

General Information

| S. No. | Particulars | Details |
|---------------|--|---|
| 1 | Name of the Mine | Ramsthan Limestone Mine |
| 2 | Total Lease area (Ha) with break-up of Non -forest and Forest Land | 7.28 ha |
| 3 | Mine code | 38MPR35120 |
| 4 | IBM Registration Number under rule 45 of MCDR-1988 | IBM/441/2011 |
| 5 | Name of lessee, address, phone, email and Fax. No. | Shri. Raghvendra Kumar Agarwal , 47, Prabhat Vihar Colony ,Satna Madhya Pradesh, Satna-485001 Email: ruchipaints@gmail.com |
| 6 | Villages | Ramsthan |
| 7 | Taluka/Mandal/Tehsil | Raghuraj nagar |
| 8 | District | Satna |
| 9 | Pin Code | 485001 |
| 10 | State | Madhya Pradesh |
| 11 | Post office | Raghuraj nagar |
| 12 | Nearest Police Station | Babupur |
| 13 | Nearest Railway Station | Satna |
| 14 | Date of Grant of Mining Lease | 31.01.1974 |
| 15 | Date of Execution | 31.01.1974 |
| 16 | Date of opening of Mine | March 1974 |
| 17 | Date of first Renewal, if applicable and its period & expiry | Renewal order No. – F 3-6/94/12/2 Bhopal dated 01.03.2002 Renewal Agreement executed on 22.03.2003 for 20 years period w.e.f. 31.01.1994 to 30.01.2014 |
| 18 | Date of second Renewal, if applicable and its period & expiry | 2 nd Extension granted for 50 Years – 30.01.2014 – 29.01.2024. |
| 19 | Date of submission of renewal application if Mining Operations are continuing under deemed extension | Not Applicable |
| 20 | Name of the Nominated Owner with Address, phone, email, fax number and date of appointment | Shri. Raghvendra Kumar Agarwal , 47, Prabhat Vihar Colony ,Satna Madhya Pradesh, Satna-485001 Email: ruchipaints@gmail.com |

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| 21 | Name of the Mine Agent with Address, phone, email, fax number and date of appointment | NIL |
| 22 | Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines | Name - Saral Tiwari, BE(Mining), Address - Adarsh Nagar Nai Basti Satna, Mob - 9340729206 E mail - saraltiwari0@gmail.com Date of Appointment - 05-02-2023 |
| 23 | Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine | Name - Saral Tiwari, BE(Mining), Qualification - BE(Mining) Total experience - 01 year, Address - Adarsh Nagar Nai Basti Satna, Mob - 9340729206 E mail - saraltiwari0@gmail.com Date of Appointment - 05-02-2023 |
| 24 | Name of Geologist Qualification and total experience with Address, phone, email, fax number and date of appointment in mine | Name of Geologist - Vivek Kumar Pandey Qualification - M.Sc. Geology Experience – Fresher Address - Chauhan Nagar pateri Satna (M.P.) E mail- Pandeyvivek142@gmail.com Mob - 9981757680 Date of Appointment - 01-07-2023 |
| 25 | Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44. | Yes |
| 26 | Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any. | Review of Mining Plan approved on 04.07.2019. |
| 27 | Minerals(s) granted in lease and proved for mining | Limestone |
| 28 | Method of Mining(open Cast, Underground) | Open Cast |
| 29 | Category (Fully Mechanized, Others or Manual. | Others |
| 30 | Captive/Non captive | Non Captive |

