

**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 : Junior Mining Geologist
- (iii) Accompanying mine : Sri MohanKumar, Geologist, Sri Shivraj, Mining Engine  
Official with  
Designation
- (iv) Date of Inspection : 14/03/2022
- (v) Prev.inspection date : 04/10/2019

**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 correspondance** : **M/S SRI YERRITHATHA MINING COMPANY,  
53,B.C.M COMPOUND, INFANTRY ROAD,CANTT.  
BALLARI -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 :

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		Modif.of approved Mining Plan	31/03/2016
		MP review under 17(1) MCR 2016	06/01/2021

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposals	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	Not specified	NIL	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not specified	G1- 0.96 Ha G2 - 0.00Ha G3- 11.60 Ha	-
1e	Balance reserve as on 01/04/20	-	-	The reserves as on 1.4.2021 is 330212 tonnes.
1f	General remarks of inspecting officers on geology, exploration etc	-	-	There are no exploration proposals for the year 2020-21. The backlog of proposed boreholes in the beginning of plan period has been incorporated in the proposals of next plan period (2021-22 to 2025-26).

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Location of Development- Section 3-3' (592mRL to 586mRL)	Development has been carried out as proposed.	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches proposed in OB and mineral.	Separate benches maintained in OB and mineral.	-
2c	Stripping ratio or ore to OB ratio	1:0.25(in tonnes)	1: 1.07(in tonnes)	Ore-16700t OB- 18000t

2d	Quantity of topsoil generation in m3	No proposal	NIL	-
2e	Quantity of overburden generation in m3	3140m3	9000 m3	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	The development has been carried out inside the mine.

### 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	25088 Tonnes	16700 Tonnes	-
3c	Recovery of sailable/usable mineral from ROM production	90%	100%	As reported in AR2020-21.
3d	Quantity of mineral reject generation	2508 tonnes	NIL	-
3e	Grade of mineral rejects generation and threshold value declared.	10-15%Mn	NIL	-
3f	Quantity of sub grade mineral generation.	No proposal	NIL	-
3g	Grade of sub grade mineral generation	No proposal	NIL	-
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised crushing and screening proposed.	Mechanised screening carried out.	-

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	NIL	-
3j	Provision of drilling and blasting in mineral benches	Drilling and Blasting proposed.	No drilling and blasting carried out. Only Rock Breaker operation carried out.	Only Rock Breaker operation inside the mine.
3k	Provision of mining machineries in mineral benches	Mining Machineries proposed- Excavators- 1 Tippers- 10 Drill-1 Water tanker - 1	Machinery deployed: Excavators- 1 Tippers- 1 Water tanker -1	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed bench height 6m proposed.	Average bench height 6m maintained.	-
3m	Total area covered under excavation/pits	0.70 Ha	0.60 Ha	-
3n	Ore to OB ratio for the pit/mine during the year.	1:0.25(in tonnes)	1: 1.07(in tonnes)	Ore-16700t OB- 18000t
3o	Total area put in use under different heads at the end of year	Area under mining - 0.70ha OB Dumping - 1.76ha Mineral storage-0.50ha Subgrade- 0.20ha Infrastructure & Roads including Mineral separation plant-0.89ha Afforestation& Green belt- 2.25ha At the end of the plan period (2020-21)	Area under mining - 0.60ha OB Dumping -0.9ha Infrastructure & Roads including Mineral separation plant-0.93ha Others -10.13ha	As per the AR 2020-21.

3p	Production of ROM mineral during the last five year period as applicable	2016-17:10931 2017-18:15008 2018-19:20008 2019-20:20093 2020-21:25088 (In tones)	2016-17:Nil 2017-18:Nil 2018-19:5250 2019-20:9850 2020-21:16700 (In tones)	-
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)	Separate Dumping of Overburden, Mineral,Subgrade And Mineral Rejects proposed.	Separate Dumping of Overburden, Mineral,Subgrade And Mineral Rejects maintained as per the proposals	-
4b	Location of topsoil, OB and mineral reject dumps	OB dump(Sec5-5' -7-7') Reject/subgrade dump(Sec4-4')	Dumping of Overburden, Mineral,Subgrade And Mineral Rejects carried out within the proposals.	-
4c	Number of dumps within lease area and outside of lease area	One OB dump proposed (Sec5-5' -7-7')	One OB dump 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.	1 active waste dump proposed	1 active waste dump maintained	-
4f	Number of dead dumps.	6 small dead dumps within ML area.	6 small dead dumps within ML area.	-
4g	Number of dumps established.	No proposal	NIL	-
4h	Whether Retaining wall or garland drain all along dumps are there.	70m Retaining wall &75m Garland drain proposed along the proposed dump.	Not carried out.	Violation issued

