

**INDIAN BUREAU OF MINES**  
**MINERALS DEVELOPMENT AND REGULATION DIVISION**  
**MCDR Inspection REPORT**  
**Jabalpur Regional office**

**Mine code:40MPR08010**

(i)	Name of Inspecting officer	:	Madhavrao Sabre
(ii)	Designation	:	Senior Mining Geologist
(iii)	Accompanying mine official with Designation	:	Santosh Rawell-Mine Agent, Satish Shenwai (Mine Geologist), Sachin Maskey (Mine Manger )
(iv)	Date of Inspection	:	14/11/24
(v)	Previous Inspection date	:	10.08.2021

**PART-I: GENERAL INFORMATION**

1	(a)	Mine Name	:	Kachidhana Manganese Ore Mine
	(b)	Registration Number	:	IBM/833/2011
	(c)	Category	:	A
	(d)	Type of Working	:	Opencast
	(e)	Postal address		
		State	:	Madhya Pradesh
		District	:	Chhindwara
		Village	:	Ranpeth-dawami
		Taluka	:	Sausar
		Post Office	:	Sausar
		Pin code	:	480106
		Fax	:	Nil
		Email	:	sanrawell@gmail.com
		Phone No	:	9890901700
	(f)	Police Station	:	Sausar
	(g)	First Opening date	:	24/10/2009
	(h)	Weekly day of rest	:	Sunday
2	Address for Correspondence			
3	(a)	Lease Area	:	5.859 Ha
	(b)	Period of lease	:	20/10/2009 to 19/10/2039, 30 Years
	(c)	Date of Expiry	:	19/10/2039
4	Mineral Worked (Main)		:	Manganese ore
5	Name of address of the Lessee with Phone, email and fax number		:	M/s. Rawell Mining Corporation, Rawell Building,Plot No 18,New Ramdaspath Nagpur, sanrawell@gmail.com, 9890901700
	Name of address of the Owner/Nominated Owner with Phone, email, fax number and Date of appointment		:	Arvind Manmatharai Rawell, 9890901700
	Name of address of the Agent with Phone, email, fax number and Date of appointment		:	Santosh Rawell, 9890901700, sanrawell@gmail.com
	Name of address of the Manager with Phone, email, fax number and Date of appointment		:	Sachin Maskey, 01/10/2024

	Mining Engineer Name Qualification Date of Appointment	:	Sachin Maskey
	Geologist Name Qualification, Date of Appointment	:	Satish Shenwai, M.Tech
6	Date of approval of Mining Plan/Review of Mining Plan etc.	:	14/12/2021

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

**Exploration: (2023-24)**

S.No	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	08	02	Violation issued for short fall.
1b	Exploration over lease area for Geological axis 1 or 2	2.95	2.90	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Year 23-24= 2 Nos. core boreholes	Dilip Maladhare Waraseoni Year 2023= 2 Nos. 160m	
1d	Balance area to be explored to bring the Geological axis in 1 or 2.	2.959 Ha	2.959 Ha	
1e	Balance reserves as on 01.04.2023	20295mt	25088mt	
1f	General remarks of Inspecting officer on geology, exploration etc.	Entire lease area is yet to brought under G1 category. There was shortfall of exploration for which Violation issued.		

**Development (2023-24)**

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Northern area of mine	Northern area of mine	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	No top soil	No top soil, Separate benches	
2c	Stripping ratio or ore to OB ratio	1:22.34	1:22	
2d	Quantity of topsoil generation in m3	No top soil	No top soil	
2e	Quantity of overburden generation in m3	64212	37926	Violation issued for short fall
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Development carried out as per proposal. Violation issued for short fall in development.		

**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	5748	3395	Violation issued for short fall	
3c	Recovery of Salable/usable minerals from ROM production	5748	3395		
3d	Quantity of mineral reject generation	575	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	Not proposed	Nil		
3j	Provision of drilling & blasting in mineral benches	Yes	Yes		
3k	Provision of mining machineries in mineral benches	1 Excavator & 2 dumper	1 Excavator & 1 dumper		
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Max height 6m in OB Max height 3.5 in mineral	Max height 6m in OB Max height 3.5 in mineral	Maintained as per proposals.	
3m	Total area covered under excavation /pits (Ha.)	1.8772	1.8772		
3n	Ore to OB ratio for the pit/mine during the year	1:22.34	1:22.34		
3o	Total area put in use under different heads at the end of year	2.27	3.184		
3p	Production of ROM mineral during last five-years period, as Applicable	2019-20	750		
		2020-21	1581		
		2021-22	1830		2964
		2022-23	5901		1749
		2023-24	5748		3395
3q	General remarks of inspecting officer on method of mining etc.	Development done as per proposals, production proposals not achieved , so violations issued.			

