

**MCDR INSPECTION REPORT**

1/27243/2024

**General:**

| Sl .N o. | Particulars  | Details  |
|----------|--|--|
| 1        | Name of the Mine   | Sahgaon Limestone Mine   |
| 2        | Date of Inspection:  | 25.09.2023   |
| 3        | Name of Inspecting Officer & Designation   | Shri Soumallya Roy, Assistant Mining Engineer                                      |
| 4        | Name of official accompanying inspection   | Dr. Manoj Kumar, Representative from Mine Owner                                    |
| 5        | Last date of Inspection & Officer  | 14.08.2019, Shri R.N.Mishra, SMG   |
| 6        | Total Lease Area (Ha) with breakup of Non-forest and forest land   | Total lease area 1.30 Ha.  |
| 7        | Mine code  | 38CHG05012   |
| 8        | IBM Registration Number under rule 45 of MCDR, 1988/2017   | IBM/9606/2012  |
| 9        | Name of the Lease, Address, Phone, email and fax number  |  |
| 10       | Village  | Sahgaon  |
| 11       | Taluka/Mandal  | Dhamdha  |
| 12       | District   | Durg   |
| 13       | Pin code   | 490036   |
| 14       | State  | Chattisgarh  |
| 15       | Post Office  | Nandini  |
| 16       | Nearest Police Station   | Nandini Nagar  |
| 17       | Nearest Railway Station  | Bhilai   |
| 18       | Date of Grant of Mining Lease  | 29/07/2002 to 28/07/2022 for 20 years  |
| 19       | Date of Execution  | 30/05/2002   |
| 20       | Weekly day of rest   | Sunday   |
| 21       | Date of opening of Mine  | 01/04/2004   |
| 22       | Date of First Renewal, if applicable and its period & expiry   | 07/04/2022 , 29/07/2022 to 28/07/2052  |
| 23       | Date of Second Renewal, if applicable and its period & expiry  | N.A  |
| 24       | Date of submission of renewal application if Mining Operations are continuing under deemed extension                                       | N.A  |
| 25       | Name of the Nominated Owner with Address, phone, email, fax number and date of appointment   | Smt. Ratna Pandey, W/o Shri Rajeev Pandey, MIG 104, PADMNABHPUR, Durg, Chattisgarh |
| 26       | Name of the Mine Agent with Address, phone, email, fax number and date of appointment  | Not appointed.   |
| 27       | Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines   | Not appointed,   |
| 28       | Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine | Not appointed.   |
| 29       | Whether Geologist and Mining Engineer appointment in mines satisfy the rule 55 & carrying out their duties as per provision of             | Not appointed.   |

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|    | MCDR 2017.  |  |
| 30 | Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.  | Mining Plan approved vide letter no. DRG/LST/MPLN-679/NGP dated 08/12/1994, Proposal Period: 2002-03 to 2006-07. Modification of Mining Plan approved vide letter no. DRG/LST/खयो-679/NGP/2016 रायपुर dated 11.08.2016, Proposal Period: 2016-17 to 2018-19. |
| 31 | Date of Approval of <del>Scheme of Mining/Modified Scheme of Mining</del> / Review of Mining plan with five- year period and specific condition in approval letter, if any. | Review of Mining plan approved letter no: Durg /Chup/Khayo/1239/2020/Raipur/93, dated on 25/06/2020, Proposed period 2019- 20 to 2023-24   |
| 32 | Mineral(s) granted in lease and approved for Mining   | Limestone  |
| 33 | Method of Mining (Opencast, Underground)  | Open Cast  |
| 34 | Category (Fully Mechanized, Others or Manual)   | Category B   |
| 35 | Captive/Non-Captive   | Non Captive  |
| 36 | Status of Financial Assurance   | Rs. 5,00,000/- vide BG No. 9302IPEBG200048 dated 27/09/2023 valid upto 31/03/2030  |

