

ANNUAL DATASHEET FOR THE YEAR- 2023-24**General**

S.N.	Particulars	Details
1	Name of the Mine Date of Inspection: Name of Inspecting Officer	Hathora Manganese Mine 16/07/2024 Abhishek Ranjan Gautam, Assistant Mining Engineer
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	6.985Ha.
3	Mine code	40MPR01056
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/10367/2012
5	Last Inspection Details Date of Inspection: Name of Inspecting Officer	19/11/2023 Shri Madhav Rao Sabre Status - Complied
6	Mine official present during the inspection	Shri Ajay Khandelwal, Shri Sushil Kumar (Mining Engineer) and Shri Brijkishor Rahangdale
7	Name of the Lease, Address, Phone, email and fax number	Smt. Shakuntala Kasal W/o Shri Dhanendra Kasal , R/o Waraseoni, Balaghat(M.P.) pin code-481331 Mob.9425800763, sanjaykasal097@gmail.com
8	Village	Hatoda
9	Taluka/Mandal	Tirodi
10	District	Balaghat
11	Pin code	481449
12	State	Madhya Pradesh
13	Post Office	Tirodi
14	Nearest Police Station	Tirodi
15	Nearest Railway Station	Katangi Balaghat
16	Date of Grant of Mining Lease	11/08/2008
17	Date of Execution	07/10/2008
18	Date of opening of Mine	11/03/2010
19	Date of First Renewal, if applicable and its period & expiry	Expiry upto 06/10/2028(20Years Period)
20	Date of Second Renewal, if applicable and its period & expiry	Not Applicable
21	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not Applicable
22	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Not Applicable
23	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Not Applicable
24	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Sushil Kumar [BE(Mining)] Add- Plot no-29, Chandrabhaga Nagar, Hudkeshwar, Nagpur-440034 Mob. No. 9325737262 Date of appointment- 15/11/2022

25	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Sushil Kumar [BE(Mining)] Add- Plot no-29, Chandrabhaga Nagar, Hudkeshwar, Nagpur-440034 Mob. No. 9325737262 Date of appointment- 15/11/2022 Total Experience- 25 year's
26	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Brajkishor Rahangdale (M.Sc Geology/M.Sc Tech (Remote sensing and GIS), Date of appointment – 01.11.2020
27	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	Not Applicable
28	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	1) E 9019 MCDR-MPC0Mn/18/2023- JBP-IBM_RO_JBP, Jabalpur dated 19/01/2024. 2)MP/BALAGHAT/MA NGANESE/RMP-10/20 20-21 Jabalpur dated 14/10/2020. 3)BGT/MN/MPLN-987/ NGP, Nagpur dated 27/09/2013.
29	Mineral(s) granted in lease and approved for Mining	Manganese
30	Method of Mining (Opencast, Underground)	Opencast
31	Category (Fully Mechanized, Others or Manual)	Fully Mechanized
32	Captive/Non-Captive	Non-Captive

Exploration

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year Year 2023-24	39 no. Of boreholes proposed	Not achieved	Violation pointed out under rule 11(1) of MCDR 2017
	Year 2020-21	Nos. of 8 bore holes was proposed.	year 2022-23 (Jan - Feb 2023) Nos. of 7 bore holes have been drilled .	
	Plan period 2007-08 to 2011-12	18 non- core bore holes was proposed.	18 non- core bore holes have been dug during 2007-2012	
1b	Exploration over lease area for Geological axis 1 or 2.	Boreholes were proposed to convert the reserves of entire lease area now falls under	G1 – 2.278 ha	-

		G2 level into G1 level of UNFC .		
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not given.	Not given.	-
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Proposed	G1 - 2.278 ha	As per approved Review of Mining Plan.
1e	Balance reserves as on 01.04.2024	47191.20T-8489T= 38702.2T		
1f	General remarks of Inspecting officer on geology, exploration etc.	Violation pointed out under rule 11(1) of MCDR 2017		

Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Western block	Western block	-
2b	Separate benches in topsoil overburden and mineral (Rule 15)	1 bench in Soil/OB & 5 benches in Mineral	Depth working 1 benches	-
2c	Stripping ratio or ore to OB ratio	1: 3.6769	1: 3.6769	-
2d	Quantity of topsoil generation in m ³	1320m ³	Not achieved.	-
2e	Quantity of overburden generation in m ³	29591.29 m ³	2401 m ³ .	-
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	As per proposal, Backfilling & preparing of False Benches were not done near boundary pillar no. - 53 to 58, towards Southern part of Barrier zone of the lease. Hence Violation pointed out.		

