

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

**MCDR inspection REPORT**

**Bangalore regional office**

**Mine file No :** KNT/CTD/MN/142/BNG

**Mine code :** 40KAR07065

- (i) Name of the Inspecting : **257** ) **Prashant S Hegde**  
Officer and ID No.
- (ii) Designation : Regional Mining Geologist
- (iii) Accompanying mine : Shri Girish Kumar BK, representative of the owner (70  
Official with  
Designation
- (iv) Date of Inspection : 19/12/2019
- (v) Prev.inspection date : 18/07/2018

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **MAHADEVAPURA ML 2634 (7AC**
- (b) **Registration NO.** : **IBM/12/2011**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address :  
State : KARNATAKA  
District : CHITRADURGA  
Village :  
Taluka :  
Post office :  
Pin Code :  
FAX No. : 08023286689  
E-mail : girishkumar.geo83@gmail.com  
Phone : 9880080362
- (f) Police Station : Chitralli
- (g) First opening date : 10/01/2011
- (h) Weekly day of rest : SUN
2. Address for : Smt. M. YESHODHA, W/o M. Govinda Reddy  
correspondance No.125, 3rd Main, 3rd Block,3rd Stage,  
BASAVESWARNAGAR Nagar, Bangalore 560079
3. (a) Lease Number : KAR1676
- (b) Lease area : 2.83
- (c) Period of lease : 30
- (d) Date of Expiry : 25/05/2040
4. Mineral worked : MANGANESE ORE Main

## 5. Name and Address of the

Lessee : M.YASHODA,  
N0-125,III MAIN ROAD, IIIRD  
BLOCK, IIIRD STAGE,  
BASAVESHWARANAGAR,  
CHITRADURGA KARNATAKA  
Phone:080-23286689  
FAX :

Owner : M.YASHODA  
N0-125,III MAIN ROAD, IIIRD  
BLOCK, IIIRD STAGE,  
BASAVESHWARANAGAR,  
CHITRADURGA KARNATAKA  
Phone: 9845099995  
FAX :

6. Date of approval of Mining	:	Modif.of approved Mining Plan	16/01/2013
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	20/08/2015

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	G-1 Level exploration already completed.
1b	Exploration over lease area for geological axis 1 or 2	NIL	G1: 2.83 Ha	NIL
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NIL	NIL
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	G-1 Level exploration already completed.
1e	Balance reserve as on 01/04/20	-----	244,097 tonnes ( +10 % Mn Cut-off grade) As on 1/4/2019.	Based on last approved SOM dated 20/8/2015
1f	General remarks of inspecting officers on geology, exploration etc	-----	-----	1)G-1 Level exploration already completed. (2)10 nos of core BHs with 145 total meterage drilled so far. and (3) Mining operations reported to be stopped w.e.f. 4/8/2019 as per the Cancellation of ML order no CI 79 MMM 2016 issued by the Secretary, Commerce and Industries Department, (MSME & Mines) for violation of rule 22D( c) of MCR 1960.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit No-2 (N-1557951 to N-1558003 & E-634634 to E-634713 )	Carried out as per the proposals.	NIL

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in OB & minerals.	Carried out as per the proposals.	No top soil generation proposals.
2c	Stripping ratio or ore to OB ratio	1:0.16	1 : 1.1	As reported by the representative, 6650 Tonnes wastes were generated and due to pocket nature of the deposit.
2d	Quantity of topsoil generation in m3	NIL	NIL	No top soil generation proposals.
2e	Quantity of overburden generation in m3	1,304	3,639	BD: 1.8: More waste due to pocket nature of deposit.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-----	1) Mining operations reported to be stopped w.e.f. 4/8/2019 as per the Cancellation of ML order no CI 79 MMM 2016 issued by the Secretary, Commerce and Industries Department, (MSME & Mines) for violation of rule 22D( c) of MCR 1960 and representative informed that the court case was filed against said order at Hon'ble High court Karnataka.	(i) Clarifications sought from state DMG & lessee regarding present validity of the lessee and implementation of safety/ environmental protective measures for pit & dumps on 17/01/20. (ii) Representative had not produced any updated plans/ records/ documents at the time of inspection.