**Scientific Mining: Compliance of proposals of approved Mining Plan/Review of Mining Plan:****1.0 Exploration:**

| S. N. | Item   | Proposals (2022-23)   | Actual Work(2022-23)  | Remarks   |
|-------|--|---|---|---|
| 1a    | Backlog of previous year Proposals                                 | Nil   | Nil   | As per approved document entire area covered under G1 area. |
| 1b    | Exploration over lease area for Geological axis 1 or 2.            | G1- 1.30 Ha   | As per approved document.   |   |
| 1c    | Exploration Agency & Expenditure in Lakh Rupees during the year    | Exploration agency- Mr. Arvind Kr. Singh, M/s Siddharth Geo Consultants.              | Nil   |   |
| 1d    | Balance area to be explored to bring Geological axis in 1 or 2.    | Nil   | Nil   |   |
| 1e    | Balance reserves as on 01.04.2023                                  | As per approved Review of Mining Plan Total Mineral Reserve (121 & 122) 120600 Tonnes | Balance reserves as on 01.04.2023: Total Mineral Reserve- 120585 Tonnes |   |
| 1f    | General remarks of Inspecting officer on geology, exploration etc. | As per approved Mining Plan no exploration was proposed during the year.              |   |   |

**2.0 Development:**

| S. N. | Item   | Proposals (2022-23) | Actual Work(2022-23)    | Remarks |
|-------|--|---------------------|-------------------------|---------|
| 2a    | Location of Development w.r.t. lease area                    | 257.2 to 254.6 mRL  | Nil                     |         |
| 2b    | Separate benches in topsoil overburden and mineral (Rule 15) | Proposed            | Separate bench present. |         |
| 2c    | Stripping ratio or ore to OB ratio                           | Nil                 | Nil                     |         |

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|    |  |   |     |  |
|----|--|---|-----|--|
| 2d | Quantity of topsoil generation in m3   | Nil   | Nil |  |
| 2e | Quantity of overburden generation in m3  | Nil   | Nil |  |
| 2f | General remarks of Inspecting officer on development of pit w.r.t type of deposit etc. | No production reported during the year. Mine was suspended from 05.09.2018. |     |  |

**3.0 Exploitation:**

| S. N. | Item  | Proposals (2022-23) | Actual Work (2022-23) | Remarks   |
|-------|---|---------------------|-----------------------|---|
| 3a    | Number of pits proposed for production                  | 01 Pit              | Nil                   |   |
| 3b    | Quantity of ROM mineral production proposed             | 9000 T              | Nil                   |   |
| 3c    | Recovery of Salable/usable mineral from ROM production. | 95%                 | Nil                   |   |
| 3d    | Quantity of mineral reject generation.                  | 450 T               | Nil                   | There is no mineral reject generated during the year. Mine was suspended from 05.09.2018. |

|    |  |  |                 |                                     |
|----|--|--|-----------------|-------------------------------------|
| 3e | Grade of mineral reject generation and threshold value declared.                                     | Not mentioned in the approved document                                 | Nil             |                                     |
| 3f | Quantity of sub-grade mineral generation   | Nil  | Nil             |                                     |
| 3g | Grade of sub-grade mineral generation.   | Nil  | Nil             |                                     |
| 3h | Manual/Mechanized method adopted for segregation from ROM.   | No Proposal  | Nil             |                                     |
| 3i | Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject.         | Not proposed   | Not applicable  | Mine was suspended from 05.09.2018. |
| 3j | Provision of drilling & blasting in mineral benches.   | Drilling and blasting proposed.  | Nil             |                                     |
| 3k | Provision of mining machineries in mineral benches   | Jack hammer alongwith compressor for drilling and subsequent drilling. | Nil             |                                     |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | Topsoil: NIL OB/<br>Waste: NIL Ore/<br>Mineral: 2 mt                   | Nil             | Mine was suspended from 05.09.2018. |
| 3  | Total area covered under   | 0.873. Ha. under   | Approx 0.83 Ha. |                                     |

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|    |  |  |                                     |  |
|----|--|--|-------------------------------------|--|
| m  | excavation /pits   | mining up to the end of plan period.   | covered under pits.                 |  |
| 3n | Ore to OB ratio for the pit/mine during the year                               | Nil  | Nil                                 | Mine was suspended from 05.09.2018.  |
| 3o | Total area put in use under different heads at the end of year                 | 0.8959 Ha. up to end of plan period covered under pit  | Approx 0.83 Ha. covered under pits. | Mine was suspended from 05.09.2018.  |
| 3p | Production of ROM mineral during last five-years period, as Applicable (tonne) | Nil (2018-19)  | Nil (2018-19)                       | Mine was suspended from 05.09.2018. A letter was issued to the State, DGM, Chattisgarh for not issue any transit permit/ dispatch permission till the revocation of the suspension order by this office. |
|    |  | Nil (2019-20)  | Nil (2019-20)                       |  |
|    |  | 9000 T (2020-21)   | Nil (2020-21)                       |  |
|    |  | 9000 T (2021-22)   | 319 T (2021-22)                     |  |
|    |  | 9000 T (2022-23)   | 562 T (2022-23)                     |  |
| 3q | General remarks of inspecting officer on method of mining etc                  | There is no top soil /OB/mineral reject generated during the year. Mine was suspended from 05.09.2018. |                                     |  |

