

I/34466/2024

General

| S.N. | Particulars | Details |
|------|--|---|
| 1 | Name of the Mine Date of Inspection: Name of Inspecting Officer | Kachhgawan Limestone Mine 8.30 Hect 27-04-2024 Shri Abhishek Ranjan Gautam (Assistant Mining Engineer) |
| 2 | Total Lease Area (Ha) with breakup of non-forest and forest land | Forest Land – 0.00 Hect Non-Forest Land - 8.30 Hect |
| 3 | Mine code | 38MPR18041 |
| 4 | IBM Registration Number under rule 45 of MCDR,1988 | IBM/744/2011 |
| 5 | Last Inspection details | Last Inspection – 30/06/2023 by Shri R Simon C, ACOM Rule Violated – 11(1), 26(2), 31(4), 33 & 45(7) Compliance – 12/12/2023 |
| 6 | Mine official present during the inspection | Shri Manoj Kumar Roy (Mines) |
| 7 | Name of the Lease, Address, Phone, email and fax number | Madan Lal Grover Address- B.D. Agrawal Ward No 25, Civil Line Katni (M.P.) -483501 Email- ranjan_grover4@yahoo.com Mob No- 97524-88888, |
| 8 | Village | Kachhgawan |
| 9 | Taluka/Mandal | Katni |
| 10 | District | Katni |
| 11 | Pin code | 483501 |
| 12 | State | M.P. |
| 13 | Post Office | Kachhgawan |
| 14 | Nearest Police Station | Kuthla Katni |
| 15 | Nearest Railway Station | Jhukehi |
| 16 | Date of Grant of Mining Lease | 30-11-1981 |
| 17 | Date of Execution | 04-05-1982 |
| 18 | Date of opening of Mine | 04-05-1982 |
| 19 | Date of First Renewal, if applicable and its period & expiry | 04-05-2002 to 03-05-2022 (20 Years) |
| 20 | Date of Second Renewal, if applicable and its period & expiry | 04-05-2022 to 03-05-2032 (10 year) |
| 21 | Date of submission of renewal application if Mining Operations are continuing under deemed extension | - |
| 22 | Name of the Nominated Owner with Address, phone, email, fax number and date of appointment | Shri Madan Lal Grover Address- B.D. Agrawal Ward No 25, Civil Line Katni (M.P.) -483501 Email- ranjan_grover4@yahoo.com Mob No- 97524-88888, |
| 23 | Name of the Mine Agent with Address, phone, email, fax number and date of appointment | - |
| 24 | Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines | Shri Ram Bihari Bagri Address- Satna (M.P.) -483501 Email- ranjan_grover4@yahoo.com Mob No- 87703-70292 |
| 25 | Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine | Shri Ram Bihari Bagri Address- Satna (M.P.) -483501 Email- ranjan_grover4@yahoo.com Mob No- 87703-70292 |
| 26 | Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44. | Shri Arvind Tamrkar |
| 27 | Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any. | MP/Katni/Limestone/RMP-25/2022-23/2347 DTED 16-08-2022 |
| 28 | Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any. | - |
| 29 | Mineral(s) granted in lease and approved for Mining | Limestone |

| | | |
|----|---|-----------------|
| 30 | Method of Mining (Open cast, Underground) | Open cast |
| 31 | Category (Fully Mechanized, Others or Manual) | Semi Mechanized |
| 32 | Captive/non-captive | Non-Captive |

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Exploration

| S.N. | Item | Proposals | Actual Work | Remarks |
|------|--|---|--|--|
| 1a | Backlog of previous year | 08 (200 Mtrs 4 Core B.H. 40 Mtrs 4 DTH B.H.) | Nil | Violation pointed out under rule 11(1) |
| 1b | Exploration over lease area for Geological axis 1 or 2. | Lease area to be explored up to g1 level | G2- 6.07 ha, To be explored 2.23 ha | |
| 1c | Exploration Agency & Expenditure in Lakh Rupees during the year | BSS LAB Rs 190520/- | Nil | |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2. | Lease area to be explored up to g1 level | G2- 6.07 ha, To be explored 2.23 ha | |
| 1e | Balance reserves as on 01.04.2024 | 1.297Million | - | |
| 1f | General remarks of Inspecting officer on geology, exploration etc. | Violation pointed out under rule 11(1). | | |

