

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

MCDR inspection REPORT

Bangalore regional office

Mine file No : KNT/DVN/MN/2/BNG

Mine code : 40KAR27004

- (i) Name of the Inspecting : **S011**) **K.SRINIVAS**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri Nagaraj, Permit Manager
Official with
Designation
- (iv) Date of Inspection : 08/03/2019
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KADATHIHALLI (12.95 HA)**
- (b) **Registration NO.** : **IBM/21855/2017**
- (c) **Category** : **A Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **KARNATAKA**
- District : **DAWANGERE**
- Village :
- Taluka :
- Post office :
- Pin Code :
- FAX No. : **0839-2268033**
- E-mail : **sriymco@gmail.com**
- Phone : **09480000123**
- (f) **Police Station** : **Harpanahalli**
- (g) **First opening date** : **18/01/2018**
- (h) **Weekly day of rest** : **SUN**
2. **Address for** : **B.C.M Compund,**
correspondance **Infantry Road, Cantonment**
BELLAY -583 104
3. (a) **Lease Number** : **KAR1611**
- (b) **Lease area** : **12.95**
- (c) **Period of lease** : **20**
- (d) **Date of Expiry** : **17/09/2001**
4. **Mineral worked** : **MANGANESE ORE** **Main**

5. Name and Address of the

Lessee : YERRITHATHA MINING COMPANY
DAWANGERE KARNATAKA
Phone:
FAX :

6. Date of approval of Mining : Renewal under rule 24 MCR1960 25/01/2007
Plan/Scheme of Mining Modif.of approved Mining Plan 31/03/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	3 boreholes	NIL	The violation has been pointed out.
1b	Exploration over lease area for geological axis 1 or 2	Three bore holes	Not carried out	These boreholes proposed during the year 2016-17. The violation has been pointed out.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Lessee	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 proved Reserves (111) as on 1.4.2018 is 2,83,472 tonnes.
1f	General remarks of inspecting officers on geology, exploration etc	-	-	Backlog of exploration has not been carried out and the violation has been pointed out.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Central part of the Mining lease area.	nil	The violation has been pointed out.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	yes	-
2c	Stripping ratio or ore to OB ratio	1:0.29	1:0.29	-
2d	Quantity of topsoil generation in m3	Nil	Nil	-
2e	Quantity of overburden generation in m3	2906	660	Upto February, 2019

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	The mining operations have been started on 18.1.2018. During the year 2017-18, no production had been envisaged. The violation has been pointed out.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one	one	-
3b	Quantity of ROM mineral production proposed	20008 tonnes	4550 tonnes	production envisaged during the year 2018-19 upto Feb.2019.
3c	Recovery of sailable/usable mineral from ROM production	80%	80%	-
3d	Quantity of mineral reject generation	Nil	Nil	-
3e	Grade of mineral rejects generation and threshold value declared.	not specified	nil	-
3f	Quantity of sub grade mineral generation.	2000 tonnes	910 tonnes	-
3g	Grade of sub grade mineral generation	10 to 15% Mn	10 to 15% Mn	Subgrade is blended with high grade ore.
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	Excavation is being carried out by means of rock breaker.
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	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.	1:0.29	1:0.29	-
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	2014-15:Nil 2015-16: Nil 2016-17: 10931 t 2017-18: 15008 t 2018-19:20008t	2014-15:Nil 2015-16: Nil 2016-17: Nil 2017-18: Nil 2018-19: 4550t	the production is up to February,2019.
3q	General remarks of inspecting officers on method of mining etc.	-	-	The production had not been envisaged during the year 2017-18 and achieved the production during 2018-19. The violation has been pointed out.

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	southern side of Mining lease	southern side of Mining lease	-
4c	Number of dumps within lease area and outside of lease area	six within the lease	six within the lease	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	out of UPL	Out of UPL	-
4e	Number of active and alive dumps.	six	six	-
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.	Yes	Nil	-
4i	Length of Retaining wall or garland drain all along dumps	60m retaining wall	nil	The proposal is during the year 2018-19.
4j	Number of settling ponds	nil	nil	-
4k	Specific comments of inspecting officer on waste dump management	-	-	The construction of retaining wall has not been made. The violation has been pointed out.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	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.	-	-	At present no proposals for back filling ,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	The violation 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) Afforestation 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 on PMCP and mine closure operations.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Yes	Yes	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	crushing/sorting /screening	crushing/sorting /screening	-
7c	Different grade of mineral sorted out at mines.	>15%Mn, 10-15%Mn	>15%Mn, 10-15%Mn	-
7d	Any beneficiation process at mines	No proposals	nil	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	The subgrade ore is being blended with the high grade ore.

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	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	500 saplings	500 saplings	-
8g	Survival rate	80%	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 significant change in aesthetic beauty in and around 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 Jan,2019 AR submitted for the year 2017-18.	-	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	the details given.	Not appointed	the violation has been 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	-	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	The details given	-	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	-	-
9h	Scrutiny of Annual return on fixed assets	The details given	-	-
9k	Scrutiny of Annual return on mining machineries	The details 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
MCDR17	Rule 11(1)	15/03/2019	03/07/2019				
MCDR17	Rule 19(1)	15/03/2019	03/07/2019				
MCDR17	Rule 20	15/03/2019	03/07/2019				
MCDR17	Rule 26(2)	15/03/2019	03/07/2019				
MCDR17	Rule 27(2)	15/03/2019	03/07/2019				
MCDR17	Rule 31(4)	15/03/2019	03/07/2019				
MCDR17	Rule 35(1)	15/03/2019	03/07/2019				
	Rule 46	15/03/2019	03/07/2019				

Date :

(K.SRINIVAS)

Indian Bureau of Mines