

CHECKUP INSPECTION REPORT (2024-25)

S. N.	Particulars	Details
1	Name of the Mine	Redi Iron Ore Mine (Block I)
2	Total Lease Area (Ha) with breakup of non-forest and forest land	(Non-Forest) Mining Lease: 94.7060
3	Mine code	30MSH28004
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/585/2011
5	Name of the lessee, Address, phone, email and fax number	M/s Gogte Minerals 146, Tilakwadi, Budhawarpeth, Belagavi, Karnataka -590006 Ph: (off) 0831-2407755 Fax: 0831-2426487 Email Id – gogte.minerals@gmail.com
6	Village	Redi
7	Taluk/Mandal	Vengurla
8	District	Sindhudurg
9	Pin code	416517
10	State	Maharashtra
11	Post office	Redi
12	Nearest police station	Vengurla
13	Nearest Railway station	Sawantwadi Road Railway Station
14	Date of Grant of Mining Lease	12/01/2006
15	Date of Execution	01/08/2006
16	Date of opening of Mine	---
17	Date of first Renewal, if applicable and its period & expiry	Not Applicable
18	Date of second Renewal, if applicable and its period & expiry	Not Applicable
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not Applicable
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Mr. Madhav Arvind Gogte 146, Tilkwadi, Budhawar Peth, Belgavi, Karnataka-590006 Ph: (off) 0831-2407755 Mobile 9820106990 Fax: 0831-2426487 Email Id – gogte.minerals@gmail.com Date of Appointment – 04.08.2020
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr. Pramod Sarode Redi Iron Ore Mine of M/s Gogte Minerals At Post Redi, Taluka Vengurla, Sindhudurg Ph: 9765551228 Email: gogte.minerals@gmail.com Date of Appointment: 02.05.2024
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mr. P Sreenivasa Rao Redi Iron Ore Mine of M/s Gogte Minerals at Post Redi, Taluka Vengurla, Dist. Sindhudurg, Maharashtra 416517 Phone: 9823017332 Email: rediminesmanager@yahoo.in

		Date of appointment: 21.12.2018
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mr. P Sreenivasa Rao Redi Iron Ore Mine of M/s Gogte Minerals at Post Redi, Taluka Vengurla, Dist. Sindhudurg, Maharashtra 416517 Phone: 9823017332 Email: rediminesmanager@yahoo.in Date of appointment: 23.05.2024
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Mining Engineer: Mr. P Sreenivasa Rao Qualification - AMIE. Mining Experience – 23 yrs Address - At Post Redi, Taluka Vegurla, Dist. Sindhudurg, Maharashtra 416517 Phone: 9823017332 Email: rediminesmanager@yahoo.in Date of appointment: 23.05.2024 Geologist: Mr. Riyazahmed Barudwale Qualification: M.Sc Geology Experience: 31 yrs Address: At Post Redi, Taluka – Vengurla, Dist. Sindhudurg, Maharashtra 416517 Phone: 7798632286 Email: riyazahmedbarudwale@gmail.com Date of Appointment: 25.02.2019
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Review of MP RMP/MECH-05(MAH)/GOA/2020-21 Dated: 10/03/2021 Period: 2021-22 to 2025-26 Modification in RMP RMP/MECH-05(MAH)/GOA/2020-21 Vol I dated 23/03/2022 Period - 2022-23 to 2025-26 Modification in RMP MCDR-MPC0FE/1/2023-GOA-IBM_RO_GOA dated: 07.07.2023 Period:2023-24 to 2025-26 Modification in RMP MCDR-MPC0FE/5/2024-GOA-IBM_RO_GOA dated 08-10-2024 Period 2024-25 to 2025-26

26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	<p>Review of MP RMP/MECH-05(MAH)/GOA/2020-21 Dated 10/03/2021 Period – 2021-22 to 2025-26</p> <p>Modification in RMP RMP/MECH-05(MAH)/GOA/2020-21 Vol I dated 23/03/2022 Period - 2022-23 to 2025-26</p> <p>Modification in RMP MCDR-MPC0FE/1/2023-GOA-IBM_RO_GOA dated 07.07.2023 Period - 2023-24 to 2025-26</p> <p>Modification in RMP MCDR-MPC0FE/5/2024-GOA-IBM_RO_GOA dated 08-10-2024 Period 2024-25 to 2025-26</p>
27	Mineral(s) granted in lease and proved for mining	Iron Ore
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanized, Others or Manual)	Fully Mechanized
30	Captive/ Non captive	Non captive
31	Date of inspection	21/11/2024
32	Name of accompanying mine officials with designation	<ol style="list-style-type: none"> 1. Mr. Pramod Sarode- Agent 2. Mr. Sreenivasa Rao-Mines Manager/Mining Engineer 3. Mr. Riyazahmed Barudwale-Geologist 4. Mr. Narendra Gawas-Mine Surveyor

