | General remarks of inspecting officer on backfilling, reclamation etc                        | Back filling not proposed for the Reporting Year |             |         |

**Progressive Mine Closure Plan (FY 2023-24)**

| S.N . | Item  | Proposals    | Actual Work | Remarks   |
|-------|---|--------------|-------------|---|
| 6a    | Whether Annual report on PMCP submitted on time and correctly-Rule 23E (2). Details should be given in the format as given in Annexure-20 | Proposed     | Yes         |   |
| 6b    | Area available for rehabilitation (Ha)  | Not Proposed | N.A.        |   |
| 6c    | Afforestation done (ha)   | 0.27         | 0.25        |   |
| 6d    | No. of saplings planted during the year   | 300          | Nil         | Plantation has not been carried out as proposed |
| 6e    | Cumulative no. of plants  | 600          | NA          |   |
| 6f    | Any other specific method of rehabilitation   | Not Proposed | N.A.        |   |

|    |   |  |       |  |
|----|---|--|-------|--|
| 6g | Cost incurred on watch & care during the year   | 20000  | 15000 |  |
| 6h | Compliance on reclamation and rehabilitation by backfilling<br>(i) Voids available for backfilling (L X B X D).     | Not Proposed   | N.A.  |  |
| 6i | Compliance on reclamation and rehabilitation by backfilling<br>(ii) Void filled by waste/tailings.                  | Not Proposed   | N.A.  |  |
| 6j | Compliance on reclamation and rehabilitation by backfilling<br>(iii) Afforestation on the backfilled area.          | Not Proposed   | N.A.  |  |
| 6k | Compliance on reclamation and rehabilitation by backfilling<br>(iv) Rehabilitation by making water reservoir.       | Not Proposed   | N.A.  |  |
| 6l | Compliance on reclamation and rehabilitation by backfilling<br>(v) Any other specific means                         | Not Proposed   | N.A.  |  |
| 6m | Compliance of Rehabilitation of waste land within lease<br>(i) Afforestation  | Not Proposed   | N.A.  |  |
| 6n | Compliance of Rehabilitation of waste land within lease<br>(ii) Area rehabilitated (ha)<br>Method of rehabilitation | Not Proposed   | N.A.  |  |
| 6o | Compliance of Rehabilitation of waste land within lease<br>(iii) Method of rehabilitation                           | Not Proposed   | N.A.  |  |
| 6p | Compliance of Environment monitoring (core zone & buffer zone)  | Proposed   | Done  |  |
| 6q | General remarks of inspecting officer on PMCP compliance & progressive closer operations                            | Plantation has not been carried out as proposed violation is pointed out under Rule 11(1). |       |  |

**Mineral Conservation (FY 2023-24)**

| S.N | Item | Proposals | Actual | Remarks |
|-----|------|-----------|--------|---------|
|-----|------|-----------|--------|---------|

| .  |  |  | Work         |  |
|----|--|--|--------------|--|
| 7a | ROM mineral dispatch or grade wise sorting within lease area                         | ROM dispatch   | ROM dispatch |  |
| 7b | Method of grade-wise mineral sorting<br>i.e. manual or mechanical                    | Manual   | Manual       |  |
| 7c | Different grade of mineral sort out at mine  | Not Proposed   | N.A.         |  |
| 7d | Any beneficiation process at mines   | Not Proposed   | N.A.         |  |
| 7e | General remarks of inspecting officer on Mineral conservation & beneficiation issues | NO grade wise sorting observed Produced ROM is being dispatched. |              |  |

**Environment (FY 2023-24)**

| S. N. | Item  | Proposals  | Actual Work                | Remarks |
|-------|---|--|----------------------------|---------|
| 8a    | Separate removal and utilization of topsoil (Rule32)  | Not Proposed   | N.A.                       |         |
| 8b    | Concurrent use or storage of topsoil  | Not Proposed   | N.A.                       |         |
| 8c    | Separate dumps for overburden waste rock, rejects and fines (Rule 33)                                       | Not Proposed   | N.A.                       |         |
| 8d    | Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use            | Not Proposed   | N.A.                       |         |
| 8e    | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | Not Proposed   | N.A.                       |         |
| 8f    | Baseline information on existence of plantation & additional plantation done (Rule 41)                      | By Green belt 300 nos of plan  | Nil                        |         |
| 8g    | Survival rate   | 80%  | 80%                        |         |
| 8h    | Water sprinkling on roads to control airborne dust  | Proposed   | Maintained as per proposal |         |
| 8i    | General remarks of inspecting officer on aesthetic beauty in and around mine area                           | Plantation has not been carried out as proposed violation is pointed out under Rule 11(1). |                            |         |



**Compliance of Rule 45 (2023-24)**

| S.N | Item  | Comments  |                 |                    | Remarks                                |
|-----|---|---|-----------------|--------------------|--|
| 9a  | Status of submission of monthly and Annual returns  | Submitted   |                 |                    |  |
| 9b  | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager           | Yes   |                 |                    |  |
| 9c  | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Yes   |                 |                    |  |
| 9d  | Scrutiny of Annual return on afforestation  | Reported 300 saplings   |                 |                    | Violation pointed out under Rule 11(1) |
| 9e  | Scrutiny of Annual return on mineral reject generation (Grade & Quantity)                     | Nil   |                 |                    |  |
| 9f  | Scrutiny of Annual return on ROM stock and/or grade ore                                       | 594.371 T stock reported.                                       |                 |                    |  |
| 9g  | Scrutiny of Annual return on sale value, Ex. Mine price & production costs                    | Ex Mine price Reported 320.00/-<br>Sale Value reported 320.00/- |                 |                    |  |
| 9i  | Scrutiny of Annual return on Fixed assets   | Value of Fixed Assets ₹ 5146192/-                               |                 |                    |  |
| 9k  | Scrutiny of Annual return on mining Machineries   | <b>Equipment</b>  | <b>Capacity</b> | <b>No of Units</b> |  |
|     |   | Water tanker  | 5000 Ltr        | 01                 |  |

| S.No | Violation Under Rule | Issued on  | Compliance Received | SCN Issued on | Compliance Received |
|------|----------------------|------------|---------------------|---------------|---------------------|
| 01   | 11(1)                | 20/08/2024 | 04/11/2024          | 08/11/2024    | 14/12/2024          |
| 02   | 31(4)                | 20/08/2024 | 04/11/2024          | 08/11/2024    | 14/12/2024          |
| 03   | 34(A)                | 20/08/2024 | 04/11/2024          | 08/11/2024    | 14/12/2024          |

|    |       |            |            |            |            |
|----|-------|------------|------------|------------|------------|
| 04 | 45(7) | 20/08/2024 | 04/11/2024 | 08/11/2024 | 14/12/2024 |
|----|-------|------------|------------|------------|------------|

**Kathroju Naveen**  
Senior Assistant Controller of Mines