

INSPECTION DATASHEET For The Year 2022-23**General**

| S.N. | Particulars | Details |
|------|--|---|
| 1 | Name of the Mine | Pondi Limestone/Dolomite Mine |
| | Date of Inspection: | 13.09.2023 |
| | Name of Inspecting Officer | Sh. Abhishek Ranjan Gautam |
| 2 | Total Lease Area (Ha) with breakup of Non-forest and forest land | 4.76 Hect. Non forest Land. |
| 3 | Mine code | 38MPR18121 |
| 4 | IBM Registration Number under rule 45 of MCDR,1988 | IBM/614/2011 |
| 5 | Last Inspection Details | Inspecting officer – Shri Robert Simon C, ACOM Date of Inspection – 15/12/2022 Rule 26(2), 31(4), 45(7) Compliance date 22/06/2023 |
| 6 | Mine official present during the inspection | Shri Ajay Pandey, Mine Agent |
| 7 | Name of the Lease, Address, Phone, email and fax number | Pondi Limestone/Dolomite Mine |
| 8 | Village | Pondi |
| 9 | Taluka/Mandal | Sleemnabad |
| 10 | District | Katni |
| 11 | Pin code | 483442 |
| 12 | State | Madhya Pradesh |
| 13 | Post Office | Bichua |
| 14 | Nearest Police Station | Sleemnabad |
| 15 | Nearest Railway Station | Niwar |
| 16 | Date of Grant of Mining Lease | 20.10.1995 |
| 17 | Date of Execution | 20.10.1995 |
| 18 | Date of opening of Mine | 20.10.1995 |
| 19 | Date of First Renewal, if applicable and its period & expiry | N.A. |
| 20 | Date of Second Renewal, if applicable and its period & expiry | N.A. |
| 21 | Date of submission of renewal application if Mining Operations are continuing under deemed extension | N.A. |
| 22 | Name of the Nominated Owner with Address, phone, email, fax number and date of appointment | Sh. Riju Jauhar, S.N. Sunderson & Co., 1, Deshbandhu Gupta Road, New Delhi-110055 |
| 23 | Name of the Mine Agent with Address, phone, email, fax number and date of appointment | Ajay Pandey, S.N. Sunderson & Co, Daddadha Katni (M.P.), 26.05.2012 |
| 24 | Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines | Abhay Chaudhary, P-104, Bagmugaliya, Bhopal (M.P.) (7999060832) 19.08.2023 |
| 25 | Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine | Abhay Chaudhary, B.E. Mining, 15 Years,P-104, Bagmugaliya, Bhopal (M.P.), 7999060832, 19.08.2023 |

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| 26 | Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44. | Yes |
| 27 | Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any. | 24.09.2020 |
| 28 | Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any. | N.A. |
| 29 | Mineral(s) granted in lease and approved for Mining | Limestone & Dolomite |
| 30 | Method of Mining (Opencast, Underground) | Opencast |
| 31 | Category (Fully Mechanized, Others or Manual) | A, Opencast others |
| 32 | Captive/Non-Captive | Non captive |

Exploration

| S.N. | Item | Proposals | Actual Work | Remarks |
|------|--|---|--|---------|
| 1a | Backlog of previous year | 4 | 4 | |
| 1b | Exploration over lease area for Geological axis 1 or 2. | Lease area explored up to G1 level | Lease area explored up to G1 level | |
| 1c | Exploration Agency & Expenditure in Lakh Rupees during the year | Engiotech Consultant Rs.368160+179950= Rs. 548110 | Engiotech Consultant Rs.368160+179950=Rs. 548110 | |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2. | Lease area explored up to G1 level | Lease area explored up to G1 level | |
| 1e | Balance reserves as on 01.04.2023 | 646199 | 646199 | |
| 1f | General remarks of Inspecting officer on geology, exploration etc. | Limestone / Dolomite deposit of the lease area belongs to Mahakoshal group and this is a metamorphic deposit. These rocks are structurally undisturbed. The litho logical succession w.r.to. local litho-units being encountered based on the exposure in the quarry and bore hole. | | |