Exploration (2023-24)

S.N.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	G1 proposed	Exploration has been completed under G1 stage	G1: 34.58 Ha. Proved as non-mineralized: 60.12 Ha.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	In-house 8.79 Lakhs Rupees	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Entire potential area has been explored under G1 exploration
1e	Balance reserves as on 01.04.2024	Nil	4.199 Million Tonnes	(Entire Reserves & Resources = 16.56 million tonnes) as per AR-23-24.
1f	General remarks of inspecting officer on geology, exploration etc.	The iron ore of the mine predominantly comprise of Hematite. The length of the ore deposit within the mining		

		lease is about 2.3 kms and average thickness is 25m - 45 m. The general strike of the ore body is NW-SE direction, but some places it has taken swing & the direction changes up to E-W. The general dip of the ore body is 42 to 55 degrees towards N & NE. Entire potential area has been explored under G1 exploration. Cumulatively up to 31.03.2024, Lessee has drilled 125 no of exploratory boreholes over 9216m. No further exploration is proposed.
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Development (2023-24)

S.N.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Pit working proposed between N 1740560 to 1741292 & E 358095 to 358780. Level: 30 to -78m	N 1740560 to 1741283 & E 358095 to 358732 30 to -74	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Yes	Yes	No Topsoil bench.
2c	Stripping ratio or ore to OB ratio in m3	1:3.09	1:3.24	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	379077.50	397202.585	18125 m3 of excess development is achieved.
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The mine is developed with 2 pits namely 203 pit & Mauli pit. The Mauli pit measuring 4.20Ha is fully reclaimed and rehabilitated. The active 203 pit is developed measuring over 31Ha with 19 benches in OB and 13 benches in mineral suitably to win the mineral (Iron Ore) from this type of deposit.		

Exploitation (2023-24)

S.N.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	One	One	Workings carried out in the proposed ID203 pit.
3b	Quantity of ROM mineral production proposed	368000	367952.61	Proposed production fully achieved.
3c	Recovery of salable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral reject generation and threshold value declared	Nil	Nil	
3f	Quantity of sub-grade mineral generation	Nil	Nil	
3g	Grade of sub-grade mineral generation	Nil	Nil	
3h	Manual / Mechanized method adopted for segregating from ROM	Mechanized	Mechanized	
3i	Any analysis or beneficiation	Nil	Nil	

	study proposed & carried out for sub-grade mineral and reject			
3j	Provision of drilling & blasting in mineral benches	Nil	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	31.73	33.976	
3n	Ore to OB ratio for the pit/mine during the year	1:2.06	1:2.15	
3o	Total area put in use under different heads at the end of year	Opencast Mining- 31.73 Waste Dumping- 44.16 Infrastructure & Roads – 3.94 Others (Mineral Storage Protective Measures) – 6.08	Opencast Mining - 33.976 Waste Dumping- 30.125 Infrastructure & Roads - 3.915 Others (Mineral Storage Protective Measures) - 5.509	<p>The proposed area put to use under different heads at the end of 2023-24 is as per approved Modifications in Approved Review of Mining Plan for an area of 94.706 Ha. and 30.1175 Ha. of additional area while actual area put to use under different heads is calculated for an area of 94.706 Ha (ML area)</p> <p><u>Opencast mining:</u> In the approved proposal, a temporary waste backfilling area within the opencast mining area was shown under the heading of waste dumping. While under actual work heading, the area of temporary waste backfilling is considered under opencast mining. Hence, there is an increase in the opencast mining area.</p> <p><u>Waste dumping:</u> In the approved proposal, the area of waste dump present at</p>

				additional area was considered in waste dumping area apart from the waste dump area within ML area. While under actual work heading, the waste dump area present at additional area was not considered and only the area of waste dump within ML area was considered.
3p	Production of ROM mineral during last five-year period, as applicable	2019-20 = 3,68,000 tonnes 2020-21 = 3,68,000 tonnes 2021-22 = 3,68,000 tonnes 2022-23 = 500000 Tonnes 2023-24 = 3,68,000 tonnes	2019-20 = 3,67,699.59 tonnes 2020-21 = 3,67,964.73 tonnes 2021-22 = 3,67,954.91 tonnes 2022-23 = 367969.15 tonnes 2023-24 = 367952.61 tonnes	
3q	General remarks of inspecting officer on method of mining etc.	Mining is carried out by open cast mechanized method of mining with combination of excavators and tippers & without deep-hole drilling and blasting.		

