

INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION
MCDR INSPECTION REPORT
BANGALORE REGIONAL OFFICE

File No- MCDR-MiFL0Mn/1/2024-BNG-IBM_RO_BNG

Mine Code- 40KAR07065

General

| S N | Particulars | Details |
|------------|--|--|
| 1 | Name of the Mine | Mahadevapura Manganese Mine (ML No-2634) |
| 2 | Date of Inspection | 11.11.2024 (Virtual) |
| 3 | Name of Inspecting Officer | Shri Ashok Kumar Pany, AME |
| 4 | Name of official accompanying inspection | Not Applicable |
| 5 | Last date of Inspection & Officer | 12.04.2024 Dr. Sudhakara T. L., SMG |
| 6 | Total Lease Area (Ha) with breakup of Non-forest and forest land | Forest Land- Nil Non Forest Land- 2.83 ha Total Lease area- 2.83 ha |
| 7 | Mine code | 40KAR07065 |
| 8 | IBM Registration Number under rule 45 of MCDR, 2017 | IBM/12/2011 |
| 9 | Name of the lessee, Address, phone, email and fax number | Smt. M. YESHODHA, W/o M. Govinda Reddy No.125, 3rd Main, 3rd Block,3rd Stage, Basaveswarnagar Nagar, Bangalore – 560079 Tel: 08023286689; E-mail: myashodareddy787@gmail.com |
| 10 | Village | Mahadevapura |
| 11 | Taluka/Mandal | Chitradurga |
| 12 | District | Chitradurga |
| 13 | Pin code | 560079 |
| 14 | State | Karnataka |
| 15 | Post office | Mahadevapura |
| 16 | Nearest police station | Holalkere |
| 17 | Nearest Railway station | Hsadurga |
| 18 | Date of Grant of Mining Lease | 26.05.2010 |
| 19 | Date of Execution | 26.05.2010 |
| 20 | Date of Expiry | 25.05.2040 |
| 21 | Date of opening of Mine | 10.01.2011 |
| 22 | Name of the Nominated Owner with Address, phone, email, fax number and date of appointment | Smt. M. Yashoda No-125,3rd Main Road, Basaveshwaranagar, Chitradurga Karnataka Phone:080-23286689 |

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| 23 | Name of the Mine Agent with Address, phone, email, fax number and date of appointment | Shri B. Basavraju Chitradurga, Karnataka, |
| 24 | Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines | Shri Raesh N, No-125,3rd Main Road, Basaveshwaranagar, Chitradurga Karnataka Email-mgreddymc@gmail.com Mob-9842416330 Date of Appointment-15.10.2024 |
| 25 | Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine | Shri Raesh N, No-125,3rd Main Road, Basaveshwaranagar, Chitradurga Karnataka Email-mgreddymc@gmail.com Mob-9842416330 Date of Appointment-15.10.2024 |
| 26 | Name of the Geologist, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine | Shri K Raviprakash, No-125,3rd Main Road, Basaveshwaranagar, Chitradurga Karnataka Email-krvaishno@gmail.com Mob-9448683251 Date of Appointment-15.10.2024 |
| 27 | Date of Approval of Review of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any. | Review of Mining Plan approved vide letter No. MCDR-MPC0Mn/2/2023-BNG-IBM_RO_BNG dated 21.06.2024 for the period 2024-25. |
| 28 | Mineral(s) granted in lease and proved for mining | Manganese |
| 29 | Method of Mining(Open cast, Underground) | Open cast |
| 30 | Category (Fully Mechanized, Others or Manual) | Category-A, Fully Mechanized |
| 31 | Captive/Non Captive | Non- Captive |

Exploration

| S.N. | Item | Proposals (2023-24) | Actual work (2023-24) | Remarks |
|------|---|---------------------|-----------------------|---|
| 1a | Backlog of previous year | Nil | NA | |
| 1b | Exploration over lease area during the year for Geological axis 1 or 2. | Nil | NA | The mine has no valid document for the year |