**4.0 Solid Waste Management-Dumping:**

| S. N. | Item  | Proposals (2022-23)                                    | Actual Work (2022-23) | Remarks   |
|-------|---|--|-----------------------|---|
| 4a    | Separate dumping of topsoil, OB & mineral reject (Rule 32,33) | No Proposal  | Nil                   | There is no top soil/ OB/ Mineral reject generated during the year. Mine was suspended from 05.09.2018. |
| 4b    | Location of topsoil, OB & mineral reject dumps                | Directly used for plantation, no proposal for stacking | Nil                   |   |

|    |   |  |     |  |
|----|---|--|-----|--|
| 4c | Number of Dumps within lease area and outside lease area          | No Proposal  | Nil |  |
| 4d | Location of Dumps w.r.t. ultimate pit limit (Rule 16)             | No Proposal  | Nil |  |
| 4e | Number of Active & Alive dumps                                    | No Proposal  | Nil |  |
| 4f | Number of dead dumps  | No Proposal  | Nil |  |
| 4g | Number of dumps established                                       | No Proposal  | Nil |  |
| 4h | Whether Retaining wall or garland drain all along dumps are there | No Proposal  | Nil |  |
| 4i | Length of Retaining wall or garland drain all along dump          | No Proposal  | Nil |  |
| 4j | Number of settling ponds  | Not proposed   | Nil |  |
| 4k | Specific comments of inspecting officer on waste dump management  | There is no top soil/ OB/ Mineral reject generated during the year. Mine was suspended from 05.09.2018 by this office. |     |  |

**5.0 Solid Waste Management-Backfilling:**

| S. N. | Item   | Proposals (2022-23)   | Actual Work (2022-23) | Remarks   |
|-------|--|---|-----------------------|---|
| 5a    | Status on part or full extraction of mineral from mined out area before starting backfilling | Not proposed  | Nil                   | There is no top soil and OB generation. Area is not matured for reclamation and rehabilitation. No area is mined out. |
| 5b    | Area under backfilling of mined out area   | Not proposed  | Nil                   |   |
| 5c    | Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)      | Not proposed  | Nil                   |   |
| 5d    | Total area fully reclaimed & rehabilitated   | Not proposed  | Nil                   |   |
| 5e    | General remarks of inspecting officer on backfilling, reclamation etc.                       | No proposal for backfilling and reclamation during the year and the area is not matured for backfilling. Mine was suspended from 05.09.2018 by this office. |                       |   |

**6.0 Progressive Mine Closer Plan:**

| S. N. | Item  | Proposals (2022-23)            | Actual Work(2022-23)                      | Remarks   |
|-------|---|--------------------------------|---|---|
| 6a    | Whether Annual report on PMCP submitted on time and correctly-Rule 26 (2) | As per provision of MCDR 2017. | The annual report on PMCP is t submitted. |   |
| 6b    | Management of worked/mined out benches                                    | Not proposed                   | Nil                                       | No area is mined out. Mine was suspended from 05.09.2018 by this office |
|       | Area available for rehabilitation (Ha)                                    | Not proposed                   | Nil                                       |   |
|       | Afforestation done (ha)   | 0.1120 ha                      | Approx 0.1120 ha                          |   |
|       | No. of saplings planted during the year                                   | 400 nos                        | Approx 400 nos                            |   |
|       | Cumulative no. of plants  | Not envisaged in               | Nil                                       |   |

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|    |   |  |                       |   |
|----|---|--|-----------------------|---|
|    |   | the approved document.   |                       |   |
|    | Any other specific method of rehabilitation   | Not proposed   | Nil                   |   |
|    | Cost incurred on watch & care during the year   | Not specified.   | 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<br>Any other specific means | Rehabilitation by making water reservoir- 0.26 Ha.   | No area is mined out. | No area is matured for backfilling. Mine was suspended from 05.09.2018 by this office |
| 6d | Compliance of Rehabilitation of waste land within lease<br>i. Afforestation<br>ii. Area rehabilitation (ha)<br>iii. Method of rehabilitation  | Not proposed   | Nil                   |   |
| 6e | Compliance of Environment monitoring (core zone & buffer zone)  | Not specified.   | Nil                   |   |
| 6f | General remarks of inspecting officer on PMCP compliance & progressive closer operations  | There is no top soil and OB generation. Mine was suspended from 05.09.2018 by this office. |                       |   |

