

INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION
Modification in approved Mining Plan REPORT
Jabalpur Regional Office

1	Name of Inspecting officer:	Shri Madhavrao Sabre
2	Designation	Sr Mining Geologist, IBM Jabalpur
3	Accompanying mine official with Designation	Hardeo Singh (Agent), Shanker Lal Mali (Mine Manager)
4	Date of Inspection	09.05.2024
5	Previous Inspection date	11.06.2021

Part-I: General

S.No	Particulars	Details
1	Name of the Mine	Ghondi Manganese Ore Mines
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	40.47 Hectare (Non-Forest and Govt Land)
3	Mine code	40MPR01075
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/22613/2019
5	Name of the lessee, Address, Phone, email and fax number	I Patric Dhanraj, Add- Om kutir, Opp. Dr Sagar Nursing Home, Civil Lines, Raipur, Chhattisgarh, 492001 Email- ghondimining@gmail.com Contact- 9981921136
6	Village	Ghondi
7	Taluka/Mandal	Paraswada
8	District	Balaghat
9	Pin code	481105
10	State	Madhya- Pradesh
11	Post Office	Rupjhar
12	Nearest Police Station	Ukwa
13	Nearest Railway Station	Balaghat
14	Date of opening of Mine	Jan-2019
15	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	-
16	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Hardeo Singh - Address- Village- Ghondi, Tehsil- Paraswada, Dist.- Balaghat, Madhya Pradesh, 481105, Email- ghondimining@gmail.com
17	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Shanker Lal Mali- Address- Village- Ghondi, Tehsil- Paraswada, Dist.- Balaghat, Madhya Pradesh, 481105, Email- ghondimining@gmail.com
18	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	I Patric Dhanraj, Add- Om kutir, Opp. Dr Sagar Nursing Home, Civil Lines, Raipur, Chhattisgarh, 492001 Email- ghondimining@gmail.com
19	Whether Geologist (with details of appointment) and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Karan Kumar Sonwane

I/34489/2024

20	Date of Approval of Mine Plan/Modified Mine Plan with five-year period and specific condition in approval letter, if any.	Date- 20/07/2021,
21	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	-
22	Mineral(s) granted in lease and approved for Mining	Manganese Ore
23	Method of Mining (Opencast, Underground)	Current- Opencast, Further Proposal- Underground
24	Category (Fully Mechanized, Others or Manual)	Category A, Mechanised
25	Captive/Non-Captive	Captive

Details about Mining Plan/ Review of Mining Plan etc

a) Letter No. and date of approval of mining plan	:	BGT/MN/MPLN-657/NGP/2015, Date- 17.08.2016
b) Letter No. and date of approval of review of mining plan	:	MP/Jabalpur/Iron& Manganese/RMP-29/2021-22/5477, JABALPUR dated 20.07.2021
c) Condition while approving the MP/ RMP/ modification	:	
d) Period of mining plan/ mining scheme in force :	:	2021-22 to 2025-26

PART III-MCDR Report details.

- Scientific Mining:** Compliance of proposals of approved mining plan/scheme of mining. (Duplication of information in existing TMIS data sheets and draft write up has been avoided.)

Exploration

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year (before 2023-24)	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2 (for 2023-24)	No proposal	Nil	All area already explored at G-1 level.
1c	Exploration Agency & Expenditure in Lakh Rupees during the year (for 2023-24)	Nil	Nil	
1d	Balance area to be explored to bring the Geological axis in 1 or 2. (for 2023-24)	Nil	Nil	
1e	Balance reserves as on 01.04.2024	-	197595 tonnes reserves remaining as on date 01.04.2024	
1f	General remarks of Inspecting officer on geology, exploration etc.	Rocks of the area belong to Sauser Super Group. Mn ore is associated with Gondite rock of Mansar Formation. No exploration was proposed in Reporting year.		