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|----|--|--|----|--|
| 1c | Exploration Agency & Expenditure in lakh Rupees during the year | Nil | NA | |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2 | As per approved RMP on 21.01.2025:- G1- 0.99 Ha, G2-0.06 Ha G3-0.39 ha Non-mineralised-0.77 ha Unexplored area- 0.62. ha | | |
| 1e | Balance reserves as on 01.04.2024 | <u>As per approved RMP:-</u> Reserve- : 76206 Tonne Resource : 39025 Tonne Total : 210331 Tonne | | |
| 1f | General remarks of inspecting officer on geology, exploration etc. | The extent of Manganese zone is about 130-140m having width varying between 60-100m over an area of 0.57 ha. Depth is 20m, Highest grade is 32.5Mn% & Lowest grade is 10.12Mn% & the average grade is around 12.37Mn%. 9 nos. of bore holes proposed during the year 2024-25. The mine was non-working from 27.06.2019 to 04.11.2024 due to want of statutory clearance. | | |

Development

| S.N. | Item | Proposals | Actual work | Remarks |
|------|---|--|-------------|--|
| 2a | Location of development w.r.t. lease area | NA | NA | There is no valid mining plan for the plan period. |
| 2b | Separate benches in topsoil, overburden and mineral | NA | NA | |
| 2c | Stripping ratio or ore to OB ratio | NA | NA | |
| 2d | Quantity of topsoil generation in m ³ | NA | NA | |
| 2e | Quantity of overburden/waste generation in m ³ | NA | NA | |
| 2f | General remarks of inspecting officer on development of pit w.r.t. type of deposit etc. | The mine has no valid Review of Mining Plan for the year 2023-24. The mine was non-working from 27.06.2019 to 04.11.2024 due to want of statutory clearance. The mine was virtually inspected for the purpose of examination of the Review of Mining Plan. | | |

Exploitation

| S.N. | Item | Proposals (2023-24) | Actual work (2023-24) | Remarks |
|------|--|---------------------|-----------------------|--|
| 3a | Number of pits proposed for production | NA | NA | There is no valid mining plan for the plan period. |

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|----|--|--|----|--|
| 3b | Quantity of ROM production proposed | NA | NA | |
| 3c | Recovery of salable/usable mineral from ROM production | NA | NA | |
| 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 segregating from ROM | NA | NA | |
| 3i | Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject | NA | NA | |
| 3j | Provision of drilling & blasting in mineral benches | NA | NA | |
| 3k | Provision of mining machineries in mineral benches | NA | NA | |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | NA | NA | |
| 3m | Total area covered under excavation/pits | NA | NA | |
| 3n | Ore to OB ratio for the pit/mine during the year | NA | NA | |
| 3o | Total area put in use under different heads at the end of year | NA | NA | |
| 3p | Production of ROM mineral during last five-year period, as applicable | NA | NA | |
| 3q | General remarks of inspecting officer on method of mining etc. | The mine has no valid Review of Mining Plan for the year 2023-24. The mine was non-working from 27.06.2019 to 04.11.2024 due to want of statutory clearance. | | |

Solid Waste Management-Dumping

| S.N. | Item | Proposals (2023-24) | Actual work (2023-24) | Remarks |
|------|---|--|--------------------------|--|
| 4a | Separate dumping of topsoil, OB & mineral reject (Rule 32, 33) | NA | NA | There is no valid mining plan for the plan period. |
| 4b | Location of topsoil, OB & mineral reject dumps | NA | NA | |
| 4c | Number of dumps within lease area and outside lease area | 01 Nos. – within lease area | | |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16) | Outside UPL | | |
| 4e | Number of active & alive dumps | NA | NA | |
| 4f | Number of dead dumps | 01 Nos. – within lease area | | |
| 4g | Number of dumps stabilized | NA | NA | |
| 4h | Whether Retaining wall or garland drain all along dumps are there | NA | NA | Partly exists and proposed in the RMP of next plan period. |
| 4i | Length of Retaining wall or garland drain all along dump | NA | NA | Partly exists and proposed in the RMP of next plan period. |
| 4j | Number of settling ponds | NA | NA | |
| 4k | Specific comments of inspecting officer on waste dump management | The mine has no valid Review of Mining Plan for the year 2023-24. The mine was non-working from 27.06.2019 to 04.11.2024 due to want of statutory clearance. | | |

Solid Waste Management-Backfilling

| S.N. | Item | Proposals (2023-24) | Actual work (2023-24) | Remarks |
|------|--|---|--------------------------|--------------------------------|
| 5a | Status on part or full extraction of mineral from mined out area before starting backfilling | NA | NA | Mineral not exhausted from pit |
| 5b | Area under backfilling of mined out area | NA | NA | |
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32) | NA | NA | |
| 5d | Total area fully reclaimed & rehabilitated | NA | NA | |
| 5e | General remarks of inspecting officer on backfilling, reclamation etc. | The mineral has not been exhausted from quarry and no proposal of back filling. | | |

