

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

**Mine code: 38MPR18009**

**General Information**

| S.N. | Particulars  | Details   |
|------|--|---|
| 1    | Name of the Mine   | Amehta Limestone Mine   |
|      | Date of Inspection:  |   |
|      | Name of Inspecting Officer   | Kathroju Naveen, Sr ACOM  |
| 2    | Total Lease Area (Ha) with breakup of Non-forest and forest land                                     | 9.86 ha   |
| 3    | Mine code  | 38MPR18009  |
| 4    | IBM Registration Number under rule 45 of MCDR, 1988  |   |
| 5    | Name of the Lease, Address, Phone, email and fax number  | M/S-S.N.Sunderson & Co.<br>Opposite S-1/56, Sector-1, Dadda Dham,<br>P.O. & District:- Katni (MP) 48500   |
| 6    | Village  | Amehta  |
| 7    | Taluka/Mandal  | Vijayaraghoragh   |
| 8    | District   | Katni   |
| 9    | Pin code   | 483501  |
| 10   | State  | Madhya Pradesh  |
| 11   | Post Office  | Vijayaraghoragh   |
| 12   | Nearest Police Station   | Vijayaraghoragh   |
| 13   | Nearest Railway Station  | Katni   |
| 14   | Date of Grant of Mining Lease  | 31.08.1978  |
| 15   | Date of Execution  | 31.08.1978  |
| 16   | Date of opening of Mine  | Data Not available.   |
| 17   | Date of First Renewal, if applicable and its period & expiry   | 14.09.2007, 31.08.1998 to 30.08.2008  |
| 18   | Date of Second Renewal, if applicable and its period & expiry  | 19.02.2020, 31.08.2008 to 30.08.2028  |
| 19   | Date of submission of renewal application if Mining Operations are continuing under deemed extension | 19.02.2020  |
| 20   | Name of the Nominated Owner with Address, phone, email, fax number and date of appointment           | Shri Riju Jauhar (Managing Partner)<br>M/S-S.N.Sunderson & Co. Opposite S-1/56,<br>Sector-1, Dadda Dham,<br>P.O. & District:- Katni (MP) 485001<br><a href="mailto:riju.jauhar@snsunderson.com">riju.jauhar@snsunderson.com</a> |
| 21   | Name of the Mine Agent with Address, phone, email, fax number and date of appointment                | Ajay Pandey<br>S.N.Sunderson & CO., Opp. S-1/56, Sector-1,<br>Daddadham Katni (M.P.) (9589406417)   |
| 22   | Name of the Mine Manager with Address, phone, email, fax number and date of                          | <b>Name of Mine Manager:</b> Mr. Surendra Nath Tiwari   |

|    |  |   |
|----|--|---|
|    | appointment in mines   | <b>Address:</b> Ward No. 10, Arun Nagar, Anantpur, Huzur, Rewa, Madhya Pradesh - 486002<br><b>Mobile No.</b> 7247727922<br><b>E-mail Id:</b> <a href="mailto:contact.katni@snsunderson.com">contact.katni@snsunderson.com</a><br><b>Date of Appointment:</b> 01.02.2025   |
| 23 | Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine | <b>Name of Mine Manager:</b> Mr. Surendra Nath Tiwari<br><b>Address:</b> Ward No. 10, Arun Nagar, Anantpur, Huzur, Rewa, Madhya Pradesh - 486002<br><b>Mobile No.</b> 7247727922<br><b>E-mail Id:</b> <a href="mailto:contact.katni@snsunderson.com">contact.katni@snsunderson.com</a><br><b>Date of Appointment:</b> 01.02.2025  |
| 24 | Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.            | <b>Name of Geologist:</b> Mr. Atul Pandey<br><b>Qualification:</b> M.Sc (Geology), 01 Year 05 Month<br><b>Address:</b> Flat No. 109 Block 'B' Mittal Enclave, Jhinhari, Katni - 483501 (M.P.)<br><b>Mobile No.</b> 6261407157<br><b>E-mail ID:</b> <a href="mailto:contact.katni@snsunderson.com">contact.katni@snsunderson.com</a><br><b>Date of Appointment:</b> 01.11.2023 |
| 25 | Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.                 | 14.01.2022  |
| 26 | Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.   | NA  |
| 27 | Mineral(s) granted in lease and approved for Mining  | Limestone & Dolomite  |
| 28 | Method of Mining (Opencast, Underground)   | Opencast  |
| 29 | Category (Fully Mechanized, Others or Manual)  | A   |
| 30 | Captive/Non-Captive  | Non Captive   |

