

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

File No-MCDR-MiFLOMn/1/2024-BNG-IBM\_RO\_BNG

Mine Code- 40KAR07065

**General**

S N	Particulars	Details
1	Name of the Mine	<b>Mahadevapura Manganese mine ML 2634</b>
2	Date of Inspection	12.04.2024
3	Name of Inspecting Officer	Dr. Sudhakara T. L., SMG
4	Name of official accompanying inspection	Shri Sri Ravi Prakash Senior Geologist
5	Last date of Inspection & Officer	10.08.2023 Shri H M Shivakumar, ACOM
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	25/05/2040
20	Date of Expiry	26/05/2010
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	M. Yashoda N0-125,Iii Main Road, Iiird Block, Iiird Stage,Basaveshwaranagar, Chitradurga Karnataka Phone:080-23286689
23	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	B. Basavraju CHITRADURGA KARNATAKA
24	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Chandrashekar

25	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Chandrashekar
26	Name of the Geologist, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Ravi Prakash (part time)
27	Date of Approval of Review of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining Scheme 279/979/2007/BNG/1801 dated 21/08/2015
28	Mineral(s) granted in lease and proved for mining	Managnese ore
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

### 1. Exploration

S.N.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	Non-working mine
1b	Exploration over lease area during the year for Geological axis 1 or 2.	Nil	Nil	Non-working mine. During the year 2014-2015 Lessee has carried Out exploration with 09 core bore holes with total meterage of 135m
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	Nil	Expenditure details not available
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	As per the Mining plan approved on 21/06/20204 Out of 2.93 Ha area, 0.62Ha is non-mineralized. In the mineralized area lessee has explored 0.99Ha under G1, 0.06Ha under G2 and 0.77Ha in G3 remaining 0.62 Ha area yet to be explored.
1e	Balance Reserves as on 01.04.2024			As per the Mining plan approved on 21/06/20204 40463 tonnes reserves
1f	General remarks of inspecting officer on geology, exploration etc.	The litho units present in the lease area are Manganese Ore and Schist/Phyllite. Manganese ore occurs as a pocket type and lesnoidal bodies in the schist. The length of the Manganese zone is about 130-140m with width varying between 60-100m. As per the Mining plan approved on 21/06/20204 , Out of 2.93 Ha area, 0.62Ha is non-mineralized. In the mineralized area lessee has explored 0.99Ha under G1, 0.06Ha under G2 and 0.77Ha in G3 remaining 0.62 Ha area yet to be explored. Lessee has proposed drilling to bring the balance area under G1 level.		

## 2. 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, hence, no comments can be offered.
2b	Separate benches in topsoil, overburden and mineral	NA	NA	NA
2c	Stripping ratio or ore to OB ratio	NA	NA	NA
2d	Quantity of topsoil generation in m <sup>3</sup>	NA	NA	NA
2e	Quantity of overburden/waste generation in m <sup>3</sup>	NA	NA	NA
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The mine is non-working from many years. The mine was inspected for the purpose of examination of the Mining plan document. There are two pits in the lease area along the strike of the ore body. The mining operation is by mechanized method. The ore is low grade, segregation of waste from ROM is done by hand sorting. The method adopted is suitably for the type of ore.		

## 3. Exploitation

S.N.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	NA	NA	There is no valid mining plan for the plan period, hence, no comments can be offered.
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	After revised DGPS survey by State Govt. there is slight shift in the location of the lease, hence, there is a change in the area. As per Approved Mining plan dated 21/06/24 area details under different heads area as follows: (1) Area under Mining : 1.56Ha Area under dump: 1.02 Ha Roads/others: 0.25
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.	Mine was not in Operation due to Suspension of Mining Operation Vide Order No.CI79MMM2016 Dated 27.06.2019. Inspection was carried out in connection with draft Review and updation of Mining Plan in reference to the DMG Letter Dated 17/19 OCT 2022 wherein the Approved Mining Plan has been sought for execution Of Supplementary Lease Deed.		

