

**INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION**

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/KTN/LST-87

Mine code : 38MPR18123

- (i) Name of the Inspecting : **C004**) **ROBERT SIMON C**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 18-DEC-21
- (v) Prev.inspection date : 14-DEC-17

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KACHHGAON (1.821 HA)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : KATNI
Village : KACHHGAON
Taluka : VIJAYRAGHAVGARH
Post office : DIWAN SIDING
Pin Code : 483880
FAX No. : 07622- 230466
E-mail : N. A.
Phone : 07622- 230388
- (f) Police Station :
- (g) First opening date : 13-JUL-84
- (h) Weekly day of rest : SUN
2. Address for : ANIL KUMAR NAGRATH
correspondance : BHARAT LIME CO., CIVIL LINES,
KATNI (M.P.) 483501
3. (a) Lease Number : MPR0190
- (b) Lease area : 1.82
- (c) Period of lease : 10
- (d) Date of Expiry : 22-MAY-92
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : ANIL KUMAR NAGRATH
 CIVIL LINES KATNI MADHYA
 PRADESH
 Phone:N. A.
 FAX :N. A.

Owner : ANIL KUMAR NAGRATH
 BHARAT LIME CO. CIVIL LINES
 KATNI MADHYA PRADESH
 Phone: 07622- 230388
 FAX : 07622- 230466

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| 6. Date of approval of Mining | : | Renewal under rule 22 MCR1960 | 13-JAN-95 |
| Plan/Scheme of Mining | | Mining Scheme rule 12 MCDR1988 | 09-AUG-00 |
| | | Mining Scheme rule 12 MCDR1988 | 09-AUG-00 |
| | | Mining Scheme rule 12 MCDR1988 | 22-JUL-05 |
| | | Renewal under rule 24 MCR1960 | 18-DEC-09 |
| | | MP modif under MCR 1960 | 12-APR-16 |

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|---|--------------|---|--|
| 1a | Backlog of previous year | No proposals | Not applicable | No backlog of previous year as the mine was not in operation and no approved document since 2019-20 and the year 2020-21 is lapsed |
| 1b | Exploration over lease area for geological axis 1 or 2 | No proposals | The lease area already explored upto G1 | |
| 1c | Exploration Agencies and Expenditure in lakh rupees during the year | No proposals | NA | |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2 | No proposals | The area already explored upto G1 | |
| 1e | Balance reserve as on 01/04/20 | No proposals | As on 08.12.2021 111-259458 tonnes 122-324314 tonnes 211-125228 222-125228 tonnes | fresh estimation as per MEMC rule 2015 done. |
| 1f | General remarks of inspecting officers on geology, exploration etc | | | The ML area lies along the foot hill of the Kymore hill range. The lease area from a part of the Semri Group and comprises rocks belonging to Rohtas formation of lower Vindhyan system consists limestone which is grey, light gray, fine to Medium Grained and Slightly fractured. |

Development :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|---|--------------|----------------|---|
| 2a | Location of development w.r.t.lease area | No proposals | Not applicable | There was no proposal for the last year as the mine was not in operation and no approved document since 2019-20 and the year 2020-21 is lapsed. |
| 2b | Separate benches in topsoil, overburden and minerals (Rule 15) | No proposals | NA | |
| 2c | Stripping ratio or ore to OB ratio | No proposals | NA | |
| 2d | Quantity of topsoil generation in m3 | No proposals | NA | |
| 2e | Quantity of overburden generation in m3 | No proposals | NA | |
| 2f | General remarks of inspecting officers on development of pit w.r.t. type of deposit etc | | | The mine was not in operation and no approved document since 2019-20 and the year 2020-21 is lapsed. |

Exploitation:

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|---|--------------|----------------|---|
| 3a | Number of pit proposed for production | No proposals | Not applicable | There was no proposal for the last year as the mine was not in operation and no approved document since 2019-20 and the year 2020-21 is lapsed. |
| 3b | Quantity of ROM mineral production proposed | No proposals | NA | |

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| 3c | Recovery of sailable/usable mineral from ROM production | No proposals | NA |
| 3d | Quantity of mineral reject generation | No proposals | NA |
| 3e | Grade of mineral rejects generation and threshold value declared. | No proposals | NA |
| 3f | Quantity of sub grade mineral generation. | No proposals | NA |
| 3g | Grade of sub grade mineral generation | No proposals | NA |
| 3h | Manual / Mechanised method adopted for segregating from ROM | No proposals | NA |
| 3i | Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects. | No proposals | NA |
| 3j | Provision of drilling and blasting in mineral benches | No proposals | NA |
| 3k | Provision of mining machineries in mineral benches | No proposals | NA |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | No proposals | NA |
| 3m | Total area covered under excavation/pits | No proposals | 1.10 hect |

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| 3n | Ore to OB ratio for the pit/mine during the year. | No proposals | NA | |
| 3o | Total area put in use under different heads at the end of year | No proposals | 1.41 hect | |
| 3p | Production of ROM mineral during the last five year period as applicable | 2016-17 Nil 2017-18 Nil 2019-20 Nil 2019-20 Nil 2020-21 Nil | 2016-17 Nil 2017-18 Nil 2019-20 Nil 2019-20 Nil 2020-21 Nil | |
| 3q | General remarks of inspecting officers on method of mining etc. | | | There was no proposal for the last year as the mine was not in operation and no approved document since 2019-20 and the year 2020-21 is lapsed. |

Solid Waste Management - Dumping:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|--------------|--------------------------------|--|
| 4a | Separate dumping of topsoil, OB and mineral rejects (Rule 32,33) | No proposals | NA | The mine was not in operation and no approved document since 2019-20 and the year 2020-21 is lapsed. |
| 4b | Location of topsoil, OB and mineral reject dumps | No proposals | NA | |
| 4c | Number of dumps within lease area and outside of lease area | No proposals | 02 dumps existing within lease | |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16) | No proposals | within UPL | |