Exploitation

S.N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	Pit-1	Pit-1	-
3b	Quantity of ROM mineral production proposed (2023-24)	9868.80T	8489T	-
3c	Recovery of Salable/usable mineral from ROM production	8635.20	6791T	-
3d	Quantity of mineral reject generation	-	1698 T	-
3e	Grade of mineral reject generation and threshold value declared	-	-	-
3f	Quantity of sub-grade mineral generation	-	-	-
3g	Grade of sub-grade mineral generation	-	-	-
3h	Manual/Mechanized method adopted for segregation from ROM	Mechanized	Mechanized	Existing Mine.
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	N.A	N.A	-
3j	Provision of drilling & blasting in	As per approved	As per approved	As per

	mineral benches	Review of Mining Plan	Review of Mining Plan	approved Review of Mining Plan
3k	Provision of mining machineries in mineral benches	As per approved Review of Mining Plan	As per approved Review of Mining Plan	As per approved Review of Mining Plan
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	1 to 5 m	Existing Bench	As per approved Review of Mining Plan
3m	Total area covered under excavation /pits	Pit-1=1.852Ha	Pit-1=1.852Ha	-
3n	Ore to OB ratio for the pit/mine during the year	1: 3.6769	1: 3.6769	-
3o	Total area put in use under different heads at the end of year	Pit-1=1.85Ha	Pit-1=1.85Ha	
3p	Production of ROM mineral during last five-years period, as Applicable	Year	Proposal	Achievement
		2018-19	Lapse period	
		2019-20	Lapse period	
		2020-21	2768	1921.255
		2021-22	5536	688.653T
		2022-23	5536	
		2023-24	8635.20	6791T
3q	General remarks of inspecting officer on method of mining etc	Opencast Method of Mining being carried out.		

Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of top soil, OB & mineral reject (Rule 32,33)	Generation of Top soil- 1320 m ³ OB- 29591.29 m ³ Waste= 1233.6 T were proposed. TWD-1, area 0.37 h, height -6m was proposed in eastern block	Top soil- Nil OB- 2401 m ³ & Waste= 1698 T Temp. Waste Rock Dumps towards Eastern side along BZ (Eastern block) of the lease area.	-
4b	Location of topsoil, OB & mineral reject dumps	North East	Some quantity used for road	Temp. Waste Rock

			maintenance work purpose.	Dumps towards Eastern side along BZ (Eastern block) of the lease area.
4c	Number of Dumps within lease area and outside lease area	Proposed for 1 dumped.	Numbers of 1 old dumps.	-
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Eastern Block	Eastern Block	Year 2023-24
4e	Number of Active & Alive dumps	Numbers of 1 dumps.	Numbers of 1dump.	Situated in eastern block of lease.
4f	Number of deed dumps	Nil	Nil	-
4g	Number of dumps established	NIL	Nil	-
4h	Whether Retaining wall or garland drain all along dumps are there	Proposed	As per proposal	Year 2023-24
4i	Length of Retaining wall or garland drain all along dump	Proposed garland drain Bund Length in 1251m	Not done (Under process)	Year 2023-24
4j	Number of settling ponds	Not proposed	Not applicable	-
4k	Specific comments of inspecting officer on waste dump management	Generated over burden dump being used for backfilling & false bench.		

Solid Waste Management-Backfilling

S.N.	Item	Proposals	Actual Work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Mind out area.	-	Year 2023-24
5b	Area under backfilling of mined out area	Pit 1 Southern BZ in Western Block area 1464m ²	Not achieved	Year 2023-24
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Used for plantation purposed.	Not achieved	Year 2023-24
5d	Total area fully reclaimed & rehabilitated	Not proposed	-	-
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling not done as per proposal. Hence violation pointed out.		