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**Exploitation:**

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit (Pit No-2)	One pit (Pit No-2)	NIL
3b	Quantity of ROM mineral production proposed	14,604 tonnes	6,045 tonnes	As per MR of March-2019
3c	Recovery of sailable/usable mineral from ROM production	80 %	80 %	NIL

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3d	Quantity of mineral reject generation	NIL	NIL	Considering +10 Mn % is threshold value for Mn-ore.
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	NIL
3f	Quantity of sub grade mineral generation.	25 % production will be 10 to 15 % Mn grade Mn-ore	As per the proposals.	Being utilised as per market condition and blending.
3g	Grade of sub grade mineral generation	10 to 15 % Mn grade ore	As per the proposals.	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechansied.	NIL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No such proposals.	NIL	NIL
3j	Provision of drilling and blasting in mineral benches	Jack hammer drilling by using special Gelatin.	Reported to be not carried out due to soft nature.	NIL
3k	Provision of mining machineries in mineral benches	Using Excavator and tippers	Carried out as per the proposals.	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height 5 m and width 8 m	Not as per proposals and many places high wall and less width benches than the proposals were observed.	Representaive submitted ML Cancelled order issued by the state Govt. during inspection.
3m	Total area covered under excavation/pits	1.6 Ha	1.6 Ha	As reported.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.16	1:1.1	AR not yet received and as reported 6,550 tonnes of wastes generated due to pocket nature of deposit.

3o	Total area put in use under different heads at the end of year	Pit: 1.6 Ha Dump: 0.3 Ha	Same as per the proposals.	As reported.
3p	Production of ROM mineral during the last five year period as applicable	2014-15: 14,708 2015-16: 14,000 2016-17: 14,000 2017-18: 14,470 2018-19: 14,604	2014-15: 12,640 2015-16: Nil 2016-17: 2,661 2017-18: 5,815 2018-19: 6,045	Unit: In tonnes
3q	General remarks of inspecting officers on method of mining etc.	-----	Mining operations were reported to be stopped w.e.f. 4/8/2019 as per the Cancellation of ML order no CI 79 MMM 2016 issued by the Secretary, Commerce and Industries Department, (MSME & Mines) for violation of rule 22D( c) of MCR 2019	(i) Clarifications sought from state DMG & lessee regarding present validity of the lessee and implementation of safety/ environmental protective measures for pit & dumps on 17/01/20. (ii) Representative had not produced any updated plans/ records/ documents at the time of inspection.

## 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 wastes proposed.	Carried out as per the proposals.	No top soil generation.
4b	Location of topsoil, OB and mineral reject dumps	Northern side active dump ( N-1558145 to N-1558190 and E-634655 to E-634695)	Carried out as per the proposals.	NIL
4c	Number of dumps within lease area and outside of lease area	Within ML: One Outside ML: NIL	Within ML: One Outside ML: NIL	NIL

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside the UPL.	Outside the UPL.	NIL
4e	Number of active and alive dumps.	One	One	NIL
4f	Number of dead dumps.	NIL	NIL	NIL
4g	Number of dumps established.	NIL	NIL	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Constructed, but needs proper maintenances.	State Govt. cancelled ML.
4i	Length of Retaining wall or garland drain all along dumps	NIL	NIL	No proposals for year 2018-19. Around Cum. 160 m so far.
4j	Number of settling ponds	NIL	NIL	NIL
4k	Specific comments of inspecting officer on waste dump management	-----	-----	(i) Proper maintenance of environmental protective measures viz. retaining wall / garland drain and other safety measures were not under taken for existing active Dump at time of inspection. (ii) Clarifications sought from state DMG & lessee regarding present validity of the lessee and implementation of safety/ environmental protective measures for pit & dumps on 17/01/20.

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Solid Waste Management - Backfilling:

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Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	NIL	NIL	Pits were not matured for backfilling as Ore not exhausted so far.
5b	Area under backfilling of mined out area	NIL	NIL	NIL
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NIL	NIL	NIL
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-----	-----	(i)Pits were not matured for backfilling as Ore not exhausted so far.(ii)Mining operations were reported to be stopped w.e.f. 4/8/2019 as per the Cancellation of ML order no CI 79 MMM 2016 of state Govt.