Development

| S.N. | Item | Proposals | Actual Work | Remarks |
|------|--|---|---|---|
| 2a | Location of Development w.r.t. lease area | Towards North & South | As per proposal | |
| 2b | Separate benches in topsoil overburden and mineral (Rule 15) | 1 Benches Topsoil 1 Benches OB 3 Benches Minerals | 1 Benches Topsoil 1 Benches OB 3 Benches Minerals | Bench parameter not found as per proposal. Violation pointed out. |
| 2c | Stripping ratio or ore to OB ratio | 1:0:35 | 1:0:40 | |
| 2d | Quantity of topsoil generation in m ³ | 9477 CUM | 9510 CUM | |
| 2e | Quantity of overburden generation in m ³ | 8248 CUM | 8360 CUM | |
| 2f | General remarks of Inspecting officer on development of pit w.r.t type of deposit etc. | Bench parameter not found as per proposal. Violation pointed out. | | |

Exploitation

| S.N. | Item | Proposals | Actual Work | Remarks |
|------|--|-----------------|-----------------|---------|
| 3a | Number of pits proposed for production | 2 | 1 | |
| 3b | Quantity of ROM mineral production proposed (2023-24) | 49995 MT | 49950.015 MT | |
| 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 | NIL | 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 | Semi Mechanized | Semi Mechanized | |
| 3i | Any analysis or beneficiation study proposed & carried out for sub-grade | Not proposed | Not applicable | |

| | | | | |
|----|--|---|---|-----------|
| | mineral and reject | | | |
| 3j | Provision of drilling & blasting in mineral benches | 37mm to 110 mm | 110 mm | |
| 3k | Provision of mining machineries in mineral benches | L & T PC 200 (1.2 CUM) 210 HP | L & T PC 200 (1.2 CUM) 210 HP | |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | OB 6 Mtrs Minerals 6 Mtrs | Bench parameter not found as per proposal. Violation pointed out. | |
| 3m | Total area covered under excavation /pits | 4.59 | 4.60 | |
| 3n | Ore to OB ratio for the pit/mine during the year | 1:0:35 | 1:0:40 | |
| 3o | Total area put in use under different heads at the end of year | 7.58 | 7.45 | |
| 3p | Production of ROM mineral during last five-years period, as Applicable | 2019-20 | 50040 | 49930 |
| | | 2020-21 | 50040 | 49757.160 |
| | | 2021-22 | 50600 | 49930 |
| | | 2022-23 | 49993 | 49950 |
| | | 2023-24 | 49995 | 49950.015 |
| 3q | General remarks of inspecting officer on method of mining etc | Bench parameter not found as per proposal. Violation pointed out. | | |

Solid Waste Management-Dumping

| S.N. | Item | Proposals | Actual Work | Remarks |
|------|---|--|---|---------|
| 4a | Separate dumping of topsoil, OB & mineral reject (Rule 32,33) | Separate generation of top soil and OB proposed. In place of separate dumping simultaneous utilization of both proposed. | As per approved proposal OB utilised for backfilling followed by topping by generated top soil from the mine. | |
| 4b | Location of topsoil, OB & mineral reject dumps | North East | North East | |
| 4c | Number of Dumps within lease area and outside lease area | 1 | 1 | |
| 4d | Location of Dumps w.r.t. ultimate pit limit (Rule 16) | Within UPL | Within UPL | |
| 4e | Number of Active & Alive dumps | 1 | 1 | |
| 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 | Yes | Yes | |
| 4i | Length of Retaining wall or garland drain all along dump | Yes | Not specified | |
| 4j | Number of settling ponds | Nil | Nil | |
| 4k | Specific commends of inspecting officer on waste dump management | Waste dump management was carried out in line with the approved mining plan. | | |