4i	Length of Retaining wall or garland drain all along dumps	70m Retaining wall 75m Garland drain proposed along the proposed dump.	Not carried out.	Violation issued.
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. The violation has been issued.

#### 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 proposal	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)	No proposal	NIL	-
5d	Total area fully reclaimed and rehabilitated	No proposal	NIL	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	There are no proposals for backfilling.

#### Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	To be submitted the annual report on PMCP under Rule26(2)	Annual PMCP Report for the year 2020-21 submitted on 28/5/2021	-
6b	Area available for rehabilitation (ha) .	0.45ha within lease	Plantation within the lease area	As reported by the lessee during the inspection.
6c	afforestation done (ha).	0.45ha within lease	Plantation within the lease area	As reported by the lessee during the inspection.
6d	No. of saplings planted during the year	2000	2600saplings planted inside ML area.	As reported in AR2020-21.
6e	Cumulative no .of plants	7800	4600	Planted within the lease area.
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 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)	Environment monitoring proposed for Air, Water & Noise.	Environment monitoring for Air, Water & Noise carried out.	All the environmental parameters within limit.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	No specific comments on compliance of PMCP and progressive 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	Only mechanical crushing and screening proposed	Mechanical screening carried out for different sizes	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No grade wise sorting proposed	NIL	-
7c	Different grade of mineral sorted out at mines.	No proposal	NIL	-

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7d	Any beneficiation process at mines	No proposal	NIL	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	No specific comments.

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	NIL	-
8b	Concurrent use or storage of topsoil	No proposal	NIL	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposal for Separate dumping of Overburden/Mineral Reject/subgrade	Separate dumping of Overburden/Mineral Reject/subgrade is carried out.	-
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)	7800nos. of plants (inside the ML)	4600nos. of plants (inside the ML).	As reported by the lessee during the inspection.
8g	Survival rate	70%	70%	-
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul roads proposed to control airborne dust.	Water tanker deployed to control the airborne dust on haul roads and screening plant.	A water tanker of 8000 liters capacity used for water sprinkling.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	--	There is no change in aesthetic beauty in and around mines 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	M.R. Submitted up to February, 2022 A.R. for the year 2020-21 submitted on 30.05.2021.	Appears to be correct	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sri Mohan Kumar, Geologist Shivraj, Mining Engineer Moses A.P, Manager	Appears to be correct	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under mining - 0.60ha OB Dumping - 0.9ha Infrastructure & Roads including Mineral separation plant-0.93ha Others - 10.13ha	Appears to be correct	-

9d	Scrutiny of Annual return on afforestation	2600nos. of plants (inside the ML)with 70% survival rate	Appears to be correct.	-
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	Appears to be correct	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	O/S -900tonnes Production - 16700t C/S - Nil	Appears to be correct	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of production- Rs1035.38/tonne Ex-price mine- Rs1179.32/tonne	Appears to be correct.	-
9h	Scrutiny of Annual return on fixed assets	Fixed Assets- Rs9961476/-	Appears to be correct	-
9k	Scrutiny of Annual return on mining machineries	Excavator- 1 Tipper- 1 Water tanker - 1	Appears to be correct.	-

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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
MCDR17	Rule 11(1)	06/04/2022	02/06/2022	MCDR17	Rule 45(7)	06/04/2022	02/06/2022
MCDR17	Rule 45(7)(a)	06/04/2022	02/06/2022				

**Date :**

**(K.SRINIVAS)**

Indian Bureau of Mines