

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

MCDR INSPECTION REPORT

Bangalore regional office

Mine file No : KNT/CTD/MN/112/BNG

Mine code : 40KAR07041

- (i) Name of the Inspecting : **S011**) **K.SRINIVAS**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri Vinod Kumar, Manager, and others
Official with
Designation
- (iv) Date of Inspection : 30/05/2015
- (v) Prev.inspection date : 25/02/2013

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **HULLIKATTE**
- (b) **Registration NO.** : **IBM/4247/2011**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address :
State : KARNATAKA
District : DAWANGERE
Village : HULLIKATTE
Taluka : DAVANGERE
Post office : DAVANGERE
Pin Code :
FAX No. : 08194227300
E-mail : hulikatte@mel.co.in
Phone : 08192214804, 9880321052
- (f) Police Station : ANAJI
- (g) First opening date : 01/10/1985
- (h) Weekly day of rest : SUN
2. Address for : No 49, Khanij Bhavan, 3rd Floor,
correspondance East Wing , Race Course Rd ,
BANGALORE, KARNATAKA-560001.
3. (a) Lease Number : KAR0380
- (b) Lease area : 32.31
- (c) Period of lease : 20
- (d) Date of Expiry : 30/09/2005
4. Mineral worked : MANGANESE ORE Main

5. Name and Address of the

Lessee : MINERAL ENTERPRISES (P)LTD
 # 300, 1/B, 16TH CROSS,
 SADASHIVNAGAR, BANGALORE
 KARNATAKA
 Phone:080-3612569, 3613182
 FAX :080-3612737

Owner : MINERAL ENTERPRISES (P)LTD
 # 300, 1/B, 16TH CROSS,
 SADASHIVNAGAR, BANGALORE
 KARNATAKA
 Phone: 080-3612589, 36
 FAX : 080-3612737

Agent : N.B.SANJAY
 CHITRADURGA KARNATAKA
 Phone:
 FAX :

Mining Engineer
 Name : VINOD KUMAR N.R,Full Time
 Qualification : B.E(MINING),1st Class Mine's Manager Cer
 Appointment/ : 30/04/2015
 Termination date

Manager
 Name : Vinod Kumar N.R
 Qualification : B.E (Mining) 1st Class Mine Manager's Ce
 Appointment/ : 30/04/2015
 Termination date

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	04/04/1991
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	26/07/1996
		Mining Scheme rule 12 MCDR1988	21/10/2002
		Modif.approved Mining Scheme	28/04/2004
		Renewal under rule 24 MCR1960	09/11/2005
		FMCP under 23C(1)	20/01/2011

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	nil	nil	No proposals for the previous year i.e., 2013-14.
1b	Exploration over lease area for geological axis 1 or 2	23 core boreholes	Nil	The mine was not in operation since July, 2011 for want of lease renewal.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	The lessee and expenditure not specified	nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not specified	Not specified	
1e	Balance reserve as on 01/04/20	-	-	The balance reserves as on 01/04/2015 is 81312 tonnes.
1f	General remarks of inspecting officers on geology, exploration etc	-	-	Mine was not in operations since July, 2011 for want of lease renewal.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	South Central part of the lease area	Nil	No mining operations carried out as the mine is not working since July, 2011.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Nil	
2c	Stripping ratio or ore to OB ratio	1:0.41	Nil	
2d	Quantity of topsoil generation in m ³	Nil	Nil	

2e	Quantity of overburden generation in m3	13840	nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	No mining operations carried out as the mine is not working since July, 2011.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	Proposed in one pit only.
3b	Quantity of ROM mineral production proposed	83020 tonnes	Nil	Not working since July 2011.
3c	Recovery of sailable/usable mineral from ROM production	80%	Nil	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	
3f	Quantity of sub grade mineral generation.	6441 tonnes	Nil	
3g	Grade of sub grade mineral generation	<20% Mn	nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	

3j	Provision of drilling and blasting in mineral benches	Yes	Nil	
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	
3m	Total area covered under excavation/pits	Not specified	Not specified	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.41	Nil	
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	2010-11: 62372 t 2011-12: 66800t 2012-13: 18788t 2013-14: nil 2014-15: 66416t	2010-11: 62372 t 12: 11038 t nil nil 2014-15:nil	2011-2012-13: 2013-14: 2014-15:nil
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	Southeastern side of the lease area.	Southeastern side of the lease area.	

4c	Number of dumps within lease area and outside of lease area	All dumps within the lease area.	All dumps within the lease area.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside the ultimate pit limit	Outside the ultimate pit limit	
4e	Number of active and alive dumps.	one	one	
4f	Number of dead dumps.	one	one	
4g	Number of dumps established.	one	one	
4h	Whether Retaining wall or garland drain all along dumps are there.	yes	yes	
4i	Length of Retaining wall or garland drain all along dumps	100 m	80m	The construction of retaining wall is under progress.
4j	Number of settling ponds	nil	nil	
4k	Specific comments of inspecting officer on waste dump management	-	-	No specific comments on waste dump 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 proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	nil	

5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	No proposals are given for backfilling and reclamation, the mineral is not yet exhausted.

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).	-	Submitted	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	4.0ha	4.0ha	
6d	No. of saplings planted during the year	1000 saplings	2000 saplings	
6e	Cumulative no .of plants	not specified	53720 saplings	
6f	Any other method of rehabilitation	no proposal	nil	
6g	Cost incurred on watch and care during the year	not specified	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	Nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	no proposal	nil	

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	no proposal	nil	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	nil	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	no proposal	nil	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	no proposal	nil	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	no proposal	nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	no proposal	nil	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	No significant proposals as the mine is not in operation since July, 2011.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting	Grade wise sorting	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Mechanical	
7c	Different grade of mineral sorted out at mines.	-4mm +4mm to-8mm, +8mm to -40mm.	-4mm +4mm to-8mm, +8mm to -40mm.	
7d	Any beneficiation process at mines .	Yes	Washing	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	There is no change in conservation and beneficiation issues.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	nil	Already generated top soil utilised for plantation.
8b	Concurrent use or storage of topsoil	No proposal.	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 proposal	Nil	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No specific proposal	nil	
8g	Survival rate	70%	70%	
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 aesthetic beauty in and around mine area.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Given	-	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	-	
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	Given	-	

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Given	-
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	-
9h	Scrutiny of Annual return on fixed assets	Given	-
9k	Scrutiny of Annual return on mining machineries	Given	-

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
Rule 24	08/06/2015	02/07/2015			

Date :

(K.SRINIVAS)

Indian Bureau of Mines