

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

**Review and updation of Mining Plan REPORT**

**Bangalore regional office**

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

**Mine code :** 30KAR03163

- (i) Name of the Inspecting : **S21** ) **H M Shivakumar**  
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Mr. SanjayKumar, Senior Mines manager  
Official with  
Designation
- (iv) Date of Inspection : 09/04/2022
- (v) Prev.inspection date : 06/05/2019

**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 : 03/07/2007
- (h) Weekly day of rest : SUN
2. Address for : M/s Shree Gavisiddeshwara Minerals  
correspondance : #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 : 27/05/2019
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/ : 02/08/2019  
 Termination date

## Manager

Name : SANJAY KUMAR  
 Qualification : B.E.MINING F.CC  
 Appointment/ : 02/08/2019  
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	23/01/2013
Plan/Scheme of Mining		MS modif under MCR 1960	15/12/2015
		MP review under 17(1) MCR 2016	12/06/2019
		MP review under 17(1) MCR 2016	24/06/2020

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil.	Nil.	16 RC Holes (610 Meters Depth) Due in the Previous Financial Year.
1b	Exploration over lease area for geological axis 1 or 2	Nil.	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	Nil.	Nil.	Exploration proposed in period of the RUMP submitted.
1e	Balance reserve as on 01/04/20		7,03,026 Tons	Reserves as per AR 2021-22.
1f	General remarks of inspecting officers on geology, exploration etc		The Mine is worked with two separate pits. Pit-1 consists of six steeply dipping lenses of Iron Ore exposed as the remnant of the major Iron Ore band varying from 50 to 150m in length and width 10m to 30 m with average grade Iron Ore of 58.7% Fe. Also the mining lease consists of float ore ranging from 2mm to 100mm.	Exploration in the mine is carried out by drilling 33 Noncore holes of 1341 m up to 2015 and the proposed exploration by 12 boreholes of 610m is not carried out reportedly due to legal issues. The mine is yet to be fully explored. Violation Issued.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	Development Proposed: - South Block (AD-1) N - 1664488 N - 1664478 E - 674594 E - 674606  (AD-2) N - 1663767 N - 1663789 E - 674705 E - 674839  (AD-3) N - 1662810 N - 1662825 E - 675370 E - 675412	Development Proposed: - South Block NIL (AD-3) N - 1662810 N - 1662825 E - 675370 E - 675412	The Mine has reported production only for the month of February 22 & March 22 during the year 2021-2022 without carrying out the proposed development work. Violation issued.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate Benches proposed for OB & Mineral.	All the benches contain Ore & OB.	Overburden-8 no. Mineral - 4 no. Flote working-1 no.
2c	Stripping ratio or ore to OB ratio	1: 2.24	1: 0.30	The Mine has reported production only for the month of February 22 & March 22 during the year 2021-2022 without carrying out the proposed development work and achieving only 50% of proposed production quantity for the year. Violation issued.
2d	Quantity of topsoil generation in m3	No proposal.	Nil.	No generation of Top Soil.
2e	Quantity of overburden generation in m3	5.83 lakh.	67,000 thousand Tons.	As per the AR for 21-22, 50,000 Tonnes of OB removal is reflected.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	The Mine is developed with 2 separate pits suitably to mine the float ore and iron reef deposits existing in the mine.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	2 pits.	South Pit (Pit No.2).	850m X 70 m Pit 2.
3b	Quantity of ROM mineral production proposed	2,59,573 Tons.	1,24,000 Tons.	The Mine has reported production only for the month of February 22 & March 22 during the year 2021-2022 achieving only 50% of proposed production quantity reportedly due to legal issues. Violation issued.
3c	Recovery of sailable/usable mineral from ROM production	95% in Reef Ore 73% in Flote	95% in Reef Ore 73% in Flote	No change.
3d	Quantity of mineral reject generation	No proposal	Nil.	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal.	NA	-
3f	Quantity of sub grade mineral generation.	No proposal.	NA.	
3g	Grade of sub grade mineral generation	No proposal.	NA.	

