

**INSPECTION DATASHEET For The Year 2022-23****General**

<b>S.N.</b>	<b>Particulars</b>	<b>Details</b>
1	Name of the Mine	Chikmara Manganese Mine
	Date of Inspection:	19/07/2023
	Name of Inspecting Officer	Abhishek Ranjan Gautam, Assistant Mining Engineer
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Forest land – Nil Toatl area - 8.16 ha
3	Mine code	40MPR01026
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/4510/2011
	Last Inspection Details	Inspecting officer – Shri Robert Simon C, Assistant Controller of Mines Date of Inspection – 10/08/2022 Violation Point out – <b>No violation pointed out</b>
	Mine official present during the inspection	Shri Sushil Jain, Lessee Representative
5	Name of the Lease, Address, Phone, email and fax number	M/s R.B. Shree Ram & Company PVt. Ltd.
6	Village	Chikmara
7	Taluka/Mandal	Katangi
8	District	Balaghat
9	Pin code	
10	State	Madhya Pradesh
11	Post Office	Tirodi
12	Nearest Police Station	Tirodi
13	Nearest Railway Station	Tirodi
14	Date of Grant of Mining Lease	08/01/1996
15	Date of Execution	08/01/1996
16	Date of opening of Mine	
17	Date of First Renewal, if applicable and its period & expiry	08/01/1996 to 07/01/2016
18	Date of Second Renewal, if applicable and its period & expiry	08/01/2016 to 07/01/2046
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Yogesh Kumar Saraf (Nominated Owner) Shriram Bhavan, Post Office - Tumsar, District - Bhandara, Maharashtra - 441912 Email – rbsco@gmail.com
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	
22	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Shri Ghanshyam Pandurang Patil, Mine Manager

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23	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri Ghanshyam Pandurang Patil, Mine Manager
24	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Mine Geologist – Not appointed
25	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	BGT/MN/MPLN-298/NGP dated 15/06/1993
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	MP/Balaghat/Manganese/MPLN/MOD/85/2017 dated 14/05/2018
27	Mineral(s) granted in lease and approved for Mining	
28	Method of Mining (Opencast, Underground)	Opencast Mechanised method
29	Category (Fully Mechanized, Others or Manual)	A – Mechanised
30	Captive/Non-Captive	Non captive

**Exploration**

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	12 nos of BH in the year 2022-23	Not done	Violation pointed out under rule 11(1)
1b	Exploration over lease area for Geological axis 1 or 2.	Only 1.2 ha area explored under G2 level of exploration	Only 1.2 ha area explored under G2 level of exploration	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not proposed	Exploration not done	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	G1 level – 8.16 ha G2 level – 6.96 ha	Exploration not done	
1e	Balance reserves as on 01.04.2023	122- 12336 tone	122- 12336 tone	Violation pointed out under rule 45(7) for depletion of reserve during the year is not mentioned
1f	General remarks of Inspecting officer on geology, exploration etc.	Violation pointed out under rule 45(7) for depletion of reserve during the year is not mentioned		

**Development**

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	2404600 N-2404790N to 374800 E-374970E	2404600 N-2404790N to 374800 E-374970E	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Yes separate bench for top soil, overburden and mineral has to be maintained separately for systematic mining.	Yes separate bench for top soil, overburden and mineral had been maintained for systematic mining.	
2c	Stripping ratio or ore to OB ratio	1:19.22	1:19.22	
2d	Quantity of topsoil generation in m <sup>3</sup>	Nil	Nil	
2e	Quantity of overburden generation in m <sup>3</sup>	77940 m <sup>3</sup>	77940 m <sup>3</sup>	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Bench height and width is found maintained as per proposal. Development done as per proposal		

**Exploitation**

S.N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	One pit is proposed for production	Production is being carried out from One Pit	
3b	Quantity of ROM mineral production proposed (2022-23)	ROM - 5264 tons	3920 tons	
3c	Recovery of Salable/usable mineral from ROM production	80%	80%	
3d	Quantity of mineral reject generation	Not proposed	Not applicable	
3e	Grade of mineral reject generation and threshold value declared	Not proposed	Not applicable	
3f	Quantity of sub-grade mineral generation	Not proposed	Not applicable	
3g	Grade of sub-grade mineral generation	Not proposed	Not applicable	
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	Not applicable	
3j	Provision of drilling & blasting in mineral benches	Drilling & Blasting Proposed	Drilling & Blasting adopted	
3k	Provision of mining machineries in mineral benches	Shovel – 1 M3 – 1nos Dumper – 25 T – 2 nos Pump – 2 nos	Shovel – 1 M3 – 1nos Dumper – 25 T – 2 nos Pump – 2 nos	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed	Proposed height and width of benches are suitable for mining as per approved mining plan	
3m	Total area covered under excavation	3.720 ha	3.720 ha	

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	/pits			
3n	Ore to OB ratio for the pit/mine during the year	1:19.22		1:19.22
3o	Total area put in use under different heads at the end of year	6.499 ha		6.151 ha
3p	Production of ROM mineral during last five-years period, as Applicable	2018-19	3674	564
		2019-20	2089	720
		2020-21	627	425
		2021-22	Nil	Nil
		2022-23	5264	3920
3q	General remarks of inspecting officer on method of mining etc	No Proposal given for the year 2021-22. Year 2021-22 is lapsed period.		

