

**MCDR REPORT****General**

| S.N. | Particulars  | Details   |
|------|--|---|
| 1    | Name of the Mine<br>Date of Inspection:<br>Name of Inspecting Officer  | Lalpur Limestone Mine<br>18/07/2024<br>Robert Simon C - Assistant Controller of Mines ,Jabalpur Region,IBM  |
| 2    | Total Lease Area (Ha) with breakup of Non-forest and forest land   | Total Lease Area (Ha.)= 17.471 ha<br>Non Forest Area =17.471 ha<br>Forest Area -0.0 ha  |
| 3    | Mine code  | 38MPR35295  |
| 4    | IBM Registration Number under rule 45 of MCDR,1988   | IBM/11106/2012  |
| 5    | Name of the Lease, Address, Phone, email.  | Shri Kamlendra Singh, 09425172692,<br>Station Road, Katni (M.P.)-483 501<br>E-mail-kamlendraskamlu@gmail.com  |
| 6    | Village  | Lalpur  |
| 7    | Taluka/Mandal  | Raghuraj Nagar  |
| 8    | District   | Satna   |
| 9    | Pin code   | 485001  |
| 10   | State  | Madhya Pradesh  |
| 11   | Post Office  | Satna   |
| 12   | Nearest Police Station   | Satna   |
| 13   | Nearest Railway Station  | Satna   |
| 14   | Date of Grant of Mining Lease  | 24.12.2003  |
| 15   | Date of Execution  | 16.12.2003  |
| 17   | Date of First Renewal, if applicable and its period & expiry   | NA  |
| 18   | Date of Second Renewal, if applicable and its period & expiry  | NA  |
| 19   | Date of submission of renewal application if Mining Operations are continuing under deemed extension                                     | NA  |
| 20   | Name of the Nominated Owner with Address, phone, email, fax number and date of appointment   | Shri Kamlendra Singh; S/o –Shri Virendra Singh, Bardadih Road Mukhtiyar Ganj, Raghuraj Nagar, PO+District - Satna (M.P.);<br>Mo: 9425185701.  |
| 21   | Name of the Mining Engineer, Qualification and total experience with address, phone, email and date of appointment in the mine           | Name -Shri J.L Sharaf, Mining Engineer .) Qualification-Dip (Mining), Second class Managers certificate of Competency<br>Total experience- 35 years. Address: Unchehra Distt, Satna (M.P)<br>Date of appointment in the mine- 25.05.2022. |
| 22   | Name of the Geologist, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine     | Name –Shri Vikas singh<br>Qualification-M.Sc. Geology . Total experience-04 years. Add:Nimi Naibasti Post Babupur satna<br>Date of appointment in the mine- 25.05.2022  |
| 23   | Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.               | Date of Approval of Modified Mine Plan - 28/07/2023;No. E 6701 MCDR-MPCOLST/16/2023-JBP-IBM_RO_JBP<br>Period – 2023-24-23 to 2027-28-25   |
| 24   | Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any. | NA  |
| 25   | Mineral(s) granted in lease and approved for Mining  | Limestone   |
| 26   | Method of Mining (Opencast, Underground)   | Opencast  |
| 27   | Category (Fully Mechanized, Others or Manual)  | Fully Mechanized  |
| 28   | Captive/Non-Captive  | Captive   |

**Exploration**

| S.N. | Item   | Proposals                    | Actual Work                                      | Remarks                             |
|------|--|------------------------------|--|-------------------------------------|
| 1a   | Backlog of previous year   | Nil                          | Nil  |                                     |
| 02   | Exploration over lease area for Geological axis 1 or 2.            | 02 Bore hole                 | 02 bore hole                                     |                                     |
| 1c   | Exploration Agency & Expenditure in Lakh Rupees during the year    | Not specified                | Chaitanya Pradhan Drillers. Expenditure = 1 lakh |                                     |
| 1d   | Balance area to be explored to bring Geological axis in 1 or 2.    | Nil                          | Nil  | Entire lease area explored under G1 |
| 1e   | Balance reserves as on 01.04.2023                                  | Not specified                | 111-2480821 tones                                |                                     |
| 1f   | General remarks of Inspecting officer on geology, exploration etc. | Entire area explored in G-1. |  |                                     |