Solid Waste Management-Dumping (2023-24)

S.N.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Yes	Yes	
4b	Location of topsoil, OB & mineral reject dumps	OB dump: Within Lease	OB dump: Within Lease	
4c	Number of dumps within lease area and outside lease area	Dumps within lease-06 Dumps outside lease area- Nil	Dumps within lease-06 Dumps outside lease area- Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No	No	
4e	Number of active & alive dumps	Active Dumps-05	Active Dumps-05	
4f	Number of dead dumps	01	01 (Dump No. 4)	
4g	Number of dumps stabilized	--	--	
4h	Whether Retaining wall or garland drain all along dumps are there	Yes	Yes	
4i	Length of Retaining wall or garland drain all along dump	197 mts (Retaining wall)	197 mts (Retaining wall)	Retaining wall constructed as per the proposal & there is no proposal for garland drain

				However, lessee has constructed 4800 m length of trenches along the toe of the dump & benches towards protective measures
4j	Number of settling ponds	Nil	8 Nos	
4k	Specific comments of inspecting officer on waste dump management.	Waste dumps are systematically and scientifically managed with all the engineering structures and plantations for safety and stability of the waste dumps.		

Solid Waste Management-Backfilling (2023-24)

S.N.	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Temporary backfilling proposed.	Temporary backfilling carried out at eastern side of the working pit.	Re-handling of backfilled material proposed during conceptual stage.
5b	Area under backfilling of mined out area	4.32 Ha.	4.20 Ha.	Temporary backfilling
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No proposal	Nil	
5d	Total area fully reclaimed & rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Temporary backfilling was carried out at eastern side of the Mine pit during 2023-24 as per approved proposal. Mine Pit is not matured for rehabilitation by permanent backfilling since mineral persists at the bottom of working Pit.		

Progressive Mine Closure Plan (2023-24)

S.N.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E (2). Details should be given in the format as given in Annexure-20.	Yes	Yes	Submitted on 29-06-2024
6b	Area available for rehabilitation (ha)	1.0950	1.0950	
6c	Afforestation done (ha)	1.0950	1.0950	
6d	No. of saplings planted during the year	2738	8850 (Including gap filling)	
6e	Cumulative no. of plants	-	133352	
6f	Any other specific method of rehabilitation	Nil	Dump slopes covering with geotextile	
6g	Cost incurred on watch & care during the year	-	4.11 Lakh Rs.	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D)	NA	NA	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings	NA	NA	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area	NA	NA	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA	
6l	Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means	NA	NA	
6m	Compliance of Rehabilitation of waste land within lease (i) Afforestation	NA	NA	
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha)	NA	NA	
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	NA	NA	
6p	Compliance of Environmental monitoring (core zone & buffer zone)	Environment Monitoring Proposed	Monitoring Carried by Mineral Engineering Services-Bellary	
6q	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Yearly PMCP report has been submitted. Area not matured for permanent backfilling as the full extraction of the mineral not undertaken in any part of the mine. All the proposed PMCP activities are satisfactorily carried out.		

Mineral Conservation (2023-24)

S.N	Item	Proposals	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	Mechanical	Mechanical	
7c	Different grade of mineral sorted out at mines	51-55% Fe and 55-58%Fe	51-55% Fe and 55-58%Fe	
7d	Any beneficiation process at mines	Mobile Dry Crushing/Screening	Mobile Dry Crushing/Screening	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The entire ore produced are suitably blended to bring it to marketable grade thereby taking care of mineral conservation aspects. No beneficiation is proposed or required.		

