

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

**MCDR inspection REPORT**

**Bangalore regional office**

**Mine file No :** KNT/BLR/FE/461/BNG

**Mine code :** 30KAR03163

- (i) Name of the Inspecting : **S011** ) **K.SRINIVAS**  
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Sanjay Kumar, Mines and others  
Official with  
Designation
- (iv) Date of Inspection : 08-MAR-23
- (v) Prev.inspection date : 14-MAR-20

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **DONIMALAI**
- (b) **Registration NO.** : **IBM/4357/2011**
- (c) **Category** : **A Fully Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **KARNATAKA**
- District : **BELLARY**
- Village : **NARASAPURA**
- Taluka : **SANDUR**
- Post office : **SANDUR**
- Pin Code :
- FAX No. : **080-41495664,gurunanda20060**
- E-mail : **sgavim@gmail.com,gurunanda:**
- Phone : **080-41495660 9972309483 (M**
- (f) **Police Station** : **SANDUR**
- (g) **First opening date** : **03-JUL-07**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **M/s Shree Gavisiddeshwara Minerals**  
**#473,8th main, 4th cross,Tarasubbarao rd**  
**Hanaumantnagar,Gavipuram Extensi Bangalore-560 0**
3. (a) **Lease Number** : **KAR0226**
- (b) **Lease area** : **60**
- (c) **Period of lease** : **20**
- (d) **Date of Expiry** : **27-MAY-19**
4. **Mineral worked** : **IRON ORE** **Main**

## 5. Name and Address of the

Lessee : M/s Shree Gavisiddeshwara Minerals  
 101, 1st Floor, Pride  
 Elite, No-10 Museum Road,  
 Bangalore BANGALORE  
 KARNATAKA  
 Phone:080-41495660/1/3  
 FAX :080-41495664

Owner : H E Panduranga S/o Eshwarappa  
 #473,8th main, 4th cross,  
 Tarasubbarao rd,Near  
 Kumaraswamy Hanaumantha  
 Nagar, Bangalore south,  
 BANGALORE KARNATAKA  
 Phone:  
 FAX :

## Mining Engineer

Name : SANJAY KUMAR,Full Time  
 Qualification : B.E.MINING F.CC  
 Appointment/ : 02-AUG-19  
 Termination date

## Manager

Name : SANJAY KUMAR  
 Qualification : B.E.MINING F.CC  
 Appointment/ : 02-AUG-19  
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	23-JAN-13
Plan/Scheme of Mining		MS modif under MCR 1960	15-DEC-15
		MP review under 17(1) MCR 2016	12-JUN-19
		MP review under 17(1) MCR 2016	24-JUN-20

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	12RC boreholes proposed for the year 2020-21	Not carried out due to Covid affected to mine workers. Later the mine was temporarily discontinued since 1.4.2022.	These proposals have been included in the next Plan period RMP proposals(2022-23 to 2026-27)
1b	Exploration over lease area for geological axis 1 or 2	No proposal	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	Not specified	G-1- 13.60 Ha G-2- nil G-3- 2.40 Ha G4- 114.0Ha Total Area- 130 Ha	-
1e	Balance reserve as on 01/04/20	-	-	Reserves of Iron ore as on 1.4.2022: 703026t with grade 43.07% to 58.76%Fe
1f	General remarks of inspecting officers on geology, exploration etc	-	-	There are no proposals for exploration for the year 2021-22. However, the mine is not in operation since 1.4.2022.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Section B-B' to F-F' and I-I' to K-K'	Section B-B' to F-F' and I-I' to K-K'	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	yes	yes	No top soil generated.
2c	Stripping ratio or ore to OB ratio	1:3.36	1:0.40 I	ron ore : Ore:124000t Waste: 50,000 t

2d	Quantity of topsoil generation in m3	No proposal	nil	-
2e	Quantity of overburden generation in m3	291579 m3	25000 m3	Violation pointed out for less development.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	The proposed development has not been carried out. The violation has been pointed out. However, the mine is not in operation since 1.4.2022. Form-E has been submitted.

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two pits	Two pits	-
3b	Quantity of ROM mineral production proposed	259573t	124000t	Violation pointed out for less production.
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	-
3d	Quantity of mineral reject generation	No proposal	nil	-
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	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 method for segregation	Mechanised method for segregation	Dry Crushing and Screening .

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	No such beneficiation study carried out.	-
3j	Provision of drilling and blasting in mineral benches	Provision of Drilling and Blasting is proposed for mineral benches.	yes	-
3k	Provision of mining machineries in mineral benches	Mining Machineries proposed- Excavators- 5 Tippers- 14 Drill-1 Wheel Loaders -1 Water tanker-4 (10KL)	Machinery deployed: Excavators- 3 Tippers- 9 Drill-1 Wheel Loaders-1 Water tanker-2(10K)	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench Height- 8m Bench Width-> 8m	Bench Height- 8m Bench Width-> 8m	-
3m	Total area covered under excavation/pits	16.90 Ha (At the end of the plan period)  16.90 Ha (At the end of the plan period) 16.80 Ha	16.80 Ha	-
3n	Ore to OB ratio for the pit/mine during the year.	1:3.36	1:0.40	Iron ore : Ore:1,24, 000t Waste: 50,000 t