### Exploration

| S.N | Item  | Proposals  | Actual Work  | Remarks |
|-----|---|--|--|---------|
| 1a  | Backlog of previous year  | Nil  | Nil  |         |
| 1b  | Exploration over lease area for Geological axis 1 or 2.         | Lease area explored up to G1 level<br>Lease area explored up to G1 level | Lease area explored up to G1 level<br>Lease area explored up to G1 level |         |
| 1c  | Exploration Agency & Expenditure in Lakh Rupees during the year | Not proposed   | Engeo tech consultant  |         |
| 1d  | Balance area to be explored to bring                            | Lease area   | Lease area explored up to  |         |

|    |  |  |          |  |
|----|--|--|----------|--|
|    | Geological axis in 1 or 2.   | explored up to G1 level  | G1 level |  |
| 1e | Balance reserves as on 01.04.2024                                  | 577954   | 890129   |  |
| 1f | General remarks of Inspecting officer on geology, exploration etc. | As per the last approved Mining Plan dated 14.01.2021 the reserves available as on 01/01/2021 were 1067747 T out of which it was proposed to produce 489793 T against which reportedly 177618 T produced thus the reserves available as on 01.04.2024 were 890129 T. |          |  |

### Development

| S.N | Item   | Proposals   | Actual Work                       | Remarks                                   |
|-----|--|---|-----------------------------------|---|
| 2a  | Location of Development w.r.t. lease area  | N 2655841 to N 2655997 E 452853 to E 453130   | Deviation in the proposed working | Violation is pointed out under Rule 11(1) |
| 2b  | Separate benches in topsoil overburden and mineral (Rule 15)                           | Separate benches in topsoil overburden and mineral proposed   | As proposed                       |   |
| 2c  | Stripping ratio or ore to OB ratio   | 1:2.32  |                                   |   |
| 2d  | Quantity of topsoil generation in m <sup>3</sup>                                       | 33300   |                                   |   |
| 2e  | Quantity of overburden generation in m <sup>3</sup>                                    | Not proposed  | Nil                               |   |
| 2f  | General remarks of Inspecting officer on development of pit w.r.t type of deposit etc. | The deviation in the proposed location of working observed against which the violation is pointed out 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 (2023-24)           | 179108 T     | 7550 T      | --      |
| 3c  | Recovery of Salable/usable mineral from ROM production          | 60%          | 60%         | --      |
| 3d  | Quantity of mineral reject generation                           | Not proposed | Nil         | --      |
| 3e  | Grade of mineral reject generation and threshold value declared | Not proposed | Nil         | --      |
| 3f  | Quantity of sub-grade mineral generation                        | Not proposed | Nil         | --      |
| 3g  | Grade of sub-grade mineral generation                           | Not proposed | Nil         | --      |
| 3h  | Manual/Mechanized method adopted for                            | Not proposed | Nil         | --      |

|    |  |   |           |    |
|----|--|---|-----------|----|
|    | segregation from ROM   |   |           |    |
| 3i | Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject          | Not proposed  | Nil       | -- |
| 3j | Provision of drilling & blasting in mineral benches  | Yes   | yes       | -- |
| 3k | Provision of mining machineries in mineral benches   | Yes   | yes       | -- |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | Yes   | yes       | -- |
| 3m | Total area covered under excavation /pits  | 6.14 ha   | 6.207     | -- |
| 3n | Ore to OB ratio for the pit/mine during the year   | 1:2.32  | 1:2.32    | -- |
| 3o | Total area put in use under different heads at the end of year                                       | 7.69  | 7.269     | -- |
| 3p | Production of ROM mineral during last five-years period, as Applicable                               | 2019-20<br>148820 MT  | 0 MT      |    |
|    |  | 2020-21<br>176115 MT  | 0 MT      |    |
|    |  | 2021-22<br>135254 MT  | 59678 MT  |    |
|    |  | 2022-23<br>145420 MT  | 110390 MT |    |
|    |  | 2023-24<br>179108 MT  | 7550 MT   |    |
| 3q | General remarks of inspecting officer on method of mining etc  | All operations of mining such as development, winning of ores, drilling, blasting, loading and transport will be carried out by using HEMM. |           |    |