#### 4. Solid Waste Management-Dumping

S.N	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	NA	NA	One dead dump exists in the lease area.
4b	Location of topsoil, OB & mineral reject dumps	NA	NA	
4c	Number of dumps within lease area and outside lease area			One dead dump exists in the lease area and part of the dump extending beyond

				the ML after reduction of ML area due to safety zone restrictions from the adjacent Lake/Pond.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)			
4e	Number of active & alive dumps	NA	NA	
4f	Number of dead dumps	NA	NA	01 dead ump
4g	Number of dumps stabilized	NA	NA	Dump stabilized by natural plantation.
4h	Whether Retaining wall or garland drain all along dumps are there	NA	NA	Retaining Wall and Garland drain exists along the Northern part of the dump.
4i	Length of Retaining wall or garland drain all along dump	NA	NA	Retaining wall 60 m (approx.) exists along the northern part of the dump.
4j	Number of settling ponds	No proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management	One dead dump exists in the Mine over 1.02 Ha within the Mining lease area and part of the dump extending beyond the ML after reduction of ML area due to safety zone from the adjacent Lake/Pond. Retaining Wall and Garland drain exists along the Northern part of the dump. There is a requirement of Retaining Wall and Garland drain for the dump, lessee has proposed 750m Retaining Wall and Garland drain in the mining plan document.		

### 5. 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	NA	NA	
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 from pit is not exhausted and not matured for back filling.		

### 6. Progressive Mine Closure Plan

S.N.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26.	NA	NA	Non-working mine
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	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		
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	
6q	General remark of inspecting officer on PMCP compliance and progressive closure operation etc.	Mine was not in Operation due to Suspension of Mining Operation Vide Order No.CI79MMM2016 Dated 27.06.2019. Inspection was carried out in connection with draft Review and updation of Mining Plan in reference to the DMG Letter Dated 17/19 OCT 2022 wherein the Approved Mining Plan has been sought for execution Of Supplementary Lease Deed.		

## 7. Mineral Conservation

S.N.	Item	Proposals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	NA	NA	Non-working mine
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	NA	NA	Non-working mine
7c	Different grade of mineral sorted out at mines	NA	NA	Non-working mine
7d	Any beneficiation process at mines	NA	NA	Non- working mine
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Mine was not in Operation due to Suspension of Mining Operation Vide Order No.CI79MMM2016 dated 27.06.2019. Inspection was carried out in connection with draft Review and updation of Mining Plan in reference to the DMG Letter Dated 17/19 OCT 2022 wherein the Approved Mining Plan has been sought for execution Of Supplementary Lease Deed.		

## 8. Environment

S.N.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NA	NA	Non-working mine
8b	Concurrent use or storage of topsoil	NA	NA	Non-working mine
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	NA	Non-working mine
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	Non-working mine
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA	Non-working mine
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	NA		
8g	Survival rate	NA	NA	Non-working mine
8h	Water sprinkling on roads to control airborne dust	NA	NA	Non-working mine
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	The mine is surrounded by agricultural land. The aesthetic beauty in & around the mine area is maintained.		

## 9. Compliance of Rule 45

S.N.	Item	COMMENTS	Remarks
9a	Status of submission of Monthly and Annual returns	The Monthly Returns have been submitted upto June, 2019 and Monthly Returns for the month of July, 2019 to December, 2022 have not been submitted by the lessee to this office. The Annual Returns have been submitted up to 2017-18 and Annual Returns for the year 2018-19 to 2020-21 (three years) have not been submitted by the lessee	Showcasue notice issued under Rule 45(7) of MCDR, 2017 for non-submission of Annual and monthly returns.

S.N.	Item	to this office		Remarks
		Details Given in AR.	Observation of I/Officer	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	AR 2023-24 yet to be submitted	NA	The Annual Return for the year 2023-24 is yet to be submitted; hence, no comments can be offered.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	AR 2023-24 yet to be submitted	NA	
9d	Scrutiny of Annual return on afforestation	AR 2023-24 yet to be submitted	NA	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	AR 2023-24 yet to be submitted	NA	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	AR 2023-24 yet to be submitted	NA	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	AR 2023-24 yet to be submitted	NA	
9i	Scrutiny of Annual return on fixed assets	AR 2023-24 yet to be submitted	NA	
9k	Scrutiny of Annual return on mining machineries	AR 2023-24 yet to be submitted	NA	

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

<u>Violation observed</u>			<u>Show cause position</u>		
Rule No.	Issued on	Compliance on	Rule No.	Issued on	Compliance on
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**Signed by Sudhakara T L**

**Date: 27-11-2024 11:33:58**

डॉ. सुधाकर टी.एल. / Dr. Sudhakara T. L.)  
वरिष्ठ खनन भूविज्ञानी / Senior Mining Geologist