3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized method proposed for segregation from ROM.	Processing ROM by dry crushing & screening plant.	No segregation work has been done in this Financial Year 2021-22 and only ROM production reported during the month of Feb 2022 & March 2022.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	No Beneficiation study carried out.	Nil
3j	Provision of drilling and blasting in mineral benches	The drilling & blasting only for Hard Formation.	The drilling & blasting only for Hard Formations, Use of Hydraulic rock Breaker.	Drilling and blasting provision is made in the mineral benches of hard strata and no drilling and blasting in float ore benches.
3k	Provision of mining machineries in mineral benches	Yes, Excavators -4 no. Wheel loader - 1 no Tippers - 10No's Drilling Machine - 1 no Compressor -1 no Mobile Crushing Plant 1 no Water tanker - 4no	Excavators -4 no. Wheel loader - 1 no Tippers - 10no.s Drilling Machine - 1 no Compressor -1 no Mobile Crushing Plant 1 no Water tanker - 4no's	The reported machineries are deployed at mines.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench height - 8m Bench width - 8m Not Less than the height of the Bench	Maintained as per proposal	The 8m height bench proposed is suitable for the proposed method of mining.
3m	Total area covered under excavation/pits	3.73 Ha.	3.73 Ha.	3.73 Ha. area is included in total mining area 16.80 Ha.

3n	Ore to OB ratio for the pit/mine during the year.	1: 2.24	1: 0.30	The Mine has reported production only for the month of February 22 & March 22 during the year 2021-2022 achieving only 50% of proposed production quantity reportedly due to legal issues. Violation issued.
3o	Total area put in use under different heads at the end of year	Mining - 16.90 Dumping - 18.01 Statutory Building - 0.10 Mineral Stock - 4.77 Road - 5.50 Safety Zone - 4.35 Others (Retaining wall & Garland Drain) - 0.51 Total = 50.14 Ha Untouched area - 79.86 Ha Grand Total = 130.00 Ha.	Mining - 16.90 Dumping - 18.01 Statutory Building - 0.10 Mineral Stock - 4.77 Road - 5.50 Safety Zone - 4.35 Others (Retaining wall & Garland Drain) - 0.51 Total = 50.14 Ha Untouched area - 79.86 Ha Grand Total = 130.00 Ha.	Mining is carried out in the already broken up area.
3p	Production of ROM mineral during the last five year period as applicable	2015-16: 200000 2016-17: 200000 2017-18: 00 2018-19: 00 2019-20: 259095 2020-21: 259597 2021-22: 259573	2015-16: 200000 2016-17: 00 2017-18: 00 2018-19: 00 2019-20: 224000 2020-21: 00 2020-21: 124000	From 2017-18 to 2018-19 Mining Plan was not prepared as the mine was not in operation due to reportedly legal issues.

3q General remarks of inspecting officers on method of mining etc.

The mines is operated with opencast mechanized means for winning the Iron Ore reefs and float ore and is suitable method for this type of Iron Ore deposits.

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 OB proposed .	Separate OB dump Maintained.	No generation of Top Soil and Mineral Rejects.
4b	Location of topsoil, OB and mineral reject dumps	Development Proposed: - South Block (AD-1) N - 1664488 N - 1664478 E - 674594 E - 674606  (AD-2) N - 1663767 N - 1663789 E - 674705 E - 674839  (AD-3) N - 1662810 N - 1662825 E - 675370 E - 675412	Development Proposed: - South Block  NIL  NIL  (AD-3) N - 1662810 N - 1662825 E - 675370 E - 675412	As per the field inspection no development or OB removal is carried out. However 50,000 Tonnes of OB removal is shown in AR 2021-22 submitted subsequent to our inspection. Violation is issued.
4c	Number of dumps within lease area and outside of lease area	WML - 07 (AD - 4 No's & IAD - 3 No's) OML - 0	WML - 07 (AD - 4 No's & IAD - 3 No's) OML - 0	One Active Dump in south pit is presently earmarked for proposed dumping waste.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dumps Proposed outside the Ultimate Pit Limit.	Dumps are located outside the Ultimate Pit Limit	All the dumps are located outside the UPL.
4e	Number of active and alive dumps.	Active - 4	Active - 4	4 active dumps WML.
4f	Number of dead dumps.	Dead Dumps- 03	Dead Dumps- 03	

