

MCDR INSPECTION REPORT

1	Name of Inspecting officer:	Shri Abhishek Ranjan Goutam
2	Designation	Assistant Mining Engineer
3	Accompanying mine official with Designation	Shri Nagendra Pathak (Mining Engineer), Dr M. Rizwan (Geologist) and Other Mine official
4	Date of Inspection	07/01/2025
5	Previous Inspection date	16/09/2023

Part-I: General

S.No	Particulars	Details
1	Name of the Mine	Pauniya Manganese Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	8.10 ha
3	Mine code	40MPRO1082
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/9206/2012
5	Name of the lessee, Address, Phone, email and fax number	M/S Sukhdeo Prasad Goenka, Prop-Anand Goenka, Goenka Bhawan Station Road Katni(MP)-9425152024
6	Village	Pauniya
7	Taluka/Mandal	Tirodi
8	District	Balaghat
9	Pin code	481449
10	State	M.P
11	Post Office	Pauniya
12	Nearest Police Station	Tirodi
13	Nearest Railway Station	Pauniya
14	Date of opening of Mine	-----
15	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Anand Goenka, Goenka Bhawan station Road Katni(MP)-483501, MOB-7389896380
16	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Gunjan Goenka, Goenka Bhawan station Road Katni(MP)-483501, MOB-9425152024.
17	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Nagendra Kumar Pathak, Katgani Balaghat(MP), date of appointment :- 20.05.2021, MOB-7354152478
18	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Nagendra Kumar Pathak, Katgani Balaghat(MP), date of appointment:-20.05.2021, MOB-7354152478
19	Whether Geologist (with details of	Mohd. Rizwan , MSC Geologist Bhopal(MP), Date

	appointment) and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	of appointment:-28/02/2024
20	Date of Approval of Mine Plan/Modified Mine Plan with five-year period and specific condition in approval letter, if any.	MP/Balaghat/Manganese/RMP-09/2022-23/1040,date-02.06.2022.
21	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/RMP-09/2022-23/1040,date-02.06.2022.
22	Mineral(s) granted in lease and approved for Mining	23.07.2010
23	Method of Mining (Opencast, Underground)	Opencast
24	Category (Fully Mechanized, Others or Manual)	Fully Mechanized
25	Captive/Non-Captive	Non-Captive

Details about Mining Plan/ Review of Mining Plan etc

a) Letter No. and date of approval of mining plan	:	MP/Balaghat/Manganese/RMP-09/2022-23/1040,
b) Letter No. and date of approval of review of mining plan	:	MP/Balaghat/Manganese/RMP-09/2022-23/1040,date-02.06.2022.
c) Condition while approving the MP/ RMP/ modification	:	
d) Period of mining plan/ mining scheme in force :	:	2022-23 to 2025-26

PART III-MCDR Report details.

1. 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)	Not proposed	Not applicable	
1b	Exploration over lease area for Geological axis 1 or 2 (for 2023-24)	Entire lease area to be explored upto G1 level	Lease area explored upto G1 level	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year (for 2023-24)	Not applicable	Not applicable	-

1d	Balance area to be explored to bring the Geological axis in 1 or 2. (for 2023-24)	Not applicable	Not applicable	
1e	Balance reserves as on 01.04.2024	-----	52762.00	
1f	General remarks of Inspecting officer on geology, exploration etc.	Lease area explored upto G1 level.		

2. Development (FY 2023-24)

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	N2402880 to 2403090E371200 to E371380	As per proposal	--
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Proposed	Found as per proposal	--
2c	Stripping ratio or ore to OB ratio	1:6.46	1:5.65	Less development. Deviation pointed out through rule 11(1) of MCDR,2017
2d	Quantity of topsoil generation in m3	10087 m3	Not generated	--
2e	Quantity of overburden generation in m3	114895 m3	22158 m3	Less development, violation of rule 11(1) pointed out.
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Development work is lacking in comparison to proposed one.		