#### **Solid Waste Management-Dumping**

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Separate dumping of soil, waste and mineral proposed	separate dumping of soil and mineral stack located in the lease area	
4b	Location of topsoil, OB & mineral reject dumps	04 OB dumps scattered in the lease.	04 OB dumps scattered in the lease.	
4c	Number of Dumps within lease area and outside lease area	04	04	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	within UPL	within UPL	
4e	Number of Active & Alive dumps	04	04	
4f	Number of deed dumps	Nil	Nil	
4g	Number of dumps established	01	01	
4h	Whether Retaining wall or garland drain all along dumps are there	Not proposed	Nil	
4i	Length of Retaining wall or garland drain all along dump	Not proposed	Nil	
4j	Number of settling ponds	Not proposed	Nil	
4k	Specific commends of inspecting officer on waste dump management	No comments		

#### **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	Presently no area is matured/mineral exhausted. Full extraction	Full extraction of mineral was not finished yet upto UPD	

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		of the mineral proposed upto UPD		
5b	Area under backfilling of mined out area	No Proposals	Not applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No Proposals	Not applicable	
5d	Total area fully reclaimed & rehabilitated	No Proposals	Not applicable	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling not started yet, full extrcation of the mineralization not finished yet, no area is mature enough for the activity		

**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	To be submitted before 1st July of every year	Yes, submitted within time limit as per the provisions of Rule 26 of MCDR,2017	
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (Ha)	Not proposed	Not applicable	
	ii) Afforestation done (ha)	Not proposed	Not applicable	
	iii) No.of saplings planted during the year	Not proposed	Not applicable	
	iv) Cumulative no. of plants	Not proposed	Not applicable	
	v) Any other specific method of rehabilitation	Not proposed	Not applicable	
	vi) Cost incurred on watch & care during the year	Not proposed	Not applicable	

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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	Not proposed	Not applicable	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	Not proposed	Not applicable	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Periodical Air, Water, Noise monitoring Proposed	Carried out as per the proposals	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Presently scope of backfilling/reclamation & rehabilitation doesn't exist and no proposals are given. Periodic monitoring is being carried out by outsourced consultant.		

#### Mineral Conservation

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM ore produced shall be dispatched	3079 Tonnes of Manganese ore dispatch during the year	
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 proposed	Practice Adopted	
7d	Any beneficiation process at mines	Not proposed	Not applicable	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	There is no mineral rejects/subgrade generation. Grade wise ore is being sale to the nearby Market		

Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	No Proposal	Nil	
8b	Concurrent use or storage of topsoil	No Proposal	Nil	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Proposed	OB/waste stacked separately	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposals	During the year, no area is mature enough for restoration	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposals	Nil	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	100 Saplings proposed during the year 2022-23	No new plantation observed during the year	Violation pointed out under rule 11(1)
8g	Survival rate	80%	Nil	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling is proposed by water tanker	Regular water sprinkling is done by water tanker	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Aesthetic beauty in and around mine area is not much satisfactory as plantation not done up to that extent.		

Compliance of Rule 45

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	MR of June-23 and AR of 2022-23 has been submitted	Submitted
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	<b>Name of the Mining Engineer:</b> Shri Ghanshyam P Patil <b>Geologist:</b> Not appointed	Geologist not appointed. Violation pointed out under rule 55(1)

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9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use as per Annual return 2022-23 Currant working: 3.720 ha. Roads and Infra. : 0.454 ha. OB/waste dump: 0.940 ha. MIneral Storage and others: 1.037 ha.	As submitted by lessee
9d	Scrutiny of Annual return on Afforestation	No new plantation observed during the inspection	Violation pointed out
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	No any mineral reject generated during the year	
9f	Scrutiny of Annual return on ROM stock and/or grade ore	As per AR 2022-23, approved mining plan ROM was proposed 5264 T & actual production carried out 3920 t	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex mine Price Belo 25%: Rs.4005.10, 25% to 35% - Rs 5000 Cost of production = Rs. 4013.14/-	
9i	Scrutiny of Annual return on Fixed assets	Fixed assets - Nil	
9k	Scrutiny of Annual return on mining Machineris	Shovel – 1 M3 – 1nos Dumper – 25 T – 2 nos Pump – 2 nos	

Details of Validations observed during current inspection and compliance position of earlier violation pointed out:- Details is given below:

1. Rule – 11(1) of MCDR 2017 dated 03/08/2023
2. Rule – 14(2) of MCDR 2017 dated 03/08/2023
3. Rule – 31(4) of MCDR 2017 dated 03/08/2023
4. Rule – 34A(3) of MCDR 2017 dated 03/08/2023
5. Rule 45(7) of MCDR 2017 dated 03/08/2023
6. Rule 55(1) of MCDR 2017 dated 03/08/2023

Date:

Name:- Shri Abhishek Ranjan Gautam

Designation: Assistant Mining Engineer