3o	Total area put in use under different heads at the end of year	Mine Working- 16.90 Ha Dumping -18.01 ha Roads -5.50ha Afforestation- 4.35 Ha Infrastructure - 0.1ha	Mine Working- 16.80 Ha Dumping - 15.35 Ha Other purpose-4.77ha Infrastructure- 0.1ha	-
3p	Production of ROM mineral during the last five year period as applicable	2017-18 : nil 2018-19 : nil 2019-20 : 259095t 2020-21 : 259597t 2021-22 : 259573t	2017-18 : nil 2018-19 : nil 2019-20 : 224000t 2020-21 : nil 2021-22 : 124000t	-
3q	General remarks of inspecting officers on method of mining etc.	-	-	There is no change in method of mining. The proposed production has not been achieved. The violation has been issued. However, the mine is not in operation since 1.4.2022. Form-E has been submitted.

## 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 is proposed.	Separate Dumping of Overburden is carried out .	-
4b	Location of topsoil, OB and mineral reject dumps	OB dump proposed in AD1 &AD2 in North and AD3 in South of the mining lease.	Overburden Dumping in AD1 &AD2 in North and AD3 in South of the mining lease carried out.	-
4c	Number of dumps within lease area and outside of lease area	Within Lease Area- 6	Within Lease Area- 6	-
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.	3	3	-
4f	Number of dead dumps.	3	3	-
4g	Number of dumps established.	nil	nil	-
4h	Whether Retaining wall or garland drain all along dumps are there.	Retaining wall & Garland drain proposed along the PD.	Not constructed.	Violation issued.
4i	Length of Retaining wall or garland drain all along dumps	Garland Drain- 415m Retaining wall- 405m	Not constructed.	Violation issued.
4j	Number of settling ponds	No proposal	nil	-
4k	Specific comments of inspecting officer on waste dump management	-	-	Retaining wall and Garland drain have not been constructed as proposed for the year 2021-22. The violation has been issued.

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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 proposal	nil	-
5b	Area under backfilling of mined out area	0.28ha	Not carried out.	Violation pointed out.
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.	-	-	The backfilling proposals for the year 2021-22 have not been carried out. The violation has been pointed out.
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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).	To be submitted under rule 26(2) of MCDR, 2017 before 1st July of every year.	Submitted on 22.04.2022	-
6b	Area available for rehabilitation (ha) .	No proposal	nil	-
6c	afforestation done (ha).	0.75ha	nil	-
6d	No. of saplings planted during the year	1875	No saplings planted.	Violation pointed out.
6e	Cumulative no .of plants	No proposal	nil	-
6f	Any other method of rehabilitation	No proposal	nil	-
6g	Cost incurred on watch and care during the year	No proposal	nil	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	0.28ha	Backfilling not carried out.	Violation pointed out.
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)	Environment monitoring is proposed for Core and Buffer Zone.	Environment monitoring is being carried out monthly in Core and Buffer Zone.	All the environmental parameters observed to be within the permissible limits.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	The proposals of backfilling and plantation have not been carried out. The violation has been pointed out.

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Mineral Conservation:

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Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting is proposed within lease area.	Grade wise sorting is done within lease area.	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical Sorting	Mechanical Sorting	Dry Crushing & Screening
7c	Different grade of mineral sorted out at mines.	Grade wise sorting is proposed.	Grade wise sorting is done in lease area.	-
7d	Any beneficiation process at mines	No proposal	nil	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	There are no specific comments on Mineral Conservation and beneficiation issues.

## 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	Separate dumping of Overburden 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)	1875	No saplings planted.	Violation pointed out.
8g	Survival rate	No proposal	nil	-
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul roads proposed to control airborne dust.	Water tankers are deployed to control the airborne dust on haul roads and screening plant.	2 nos. of water tanker each of 10000 liters capacity.
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.

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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 January, 2023.	A.R for the year 2021-22 submitted on 30.6.2021.	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sanjay Kumar Mining Engineer & Mine Manager T. Hayavadana, Geologist	Appears to be correct.	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Mine Working- 16.80 Ha Dumping - 15.35 Ha Other purpose- 4.77ha Infrastructure - 0.1ha	Appears to be correct	-

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9d	Scrutiny of Annual return on afforestation	Nil	Afforestation not carried out.	Violation pointed out.
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 -66822t Production of Iron ore - 124000t C/S -190822.53t	Appears to be correct	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of production-Rs 422.7/tonne. Av.Ex- pricemine- Rs 0.00/tonne	Appears to be correct	-
9h	Scrutiny of Annual return on fixed assets	Fixed Assets- Rs2605496 /-	NA	-
9k	Scrutiny of Annual return on mining machineries	Machinery deployed: Excavators- 3 Tippers- 9 Drill-1 Wheel Loaders- 1 Water tanker- 2(10K)	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)	17-APR-23			

**Date :**

**(K.SRINIVAS)**

Indian Bureau of Mines