### **Solid Waste Management-Dumping**

| S.N | Item  | Proposals  | Actual Work         | Remarks |
|-----|---|--|---------------------|---------|
| 4a  | Separate dumping of topsoil, OB & mineral reject (Rule 32,33) | Separate Dumping of On   | As per the proposal |         |
| 4b  | Location of topsoil, OB & mineral reject dumps                | N-2655935- E-452810,N2656025-E452883,N2656022-E453084,N2656056-E453138,N2655950-E452919,N2656015 E453004 | As proposed         |         |
| 4c  | Number of Dumps within lease area and outside lease area      | 02   | 02                  |         |
| 4d  | Location of Dumps w.r.t. ultimate pit limit (Rule 16)         | Within UPL   | Within UPL          |         |

|    |   |  |     |  |
|----|---|--|-----|--|
| 4e | Number of Active & Alive dumps                                    | 0  | 0   |  |
| 4f | Number of dead dumps  | 2  | 2   |  |
| 4g | Number of dumps established                                       | Nil  | Nil |  |
| 4h | Whether Retaining wall or garland drain all along dumps are there | Not proposed   | Nil |  |
| 4i | Length of Retaining wall or garland drain all along dump          | Not proposed   | Nil |  |
| 4j | Number of settling ponds  | 01   | 01  |  |
| 4k | Specific commends of inspecting officer on waste dump management  | Waste quantity has not been generated as proposed against which the violation is pointed out under Rule 11(1). |     |  |

### **Solid Waste Management-Backfilling**

| S.N | Item   | Proposals   | Actual Work         | Remarks |
|-----|--|---|---------------------|---------|
| 5a  | Status on part or full extraction of mineral from mined out area before starting backfilling | After Full extraction the backfilling proposed  | As per the proposal |         |
| 5b  | Area under backfilling of mined out area   | 1.60  | 0.45 ha             |         |
| 5c  | Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)      | Stacking proposed   | As per the proposal |         |
| 5d  | Total area fully reclaimed & rehabilitated   |   |                     | --      |
| 5e  | General remarks of inspecting officer on backfilling, reclamation etc                        | Backfilling has not been carried out as proposed in the last approved document for the reporting year. Against which violation is pointed out 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 23E(2). Details should be given in the format as given in Annexure-20  | To be submitted before 01 july | Submitted   | --      |
| 6b  | Management of worked/mined out benches  |                                |             |         |
|   | i) Area available for rehabilitation (Ha)   | Not proposed                   | NA          | --      |
|   | ii) Afforestation done (ha)   | Not proposed                   | NA          | --      |
|   | No. of saplings planted during the year   | 200                            | Nil         | --      |
|   | Cumulative no. of plants  | 1100                           | 615         | --      |
|   | iii) Any other specific method of rehabilitation  | Not proposed                   | NA          | --      |
| iv) Cost incurred on watch & care during the year | Not proposed  | NA                             | --          |         |
| 6c  | Compliance on reclamation and rehabilitation by backfilling (2023-24)<br>i) Voids available for backfilling (L*B*D)<br>ii) Void filled by waste/tailings<br>iii) Afforestation on the backfilling | Not proposed                   | NA          | --      |

|    |   |  |            |    |
|----|---|--|------------|----|
|    | iv) Rehabilitation by making water reservoir<br>v) Any other specific means   |  |            |    |
| 6d | Compliance of Rehabilitation of waste land within lease<br>i) Afforestation<br>ii) Area rehabilitation<br>iii) Method of rehabilitation | Not proposed   | NA         | -- |
| 6e | Compliance of Environment monitoring (core zone & buffer zone)  | Proposed   | Monitoring | -- |
| 6f | General remarks of inspecting officer on PMCP compliance & progressive closer operations  | Plantation has not been carried out as proposed against which the violation is pointed out under Rule 11(1). |            |    |

### Mineral Conservation

| S.N | Item   | Proposals  | Actual Work         | Remarks |
|-----|--|--|---------------------|---------|
| 7a  | ROM mineral dispatch or grade wise sorting within lease area                         | ROM Dispatch proposed  | As per the proposal | --      |
| 7b  | Method of grade-wise mineral sorting 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 | Mineral beneficiation not proposed the produced ROM is being dispatched. |                     |         |