I/16408/2023

FMCP Inspection REPORT

Jabalpur regional office

Mine file No : MP/STN/LST-62

Mine code : 38MPR35120

- (i) Name of the Inspecting : **N008**) **KATHROJU NAVEEN**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri.Raghvendra Kumar Agarwal(Lessee),Shri. Saral Tiw
Official with
Designation
- (iv) Date of Inspection : 07-JUL-23
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **RAMASTHAN (18 AC)**
- (b) **Registration NO.** : **IBM/11141/2012**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : SATNA
Village : RAMSTHAN
Taluka : RAGHURAJNAGAR
Post office : RAMSTHAN
Pin Code :
FAX No. : N. A.
E-mail : ruchii.paint@gmail.com
Phone : 9049247183
- (f) Police Station :
- (g) First opening date : 31-JAN-74
- (h) Weekly day of rest : SUN
2. Address for : SHRI RAGHVENDRA KUMAR AGGRAWAL
correspondance P.O. JAITWARA,
DIST. SATNA (M.P.) 485221
3. (a) Lease Number : MPR2243
- (b) Lease area : 7.28
- (c) Period of lease : 50
- (d) Date of Expiry : 30-JAN-24
4. Mineral worked : LIMESTONE Main

I/16408/2023

5. Name and Address of the

Lessee : RAGHVENDRA KUMAR AGGRAWAL
P.O. JAITWARA SATNA
MADHYA PRADESH
Phone:N. A.
FAX :N. A.

Owner : RAGHVENDRA KUMAR AGGRAWAL
P.O. JAITWARA SATNA
MADHYA PRADESH
Phone: N. A.
FAX : N. A.

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| 6. Date of approval of Mining | : | Renewal under rule 22 MCR1960 | 30-OCT-00 |
| Plan/Scheme of Mining | | Mining Scheme rule 12 MCDR1988 | 02-MAY-13 |
| | | Renewal under rule 24 MCR1960 | 05-MAY-14 |
| | | MP review under 17(1) MCR 2016 | 04-JUL-19 |

I/16408/2023

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|---|--|--------------------------|--|
| 1a | Backlog of previous year | 4 Bore holes proposed in 2019-20,2020-21 | Exploration done in 2023 | |
| 1b | Exploration over lease area for geological axis 1 or 2 | Proposed in G1 level | Explored in G1 level in | |
| 1c | Exploration Agencies and Expenditure in lakh rupees during the year | Not proposed | | |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2 | Not proposed | Nil | |
| 1e | Balance reserve as on 01/04/20 | 7,42,136 T | 10,98,637T | |
| 1f | General remarks of inspecting officers on geology, exploration etc | | | As per the last approved Review Mining Plan the reserves available at mine 11, 42,087 T out of which against the proposed depletion 3, 99,951 the achieved production is 51,450T. hence the balance reserves available are 10,90,637 T |

Development :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|--|--|---------------------|---------|
| 2a | Location of development w.r.t.lease area | Proposed to work in between N 2723400 to N 22723600, E 495600 to E495800 | As per the proposal | |
| 2b | Separate benches in topsoil, overburden and minerals (Rule 15) | Proposed Separate benches | As per the proposal | |

I/16408/2023

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|----|--|--------|----------------------------------|
| 2c | Stripping ratio or ore to OB ratio | 1:0.87 | 1:1.3(Ore in T to OB in Cu.m) |
| 2d | Quantity of topsoil generation in m3 | 1400 | Nil |
| 2e | Quantity of overburden generation in m3 | 33,694 | 31,858 Cu.m |
| 2f | General remarks of inspecting officers on development of pit w.r.t. type of deposit etc | | |

Exploitation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|---------------|-----------------|---------|
| 3a | Number of pit proposed for production | one | one | |
| 3b | Quantity of ROM mineral production proposed | 99,990T | 43,450T | |
| 3c | Recovery of sailable/usable mineral from ROM production | 100% | 100% | |
| 3d | Quantity of mineral reject generation | Not proposed. | Nil | |
| 3e | Grade of mineral rejects generation and threshold value declared. | Not proposed. | Not applicable. | |
| 3f | Quantity of sub grade mineral generation. | Not proposed. | Nil | |
| 3g | Grade of sub grade mineral generation | Not proposed. | Not applicable | |
| 3h | Manual / Mechanised method adopted for segregating from ROM | Mechanised | Mechanised | |