Progressive Mine Closer Plan

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	done	-
6b	Management of worked/mined out benches	Proposal of 1 bench	-	-
	i) Area available for rehabilitation (Ha)	Pit 1 False benching towards South in Western Block, area =980m ²	Not achieved	Year 2023-24
	ii) Afforestation done (ha)	0.1500	0.1500	Plantation. Year 2023-24
	iii) No.of saplings planted during the year	400	400	Year 2023-24
	iv) Cumulative no. of plants	400	400	Year 2023-24
	v) Any other specific method of rehabilitation	Not proposed	Animals problem	Year 2023-24
	vi) Cost incurred on watch & care during the year	12000/-	-	
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L*B*D) ii) Void filled by waste/tailings iii) Afforestation on the backfilling iv) Rehabilitation by making water reservoir v) Any other specific means	1464m ² x7m N.A Conceptual Period. N.A N.A	Not achieved	Year 2023-24
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	1500m ² Nil Plantation & Waste.	1500m ² Nil Plantation & Waste.	Year 2023-24
6e	Compliance of Environment monitoring (core zone & buffer zone)	Proposed (Air & Noise Monitoring Station)	-	-

6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Annual return on PMCP for 2023-24 has been submitted along with annual return.
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Mineral Conservation

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM =9868.80T Main Production=8635.20T	ROM 8489T Production=6791T	Manganese (Mn)-18.00-42.52%
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	-
7c	Different grade of mineral sort out at mine	grade wise sorting within lease area proposed	Being carried out as per proposal	-
7d	Any beneficiation process at mines	N.A	N.A	-
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	There is no need of any beneficiation as entire mineral produced is supplied to plant.		

Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	1320m ²	-	Used for plantation purposed
8b	Concurrent use or storage of topsoil	Not proposed	-	-
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Eastern side dumping proposal	1 old dump	Eastern Side
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	-	-	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	Not applicable as the mined out area / area under working is matured for restoration.	-
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	A plantation of 1500m ² was proposed in a 7.5m	1500m ² Plantations	-

		barrier zone. In the year 2023-24.		
8g	Survival rate	80%	Animals problem	Year 2023-24
8h	Water sprinkling on roads to control airborne dust	Will be done on the road.	done	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Aesthetic beauty in and around mines is moderate		

Compliance of Rule 45

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	AR & MR to be submitted online	Monthly and annual returns have been submitted.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer - Sushil Kumar [BE(Mining)] Add- Plot no-29, Chandrabhaga Nagar, Hudkeshwar, Nagpur-440034 Mob. No. 9325737262 Date of appointment- 15/11/2022 Total Experience- 25 year's Geologist - Brajkishor Rahangdale (M.Sc Geology/M.Sc Tech (Remote sensing and GIS), Date of appointment - 01.11.2020	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(i) Already exploited and abandoned by opencast (O-C) mining 0.000 0.000 0.000 (ii) Covered under current (O-C) Workings 0.000 1.852 1.852 (iii) Reclaimed-rehabilitated 0.000 0.000 0.000 (iv) Used for waste disposal 0.000 3.120 3.120 (v) Occupied by plant, buildings, residential, welfare buildings and roads 0.000 0.000 0.000	-

		(vi) Used for any other purpose (specify) PLANTATION 0.000 0.150 0.150	
9d	Scrutiny of Annual return on Afforestation	400 nos	-
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	N.A	-
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Closing Stock - Below 25% Mn - 3194.980 tones 25% to below 35% Mn - 2744.800 tones 35% to below 46% Mn - 2744.800 - 1001.995 tones	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex mine prize - Below 25% Mn – Rs 3571.75/- 25% to below 35% Mn – Rs 5456.42/- 35% to below 46% Mn – Rs 12537.08/- Cost of production – Rs 3793.00/-	-
9i	Scrutiny of Annual return on Fixed assets	Value of Fixed Assets* Rs - 9794129/-	-
9k	Scrutiny of Annual return on mining Machineries	SHOVEL (HYDRAULIC) 1.100 CUM 2 Non Electrical Opencast DUMPER 15.000 TONNE 2 Non Electrical Opencast DOZER 0.900 HP 1 Non Electrical Opencast ROCK DRILL (NON-ELEC.) 100.000 MM 1 Non Electrical Opencast BLAST HOLE DRILL (ELEC.) 6.000 MM 1 Electrical Opencast WATER TANKER 4000.000 LITRE 1 Non Electrical Opencast PUMPS (ELEC.) 5.000 L/MN 4 Electrical Opencast	-

Photos on Systematic Development, Mineral Conservation, Protection of Environment, Reclamation & Rehabilitation and Community Development may be enclosed with captions, if available.

1. Rule 11(1) of MCDR 2017 – Complied
2. Rule 31(4) of MCDR 2017 – Complied
3. Rule 33 of MCDR 2017 – Complied

Date: 26.03.2025

Name: Shri Abhishek Ranjan Gautam

Designation: Assistant Mining Engineer