2. Development (FY 2023-24)

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	X5 TO X8	X5 to X7	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Yes	Separate bench for TOP soil developed	
2c	Stripping ratio or ore to OB ratio	1:13.28	1.:40	Violation issued.
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3(2022-23)	349106	175545	Violation Issued for short fall.
2f	General remarks of	During the year 2022-23 development is not done as per proposal for which		

I/34489/2024

	Inspecting officer on development of pit w.r.t type of deposit etc.	violation issued.
--	---	-------------------

3. Exploitation FY 2023-24

S. N.	Item	Proposals	Actual Work	Remarks																		
3a	Number of pits proposed for production	1	1																			
3b	Quantity of ROM mineral production proposed	<table border="1"> <tr> <td></td> <td>O/C</td> <td>U/g</td> </tr> <tr> <td>2022-23 :</td> <td>18554</td> <td>9893</td> </tr> <tr> <td>2023-24 :</td> <td>18662</td> <td>10018</td> </tr> </table>		O/C	U/g	2022-23 :	18554	9893	2023-24 :	18662	10018	<table border="1"> <tr> <td></td> <td>O/C</td> <td>U/g</td> </tr> <tr> <td>2022-23 :</td> <td>4376</td> <td>Nil</td> </tr> <tr> <td>2023-24 :</td> <td>47</td> <td>Nil</td> </tr> </table>		O/C	U/g	2022-23 :	4376	Nil	2023-24 :	47	Nil	Violation issued for shortfall in production.
	O/C	U/g																				
2022-23 :	18554	9893																				
2023-24 :	18662	10018																				
	O/C	U/g																				
2022-23 :	4376	Nil																				
2023-24 :	47	Nil																				
3c	Recovery of Salable/usable minerals 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 segregation from ROM	Manual	Manual																			
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Nil	Nil																			
3j	Provision of drilling & blasting in mineral benches	Yes Planned	Done																			
3k	Provision of mining machineries in mineral benches	Yes	<table border="1"> <tr><td>DUMPER</td></tr> <tr><td>SHOVEL (HYDRAULIC)</td></tr> <tr><td>AIR COMPRESSOR</td></tr> <tr><td>BLAST HOST DRILL</td></tr> <tr><td>FRONT END LOADER</td></tr> </table>	DUMPER	SHOVEL (HYDRAULIC)	AIR COMPRESSOR	BLAST HOST DRILL	FRONT END LOADER														
DUMPER																						
SHOVEL (HYDRAULIC)																						
AIR COMPRESSOR																						
BLAST HOST DRILL																						
FRONT END LOADER																						
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6 meters height	6 meters height																			
3m	Total area covered under excavation /pits (Ha.)	8.380 Ha	8.380 Ha																			
3n	Ore to OB ratio for the pit/mine during the year	1:13.28	1:40																			

3o	Total area put in use under different heads at the end of year		1.Covered under current (O-C) Workings: 8.380 Ha 2. Used for waste disposal: 8.400 Ha 3) Occupied by plant, buildings, residential, welfare buildings and roads: 1.70 Ha 4) Used for any other purpose (specify)Green Belt: 8.60 Ha				
3p	Production of ROM mineral during last five-years period, as Applicable	Year	O/C	U/g	Year	O /C	U/g
		2019-20	18508	-	2019-20	1371	Nil
		2020-21	18743	-	2020-21	5327	Nil
		2021-22	7286	8349	2021-22	4923	Nil
		2022-23	18554	9893	2022-23	4376	Nil
		2023-24	18662	10018	2023-24	47	Nil
		-	-	-	-	-	-
		-	-	-	-	-	-
3q	General remarks of inspecting officer on method of mining etc.	During the year 2022-23 and 2023-24 very less production is done with respect to proposals for which Violation letter issued.					