I/16408/2023

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|----|--|--|---|
| 3i | Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects. | Not proposed | Nil |
| 3j | Provision of drilling and blasting in mineral benches | Yes proposed | As per the proposal |
| 3k | Provision of mining machineries in mineral benches | Yes proposed | As per the proposal |
| 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 | At the end of proposal period | 5.20 ha 5.40 ha |
| 3n | Ore to OB ratio for the pit/mine during the year. | 1:0.87 | 1:1.3 |
| 3o | Total area put in use under different heads at the end of year | At the end of proposal period | 5.67 ha 5.46 ha. |
| 3p | Production of ROM mineral during the last five year period as applicable | 2017-18 T 2018-19 T 2019-20 T 2020-21 T 2021-22 T 2022-23 T 2023-24 T | 91800 91534 84000 85050 3000 3000 99990 2000 43450 99981 400T (Till July 23) 99990 99990 97481 |

I/16408/2023

3q General remarks of inspecting officers on method of mining etc.

Only 43,450 T of Limestone produced during the 2022-23 against the proposed 99,990T against which violation has issued under Rule 11(1).

Solid Waste Management - Dumping:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|---|--|---------|
| 4a | Separate dumping of topsoil, OB and mineral rejects (Rule 32,33) | Yes proposed | OB is dumping separately and Top soil is being used for plantation purpose | |
| 4b | Location of topsoil, OB and mineral reject dumps | On western side of the lease | As per proposal | |
| 4c | Number of dumps within lease area and outside of lease area | 01 | 01 | |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16) | On western side of the lease between UPL and ML | On western side of the lease between UPL and ML | |
| 4e | Number of active and alive dumps. | 01 | 01 | |
| 4f | Number of dead dumps. | Not proposed. | Nil | |
| 4g | Number of dumps established. | Not proposed. | 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 dumps | Not proposed. | Nil | |
| 4j | Number of settling ponds | Not proposed. | Nil | |
| 4k | Specific comments of inspecting officer on waste dump management | | | |

I/16408/2023

Solid Waste Management - Backfilling:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|---|--|---------|
| 5a | Status of part or full extraction of mineral from mined out area before starting backfilling. | Proposed back filling on the northern part of the lease | Back filling done on southern side of the lease and further filling not proposed in FMCP as leaving the pit for Reservoir. | |
| 5b | Area under backfilling of mined out area | 3.41 ha | Pit leaving as water body and Bunding around the lease carrying out. | |
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32) | Proposed for plantation | Utilizing for plantation | |
| 5d | Total area fully reclaimed and rehabilitated | Not proposed | Nil | |
| 5e | General remarks of inspecting officers on backfilling and reclamation etc. | | | |

Progressive Mine Clousre Plan:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|------------------|---|---------|
| 6a | Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2). | Yes to submitted | Submitted. | |
| 6b | Area available for rehabilitation (ha) . | Not proposed | Nil | |
| 6c | afforestation done (ha). | Not proposed | Nil | |
| 6d | No. of saplings planted during the year | Not proposed | 100 saplings planted during the RY. | |
| 6e | Cumulative no .of plants | Not available | Around 500 plants found. | |
| 6f | Any other method of rehabilitation | Not proposed | the pit is proposed in FMCP as water rervoir. | |
| 6g | Cost incurred on watch and care during the year | Not proposed | NA | |

I/16408/2023

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|----|--|---------------|---|
| 6h | Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D | 31400 Cu.m | very less area backfilled |
| 6i | Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings | 8100 | 3000 |
| 6j | Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area | 4300 Sqm | plantaion done |
| 6k | Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir | Not proposed | proposed to leave the reast area as water reservoir same also proposed in FMCP submitted. |
| 6l | Compliance on reclamation and rehabilitation by backfilling (v)any other specific means. | Not proposed. | Nil |
| 6m | Compliance of rehabilitation of waste land within lease (i)afforestation | Not proposed. | plantation carried out besides the ofiiice and on the southern side. |
| 6n | Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha) | Not proposed | NA |
| 6o | Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation | Not proposed | Plantation |