Environment (2023-24)

S.N.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil	Not Applicable	Not Applicable	

	(Rule 32)			
8b	Concurrent use or storage of topsoil	Not Applicable	Not Applicable	
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	Nil	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	--	Cumulative of 133352 saplings have been planted on matured slopes of Surface Dumps as on 31.03.2024.	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)		Cumulative of 124502 saplings have been planted on matured slopes of Surface Dumps as on 31.03.2023.	
8g	Survival rate	70%	70%	
8h	Water sprinkling on roads to control airborne dust	Proposed	Water Sprinkling on roads with two water tankers of 8K each capacity, Nevis Mist Spray and Sprinklers along the Main transport road	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Aesthetic beauty in and around the mine is satisfactorily maintained by way of plantation in good numbers and also naturally good due to presence of thick vegetation and coastal area in the vicinity.		
Compliance of Rule 45 (2023-24)				

S.N.	Item	COMMENTS				Remarks																												
9a	Status of submission of Monthly and Annual returns	MR Submitted up to = Oct 2024 on 08-11-2024 AR Submitted up to = FY 2023-24 on 29-06-2024																																
S.N o.	Item																																	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer – Mr. P Sreenivasa Rao Geologist – Mr. Riyazahmed Barudwale Mines Manager – Mr. P Sreenivasa Rao				The reported officials were present on the day of inspection.																												
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under O/C: 33.976Ha Reclamation/Rehabilitated: 0 Waste disposal: 30.125 Ha Buildings, Roads: 3.915 Ha Others (Mineral Storage, Env. Works, broken-up area): 5.509 Ha.																																
9d	Scrutiny of Annual return on afforestation	8850 plants				Appears to be correct.																												
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil																																
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM stock: 30691.45 Tonnes 55-58% Lumps: 12357.77 Tonnes 58-60% Lumps: 139.74 Tonnes 58-60% Fines: 2142.14 Tonnes																																
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	<table border="1"> <thead> <tr> <th colspan="4">Sale Value & Ex-Mine Price</th> </tr> <tr> <th colspan="4">LUMPS</th> </tr> <tr> <th>Grade%</th> <th>Quantity (Tonnes)</th> <th>Sale Value (Rs.)</th> <th>Ex-mine Price (Rs.)</th> </tr> </thead> <tbody> <tr> <td>51-55%</td> <td>2999.40</td> <td>5630834.00</td> <td>1877.32</td> </tr> <tr> <td>55-58%</td> <td>40574.03</td> <td>104497455.00</td> <td>2575.48</td> </tr> <tr> <th colspan="4">FINES</th> </tr> <tr> <th>Grade % Fe</th> <th>Quantity (Tonnes)</th> <th>Sale Value (Rs.)</th> <th>Ex-mine Price</th> </tr> </tbody> </table>				Sale Value & Ex-Mine Price				LUMPS				Grade%	Quantity (Tonnes)	Sale Value (Rs.)	Ex-mine Price (Rs.)	51-55%	2999.40	5630834.00	1877.32	55-58%	40574.03	104497455.00	2575.48	FINES				Grade % Fe	Quantity (Tonnes)	Sale Value (Rs.)	Ex-mine Price	
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		(Rs.)					
		51-55%	9993.06	17359944.00	1737.20		
		55-58%	314416.44	751721427.00	2390.85		
		Cost of Production (₹) 1561.04					
9i	Scrutiny of Annual return on fixed assets	Value of Fixed Assets = 43408769 Rupees				Appears to be correct.	
9k	Scrutiny of Annual return on mining machineries	Sr.No.	HP/Cu.Mtr	Type of Machine	No. of units	The reported machineries were found deployed in the mine on the day of inspection.	
		1	450 HP	Dozer	1		
		2	183 HP	Dozer	2		
		3	2.450 CuM	Backhoe	3		
		4	1.600 CuM	Backhoe	2		
		5	2.800CuM	Wheel loader	2		
		6	8.000 CuM	Tipper	35		
		7	35.00 Tonne	Dumper	4		
		8	30.00 CuM	Dumper	6		
		9	8000.00 Litres	Water Tanker	2		
		10	400.000	Others	1		
		11	1.700 CuM	Wheel loader	2		
		12	5000 LMN	Pumps (Non-Elect)	1		
13	8333 LMN	Pumps (Electrical)	2				
Details of violations observed during current inspection and compliance position of violation pointed out							
		<u>Violation observed</u>			<u>Show Cause position</u>		
Rule NO.		Issued on	Compliance on	Rule NO.	Issued on	Compliance on	
	Nil				Nil		

(V. J. K. Babu)
Controller of Mines (South Zone)
Indian Bureau of Mines, Bengaluru.