4. Solid Waste Management-Dumping (FY2023-24)

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	One Dump	One dump	
4b	Location of topsoil, OB & mineral reject dumps	OB Dump- Within lease area	Within lease area	
4c	Number of Dumps within lease area and outside lease area	Within lease area- 1 Outside lease area-0	Within lease area- 1 Outside lease area-0	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	-	Southern side of ultimate pit and between section X1 to X8.	
4e	Number of Active & Alive dumps	1 No	1 Nos	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps established	1 Nos	1 Nos	
4h	Whether Retaining wall or garland drain all along dumps are there	Garland drain	Garland drain	
4i	Length of Retaining wall or garland drain all along dump	-	500 meters	
4j	Number of settling ponds	-	-	One water pond has been made.
4k	Specific comments of inspecting officer on waste dump management	Dumping is done at en marked place during the RY. A garland drain of 500 m is constructed.		

5. Solid Waste Management-Backfilling (FY 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	Nil	Nil	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Nil	Nil	
5d	Total area fully reclaimed & rehabilitated (Ha)	Nil	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Full extraction of mineral is yet to be achieved so, No back filling has been done.		

6. Progressive Mine Closure Plan(FY 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	-	Submitted in stipulated time.	
6b	Area available for rehabilitation (Ha)	Nil	Nil	
6c	Afforestation done (ha)	2.68 Hectare	Infilling of saplings in previous planation	9650 Nos Cumulative plantations have been done till 2023-24 over 8.6-hectare area. This plantation has been done on the non-mineralized zone.
6d	No. of saplings planted during the year	2500	2150 Nos	
6e	Cumulative no. of plants	-	9650 Nos	
6f	Any other specific method of rehabilitation	Nil	-	
6g	Cost incurred on watch & care during the year	-	-	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L X B X D).	-	-	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings.	-	-	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area.	-	-	

I/34489/2024

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir.	-	-	
6l	Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means	-	-	
6m	Compliance of Rehabilitation of waste land within lease (i)Afforestation	-	-	
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation	-	Plantation and water reservoir on non-mineralized zone.	
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	Plantation and water pond	Plantation and water pond.	Yearly plantation is being carried out.
6p	Compliance of Environment monitoring (core zone & buffer zone)	Yes	Air water monitoring is being regularly.	
6q	General remarks of inspecting officer on PMCP compliance & progressive closer operations	During the year 2022-23 ,2150 saplings planted		

7. Mineral Conservation(FY 2023-24)

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	-	47 tonnes	Proposal of 18662 tonnes for both o/c and u/g mining
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	-	-	
7c	Different grade of mineral sort out at mine	No sorting of mineral at mines	No sorting of mineral at mines	
7d	Any beneficiation process at mines	No beneficiation opted at mines	No beneficiation opted at mines	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	ROM is dispatched to stockyard . no sorting is done in the lease area.		

8. Environment (FY 2023-24)

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	-	Topsoil have been removed separately and used for plantation.	-
8b	Concurrent use or storage of topsoil	Storage to top soil	Top soil used for plantation.	-
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	OB dump proposed	Separate OB dump maintained	-
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	-	It is being utilized for haul road and restoring land.	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	-	Further work has been planned for underground mines operation.	-
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	-	2150 Nos	9650 saplings have been

I/34489/2024

				planted till 2023-24
8g	Survival rate	-	60%	-
8h	Water sprinkling on roads to control airborne dust		Complied	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Till May 2024, 9650 saplings have been planted , some quantity of overburden, waste rock is utilized in maintaining haul roads.		