I/16408/2023

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| 6p | Compliance of environmental monitoring (core zone and buffer zone) | To be monitored | Monitoring. |
| 6q | General remarks of inspecting officers on PMCP compliance and progressive closure operations etc. | | |

Mineral Conservation:

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|--|--------------|----------------|--|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | ROM dispatch | ROM dispatch | |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical. | Not proposed | Nil | |
| 7c | Different grade of mineral sorted out at mines. | Not proposed | Nil | |
| 7d | Any beneficiation process at mines | Not proposed | Not available. | |
| 7e | General remarks of inspecting officer on Mineral conservation and beneficiation issues | | | No grade wise segregation proposed produced ROM is being dispatched. |

Environment:

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|---|---------------------------|-----------------------------------|---------|
| 8a | Separate removal and utilization of topsoil (Rule 32) | Proposed separate removal | Top soil utilising for plantation | |

I/16408/2023

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|----|---|---|--|--|
| 8b | Concurrent use or storage of topsoil | Not proposed | Utilizing he Top soil for plantation | |
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 33) | One dump available on the western side of the lease | The back filling on the southern side is being carried out | |
| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | Not proposed | Nil | |
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | Not proposed | Nil | |
| 8f | Baseline information on existence of plantation and additional plantation done (Rule 41) | Not proposed | About 100 saplings planted on the southern side of the lease | |
| 8g | Survival rate | Not proposed | NA | |
| 8h | Water sprinkling on roads to control airborne dust | proposed | As per the proposal | |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area | | | Plantation observed besides the mines office consists Amrut ,Amla and other plants . |

Compliance of Rule 45:

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|--|-----------|--|---------|
| 9a | Status of submission of Monthly and Annual returns | | Monthly and Annual returns submitted on time | |

I/16408/2023

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|----|---|---|--|
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | Mining Engineer Shri. Saral tiwari Saral tiwari Geologist : Shri. Suneel Tiwari | Mining Engineer Shri. Saral tiwari Geologist : Shri. Vivek pandey |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Pit 3.45 ha R&R 0.03 ha Other 0.5 ha PMCP 0.10 ha | Pit 3.45 ha R&R 0.03 ha Other 0.5 ha PMCP 0.10 ha |
| 9d | Scrutiny of Annual return on afforestation | No of trees planted During the year 100 Survival rate 80% | Observed the plantation for the year. |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade and quantity) | Not reported | NA |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore | 1610 T of cement grade reported | No stocks found |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price and production cost | Ex mine price is reported as 293/- | Ex mine price as per the sale value furnished is also 293/- |
| 9h | Scrutiny of Annual return on fixed assets | Value of Fixed Assets 281096 | Given |
| 9k | Scrutiny of Annual return on mining machineries | 1.Dumper 10T 01 2.Blast Hole drill 83mm 1 | Excavator , Dumper found at the Mine |

I/16408/2023

Details of violations observed during current inspection and compliance position of violation pointed out

| Violation observed | | | Show couse position | | |
|--------------------|-----------|---------------|---------------------|-----------|---------------|
| Rule NO. | Issued on | Compliance on | Rule NO. | Issued on | Compliance on |

Date :**(KATHROJU NAVEEN)**

Indian Bureau of Mines

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

| S.No | Violation Pointed out Under MCDR-2017 | Date of Issue of VL | Compliance received | Date of Issue of SCN | Compliance received on for SCN |
|------|---------------------------------------|---------------------|---------------------|----------------------|--------------------------------|
| 1 | Rule 11(1) | 19.07.2023 | - | - | - |
| 2 | Rule 34A | 19.07.2023 | - | - | - |