**7.0 Mineral Conservation:**

| S. N. | Item   | Proposals (2022-23)   | Actual Work (2022-23) | Remarks |
|-------|--|---|-----------------------|---------|
| 7a    | ROM mineral dispatch or grade wise sorting within lease area                         | ROM Mineral dispatch to the buyer after sizing with the help of local labour by hammer. | Nil.                  |         |
| 7b    | Method of grade-wise mineral sorting i.e. manual or mechanical                       | Not envisaged in the approved document.   | Nil                   |         |
| 7c    | Different grade of mineral sort out at mine  | Not Proposed  | Nil                   |         |
| 7d    | Any beneficiation process at mines   | Not Proposed  | NA                    |         |
| 7e    | General remarks of inspecting officer on Mineral conservation & beneficiation issues | Mine was suspended from 05.09.2018 by this office.                                      |                       |         |

**8.0 Environment:**

| S. N. | Item | Proposals (2022-23) | Actual Work (2022-23) | Remarks |
|-------|------|---------------------|-----------------------|---------|
|-------|------|---------------------|-----------------------|---------|

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|     |   |  |                            |  |
|-----|---|--|----------------------------|--|
| 8a. | Separate removal and utilization of topsoil (Rule32)  | Used for plantation, no proposal for stacking  | Nil generation of topsoil. |  |
| 8b. | Concurrent use or storage of topsoil  | No proposal for stacking   | Nil generation of topsoil. |  |
| 8c. | Separate dumps for overburden waste rock, rejects and fines (Rule 33)                                       | Nil  | Nil                        |  |
| 8d. | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use           | Nil  | Nil                        |  |
| 8e. | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | Nil  | Nil                        |  |
| 8f. | Baseline information on existence of plantation & additional plantation done (Rule 41)                      | Nil  | Nil                        |  |
| 8g. | Survival rate   | Not proposed   | Nil                        |  |
| 8h. | Water sprinkling on roads to control airborne dust  | proposed   | Observed.                  |  |
| 8i. | General remarks of inspecting officer on aesthetic beauty in and around mine area                           | There is no top soil and OB generation. Mine was suspended from 05.09.2018 by this office. |                            |  |

**9.0 Compliance of Rule 45:**

| SN | Item  | Comments   |   | Remarks  |
|----|---|--|---|--|
| 9a | Status of submission of monthly and Annual returns  | MR submitted upto August 2023.<br>AR submitted for 2022-23.  |   | AR & MR submitted regularly.                       |
| SN | Item  | Details Given in A.R.  | Observation of I/Officer  |  |
| 9a | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager           | Mining Engineer: Not appointed.<br>Geologist: Not appointed. | During inspection the Mining Engineer and Geologist were not present. | Mine was suspended from 05.09.2018 by this office. |
| 9b | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Pit- 0.83 ha   | Appears to be correct.  |  |
| 9c | Scrutiny of Annual return on afforestation  | Nil  | Mentioned in AR.  |  |
| 9d | Scrutiny of Annual return on mineral reject generation (Grade & Quantity)                     | No mineral reject has been generated during F.Y. 2022-23     | Nil   |  |
| 9e | Scrutiny of Annual return on  | Closing-   | ROM closing   |  |

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|    |  |   |                               |  |
|----|--|---|-------------------------------|--|
|    | ROM stock and/or grade ore   | 1833.180                                    | stock approx.<br>- 1833.180 t |  |
| 9f | Scrutiny of Annual return on sale value, Ex. Mine price & production costs | 15 T mineral dispatch in the financial year | Report as per Annual Return.  |  |
| 9g | Scrutiny of Annual return on mining Machineries                            | Nil   | No machinery observed.        |  |

**10. Details of violations observed during inspection-**

No violation is observed during inspection. Mines already suspended on 05.09.2018 and till date suspension order was not revoked by this office.

A letter was issued to the State, DGM, Chattisgarh for not issue any transit permit/ dispatch permission till the revocation of the suspension order by this office.

Date:

Signature:

Name: (S. Roy)

Designation: AME