**Development**

| S.N. | Item   | Proposals   | Actual Work   | Remarks   |
|------|--|---|---|---|
| 2a   | Location of Development w.r.t. lease area  | Development of Quarry 1 0.00 in the north between the coordinates N2724350 - N272430 & E484580 - E484710 and in Quarry 2 in the south between the coordinates N 2723915- N 2724000 & E 484115- E 484185 was proposed. | Development of Quarry 2 was not done.                   | Violation pointed out under rule 11(1).                                       |
| 2b   | Separate benches in topsoil overburden and mineral (Rule 15)                           | Separate benches in overburden and mineral proposed   | Separate benches in overburden and mineral maintained   |   |
| 2c   | Stripping ratio or ore to OB ratio   | 1:0.19  | 1:0.16  |   |
| 2d   | Quantity of topsoil generation in m <sup>3</sup>                                       | Quarry 1-1056<br>Quarry 2-7180  | Quarry 1-1000;<br>Development of Quarry 2 was not done. | Violation pointed out under rule 11(1).                                       |
| 2e   | Quantity of overburden generation in m <sup>3</sup>                                    | 22364 Cum   | 18500   | Development of Quarry 2 was not done. Violation pointed out under rule 11(1). |
| 2f   | General remarks of Inspecting officer on development of pit w.r.t type of deposit etc. | Development of Quarry 2 was not done. Violation pointed out under rule 11(1).   |   |   |

**Exploitation**

| S.N | Item   | Proposals  | Actual Work   |        | Remarks |
|-----|--|--|---|--------|---------|
| 3a  | Number of pits proposed for production   | Quarry 1<br>Quarry 2   | Quarry 1  |        |         |
| 3b  | Quantity of ROM mineral production proposed (2023-24)  | 112295 tones   | 111900 tones  |        |         |
| 3c  | Recovery of Salable/usable mineral from ROM production   | 100 %  | 100%  |        |         |
| 3d  | Quantity of mineral reject generation  | Nil  | Nil   |        |         |
| 3e  | Grade of mineral reject generation and threshold value declared                                      | NA   | NA  |        |         |
| 3f  | Quantity of sub-grade mineral generation   | NA   | NA  |        |         |
| 3g  | Grade of sub-grade mineral generation  | NA   | NA  |        |         |
| 3h  | Manual/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          | NA   | NA  |        |         |
| 3j  | Provision of drilling & blasting in mineral benches  | Yes  | As per proposal   |        |         |
| 3k  | Provision of mining machineries in mineral benches   | Yes  | DUMPER 12.000 TONNE 3 Non Electrical ;FRONT END LOADER 2.000 CUM 1 Non Electrical ;PUMPS (NON-ELEC.) 650.000 L/MN 1 No. |        |         |
| 3l  | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | Yes  | Found suitable  |        |         |
| 3m  | Total area covered under excavation /pits  | 2.19 ha  | 2.19 ha   |        |         |
| 3n  | Ore to OB ratio for the pit/mine during the year   | 1:0.19   | 1:0.16  |        |         |
| 3o  | Total area put in use under different heads at the end of year                                       | 3.13 ha  | 2.3 ha  |        |         |
| 3p  | Production of ROM mineral during last five-years period, as Applicable                               | 2019-20  | 124920  | NA     |         |
|     |  | 2020-21  | 122408  | 22750  |         |
|     |  | 2021-22  | 125000  | 120400 |         |
|     |  | 2022-23  | 124996  | 39800  |         |
|     |  | 2023-24  | 112295  | 111900 |         |
| 3q  | General remarks of inspecting officer on method of mining etc  | Open cast mechanised mine working proposed by using HEMM without deep hole drilling with combination of loaders and tippers. |   |        |         |