### Environment

| S.N | Item  | Proposals   | Actual Work   | Remarks |
|-----|---|---|---|---------|
| 8a  | Separate removal and utilization of topsoil (Rule32)  | Proposed  | Utilization of Top Soil.                            | --      |
| 8b  | Concurrent use or storage of topsoil  | Proposed  | As per the proposal                                 | --      |
| 8c  | Separate dumps for overburden waste rock, rejects and fines (Rule 33)                                       | Not Proposed  | Nil   | --      |
| 8d  | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use           | Overburden and waste are proposed for back filling. | Overburden and waste has been used for backfilling. | --      |
| 8e  | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | Proposed  | As per proposal                                     | --      |
| 8f  | Baseline information on existence of plantation & additional plantation done (Rule 41)                      | Proposed 200 saplings inside the lease area.        | Not carried out                                     | --      |
| 8g  | Survival rate   | Not Proposed  | Nil   | --      |

|    |   |  |                               |    |
|----|---|--|-------------------------------|----|
| 8h | Water sprinkling on roads to control airborne dust                                | Proposed   | Water sprinkling carried out. | -- |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mine area | Aesthetic beauty in and around mine area is not as proposed. |                               |    |

### Compliance of Rule 45

| S.N | Item  | Comments   |                |              | Remarks   |    |
|-----|---|--|----------------|--------------|---|----|
| 9a  | Status of submission of monthly and Annual returns  | Monthly Return & Annual Return submitted   |                |              |   |    |
| 9b  | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager           | Mining Engineer - Shri Vinmod Kumar Patel<br>Geologist - Shri Atul Pandey  |                |              | Shri. Surendranath Tiwari appointed on 01.02.2025 |    |
| 9c  | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | (i) Already exploited & abandoned by Opencast (O/C) mining = 2.000 ha.<br>(ii) Covered under current (O/C) Workings = 4.207 ha.<br>(iii) (vii) Work done under progressive mine closure plan during the year: 0.20 ha.<br>(iv) Used for waste disposal: 0.572 ha.<br>(v) Occupied by plant, buildings, residential, welfare buildings & roads : 0.10 ha.<br>(vi) Other Purpose : 0.390 ha. |                |              |   |    |
| 9d  | Scrutiny of Annual return on afforestation  | (i) Number of trees planted during the year 200 nos  |                |              |   |    |
| 9e  | Scrutiny of Annual return on mineral reject generation (Grade & Quantity)                     | NIL  |                |              |   |    |
| 9f  | Scrutiny of Annual return on ROM stock and/or grade ore                                       | Closing Stock as on 31.03.2024 = 66968 mt  |                |              |   |    |
| 9g  | Scrutiny of Annual return on sale value, Ex. Mine price & production costs                    | Sale value: Rs. 475.35<br>Ex mine price Rs. 583.15   |                |              |   |    |
| 9i  | Scrutiny of Annual return on Fixed assets   | Value of Fixed Assets (in ₹) 960805.00   |                |              |   |    |
| 9k  | Scrutiny of Annual return on mining Machineries   | S. N o   | MACHINERY      | CAPACITY     | NO. OF UNITS                                      | -- |
|     |   | 1  | Air Compressor | 8.000 Cum/mn | 1   | -- |
|     |   | 2  | Back Hoe       | 1.200 Cum    | 1   | -- |
|     |   | 3  | Dumper         | 16.000 Tonne | 2   | -- |

|  |  |   |                        |            |   |    |
|--|--|---|------------------------|------------|---|----|
|  |  | 4 | Pump (Non-Elec.)       | 12856 L/MN | 1 | -- |
|  |  | 5 | Rock Drill (Non Elec.) | 32 mm      | 1 | -- |
|  |  | 6 | Water Tanker           | 500 Litre  | 1 | -- |

| S.No | Violation Under Rule | Issued on  | Compliance Received | SCN Issued on | Compliance Received |
|------|----------------------|------------|---------------------|---------------|---------------------|
| 01   | <b>11(1)</b>         | 12/08/2024 | 21/09/2024          | --            | --                  |
| 02   | <b>31(4)</b>         | 12/08/2024 | 21/09/2024          | --            | --                  |
| 02   | <b>45(7)</b>         | 12/08/2024 | --                  | 30/09/2024    | 01/11/2024          |