#### **4. Solid Waste Management-Dumping (2023-24)**

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	No top soil OB dumping central part of lease area	No top soil OB dumped as per proposal	
4b	Location of topsoil, OB & mineral reject dumps	OB dumping central part of lease area	OB dumping central part of lease area	Dumping done outside the lease, so violation issued.

4c	Number of Dumps within lease area and outside lease area	1 dump within lease area	1 dump within lease area	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Southern side of pit	Southern side of pit	
4e	Number of Active & Alive dumps	1	1	
4f	Number of dead dumps	0	0	
4g	Number of dumps established	0	0	
4h	Whether Retaining wall or garland drain all along dumps are there	Year 23-24- Garland drain not proposed	210m	
4i	Length of Retaining wall or garland drain all along dump	Year 23-24 Retaining wall not proposed	295m	
4j	Number of settling ponds	Not proposed	2 Nos.	
4k	Specific comments of inspecting officer on waste dump management	Dumping is done outside the lease so violation issued.		

#### **5. 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	1280sqm	Nil	Full extraction of minerals yet to be achieved.
5b	Area under backfilling of mined out area	1280sqm	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No top soil	No top soil	
5d	Total area fully reclaimed & rehabilitated (Ha)	0.128	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Full extraction of mineral yet to be achieved, so backfilling yet to be started.		

#### **6. 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	Complied	
6b	Area available for rehabilitation (Ha)	0.0	Nil	
6c	Afforestation done (ha)	0.09	0.09	
6d	No. of saplings planted during the year	100	125	
6e	Cumulative no. of plants	400	413	
6f	Any other specific method of rehabilitation	NA	NA	

6g	Cost incurred on watch & care during the year	Rs.10000/-	Rs.23575/-	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L X B X D).	Nil	Nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings.	Nil	Nil	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area.	Nil	Nil	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir.	Nil	Nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means	Nil	Nil	
6m	Compliance of Rehabilitation of waste land within lease (i) Afforestation	Yes	Sapling of plants	
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation	Yes	0.09 Ha	
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	Yes	Plantation,	
6p	Compliance of Environment monitoring (core zone & buffer zone)	Yes proposed.	Environment monitoring analysis has been carried out	
6q	General remarks of inspecting officer on PMCP compliance & progressive closer operations	During the year 125 fruit bearing saplings planted.		

### **7. Mineral Conservation (2023-24)**

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM sorting in lease area	As per proposal	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sort out at mine	Yes	Below 25% to 35%	
7d	Any beneficiation process at mines	Not proposed	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Sorting is done within the lease.		

### **8. Environment (2023-24)**

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	No top soil production in RY	No top soil	
8b	Concurrent use or storage of topsoil	No top soil	No top soil	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Waste rock	Separately dumped	
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	Not proposed	Not proposed in RY	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	Nil	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	400 Nos. of sapling	460 Nos. of sapling of plants	
8g	Survival rate	80%	90%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling	Water sprinkling is done daily on mine area, haul road, village road	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Water sprinkling is regularly done in lease area.		

### 9. Compliance of Rule 45 (2023-24)

S.N.	Item	Comments	Remarks															
9a	Status of submission of monthly and Annual returns	Submitted on 28.04.2024																
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes furnished.																
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(i) Covered under current (O-C) Workings: 1.877 Ha (ii) Used for waste disposal: 1.40 Ha (iii) Occupied by plant, buildings, residential, welfare buildings and road: 0.051 Ha (iv) Used for Mineral storage, Afforestation: 0.856 Ha																
9d	Scrutiny of Annual return on afforestation	Yes furnished, 125 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	Yes Stock 1668.68 T																
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Yes, Ex mine Price: Below 25% Mn : Rs 4000/Ton 25% to below 35% Mn: Rs 5616.33/Ton																
9i	Scrutiny of Annual return on Fixed assets	Yes Furnished. Value of Fixed Assets (₹ 2203060)																
9k	Scrutiny of Annual return on mining Machineries	<table border="1"> <thead> <tr> <th>Name of Machinery</th> <th>Capacity</th> <th>Nos</th> </tr> </thead> <tbody> <tr> <td>Back Hoe</td> <td>0.9 cum</td> <td>01</td> </tr> <tr> <td>Tipper</td> <td>7.0 cum</td> <td>02</td> </tr> <tr> <td>Front end loader</td> <td>1.6 cum</td> <td>01</td> </tr> <tr> <td>Pump (Elec)</td> <td>15 L/min</td> <td>01</td> </tr> </tbody> </table>	Name of Machinery	Capacity	Nos	Back Hoe	0.9 cum	01	Tipper	7.0 cum	02	Front end loader	1.6 cum	01	Pump (Elec)	15 L/min	01	
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Details of violations observed during current inspection and compliance position of earlier violation pointed out

Violation observed			Show cause Position		
Rule no.	Issued on	Compliance on	Rule no.	Issued on	Compliance on
11(1) of MCDR 2017	27.02.2025	24.03.2025			