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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).	1st July of every year.	Not submitted.	State Govt. Cancelled ML.
6b	Area available for rehabilitation (ha) .	NIL	NIL	NIL
6c	afforestation done (ha).	NIL	NIL	NIL
6d	No. of saplings planted during the year	NIL	NIL	Pits and dump were active.



6e	Cumulative no .of plants	NIL	NIL	NIL
6f	Any other method of rehabilitation	NIL	NIL	NIL
6g	Cost incurred on watch and care during the year	NA	NA	State Govt. cancelled the ML.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	NIL	NIL	Pits were not matured for backfilling as ore not exhausted so far.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NIL	NIL	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	NIL	NIL	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	NIL	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NIL	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	100 nos of saplings	100 nos of saplings	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.15 Ha	0.15 Ha	NIL

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Afforestation.	Afforestation.	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	Season-wise Environmental monitoring proposed.	Not submitted Environmental monitoring data during inspection.	As reproted state Govt. cancelled ML .
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-----	-----	1)Mining operations were reported to be stopped w.e.f. 4/8/2019 as per the Cancellation of ML order of state Govt. 2)(ii) Clarifications sought from state DMG & lessee regarding present validity of the lessee and implementation of safety/ environmental protective measures for pit & dumps on 17/01/20.

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade-wise sorting within ML	Grade-wise sorting within ML	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Mechanical	One screening plant existed within ML during inspection.
7c	Different grade of mineral sorted out at mines.	+15 % Mn grade Mn-ore (lumps) and +10 to 15 % Mn grade Mn-ore (fines)	As per the proposals	NIL
7d	Any beneficiation process at mines .	None except dry screening	As per the proposals.	Idle one screening plant (50 TPH capacity) was observed during inspection.

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-----	-----	There is no mineral conservation issue. Mining operations were reported to be stopped w.e.f. 4/8/2019 as per the Cancellation of ML order of state Govt.
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## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NIL	NIL	No top soil generation proposals.
8b	Concurrent use or storage of topsoil	NIL	NIL	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumping of OB wastes proposed on active dump (Northern side of ML).	Carried out as per the proposals.	NIL
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NIL	NIL
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NIL	Pits were not matured for back-filling as ore not exhausted.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	100 nos of saplings during year 2018-19	Reported to be Carried out.	NIL

8g	Survival rate	NA	NA	NIL
8h	Water sprinkling on roads to control airborne dust	Proposed	Informed to be carried out.	Presently mining operations were stopped.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-----	-----	(i) Mining operations were reported to be stopped w.e.f. 4/8/2019 as per the Cancellation of ML order. (ii) (i) Clarifications sought from state DMG & lessee regarding present validity of the lessee and implementation of safety/ environmental protective measures for pit & dumps on 17/1/20.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	-----	MRs received upto June 2019. AR for year 2018-19 not yet submitted.	(i) V/L already issued on 10/10/19 for non-submission of AR (ii) V/L already issued on 20/12/19 for non-submission of MRs.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	AR 2018-19 not received.	None as mining operation stopped.	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	AR not submitted.	Presently Mining operation were stopped as per cancellation order of state Govt.	NIL
9d	Scrutiny of Annual return on afforestation	AR not submitted	100 nos saplings planted during year 2018-19	NIL

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9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	AR not submitted.	NIL as informed during inspection.	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	AR not submitted	MRs received upt June 2019 only	Representative had not produced any updated plans/ records/ documents for verification at the time of inspection and informed that no change in stock position after last submitted MR of June 2019.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	AR not submitted	Representative had not produced any records/ documents for verification at the time of inspection	ML cancelled by the state Govt.
9h	Scrutiny of Annual return on fixed assets	AR not submitted	No specific comments on the matter. Screening plant and generator existed in the mine at time of inspection.	NIL
9k	Scrutiny of Annual return on mining machineries	AR not submitted	Screening plant and generator existed in the mine at time of inspection.	V/L already issued and state Govt. has also cancelled ML.

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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

**Date :**

(Prashant S Hegde)

Indian Bureau of Mines