3. Exploitation FY 2023-24

S. N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	One pit	One pit	
3b	Quantity of ROM	15989.40	3430	Production was

	mineral production proposed			done basis of approved EC and CTO Quantity but Less production, violation of rule 11(1) pointed out.
3c	Recovery of Salable/usable minerals from ROM production	15989.40	--	--
3d	Quantity of mineral reject generation	0.00	0.00	--
3e	Grade of mineral reject generation and threshold value declared	0.00	0.00	--
3f	Quantity of sub-grade mineral generation	0.00	0.00	
3g	Grade of sub-grade mineral generation	0.00	0.00	--
3h	Manual/Mechanized method adopted for segregation from ROM	Mechanized	Mechanized	
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	Yes proposed with 1.2mX1.5mX1.5m (SpecingxBurden xdepth of hole)	As per proposal	-
3k	Provision of mining machineries in mineral benches	Yes, with Excavator and dumper combination	As per approved proposal	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed	In Southern direction of pit 1, the height of benches have not been maintained as per proposal.	Violation pointed out under rule 11(1)-
3m	Total area covered under excavation /pits	2.70 HA	Almost total area covered under	-

	(Ha.)		excavation/ pit is about 2.70hect		
3n	Ore to OB ratio for the pit/mine during the year	1:6.46	1:5.65	-	
3o	Total area put in use under different heads at the end of year	5.1866 ha	5.1 ha about	-	
3p	Production of ROM mineral during last five-years period, as Applicable	2019-20	3430.00	1605.00	Year 2021-22 Mining plan renewal pending
		2020-21	3430.00	2716.00	
		2021-22	Nil	Nil	
		2022-23	14940.00	3430.00	
		2023-24	15989.40	3430.00	
3q	General remarks of inspecting officer on method of mining etc.	Adopted open cost mechanised method of mining is most suitable for the deposit at this stage.			

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)	No proposal Simultaneous backfilling followed by reclamation of degraded statutory barrier zone proposed.	OB dump was observed in West side the lease area near road for bunding. Old dumps observed in Eastern part of lease area.	-
4b	Location of topsoil, OB & mineral reject dumps	Not proposed	Not applicable	-
4c	Number of Dumps within lease area and outside lease area	Not proposed	Total 07 dumps were observed during the inspection. 06 dumps are within the lease area and one dump is observed outside the lease area in the additional granted land by State Govt.	There are total 07 dumps. 06 dumps are within the lease area and one dump is observed outside the lease area in the additional granted land by State Govt.

4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed	Not applicable	-
4e	Number of Active & Alive dumps	-	07 dumps were observed	One dump is observed outside the lease area in the Govt land. The State Govt. has allotted the land with lease area for allied activities as per submitted records.
4f	Number of dead dumps	Not proposed	Not applicable	-
4g	Number of dumps established	Not proposed	Not applicable	-
4h	Whether Retaining wall or garland drain all along dumps are there	Retaining wall as well as garland drain both proposed	Garland drain was observed.	-
4i	Length of Retaining wall or garland drain all along dump	933 meter	700 meter	-
4j	Number of settling ponds	Not proposed	Not applicable	-
4k	Specific comments of inspecting officer on waste dump management	06 dumps observed in the lease area and one dump is outside the lease area in the additional granted area by State Govt. Garland drain observed around two dumps near road side. All the dumps are temporary nature as per approved document.		

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	No proposal	Extraction of mineral upto full depth of mineralisation do not reach so far. Backfilling of degraded statutory barrier zone was found in progress.	-
5b	Area under backfilling of mined out area	Proposal in Barrier zone	Backfilling work found in progress.	-
5c	Concurrent use of	Proposed	As per proposal	-

	topsoil for restoration or rehabilitation of mined out area (Rule 32)			
5d	Total area fully reclaimed & rehabilitated (Ha)	680sqm	Backfilling work was in progress. Reportedly rehabilitation work will be initiated after reclamation.	-
5e	General remarks of inspecting officer on backfilling, reclamation etc	Proposed reclamation and rehabilitation work was not found completed. However backfilling of degraded statutory barrier zone was found in progress. Reportedly rehabilitation work will be initiated after completion of reclamation work.		

