

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/SATNA/LST-357

Mine code : 38MPR35329

- (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 : 02-DEC-21
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **ABER 21.794HA.**
- (b) **Registration NO.** : **IBM/19865/2015**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : SATNA
Village : ABER
Taluka : KOTAR
Post office : ABER
Pin Code :
FAX No. :
E-mail : gavinath_mines@rediffmail.c
Phone : 9425810572
- (f) Police Station :
- (g) First opening date : 28-NOV-17
- (h) Weekly day of rest : SUN
2. Address for : GAIVINATH MINES & MINERALS PVT.(LTD)
correspondance : HIG96,BANK COLONY,SATNA
MP
3. (a) Lease Number :
(b) Lease area :
(c) Period of lease :
(d) Date of Expiry :
4. Mineral worked : LATERITE Associated
LIMESTONE Main

5. Name and Address of the
Lessee : GAIVINATH MINES & MINERALS PVT.(LTD)
SATNA MP SATNA MADHYA
PRADESH
Phone:
FAX :
6. Date of approval of Mining : MP review under 17(1) MCR 2016 24-OCT-19
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|---|-------------------------------------|---|--|
| 1a | Backlog of previous year | Nil | Nil | |
| 1b | Exploration over lease area for geological axis 1 or 2 | 03 boreholes | Nil | Violation pointed out under rule 11(1) of MCDR 2017. |
| 1c | Exploration Agencies and Expenditure in lakh rupees during the year | NA | NA | |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2 | G2 - 21.794 | G2 - 21.794 ha to be explored upto G1 level | |
| 1e | Balance reserve as on 01/04/20 | 122=2138910 tonnes as on 01.04.2019 | 122= 2115910 tonnes as on 01.04.2021 | |
| 1f | General remarks of inspecting officers on geology, exploration etc | | | ML area belongs to vindhyan super group of rocks of rohtas formation, limestone of the area grey in colour fine to medium grained. Also the mine was suspended during the day of inspection. |

Development :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|--|---|---|---|
| 2a | Location of development w.r.t.lease area | It was proposed to develop the area towards the southeast portion of the lease area | Southeast portion and the working was lagging behind. | The overall excavation is lagging and not as per the proposals in the approved document. Violation pointed out under rule 11(1) of MCDR 2017. |

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| 2b | Separate benches in topsoil, overburden and minerals (Rule 15) | Separate benches in overburden and mineral Proposed | 01 OB bench of height varying between 2-4 m & 01 bench in ore of height varying between 4-6 m | |
| 2c | Stripping ratio or ore to OB ratio | 1:0.14 | 1:0.59 | |
| 2d | Quantity of topsoil generation in m3 | not proposed | Nil | |
| 2e | Quantity of overburden generation in m3 | 27340 | 11840 | Violation pointed out under rule 11(1) of MCDR 2017. |
| 2f | General remarks of inspecting officers on development of pit w.r.t. type of deposit etc | | | Violation pointed out under rule 11(1) of MCDR 2017. Also the mine was suspended during the day of inspection. |

Exploitation:

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|---|---------------|--------------|--|
| 3a | Number of pit proposed for production | 01 | 01 | |
| 3b | Quantity of ROM mineral production proposed | 183400 tonnes | 20000 tonnes | Violation pointed out under rule 11(1) of MCDR 2017. |
| 3c | Recovery of sailable/usable mineral from ROM production | 80% | 100% | |
| 3d | Quantity of mineral reject generation | Not proposed | Nil | |
| 3e | Grade of mineral rejects generation and threshold value declared. | NA | NA | |

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| 3f | Quantity of sub grade mineral generation. | No Proposals | Nil |
| 3g | Grade of sub grade mineral generation | NA | NA |
| 3h | Manual / Mechanised method adopted for segregating from ROM | No Proposals | Nil |
| 3i | Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects. | No Proposals | Not adopted |
| 3j | Provision of drilling and blasting in mineral benches | proposed | Adopted on contract basis. |
| 3k | Provision of mining machineries in mineral benches | proposed | FRONT END LOADER 1.200 CUM DUMPER 16.000 TONNE DUMPER 10.000 TONNE WATER TANKER 5000.000 LITRE PUMPS (NON-ELEC.) 650.000 L/MN |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | proposed | 01 OB bench of height varying between 2-4 m & 01 bench in ore of height varying between 4-6 m |
| 3m | Total area covered under excavation/pits | 4.54 ha | 2.04 ha |
| 3n | Ore to OB ratio for the pit/mine during the year. | 1:0.14 | 1:0.59 |
| 3o | Total area put in use under different heads at the end of year | 5.11 ha | 4.04 ha |

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| 3p | Production of ROM mineral during the last five year period as applicable | 2016-17=42900 2017-18=86400 2018-19=145200 2019- 20=170800 2020- 21=183400 | 2016-17=0 2017-18=27700 2018-19=134600 2019-20=3000 2020-21=20000 |
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| 3q | General remarks of inspecting officers on method of mining etc. | The mine was suspended during the day of inspection. The overall excavation/product ion was lagging. Violation pointed out under rule 11(1) of MCDR 2017. |
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Solid Waste Management - Dumping:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|--|--|--|
| 4a | Separate dumping of topsoil, OB and mineral rejects (Rule 32,33) | Separate dumping of OB proposed | Separate dumping of OB maintained | |
| 4b | Location of topsoil, OB and mineral reject dumps | OB dump in the southern portion of the ML area | OB dump in the southern portion of the ML area | |
| 4c | Number of dumps within lease area and outside of lease area | 01 dump within lease area | 01 dump within lease area | |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16) | outside UPL | outside UPL | |
| 4e | Number of active and alive dumps. | NA | NA | The mine was suspended during the day of inspection. |
| 4f | Number of dead dumps. | NA | NA | The mine was suspended during the day of inspection. |