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 | Full extraction of mineral from mined out area before starting backfilling proposed. | Full extraction of mineral from mined out area before starting backfilling adopted. | |
| 5b | Area under backfilling of mined out area | 0.09 ha | 0.09 ha | |
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32) | Used for Plantation | Used for Plantation | |
| 5d | Total area fully reclaimed & rehabilitated | Nil | Nil | |
| 5e | General remarks of inspecting officer on backfilling, reclamation etc | Backfilling work carried out as per proposal. | | |

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 1st July of every year | Yes, submitted within time limit as per the provisions of Rule 26 of MCDR,2017 | |
| 6b | Management of worked/mined out benches | | | |
| | i) Area available for rehabilitation (Ha) | - | - | |
| | ii) Afforestation done (ha) | 0.10 | 0.10 | |
| | iii) No.of saplings planted during the year | 100 | 110 | |
| | iv) Cumulative no. of plants | 260 | 260 | |
| | v) Any other specific method of rehabilitation | - | - | |
| | vi) Cost incurred on watch & care during the year | - | - | |
| 6c | Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L*B*D) ii) Void filled by waste/tailings iii) Afforestation on the backfilling iv) Rehabilitation by making water reservoir v) Any other specific means | As Per Prapossal | As Per Prapossal | |
| 6d | Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation | - | - | |

| | | | | |
|----|--|--|-----------------------------------|--|
| 6e | Compliance of Environment monitoring (core zone & buffer zone) | Periodical Air, Water, Noise monitoring Proposed | Carried out as per the Proposals. | |
| 6f | General remarks of inspecting officer on PMCP compliance & progressive closer operations | Periodic monitoring is being carried out by outsourced consultant. | | |

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Mineral Conservation

| S.N. | Item | Proposals | Actual Work | Remarks |
|------|--|---|-----------------|---------|
| 7a | ROM mineral dispatch or grade wise sorting within lease area | 49995 | 49950.015 | |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical | Semi Mechanized | Semi Mechanized | |
| 7c | Different grade of mineral sort out at mine | NA | NA | |
| 7d | Any beneficiation process at mines | NA | NA | |
| 7e | General remarks of inspecting officer on Mineral conservation & beneficiation issues | There is no mineral rejects/subgrade generation | | |

Environment

| S.N. | Item | Proposals | Actual Work | Remarks |
|------|---|--|--|---------|
| 8a | Separate removal and utilization of topsoil (Rule 32) | As Per Proposal | As Per Proposal | |
| 8b | Concurrent use or storage of topsoil | As Per Proposal | As Per Proposal | |
| 8c | Separate dumps for overburden waste rock, rejects and fines (Rule 33) | As Per Proposal | As Per Proposal | |
| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | As Per Proposal | As Per Proposal | |
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | As Per Proposal | As Per Proposal | |
| 8f | Baseline information on existence of plantation & additional plantation done (Rule 41) | 100 | 100 | |
| 8g | Survival rate | 80% | 80% | |
| 8h | Water sprinkling on roads to control airborne dust | Water sprinkling is proposed by water tanker | Regular water sprinkling is done on approach road using water tanker to control airborne dust. | |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mine area | Aesthetic beauty is degraded due to mining. | | |

Compliance of Rule 45

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| S.N. | Item | Comments | Remarks |
|------|---|--|---------|
| 9a | Status of submission of monthly and Annual returns | MR of April - 2024 and AR of 2022-23 has been submitted | |
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | Name of the Mining Engineer: Shri Ram Bihari Bagri Geologist: Shri Arvind Tamrakar | |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Working pits area-4.60 Ha, Total – 7.45Ha | |
| 9d | Scrutiny of Annual return on Afforestation | Plantation done as proposed | |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade & Quantity) | No mineral rejects generated during the year | |
| 9f | Scrutiny of Annual return on ROM stock and/or grade ore | AR not submitted | |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price & production costs | AR not submitted | |
| 9i | Scrutiny of Annual return on Fixed assets | Nil | |
| 9k | Scrutiny of Annual return on mining Machineries | L & T PC 200 (1.2 CUM) 210 HP | |

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

Rule – 11(1) of MCDR 2017 dated 17/05/2024

Rule – 31(4) of MCDR 2017 dated 17/05/2024

Date:

Name: Abhishek Ranjan Gautam

Designation: Assistant Mining Engineer