Development

| S.N. | Item | Proposals | Actual Work | Remarks |
|------|--|---|---|---------|
| 2a | Location of Development w.r.t. lease area | Pit 1, Towards, North & South | Pit 1, Towards, North & South | |
| 2b | Separate benches in topsoil overburden and mineral (Rule 15) | Separate benches in topsoil overburden and mineral proposed | Separate benches in topsoil overburden and mineral adopted. | |
| 2c | Stripping ratio or ore to OB ratio | 1:0.46 | 1:0.46 | |
| 2d | Quantity of topsoil generation in m ³ | 2877 | 2800 | |
| 2e | Quantity of overburden generation in m ³ | 4998 | 4900 | |
| 2f | General remarks of Inspecting officer on development of pit w.r.t type of deposit etc. | Bench height and width is found maintained as per proposal. Development done as per proposal. | | |

Exploitation

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| S.N. | Item | Proposals | Actual Work | Remarks | |
|------|--|--|---------------------------|----------|--|
| 3a | Number of pits proposed for production | 1 | 1 | | |
| 3b | Quantity of ROM mineral production proposed (2022-23) | 49972 | 49963.76 | | |
| 3c | Recovery of Salable/usable mineral from ROM production | 80% | 80% | | |
| 3d | Quantity of mineral reject generation | NA | NA | | |
| 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 Proposed | Mechanized method adopted | | |
| 3i | Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject | NO | NO | | |
| 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 | 1.60 | 1.60 | | |
| 3n | Ore to OB ratio for the pit/mine during the year | 1:0.46 | 1:0.46 | | |
| 3o | Total area put in use under different heads at the end of year | 2.92 | 2.92 | | |
| 3p | Production of ROM mineral during last five-years period, as Applicable | 2018-19 | 45435 | 0 | |
| | | 2019-20 | 36378 | 0 | |
| | | 2020-21 | 46930 | 0 | |
| | | 2021-22 | 49654 | 49629 | |
| | | 2022-23 | 49972 | 49963.76 | |
| 3q | General remarks of inspecting officer on method of mining etc | Open cast mechanised mine working proposed by using Excavator/JCB & dumper combination with shallow drilling & blasting using jack hammer. | | | |

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 topsoil, OB proposed | Separate dumping of topsoil, OB maintained | |

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|----|---|---|---------------------------------------|--|
| 4b | Location of topsoil, OB & mineral reject dumps | N-2617500 E-440700 N-2617600 E-440800 | N-2617500 E-440700 N-2617600 E-440800 | |
| 4c | Number of Dumps within lease area and outside lease area | 02 within lease | 02 within lease | |
| 4d | Location of Dumps w.r.t. ultimate pit limit (Rule 16) | within UPL | within UPL | |
| 4e | Number of Active & Alive dumps | 2 | 2 | |
| 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 | Garland Drain 250 x2x1m. | |
| 4i | Length of Retaining wall or garland drain all along dump | Garland Drain 250 x2x1m. | Garland Drain 250 x2x1m. | |
| 4j | Number of settling ponds | Not proposed | Not applicable | |
| 4k | Specific commends of inspecting officer on waste dump management | Separate dumping of topsoil & OB were being maintained within the lease area. | | |

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 | Nil | Nil | |
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32) | Stacking | Stacking | |
| 5d | Total area fully reclaimed & rehabilitated | Nil | Nil | |
| 5e | General remarks of inspecting officer on backfilling, reclamation etc | Proposed backfilling in 7.5 meter barrier zone has not been done, hence violation pointed out | | |