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| 4g | Number of dumps established. | Nil | Nil | The mine was suspended during the day of inspection. |
| 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 | NA | NA | |
| 4j | Number of settling ponds | Not proposed | Nil | |
| 4k | Specific comments of inspecting officer on waste dump management | | | The mine was suspended during the day of inspection. Hence no activity was observed. |

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. | full extraction of mineral proposed before starting backfilling | full extraction of mineral adopted before starting backfilling | |
| 5b | Area under backfilling of mined out area | Not Proposed | 0.6 ha | |
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32) | No topsoil generated during the year | NA | |
| 5d | Total area fully reclaimed and rehabilitated | Not Proposed | 0.6 ha | |

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| 5e | General remarks of inspecting officers on backfilling and reclamation etc. | no mining activities with respect to backfilling, reclamation etc was were observed since the mine was suspended during the day of inspection & hence no specific comment in this case. |
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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). | Nil | Nil | Violation pointed out under rule 26(2) of MCDR 2017. |
| 6b | Area available for rehabilitation (ha) . | Nil | Nil | |
| 6c | afforestation done (ha). | Nil | PMCP report not submitted | Violation pointed out under rule 26(2) of MCDR 2017. |
| 6d | No. of saplings planted during the year | nil | 20nos of saplings approx. | |
| 6e | Cumulative no .of plants | not proposed | 1300-1500 (approx.) | |
| 6f | Any other method of rehabilitation | NA | NA | |
| 6g | Cost incurred on watch and care during the year | Not proposed | not available | |

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| 6h | Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D | not proposed | nil |
| 6i | Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings | not proposed | Nil |
| 6j | Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area | not proposed | Nil |
| 6k | Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir | not proposed | Nil |
| 6l | Compliance on reclamation and rehabilitation by backfilling (v)any other specific means. | NA | NA |
| 6m | Compliance of rehabilitation of waste land within lease (i)afforestation | NA | NA |
| 6n | Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha) | NA | NA |

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|----|---|----------|---|---|
| 6o | Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation | NA | NA | |
| 6p | Compliance of environmental monitoring (core zone and buffer zone) | Proposed | Environmental monitoring in core zone & buffer zone carried out | |
| 6q | General remarks of inspecting officers on PMCP compliance and progressive closure operations etc. | | | Yearly report in respect of reclamation and rehabilitative works carried out has not been submitted for the year 2020-21.Violation pointed out under rule 26(2) of MCDR 2017. |

Mineral Conservation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|-------------------------------|------------------------------|---------|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | ROM Mineral dispatch proposed | ROM Mineral dispatch adopted | |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical. | not proposed | not done | |
| 7c | Different grade of mineral sorted out at mines. | NA | NA | |
| 7d | Any beneficiation process at mines | Not proposed | Not done | |

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| 7e | General remarks of inspecting officer on Mineral conservation and beneficiation issues | The mine was suspended during the day of inspection No beneficiation process adopted. |
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Environment:

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|---|--|---|--|
| 8a | Separate removal and utilization of topsoil (Rule 32) | Not Proposed | Not done | |
| 8b | Concurrent use or storage of topsoil | NA | NA | |
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 33) | Separate dumps for overburden proposed | Maintained as before | |
| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | overburden located in dump proposed to be used in future backfilling | overburden used for backfilling | |
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | backfilling proposed | backfilling adopted | |
| 8f | Baseline information on existence of plantation and additional plantation done (Rule 41) | | Yearly report in respect of reclamation and rehabilitative works carried out has not been submitted for the year 2020-21. | Violation pointed out under rule 26(2) of MCDR 2017. |

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| 8g | Survival rate | not proposed | Nil | |
| 8h | Water sprinkling on roads to control airborne dust | Water spraying on mines haul road, loading, unloading points proposed. | Not done. The mine was suspended during the day of inspection | |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area | | | aesthetic beauty in and around mines is moderate |

Compliance of Rule 45:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|------------------|---|---------|
| 9a | Status of submission of Monthly and Annual returns | submitted online | AR and MR submitted online | |
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | furnished | Manager and Mining Engineer in charge -AMAR KUMAR CHAUDHARY | |

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| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | furnished | Covered under current (O/C)Workings 0.000 2.043 2.043 (iii) Reclaimed/Rehabilitated 0.000 0.600 0.600 (iv) Used for waste disposal 0.000 0.300 0.300 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.000 0.100 0.100 (vi) Other Purpose (Green belt) 0.000 0.950 0.950 (vii) Work done under progressive mine closure plan during the year 0.000 0.050 0.050 |
| 9d | Scrutiny of Annual return on afforestation | furnished | 20nos of saplings within lease area |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade and quantity) | Nil | Nil |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore | Nil | Nil |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price and production cost | given | Ex. Mine price =Rs.290 Cost Per Tonne in Rs. 129.94 |
| 9h | Scrutiny of Annual return on fixed assets | given | Value of Fixed Assets (in Rs) 504992 |

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| 9k | Scrutiny of given Annual return on mining machineries | FRONT END LOADER 1.200 CUM 1 Non Electrical Opencast DUMPER 16.000 TONNE 1 Non Electrical Opencast DUMPER 10.000 TONNE 1 Non Electrical Opencast WATER TANKER 5000.000 LITRE 1 Non Electrical Opencast PUMPS (NON-ELEC.) 650.000 L/MN 1 Non Electrical Opencast |
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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 |
| MCDR17 | Rule 11(1) | 23-DEC-21 | MCDR17 | Rule 11(1) | 23-DEC-21 |

Date :

(ROBERT SIMON C)

Indian Bureau of Mines