4g	Number of dumps established.	ID 3, Proposed for Stabilization.	ID 3, is Being Stabilized.	ID 3, is Stabilized by planting 3000 saplings,
4h	Whether Retaining wall or garland drain all along dumps are there.	TW no. 2 &4 of Retaining Wall and Garland drain no. 2 &4 toe of the dump Proposed	Not achieved.	Proposed construction of 1230m Toe wall and 1255m garland during 2020-21 & 2021-22 not carried out. Violation issued.
4i	Length of Retaining wall or garland drain all along dumps	405 meters length Retaining wall 415 meters of Garland Drain	Not achieved.	Proposed construction of 1230m Toe wall and 1255m garland during 2020-21 & 2021-22 not carried out. Violation issued.
4j	Number of settling ponds	No proposal.	NA.	NIL
4k	Specific comments of inspecting officer on waste dump management			Proposed construction of 1230m Toe wall and 1255m garland during 2020-21 & 2021-22 not carried out. Violation issued. However inactive part of the dumps is partially stabilized by plantation.

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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.	Part back filling proposed	Back filling not carried out	The Mine has reported production only for the month of February 22 & March 22 during the year 2021-2022 and the Mineral was not fully Exhausted. Violation issued.

5b	Area under backfilling of mined out area	0.28 Ha.	Not achieved	The Mine has reported production only for the month of February 22 & March 22 during the year 2021-2022 and the Mineral was not fully Exhausted. Violation issued.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	NA	No topsoil generation in the mine.
5d	Total area fully reclaimed and rehabilitated	No proposal	NA	No area is fully reclaimed & rehabilitated
5e	General remarks of inspecting officers on backfilling and reclamation etc.			The Mine has reported production only for the month of February 22 & March 22 during the year 2021-2022 and no working of mines during the previous years of the plan period. Therefore the Mineral is not fully exhausted for backfilling and reclamation. Violation issued.

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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 on or before 1st July of every year	NO	Not submitted in time. Violation issued.
6b	Area available for rehabilitation (ha) .	No Proposals	NIL	NIL

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6c	afforestation done (ha).	0.75 Ha.	NIL	No afforestation carried out during the RY.
6d	No. of saplings planted during the year	1875	Not achieved	No afforestation/plantation carried out during the RY.
6e	Cumulative no .of plants	25425	25425	Appears to be correct.
6f	Any other method of rehabilitation	No proposal	NA	NIL
6g	Cost incurred on watch and care during the year		2,25,000/- towards watch & ward	Appears to be correct.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	0.28 Ha	NIL	Not complied. Violation issued.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Back filling proposed by waste material	NIL	Not complied. Violation issued.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Back filling proposed	NIL	Not complied. Violation issued.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	NIL	NIL

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	NIL	Not complied. Violation issued.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	NIL	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	NIL	NIL
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	NIL	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environmental monitoring proposed in core zone & Buffer Zone	Regular Environmental Monitoring carried out for air, water, Noise & soil in core& buffer zone	Environmental Parameters are monitored on regular basis and the readings observed to be within permissible limits.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			None of the proposed PMCP activities are complied with except for Environmental Parameters monitored on regular basis. Violation issued.

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Mineral Conservation:

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Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting proposed with in lease area	Grade wise separation is done with in the lease area	Dry crushing & screening is being used. Only ROM production reported during the month of Feb 2022 & March 2022. No Segregation is done in this Financial Year.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical method was proposed for mineral sorting	NIL	Mechanical sorting of mineral size wise is done by Crushing & Screening.
7c	Different grade of mineral sorted out at mines.	Different Grade proposed Above 45% Fe. To 63% Fe	Lumps & Fines 51% Fe to 60% Fe	Proposed size and grade wise mineral is produced and stacked in the mine site due to non receipt of FC i.r.o transportation road adjoining the mine.
7d	Any beneficiation process at mines	No proposal	NIL	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Size wise and grade wise mineral sorting , blending is done at mine site to achieve the saleable grade and size thereby taking care of the mineral conservation aspect.