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	The holder of a mining lease shall submit to the competent authority a yearly report as per the format specified by the Indian Bureau of Mines, before 1st day of July report every year	The annual return on PMCP has been submitted timely.	Annual Report on PMCP submitted on time and correctly
6b	Area available for rehabilitation (Ha)	680sqm	Backfilling work was found in progress. After completion of reclamation work rehabilitation of reclaimed area will be taken up as assured by the representative of the lessee i.e.Smt. Gunjan Goenka. lessee	-
6c	Afforestation done (ha)	0.12hect.	0.15hect	-
6d	No. of saplings planted during the year	200	Within Lease Area-150 Outside lease Area-60	-

6e	Cumulative no. of plants	-	Not specified	-
6f	Any other specific method of rehabilitation	Not proposed	Not applicable	Rehabilitation by plantation
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).	Not proposed	NA, Pit is not reached upto reclamation and rehabilitation stage.	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings.	Not proposed	Not applicable	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area.	680sqm	Backfilling of degraded statutory barrier zone was found in progress. So far backfilling upto proposed level were not found done. After backfilling reclamation & rehabilitation work will be taken up by the lessee as reported during inspection.	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir.	Not proposed	Not applicable	-
6l	Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means	Not proposed	Not applicable	-
6m	Compliance of Rehabilitation of waste land within lease (i) Afforestation	200 no. of sapling	Reportedly planted as per proposal but on site about 60 saplings were seen at the site.	Plantation on statutory barrier zone of road (50m from the road) passing from near

				by area.
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation	-	-	-
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	Except plantation there is no other proposal.	Plantation	-
6p	Compliance of Environment monitoring (core zone & buffer zone)	Proposed	Records of environment monitoring found. report enclosed	-
6q	General remarks of inspecting officer on PMCP compliance & progressive closer operations	The annual return on PMCP has been submitted timely.		
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7. Mineral Conservation(FY 2023-24)

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	Grade wise sorting within lease area	As per prosal	-
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	As per prosal	-
7d	Any beneficiation process at mines	Not proposed	Not applicable	-
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	In the mine there is no issues related with conservation of mineral. Whatever ROM is generated reportedly have a market. Lowest grade of mineral having Mn upto 25% have also a market.		

8. Environment(FY 2023-24)

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Proposed	As per proposal	-
8b	Concurrent use or storage of topsoil	Proposed	As per proposal	-
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Not proposed as it is proposed for backfilling of degraded statutory barrier zone.	Not applicable	-

8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	Proposed	As per proposal	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposed	As per proposal	-
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Proposed	As per proposal. Although survival rate of plantation is very low.	-
8g	Survival rate	-	-	-
8h	Water sprinkling on roads to control airborne dust	Proposed	Carried out	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Aesthetic beauty in and around mine area is maintained.		

9. Compliance of Rule 45 (2023-24)

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	monthly submitted on before 10th of the month and Annual returns submitted before 30Jun.	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer -Mr. Nagendra Pathak, Geologist-Mr. Mohd. Rizwan ,MSC Geologist Bhopal(MP),Date of appointment:-28/02/2024	
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 2.860 2.860 (iii) Reclaimed-rehabilitated 0.000 0.000 0.000 (iv) Used for waste disposal 0.000 0.000 0.000 (v) Occupied by plant, buildings, residential, welfare buildings and roads 0.000 0.268 0.268 (vi) Used for any other purpose (specify) Dump Area and Mineral stack 0.000 2.490 2.490 (vii) Work done under progressive mine closure plan during the year 0.000 0.000 0.000	
9d	Scrutiny of Annual return on afforestation	Within Lease Area-150 Outside lease Area-60	
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	
9f	Scrutiny of Annual return on ROM stock and/or grade ore	ROM closing stock – 54.58 tones	
9g	Scrutiny of Annual return on	(a) Below 25% Mn - 3684.53/-	

	sale value, Ex. Mine price & production costs	(b) 25% to below 35% Mn Rs 8143.93/- (c) 35% to below 46% Mn –Rs 13840.23/- (d) 46% and above Mn Rs 18137.99/-	
9j	Scrutiny of Annual return on Fixed assets	Fixed Assets Value Rs. 1098076/-	
9k	Scrutiny of Annual return on mining Machineries	DUMPER 15.000 TONNE 2 Non Electrical Opencast JEEP/TRACTOR 35.000 HP 1 Non Electrical Opencast	

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

Rule – 11(1) of MCDR 2017 Dated 24/03/2025

Rule – 31(4) of MCDR 2017 Dated 24/03/2025

Rule – 33 of MCDR 2017 Dated 24/03/2025

Date:

Name: Shri Abhishek Ranjan Gautam
Designation: Assistant Mining Engineer