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 | | | |

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|----|--|--|----------------------------------|--|
| | i) Area available for rehabilitation (Ha) | Not proposed | Not applicable | |
| | ii) Afforestation done (ha) | Not proposed | Not applicable | |
| | iii) No.of saplings planted during the year | 150 | 10 | Violation pointed out |
| | iv) Cumulative no. of plants | 255 | 255 | |
| | v) Any other specific method of rehabilitation | Not proposed | Not applicable | |
| | vi) Cost incurred on watch & care during the year | Not proposed | Not applicable | |
| 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 | Not proposed | Not applicable | Backfilling proposed in 7.5 mtr barrier zone |
| 6d | Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation | Not proposed | Not applicable | |
| 6e | Compliance of Environment monitoring (core zone & buffer zone) | Periodical Air, Water, Noise monitoring Proposed | Carried out as per the proposals | Analysis reports were provided |
| 6f | General remarks of inspecting officer on PMCP compliance & progressive closer operations | Presently scope of backfilling/reclamation & rehabilitation doesn't exist and no proposals are given. Periodic monitoring is being carried out by outsourced consultant. | | |

Mineral Conservation

| S.N. | Item | Proposals | Actual Work | Remarks |
|------|--|--|---|---------|
| 7a | ROM mineral dispatch or grade wise sorting within lease area | ROM mineral dispatch proposed | ROM mineral dispatch done | |
| 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 | Beneficiation process not adopted at mines. | |
| 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 | | | |
|------|---|---|---|--|
| 8a | Separate removal and utilization of topsoil (Rule32) | Separate removal and stacking of topsoil proposed | Separate removal and stacking of topsoil done | |
| 8b | Concurrent use or storage of topsoil | stacking proposed | stacking done | |
| 8c | Separate dumps for overburden waste rock, rejects and fines (Rule 33) | Proposed | As per proposal. | |
| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | proposed | As per proposal. | |
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | Reclamation proposed | As per proposal. | |
| 8f | Baseline information on existence of plantation & additional plantation done (Rule 41) | proposed | The tree types within lease are of Mango, karanj, Su Babul, Neem. | Plantation not done, violation pointed out |

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|----|---|--|--|--|
| 8g | Survival rate | NA | NA | |
| 8h | Water sprinkling on roads to control airborne dust | Water sprinkling is proposed by water tanker | Regular water sprinkling is done by water tanker | Water tanker of 5KL capacity is provided for the purpose |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mine area | Aesthetic beauty in and around mine area is not much satisfactory as plantation not done up to that extent. Hence, it was instructed to propose at least 200 sapling/year in further approval of documents | | |

Compliance of Rule 45

| S.N. | Item | Comments | Remarks |
|------|---|---|------------------------|
| 9a | Status of submission of monthly and Annual returns | MR of September-23 and AR of 2022-23 has been submitted | Submitted |
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | Name of the Mining Engineer: Abhay Choudhary Geologist: Ajay Pandey | Appointed as per rule |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Land use as per Annual return 2022-23 Currant working: 1.6 ha. Roads and Infra. : 0.150 ha. OB/waste dump: 0.290 ha. Green Belt: 0.780 ha. | As submitted by lessee |
| 9d | Scrutiny of Annual return on Afforestation | Plantation not done as proposed | Violation pointed out |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade & Quantity) | Nil | |
| 9f | Scrutiny of Annual return on ROM stock and/or grade ore | As per AR 2022-23, approved mining plan ROM was proposed 49972 T & actual production carried out 49963 t | As submitted by lessee |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price & production costs | Ex mine Price : Rs 513.49, Cost of production = Rs. 219.47 | |
| 9i | Scrutiny of Annual return on Fixed assets | Value of Fixed Assets* (₹ 1388366) | |

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| 9k | Scrutiny of Annual return on mining Machineries | BACK HOE 0.900 CUM 1 Non Electrical Opencast DUMPER 20.000 TONNE 2 Non Electrical Opencast AIR COMPRESSOR 8.000 CUM/MN 1 Non Electrical Opencast | |
|----|--|---|--|

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 27/09/2023

Date:

Name: Abhishek Ranjan Gautam

Designation: Assistant Mining Engineer