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| 4e | Number of active and alive dumps. | No proposals | NA | |
| 4f | Number of dead dumps. | No proposals | NA | |
| 4g | Number of dumps established. | No proposals | NA | |
| 4h | Whether Retaining wall or garland drain all along dumps are there. | No proposals | NA | |
| 4i | Length of Retaining wall or garland drain all along dumps | NA | NA | |
| 4j | Number of settling ponds | No proposals | Nil | |
| 4k | Specific comments of inspecting officer on waste dump management | | | The mine was not in operation and no approved document since 2019-20 and the year 2020-21 is lapsed. |

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. | No proposals | Nil . | As per the latest approved mining plan full extraction of mineral is proposed before starting backfilling |
| 5b | Area under backfilling of mined out area | No proposals | Nil | |
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32) | No proposals | Nil | |

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|----|--|--------------|-----|--|
| 5d | Total area fully reclaimed and rehabilitated | No proposals | Nil | |
| 5e | General remarks of inspecting officers on backfilling and reclamation etc. | | | The mine was not in operation and no approved document since 2019-20 and the year 2020-21 is lapsed. |

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). | No proposals. | NA | The mine was not in operation and no approved document since 2019-20 and the year 2020-21 is lapsed. |
| 6b | Area available for rehabilitation (ha) . | No proposals | NA | |
| 6c | afforestation done (ha). | No proposals | Nil | |
| 6d | No. of saplings planted during the year | No proposals | Nil | |
| 6e | Cumulative no .of plants | No proposals | NA | |
| 6f | Any other method of rehabilitation | No proposals | NA | |
| 6g | Cost incurred on watch and care during the year | No proposals | NA | |
| 6h | Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D | No proposals | NA | |

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|----|---|--------------|----|
| 6i | Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings | No proposals | NA |
| 6j | Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area | No proposals | NA |
| 6k | Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir | No proposals | NA |
| 6l | Compliance on reclamation and rehabilitation by backfilling (v) any other specific means. | No proposals | NA |
| 6m | Compliance of rehabilitation of waste land within lease (i) afforestation | No proposals | NA |
| 6n | Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha) | No proposals | NA |
| 6o | Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation | No proposals | NA |

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|----|---|--------------|-----|--|
| 6p | Compliance of environmental monitoring (core zone and buffer zone) | No proposals | Nil | |
| 6q | General remarks of inspecting officers on PMCP compliance and progressive closure operations etc. | | | The mine was not in operation and no approved document since 2019-20 and the year 2020-21 is lapsed. |

Mineral Conservation:

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|--|--------------|-------------|--|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | No proposals | NA | The mine was not in operation and no approved document since 2019-20 and the year 2020-21 is lapsed. |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical. | No proposals | NA | |
| 7c | Different grade of mineral sorted out at mines. | No proposals | NA | |
| 7d | Any beneficiation process at mines | No proposals | NA | |
| 7e | General remarks of inspecting officer on Mineral conservation and beneficiation issues | | | The mine was not in operation and no approved document since 2019-20 and the years 2019-20 to 2020-21 is lapsed. |

Environment:

| Sl.No. | Item | Proposals | Actual work | Remarks |
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|--------|------|-----------|-------------|---------|

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|----|---|--------------|----|
| 8a | Separate removal and utilization of topsoil (Rule 32) | No proposals | NA |
| 8b | Concurrent use or storage of topsoil | No proposals | NA |
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 33) | No proposals | NA |
| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | No proposals | NA |
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | No proposals | NA |
| 8f | Baseline information on existence of plantation and additional plantation done (Rule 41) | No proposals | NA |
| 8g | Survival rate | No proposals | NA |
| 8h | Water sprinkling on roads to control airborne dust | No proposals | NA |

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|----|--|--|--|---|
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area | | | The mine was not in operation and no approved document since 2019-20 and the years 2019-20 to 2020-21 is lapsed. Aesthetic beauty in and around mine area needs to be improved. |
|----|--|--|--|---|

Compliance of Rule 45:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|--------------------------|---|--|
| 9a | Status of submission of Monthly and Annual returns | AR & MR online submitted | | The mine was not in operation and no approved document since 2019-20 and the years 2019-20 to 2020-21 is lapsed. |
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | No proposals | The mine was not in operation and no approved document since 2019-20 and the years 2019-20 to 2020-21 is lapsed. Hence no information on Mining Engineer, Geologist and Manager is furnished. | |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | No proposals | Already exploited & abandoned by opencast (O/C) mining-1.821 | |
| 9d | Scrutiny of Annual return on afforestation | No proposals | Nil | The mine was not in operation and no approved document since 2019-20 and the years 2019-20 to 2020-21 is lapsed. |

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| 9e | Scrutiny of Annual return on mineral reject generation (Grade and quantity) | No proposals | Nil | The mine was not in operation and no approved document since 2019-20 and the years 2019-20 to 2020-21 is lapsed. |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore | No proposals | Nil | The mine was not in operation and no approved document since 2019-20 and the years 2019-20 to 2020-21 is lapsed. |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price and production cost | No proposals | Nil | The mine was not in operation and no approved document since 2019-20 and the years 2019-20 to 2020-21 is lapsed. |
| 9h | Scrutiny of Annual return on fixed assets | No proposals | Nil | |
| 9k | Scrutiny of Annual return on mining machineries | No proposals | Nil | |

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

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

Date :**(ROBERT SIMON C)**

Indian Bureau of Mines