**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)     | Separate dumping of Top soil and OB proposed.  | Separate dumping of Top soil and OB maintained. |   |
| 4b          | Location of topsoil, OB & mineral reject dumps                    | It was proposed to maintain waste dump in the northeastern part of the lease between the coordinates N 2724100- N 2724225 & E 484130 - E 484220. | Not done as per proposal's extent.              | Violation pointed out under rule 11(1). |
| 4c          | Number of Dumps within lease area and outside lease area          | 02(Within lease area)  | 02  |   |
| 4d          | Location of Dumps w.r.t. ultimate pit limit (Rule 16)             | Within UPL   | Within UPL                                      |   |
| 4e          | Number of Active & Alive dumps                                    | 02   | 02  |   |
| 4f          | Number of deed dumps  | Nil  | Nil   |   |
| 4g          | Number of dumps established                                       | Nil  | Nil   |   |
| 4h          | Whether Retaining wall or garland drain all along dumps are there | Not proposed   | Garland drain=50m                               |   |
| 4i          | Length of Retaining wall or garland drain all along dump          | Not proposed   | Garland drain=50m                               |   |
| 4j          | Number of settling ponds  | Nil  | Nil   |   |
| 4k          | Specific comments of inspecting officer on waste dump management  | Separate dumping of topsoil & OB were being done within the lease area.  |   |   |

**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 back filling | Nil   | Nil                |   |
| 5b          | Area under back filling of mined out area   | NA  | NA                 | No mined out area is available for backfilling. |
| 5c          | Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)       | NA  | NA                 |   |
| 5d          | Total area fully reclaimed & rehabilitated  | NA  | NA                 |   |
| 5e          | General remarks of inspecting officer on backfilling, reclamation etc                         | No mined out area is available for backfilling & reclamation. |                    |   |

**Progressive Mine Closer Plan**

| 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   | Yes  | Submitted on Time. |         |
| 6b  | Management of worked/mined out benches   |  |                    |         |
|     | i) Area available for rehabilitation (Ha)  | Nil  | Nil                |         |
|     | ii) Afforestation done (ha)  | 0.03   | 0.03               |         |
|     | iii) No.of saplings planted during the year  | 200  | 250                |         |
|     | iv) Cumulative no. of plants   | Not specified  | 510                |         |
|     | v) Any other specific method of rehabilitation   | Nil  | Nil                |         |
|     | vi) Cost incurred on watch & care during the year  | NA   | NA                 |         |
| 6c  | Compliance on reclamation and rehabilitation by backfilling<br>i) Voids available for backfilling (L*B*D)<br>ii) Void filled by waste/tailings<br>iii) Afforestation on the backfilling<br>iv) Rehabilitation by making water reservoir<br>v) Any other specific means | NA   | NA                 |         |
| 6d  | Compliance of Rehabilitation of waste land within lease<br>i) Afforestation<br>ii) Area rehabilitation<br>iii) Method of rehabilitation  | NA   | NA                 |         |
| 6e  | Compliance of Environment monitoring (core zone & buffer zone)   | Periodical Environment monitoring proposed.  | Carried out.       |         |
| 6f  | General remarks of inspecting officer on PMCP compliance & progressive closer operations   | Backfilling, reclamation, and rehabilitation are not currently applicable as there are no mined-out areas available at present. Only plantation proposals are given. |                    |         |

**Mineral Conservation**

| S.N. | Item   | Proposals  | Actual Work          | Remarks |
|------|--|--|----------------------|---------|
| 7a   | ROM mineral dispatch or grade wise sorting within lease area                         | ROM mineral dispatch   | ROM mineral dispatch |         |
| 7b   | Method of grade-wise mineral sorting i.e. manual or mechanical                       | Mechanical   | Mechanical           |         |
| 7c   | Different grade of mineral sort out at mine  | Nil  | Nil                  |         |
| 7d   | Any beneficiation process at mines   | Not proposed   | NA                   |         |
| 7e   | General remarks of inspecting officer on Mineral conservation & beneficiation issues | Beneficiation process not adopted at mines. ROM mineral dispatch being done. |                      |         |