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Proposal,	There is no generation of top soil during plan period	The working within the broken-up area.
8b	Concurrent use or storage of topsoil	No Proposal	NIL	NIL

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No Proposal	NIL	Separate dumps are created for overburden and waste rock.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Back filling was proposed 0.28 Ha.	Not achieved	Mineral was not fully exhausted due to limited Production days during the plan period reportedly due to legal issues. Violation issued.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal	NIL	Back filling over mined out areas was proposed over 0.28 Ha. Mineral was not fully exhausted due to limited production days during the plan period reportedly due to legal issues. Violation issued.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	25425 Saplings planted till date cumulatively	25425 Saplings planted till date cumulatively	Appears to be correct.
8g	Survival rate	--	--	--
8h	Water sprinkling on roads to control airborne dust	Water sprinkling is proposed on haul roads to control airborne dust	Regular water sprinkling is done to suppress the dust	Lessee has deployed 4 no of water tankers of 8000 liters capacity each for the purpose.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around the mine is reasonably good with plantation done by the lessee and thick natural vegetation existing in the surrounding forest lands.

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Compliance of Rule 45:

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Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to March 2022 on 01/04/2022. ***** A.R. Submitted up to 2020-21		AR and MR not submitted within the stipulated time. Violation issued. The Mine has reported ROM production only for the month of February 22 & March 22 during the year 2021-2022,
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer Mr. Sanjay Kumar	Mining Engineer & Mines Manager were present during the inspection	Violation issued on scrutiny of AR for the year 2020-2021.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Mining - 16.90 Dumping - 18.01 Statutory Building - 0.10 Mineral Stock - 4.77 Road - 5.50 Safety Zone - 4.35 Others (Retaining wall & Garland Drain) - 0.51 Total = 50.14 Ha Untouched area - 79.86 Ha Grand Total = 130.00 Ha.	Land use Reported in the AR-2020-21 is as follows: Mining - 16.80 Dumping - 15.35 Statutory Building - 0.10 Mineral Stock and afforestation - 4.77	Violation issued on scrutiny of AR for the year 2020-2021.
9d	Scrutiny of Annual return on afforestation	Within ML area 1875	NIL	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Rom Opening stock 66822.530 Mts Production - 124000 Closing Stock -190822.530 Mts	Production and dispatch reflected as Nil for 275 day working during 2020-2021.	Violation issued on scrutiny of AR for the year 2020-2021.

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Average sale value for Lumps. Bellow 55% Fe - Rs 2391/ton 55% to 58% Fe - Rs 3352/ton 58% to 60% Fe - Rs 4990/ton And For Fines Bellow 55% Fe Rs 1141/ton 55% to 58% Fe Rs1800/ton 58% to 60% Fe Rs 2400/ton	Average sale value for Lumps. Bellow 55% Fe - Rs 2020/ton in AR-2020-21.	Violation issued on scrutiny of AR for the year 2020-2021.
9h	Scrutiny of Annual return on fixed assets	Rs. 36,06,223/-	Violation issued on scrutiny of AR for the year 2020-2021 for incorrect reporting of value of fixed assets.	
9k	Scrutiny of Annual return on mining machineries	Excavators - 4No's Wheel loader - 1 no Tippers - 10no.s Drilling Machine - 1 no Compressor -1 no Mobile Crushing Plant 1 no Water tanker - 4no	The reported machineries were found deployed in the mine site.	

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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)	05/05/2022			
MCDR17	Rule 26(2)	05/05/2022			
MCDR17	Rule 28(1)	05/05/2022			
MCDR17	Rule 29	05/05/2022			
MCDR17	Rule 33	05/05/2022			
MCDR17	Rule 46(a)	05/05/2022			
MCDR17	Rule 45(7)(a)	05/05/2022			

**Date :**

**(H M Shivakumar)**

Indian Bureau of Mines