Progressive Mine Closure Plan

| S.N. | Item | Proposals (2023-24) | Actual work (2023-24) | Remarks |
|------|------|------------------------|--------------------------|---------|
|------|------|------------------------|--------------------------|---------|

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|----|---|----|----|---|
| 6a | Whether Annual report on PMCP submitted on time and correctly - Rule 26. | NA | NA | |
| 6b | Area available for rehabilitation (ha) | NA | NA | |
| 6c | Afforestation done (ha) | NA | NA | |
| 6d | No. of saplings planted during the year | NA | NA | |
| 6e | Cumulative no. of plants | NA | | |
| 6f | Any other specific method of rehabilitation | NA | NA | - |
| 6g | Cost incurred on watch & care during the year | NA | NA | |
| 6h | Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L X B X D). | NA | NA | - |
| 6i | Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings. | NA | NA | - |
| 6j | Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area. | NA | NA | - |
| 6k | Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir. | NA | NA | - |
| 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 rehabilitated (ha) Method of rehabilitation | NA | NA | - |
| 6o | Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation | NA | NA | - |
| 6p | Compliance of Environmental monitoring (core zone & buffer zone) | NA | NA | |

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|----|--|--|
| 6q | General remark of inspecting officer on PMCP compliance and progressive closure operation etc. | The mine has no valid Review of Mining Plan for the year 2023-24. The mine was non-working from 27.06.2019 to 04.11.2024 due to want of statutory clearance. |
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Mineral Conservation

| S.N. | Item | Proposals | Actual work | Remarks |
|------|--|--|-------------|---------|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | NA | NA | |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical | NA | NA | |
| 7c | Different grade of mineral sorted out at mines | NA | NA | |
| 7d | Any beneficiation process at mines | NA | NA | |
| 7e | General remarks of inspecting officer on Mineral conservation & beneficiation issues | The mine has no valid Review of Mining Plan for the year 2023-24. The mine was non-working from 27.06.2019 to 04.11.2024 due to want of statutory clearance. | | |

Environment

| S.N. | Item | Proposals | Actual work | Remarks |
|------|---|--|-------------|---------|
| 8a | Separate removal and utilization of topsoil (Rule 32) | NA | NA | |
| 8b | Concurrent use or storage of topsoil | NA | NA | |
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 33) | NA | NA | |
| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | NA | NA | |
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | NA | NA | |
| 8f | Baseline information on existence of plantation & additional plantation done (Rule 41) | NA | | |
| 8g | Survival rate | NA | NA | |
| 8h | Water sprinkling on roads to control airborne dust | NA | NA | |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area | The mine has no valid Review of Mining Plan for the year 2023-24. The mine was non-working from 27.06.2019 to 04.11.2024 due to want of statutory clearance. | | |

Compliance of Rule 45

| S.N. | Item | COMMENTS | | Remarks |
|------|---|--|-----------------------------|---------|
| 9a | Status of submission of Monthly and Annual returns | Annual Return submitted within due time. | | |
| S.N. | Item | Details Given in AR. | Observation of I/Officer | Remarks |
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | Information on Geologist and Manager Furnished in the Annual Return. | Appointed | |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Mining – 1.53 Ha. Dumps – 0.2 Ha. Infrastructure -0.12 ha Road – 1.50 Ha Mineral Storage-0.27 ha | Appears to be correct. | |
| 9d | Scrutiny of Annual return on afforestation | Nil | Appears to be correct. | |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade & quantity) | Nil | Appears to be correct. | |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore | ROM closing stock- Nil <u>Grade wise stock-</u> Below 25% Mn- 11593.12 tonne 25% to below 35% Mn- 553.710 tonne | Appears to be correct. | |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price & production cost | Cost of production- Nil | Appears to be correct. | |
| 9i | Scrutiny of Annual return on fixed assets | Rs. 779871.00 | Appears to be correct. | |
| 9k | Scrutiny of Annual return on mining machineries | Nil | Non-working during the year | |

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

| Violation | | | Show cause | | |
|-----------|-----------|---------------|------------|-----------|---------------|
| Rule No. | Issued on | Compliance on | Rule No. | Issued on | Compliance on |
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(ASHOK KUMAR PANY)

Assistant Mining Engineer