9. Compliance of Rule 45 (2023-24)

S.N.	Item	Comments	Remarks																																												
9a	Status of submission of monthly and Annual returns	Monthly return submitted, Annual return of 2022-23 submitted on 29.06.2023																																													
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes, details furnished.																																													
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes furnished.																																													
9d	Scrutiny of Annual return on afforestation	Yes details furnished, during the year 2022-23, 2160 saplings planted.																																													
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil																																													
9f	Scrutiny of Annual return on ROM stock and/or grade ore	During the year, 2022-23 4375.760 T production of Mn ore done, 3529.740 T Ore dispatched. During the year, 2023-24 , 47 T of Mn ore produced.																																													
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	For 2022-23 , Below 25% Mn, Ex Mine price of Rs 4127.09 furnished.																																													
9i	Scrutiny of Annual return on Fixed assets	For 2022-23, (₹ 13035557)																																													
9k	Scrutiny of Annual return on mining Machineries	<p>Yes ,</p> <table border="1"> <thead> <tr> <th>Type of machinery</th> <th>Capacity of each type of machinery</th> <th>Unit (in which capacity is reported)</th> <th>No. of machinery</th> </tr> </thead> <tbody> <tr> <td>DUMPER</td> <td>16.000</td> <td>TONNE</td> <td>6</td> </tr> <tr> <td>SHOVEL (HYDRAULIC)</td> <td>1.900</td> <td>CUM</td> <td>2</td> </tr> <tr> <td>AIR COMPRESSOR</td> <td>400.000</td> <td>CUM/MN</td> <td>1</td> </tr> <tr> <td>BLAST HOST DRILL</td> <td>110.000</td> <td>MM</td> <td>1</td> </tr> <tr> <td>FRONT END LOADER</td> <td>1.000</td> <td>CUM</td> <td>1</td> </tr> <tr> <td>JEEP/TRACTOR</td> <td>50.000</td> <td>HP</td> <td>1</td> </tr> <tr> <td>DOZER</td> <td>160.000</td> <td>HP</td> <td>1</td> </tr> <tr> <td>PUMPS (ELEC.)</td> <td>1500.000</td> <td>L/MN</td> <td>1</td> </tr> <tr> <td>PUMPS (ELEC.)</td> <td>400.000</td> <td>L/MN</td> <td>1</td> </tr> <tr> <td>PUMPS (ELEC.)</td> <td>1000.000</td> <td>L/MN</td> <td>2</td> </tr> </tbody> </table>	Type of machinery	Capacity of each type of machinery	Unit (in which capacity is reported)	No. of machinery	DUMPER	16.000	TONNE	6	SHOVEL (HYDRAULIC)	1.900	CUM	2	AIR COMPRESSOR	400.000	CUM/MN	1	BLAST HOST DRILL	110.000	MM	1	FRONT END LOADER	1.000	CUM	1	JEEP/TRACTOR	50.000	HP	1	DOZER	160.000	HP	1	PUMPS (ELEC.)	1500.000	L/MN	1	PUMPS (ELEC.)	400.000	L/MN	1	PUMPS (ELEC.)	1000.000	L/MN	2	
Type of machinery	Capacity of each type of machinery	Unit (in which capacity is reported)	No. of machinery																																												
DUMPER	16.000	TONNE	6																																												
SHOVEL (HYDRAULIC)	1.900	CUM	2																																												
AIR COMPRESSOR	400.000	CUM/MN	1																																												
BLAST HOST DRILL	110.000	MM	1																																												
FRONT END LOADER	1.000	CUM	1																																												
JEEP/TRACTOR	50.000	HP	1																																												
DOZER	160.000	HP	1																																												
PUMPS (ELEC.)	1500.000	L/MN	1																																												
PUMPS (ELEC.)	400.000	L/MN	1																																												
PUMPS (ELEC.)	1000.000	L/MN	2																																												

Under Rule 11(1) of MCDR 2017 following violations have been issued:

1. During the year 2022-23, it was proposed to produce 28447 T of Mn ore (Opencast + Underground) but only 4376 T of Mn ore produced.
2. During the year 2023-24, it was proposed to produce 28680 T of Mn ore (Opencast + Underground) but only 47 T of Mn ore produced.
3. Development work for Underground was proposed from 2021-22 onwards, but till date no work has been done in this regard.
4. During the year 2022-23 and 23-24 stoping was proposed for block no. 100 to 105 and 67 to 70, 106 and 107 respectively. But no work of U/G development started till date.
5. During the year 2022-23, it was proposed to produce 349106 m³ of OB but only 175545 m³ OB was produced.
6. Proposed stripping ratio was 1:13.28 but as per field condition stripping ratio seems to be more than 1: 40 .

Madhavrao Sabre
Senior Mining Geologist
Regional Office Jabalpur