**Environment**

| S.N. | Item  | Proposals  | Actual Work  | Remarks |
|------|---|--|--|---------|
| 8a   | Separate removal and utilization of topsoil (Rule32)  | Separate removal and utilization of topsoil proposed | Separate removal and utilization of topsoil done         |         |
| 8b   | Concurrent use or storage of topsoil  | Plantation   | Plantation   |         |
| 8c   | Separate dumps for overburden waste rock, rejects and fines (Rule 33)                                       | Separate dumps for overburden proposed               | Separate dumps for overburden maintained                 |         |
| 8d   | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use           | Separate dumps for overburden proposed               | Separate dumps for overburden maintained                 |         |
| 8e   | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | NA   | NA   |         |
| 8f   | Baseline information on existence of plantation & additional plantation done (Rule 41)                      | Yes  | 250 saplings   |         |
| 8g   | Survival rate   | -  | 70%  |         |
| 8h   | Water sprinkling on roads to control airborne dust  | Proposed   | Water sprinkling on roads to control airborne dust done. |         |
| 8i   | General remarks of inspecting officer on aesthetic beauty in and around mine area                           | Aesthetic beauty in and around mine area is fair.    |  |         |

Compliance of rule 45

| Sl.N | Item  | Proposals                      | Actual Work  | Remarks                                 |
|------|---|--------------------------------|--|---|
| 9a   | Status of submission of monthly and Annual returns  | Returns are submitted on time. | Returns are submitted on time.   |   |
| 9b   | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager           | Furnished                      | Manager: None<br>Mining Engineer in charge: Jawahar Lal Saraf<br>Geologist in charge : Vikash Singh  | Violation pointed out under rule 45(7). |
| 9c   | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Given                          | (i) Already exploited and abandoned by opencast (O-C) mining 0.000 0.000 0.000<br>(ii) Covered under current (O-C) Workings 0.000 2.190 2.190<br>(iii) Reclaimed-rehabilitated 0.000 0.000 0.000<br>(iv) Used for waste disposal 0.000 0.030 0.030<br>(v) Occupied by plant, buildings, residential, welfare buildings and roads 0.000 0.050 0.050<br>(vi) Used for any other purpose (specify) 0.000 0.000 0.000<br>(vii) Work done under progressive mine closure plan during the year 0.000 0.030 0.030 |   |
| 9d   | Scrutiny of Annual return on afforestation  | Given                          | i) Number of trees planted during the year 150 100<br>ii) Survival rate in percentage 70 80<br>iii) Total no. of trees at the end of the year 510 100  |   |
| 9e   | Scrutiny of Annual return on mineral reject generation (Grade & Quantity)                     | Nil                            | Nil  |   |
| 9f   | Scrutiny of Annual return on ROM stock and/or grade ore                                       | Given                          | Cement grade limestone Opening stock : 84912.416; Production : 111900 Cement Grade<br>Lst.Despatch:158031;<br>Closing stock : 38781.416  |   |
| 9g   | Scrutiny of Annual return on sale value, Ex Mine price & production costs                     | Given                          | Cost of production & Ex mine price –Rs. 297.90   |   |
| 9i   | Scrutiny of Annual return on Fixed assets   | Given                          | The Value of Fixed Asset is mentioned as Rs. 8858577.  |   |
| 9k   | Scrutiny of Annual return on mining Machineries   | Given                          | DUMPER 12.000 TONNE 3 Non Electrical Opencast<br>FRONT END LOADER 2.000 CUM 1 Non Electrical Opencast<br>PUMPS (NON-ELEC.) 650.000<br>L/MN 1 Non Electrical Opencast   |   |

Details of Validations observed during current inspection and compliance position of earlier violation pointed out:-

| <b>Details of violations observed during current inspection and compliance position of violation pointed out</b> |           |               |                     |           |               |
|--|-----------|---------------|---------------------|-----------|---------------|
| Violation observed   |           |               | Show cause position |           |               |
| Rule NO.   | Issued on | Compliance on | Rule NO.            | Issued on | Compliance on |
| Rule NO.   | Issued on | Compliance on | Rule NO.            | Issued on | Compliance on |
| Rule 11 (1)  | 16-OCT-24 | 08-JAN-25     |                     |           |               |
| Rule 33  | 16-OCT-24 | 05-NOV-24     |                     |           |               |
| Rule 45 (7)  | 16-OCT-24 | 08-JAN-25     |                     |           |               |