

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

S.N.	Particulars	Details
1	Name of the Mine	Sitapathore Manganese Mine
	Date of Inspection:	20/07/2023
	Name of Inspecting Officer	Shri Abhishek Ranjan Gautam, Assistant Mining Engineer
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	4.25 Hect.
3	Mine code	40MPR01046
4	IBM Registration Number under rule 45 of MCDR,1988	Reg. No. 10456/2012
5	Last Inspection Details	Inspecting officer – Shri Robert Simon C, ACOM Date of Inspection – 16/0/2021 Violation Point out – 11(1), 26(2), 45(5)b, & 45(5)C Compliance date – 26/09/2022
6	Mine official present during the inspection	Shri Gamliel Kachhap, Mine Manager
7	Name of the Lease, Address, Phone, email and faxnumber	Lessee :- Shri Pramod Kumar Shukla Address : 129, Malviya Nagar, Near Chamber of Commerce, Bhopal District : Bhopal State : Madhya Pradesh Pin code : 462011 Mobile No. : 9826977033 Email ID : ashutosh3511@gmail.com
8	Village	Sitapathore
9	Taluka/Mandal	Katangi
10	District	Balaghat
11	Pin code	481449
12	State	Madhya Pradesh
13	Post Office	Katangi
14	Nearest Police Station	Katangi
15	Nearest Railway Station	Balaghat
16	Date of Grant of Mining Lease	06/01/2006
17	Date of Execution	06/01/2006
18	Date of opening of Mine	06/01/2006
19	Date of First Renewal, if applicable and its period & expiry	NA
20	Date of Second Renewal, if applicable and its period & expiry	NA
21	Date of submission of renewal application if Mining Operations are continuing under deemed extension	
22	Name of the Nominated Owner with Address, phone,email, fax number and date of appointment	Shri Pramod Kumar Shukla Address : 129, Malviya Nagar, Near Chamber of Commerce, Bhopal District : Bhopal State : Madhya Pradesh Pin code : 462011 Mobile No. : 9826977033 Email ID : ashutosh3511@gmail.com

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	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr. Ashutoah Chaturvedi B.Tech. (civil) M. Tech. (Environment engineering) Address: F9/3 charimli Bhopal (MP)
23	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Mr. Ashutoah Chaturvedi B.Tech. (civil) M. Tech. (Environment engineering)
24		Address: F9/3 charimli Bhopal (MP)
25	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	-
26	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Mr. Ashok Vishwakarma M.Sc. (Geology) Add:- UG -02, B-Block, Sagar Royal Vilas, Near Ashima Mall, Hoshangabad road, Huzur, Bhopal (MP) Mr. Gamliel Kachhap, Mining Engineer
27	Date of Approval of Mine Plan/Modified Mine Plan with five-year period and specific condition in approval letter, if any.	07/03/2019 2018-19 to 2020-21
28	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	07/03/2019 2018-19 to 2020-21
29	Mineral(s) granted in lease and approved for Mining	Manganese
30	Method of Mining (Opencast, Underground)	Open cast
	Category (Fully Mechanized, Others or Manual)	Manual
	Captive/Non-Captive	Non-Captive

Exploration

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	08	Nil	No Exploration Done. Violation pointed out under rule 11(1)
1b	Exploration over lease area for Geological axis 1 or 2.	Lease area explored up to G2 level	Lease area explored up to G2 level	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	-	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Entire mineralised area to be explored in G1 level	Entire mineralised area has been explored in G2 level	
1e	Balance reserves as on 01.04.2023	122- 9884	122- 9884	
1f	General remarks of Inspecting officer on geology, exploration etc.	No Exploration Done. Violation pointed out under rule 11(1)		

Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	2399526N - 2399606 N to 362207 E -362270 E	2399526N - 2399606 N to 362207 E - 362270 E	

