

**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 : **S011**) **K.SRINIVAS**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri Chandrasekar, Manager
Official with
Designation
- (iv) Date of Inspection : 18/07/2018
- (v) Prev.inspection date : 20/01/2015

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. : ---
E-mail : mettu.yashodha@gmail.com
Phone : 080-23233258 (O), 98450999!
- (f) Police Station : Hollalkere
- (g) First opening date : 10/01/2011
- (h) Weekly day of rest : SUN
2. Address for : Ms METTU YESHODHA,
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:080-23206062
FAX :

Owner : M.YASHODA
N0-125,III MAIN ROAD, IIIRD
BLOCK, IIIRD STAGE,
BASAVESHWARANAGAR,
CHITRADURGA KARNATAKA
Phone:
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	
1b	Exploration over lease area for geological axis 1 or 2	No proposals	Nil	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposals	nil	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposals	nil	-
1e	Balance reserve as on 01/04/20	-	-	Reserves of Mn. ore as on 1.4.2018 is 250142 tonnes.(111)
1f	General remarks of inspecting officers on geology, exploration etc	-	-	There was no proposals for exploration.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit no. 2	Pit no.2	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	yes	yes	-
2c	Stripping ratio or ore to OB ratio	1:0.16	1:0.16	-
2d	Quantity of topsoil generation in m3	Nil	Nil	-
2e	Quantity of overburden generation in m3	1292 cu.m	516 cu.m	-

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	The development has not been carried out as proposed. The violation has been pointed out for less production.
----	---	---	---	---

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit	One pit	-
3b	Quantity of ROM mineral production proposed	14470 t	5815 t	-
3c	Recovery of sailable/usable mineral from ROM production	75%	75%	-
3d	Quantity of mineral reject generation	Nil	Nil	No generation of rejects
3e	Grade of mineral rejects generation and threshold value declared.	nil	nil	-
3f	Quantity of sub grade mineral generation.	3617 t	1453 t	3000tonnes of subgrade stack is existing in the lease area.
3g	Grade of sub grade mineral generation	+10% to -15%Mn	+10% to -15%Mn	-
3h	Manual / Mechanised method adopted for segregating from ROM	A(OTFM)	A(OTFM)	-
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposals	Nil	-
3j	Provision of drilling and blasting in mineral benches	Yes	Yes	-

3k	Provision of mining machineries in mineral benches	yes	yes	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes	yes	-
3n	Ore to OB ratio for the pit/mine during the year.	1:0.16	1:0.16	
3o	Total area put in use under different heads at the end of year	Not specified	Not specified	
3p	Production of ROM mineral during the last five year period as applicable	2013-14:13171t 2014-15:14708t 2015-16:14000t 2016-17:14000t 2017-18:14470t	2013-14:7543t 2014-15:12640t 2015-16:Nil 2016-17:2661t 2017-18:5815t	-
3q	General remarks of inspecting officers on method of mining etc.	-	-	There is no change in the method of mining.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	yes	yes	-
4b	Location of topsoil, OB and mineral reject dumps	Northern side	Northern side	-
4c	Number of dumps within lease area and outside of lease area	One within ML Outside -nil	One within ML Outside -nil	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	-

4e	Number of active and alive dumps.	One active	One active within ML.	-
4f	Number of dead dumps.	Nil	Nil	-
4g	Number of dumps established.	Nil	Nil	-
4h	Whether Retaining wall or garland drain all along dumps are there.	Retaining wall proposed in Northern side.	Retaining wall constructed in Northern side.	-
4i	Length of Retaining wall or garland drain all along dumps	200m	200m	-
4j	Number of settling ponds	No proposals	Nil	-
4k	Specific comments of inspecting officer on waste dump management	-	-	No specific comments in waste dumping management.

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No proposals	nil	-
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	-
5d	Total area fully reclaimed and rehabilitated	No proposals	nil	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	No proposals for backfilling , reclamation etc.

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).	-	Not submitted	Vioation has been pointed out.
6b	Area available for rehabilitation (ha) .	No proposals	nil	-
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	nil	-
6f	Any other method of rehabilitation	No proposals	nil	-
6g	Cost incurred on watch and care during the year	No proposals	nil	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposals	nil	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposals	nil	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	No proposals	nil	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposals	nil	-

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposals	nil	-
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposals	nil	-
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposals	nil	-
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposals	nil	-
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.	-	-	There are no specific proposals for PMCP.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise dispatch	Grade wise despatch	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical sizing and sorting	Mechanical sizing and sorting	-
7c	Different grade of mineral sorted out at mines.	+10% to 25% MN	+10% to 25% MN	-

7d	Any beneficiation process at mines	Dry crushing and screening	Dry crushing and screening	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	No specific remarks in Mineral conservation and beneficiation issues.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposals	nil	-
8b	Concurrent use or storage of topsoil	No proposals	nil	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposals	Nil	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	no proposals	nil	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No proposals	150 saplings	Within the lease area.
8g	Survival rate	-	65%	-

8h	Water sprinkling on roads to control airborne dust	Yes	Yes	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	There is no change in the aesthetic beauty in and around the mines area.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR submitted upto June,2018 AR sumitted for the year 2017-18	-	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details given	Notice of appointment of Geologist and Mining Engineer not sent.	Violation pointed out.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	-	-
9d	Scrutiny of Annual return on afforestation	the details given.	-	-
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Given	Not properly filled	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given	-	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	Total figure of cost of production has not been furnished.	-
9h	Scrutiny of Annual return on fixed assets	Given	-	-

9k	Scrutiny of Annual return on mining machineries	Given	One Shovel(Hydrolic) of 0.9cu.m capacity	Non-electrical
----	--	-------	---	----------------

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
MCDR17	Rule 11(1)	10/08/2018	05/11/2018				
MCDR17	Rule 26(2)	10/08/2018	05/11/2018				
MCDR17	Rule 31(1)	10/08/2018	05/11/2018				
	Rule 46	10/08/2018	05/11/2018				

Date :

(K.SRINIVAS)

Indian Bureau of Mines