

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

**MCDR inspection REPORT**

**Bangalore regional office**

**Mine file No :** KNT/DVN/MN/1/BNG

**Mine code :** 40KAR27003

- (i) Name of the Inspecting : S011 ) K.SRINIVAS  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri Govind, a representative of the lessee  
Official with  
Designation
- (iv) Date of Inspection : 19/07/2018
- (v) Prev.inspection date : 07/03/2012

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : KADATHIHALLI (2.02 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. : 08392268033
- E-mail : sriymco@gmail.com
- Phone : 9480000123
- (f) **Police Station** :
- (g) **First opening date** :
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** :
3. (a) **Lease Number** : KAR1699
- (b) **Lease area** : 2.02
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 14/02/1995
4. **Mineral worked** : MANGANESE ORE Main

5. Name and Address of the

Lessee : YERITHATHA MINING CO.,  
          DAWANGERE KARNATAKA  
          Phone:  
          FAX :

Owner : YERITHATHA MINING CO  
          DAWANGERE KARNATAKA  
          Phone:  
          FAX :

6. Date of approval of Mining : Renewal under rule 24 MCR1960 25/01/2007  
Plan/Scheme of Mining : Mining Scheme rule 12 MCDR1988 05/05/2016

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Two boreholes	Not carried out	Violation pointed out.
1b	Exploration over lease area for geological axis 1 or 2	G1 level	Nil	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not specified	-	-
1e	Balance reserve as on 01/04/20	-	-	Reserves as on 1.4.2018 is 206414 t (proved)
1f	General remarks of inspecting officers on geology, exploration etc	-	-	The exploration has not been carried out as proposed. The violation has been pointed out.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Southeastern side	Southeastern side	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes	-
2c	Stripping ratio or ore to OB ratio	1:0.78	1:0.38	-
2d	Quantity of topsoil generation in m3	No proposal	Nil	No generation of top soil.
2e	Quantity of overburden generation in m3	4162.5 cu.m	1415 cu.m	-

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	No specific remarks regarding the development of pit.
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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	15080tonnes	7300 tonnes	violation pointed out
3c	Recovery of sailable/usable mineral from ROM production	90%	90%	-
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.	1508t	730t	-
3g	Grade of sub grade mineral generation	10 to 15% Mn	10 to 15% Mn	-
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.	Only crushing and screening process	Only crushing and screening process	-
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	-	
3m	Total area covered under excavation/pits	Not specified	Not specified	-	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.78	1:0.38	-	
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	2016-17 :10040t 2017-18 :15080t	2016-17 :Nil :7300t	2017-18	Started the mining operations in the month of September, 2017.
3q	General remarks of inspecting officers on method of mining etc.	-	-		There is no change in method of mining.

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Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	Yes	No top soil generated.
4b	Location of topsoil, OB and mineral reject dumps	Northwestern side	Northwestern side	-
4c	Number of dumps within lease area and outside of lease area	5 dumps	5 dumps	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Northwestern side	dumping at Northwestern side.	-

4e	Number of active and alive dumps.	one	one	-
4f	Number of dead dumps.	4 dumps	4 dumps	Old dumps
4g	Number of dumps established.	Nil	Nil	-
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	No	Violation pointed out.
4i	Length of Retaining wall or garland drain all along dumps	193m retaining wall	Not carried out.	The violation pointed out.
4j	Number of settling ponds	No proposals	Nil	-
4k	Specific comments of inspecting officer on waste dump management	-	-	Retaining wall and garland drain have not been constructed. Violation has been pointed out.

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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	At present no proposals
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.	-	-	There are no specific proposals for backfilling, reclamation etc.

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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).	-	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)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 on PMCP.

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Despatch after sorting out the gradewise	Despatch after sorting out the gradewise	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Mechanical	-
7c	Different grade of mineral sorted out at mines.	>15%Mn 10-15%Mn	>15%Mn 10-15%Mn	-

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7d	Any beneficiation process at mines	Crushing and screening	Crushing and screening	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-		There are no specific remarks on conservation of mineral and beneficiation issues.

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposals	nil	No top soil generated.
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)	800 no.saplings	1000 saplings	Afforestation for the year 2016-17 and 2017-18.
8g	Survival rate	70%	60%	-

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 mining area.

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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 submitted for the year 2017-18	-	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	No ME/Geologist appointed	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	not furnished	1000 saplings planted.	-
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	cost of production has not been filled properly.	-
9h	Scrutiny of Annual return on fixed assets	Given	-	-

9k	Scrutiny of Annual return on mining machineries	Given	Shovel(Hydrolic), Truck, water Tanker,Jeep/Tractor.
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**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)	09/08/2018			
MCDR17	Rule 19(2)	09/08/2018			
MCDR17	Rule 20	09/08/2018			
MCDR17	Rule 26(2)	09/08/2018			
MCDR17	Rule 27(2)	09/08/2018			
MCDR17	Rule 31(4)	09/08/2018			
MCDR17	Rule 35(1)	09/08/2018			
Rule 46		09/08/2018			

**Date :**

**(K.SRINIVAS)**

Indian Bureau of Mines