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2b	Separate benches in topsoil overburden and mineral (Rule 15)	Seven Benches i.e. one in soil, three in OB and three in manganese	Depth wise working done
2c	Stripping ratio or ore to OB ratio	1:5.68	1.:2.00
2d	Quantity of topsoil generation in m ³	Nil	Nil
2e	Quantity of overburden generation in m ³	16104 m ³	5872 m ³
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	01	01	-	
3b	Quantity of ROM mineral production proposed (2022-23)	2832.03 tones	2916.43 tones	-	
3c	Recovery of Salable/usable mineral from ROM production	80%	80%	-	
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			
3j	Provision of drilling & blasting in mineral benches	NA	Nil	Blasting not proposed due to medium soft nature manganese bearing and associated rock.	
3k	Provision of mining machineries in mineral benches	NA	Nil	Its manual way of mining is proposed	
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	2.5 Ha	2.5 ha	-	
3n	Ore to OB ratio for the pit/mine during the year	1:5.68	1:2.00	-	
3o	Total area put in use under different heads at the end of year	2.6782 ha	2.678 2 ha	-	
3p	Production of ROM mineral during last five-years period, as Applicable	2016-17	Lapse Period		Production target has not been achieved as mine was
		2017-18			
		2018-19	2359	Nil	

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		2019-20	4570	Nil	closed due to want of EC.
		2020-21	6854	Nil	
3q	General remarks of inspecting officer on method of mining etc	Excess production observed during the scrutiny of Annual return. Violation pointed out under rule 45(7).			

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	OB/waste dumps are proposed in the western side of the lease area	OB/waste were dumped in the western side of the ML area	
4c	Number of Dumps within lease area and outside lease area	01	01	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Outside the UPL	Dump are located outside the UPL	
4e	Number of Active & Alive dumps	01	01	
4f	Number of dead dumps	Nil	Nil	Nil
4g	Number of dumps established	Nil	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there	Nil	Nil	Nil
4i	Length of Retaining wall or garland drain all along dump	1250	Nil	Nil
4j	Number of settling ponds	Nil	Nil	Nil
4k	Specific commends of inspecting officer on waste dump management	One over burden dump observed within the lease area.		

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 of the mineral proposed upto UPD	Full extraction of mineral was not finished yet upto UPD	Nil
5b	Area under backfilling of mined out area	No Proposals	Very small area of 0.050Ha backfilled in 7.5m barrier zone	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No proposal	Nil	Nil

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5d	Total area fully reclaimed & rehabilitated	Nil	Nil	Nil
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling not started yet, full extraction 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	Nil	Nil	Nil
	i) Area available for rehabilitation (Ha)	2.615	Nil	Nil
	ii) Afforestation done (ha)	0.3375	0	As per AR
	iii) No.of saplings planted during the year	200	200	
	iv) Cumulative no. of plants	1000	0	
	v) Any other specific method of rehabilitation	NA	NA	
	vi) Cost incurred on watch & care during the year	1,50,000	1,50,000	Nil
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	vi) Afforestation on the backfilling vii) Rehabilitation by making water reservoir	Nil	Nil
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	i)Afforestation	Nil	Nil

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6e	Compliance of Environment monitoring (core zone & buffer zone)	Yes	Nil	Nil
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	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	Manual	Manual	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	Nil
7c	Different grade of mineral sort out at mine	Graded Ore- 80% Waste/Rejected - 20%	Graded Ore- 80% Waste/Rejected -20%	-
7d	Any beneficiation process at mines	NA	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	There is no mineral rejects/subgrade generation.		

Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	NA	Nil	Nil
8b	Concurrent use or storage of topsoil	NA	Nil	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	Used in Backfilling & plantation.	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	Nil

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8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	200	200	
8g	Survival rate	80%	Nil	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	Water is required for dust suppression
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. Hence, it was instructed to propose at least 200 sapling/year in further approval of documents		

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	Name of the Mining Engineer: Gamliel Kachhap Geologist: Ashok Vishwakarma	Appointed as per rule
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: 2.5 ha. Roads and Infra. : 0.012 ha. OB/waste dump: 0.083 ha. Green Belt: 0.170 ha.	As submitted by lessee
9d	Scrutiny of Annual return on Afforestation	Afforestation as per MP and AR 200 saplings planted in the lease area with survival rate of 70%.	
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 2665.44 T & actual production carried out 2916.43 t	Violation pointed out under rule 45(7)
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex mine Price Belo 25%: Rs.3855.61, 25% to 35% - Rs 6394.30 Cost of production = Rs. 1662.20	
9i	Scrutiny of Annual return on Fixed assets	Fixed assets - Nil	
9k	Scrutiny of Annual return on mining Machineries	Nil	Manual working proposed in the mine

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

- I/14755/2023
1. **Rule – 11(1) of MCDR 2017 dated 04/08/2023**
 2. **Rule 45(7) of MCDR 2017 dated 21/07/2023**

Date:

Name:- Shri Abhishek Ranjan Gautam

Designation: Assistant Mining Engineer