

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

Mine code:- 40MPR392006

(i)	Name of Inspecting officer	:	Shri Sudip Ranjan Mazumdar
(ii)	Designation	:	Regional Mining Geologist
(iii)	Accompanying mine official with Designation	:	Shri V.A. Borkar, Agent Shri Madhukar Kumar Choudhary, Mining Engineer, Shri Anil Kumar Jha, Asst. Manager (Opencast) Shri Abhilash Nerkar, Geologist Shri Yajit Singh Bisen, Surveyor.
(iv)	Date of Inspection	:	03.10.2024

PART-I: GENERAL INFORMATION

1	(a)	Mine Name	:	Ramrama Manganese Mine
	(b)	Registration Number	:	IBM/1260/2011
	(c)	Category	:	A
	(d)	Type of Working	:	Opencast and Underground
	(e)	Postal address	:	
		State	:	Madhya Pradesh
		District	:	Balaghat
		Village	:	Ramrama
		Taluka	:	Waraseoni
		Post Office	:	Ramrama
		Pin code	:	481332
		Fax	:	NA
		email	:	aptrivedisons@gmail.com
		Phone No	:	9977302683
	(f)	Police Station	:	Waraseoni
	(g)	First Opening date	:	NA
	(h)	Weekly day of rest	:	Saturday
2		Address for Correspondence	:	
3	(a)	Lease Area	:	45.538 Ha.
	(b)	Period of lease	:	50 Years
	(c)	Date of Expiry	:	30.06.2032
4		Mineral Worked (Main)	:	Manganese Ore
5		Name of address of the Lessee with Phone, email and fax number	:	M/s A.P. Trivedi Sons Ward No. 15 Main Road Balaghat (M.P.), 07632-240394, aptrivedisons@gmail.com
		Name of address of the Owner/Nominated Owner with Phone, email, fax number and Date of appointment	:	Shri Vyomesh R Trivedi(Nominated Owner) M/s A.P. Trivedi Sons Ward No. 15 Main Road Balaghat (M.P.), 07632-240394, email: aptrivedisons@gmail.com
		Name of address of the Agent with Phone, email, fax number and Date of appointment	:	Shri V.A. Borkar Village & Post Ramrama Tehsil-Waraseoni Dist. Balaghat M.P. 9977302682, Date of appointment: 09/12/2014, email: aptrivedisons@gmail.com

	Name of address of the Manager with Phone, email, fax number and Date of appointment	:	Shri M.K. Choudhary Village & Post Ramrama, Tehsil-Waraseoni, Dist. Balaghat, M.P. 9754634242, 01/12/2013, aptrivedisons@gmail.com
	Mining Engineer Name Qualification Date of Appointment	:	Shri. M.K. Choudhary (AMIE Mining) 15/12/2020
	Geologist Name Qualification, Date of Appointment	:	Shri. R.M. Gupte (M.Sc. Geology) 19/02/2020,
6	Date of approval of Mining Plan/Review of Mining Plan etc.	:	1. Modification of Mining Plan (43.086 HA) approved vide letter no. MP/Balaghat/Manganese/MPLN/MOD-32/2019-20 Jabalpur dated 16/06/2020 2. No. E3323MCDR-MPCoMn/2/2024-JBP IBM_RO_JBP, Date:- 28.03.2024

PART- II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration: (2023-24)

S.No	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	2020-21: 4 Bhs 2021-22: 3 Bhs 2022-23: 5 Bhs	2020-21: 4 Bhs 2021-22: 3 Bhs 2022-23: 5 Bhs	Nil
1b	Exploration over lease area for Geological axis 1 or 2	In 2023-24: 03 numbers of boreholes proposed for drilling	In 2023-24: 03 numbers of boreholes have been drilled	Nil
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not Proposed	Exploration Agency: In-house; Expenditure Incurred: Rs 135000	Nil
1d	Balance area to be explored to bring the Geological axis in 1 or 2.	In 2023-24: 03 numbers of boreholes proposed for drilling	Balance area in G-2 is 15.79 Ha	Nil
1e	Balance reserves as on 01.04.2023	At the beginning of the year 01.04.2023, total reserve was 573,558.00 tones	Depletion of reserves during the year was 71,993 tones. Balance reserves as on 31.3.2024 is 501,765.00 tones	Data as furnished in annual return for 2023-24
1f	General remarks of Inspecting officer on geology, exploration etc.	There is no backlog in exploration proposal.		

Development (2023-24)

S.No	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Pit No. 1 & 2	Pit No. 1 & 2	Nil
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Separate benches proposed for overburden and mineral	Separate benches developed for topsoil, overburden and mineral	Nil
2c	Stripping ratio or ore to OB ratio	1:1.10	1:7.00	Nil
2d	Quantity of topsoil generation in m ³	Not Proposed	9000 cum	Nil
2e	Quantity of overburden generation in m ³	33491 m ³	1,88,194 m ³	Nil
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Development carried out as proposed with higher generation of overburden.		

Exploitation FY (2023-24)

S.No	Item	Proposals	Actual Work	Remarks	
3a	Number of pits proposed for production	Pit No. 1 & 2 – Opencast Working & Underground Working	Pit No. 1 & 2 – Opencast Working & Underground Working	Nil	
3b	Quantity of ROM mineral production proposed	90868 tones	71,793 tones	Nil	
3c	Recovery of Salable/usable minerals from ROM production	90868 tones	71,793 tones	Nil	
3d	Quantity of mineral reject generation	Not Proposed	Nil	Nil	
3e	Grade of mineral reject generation and threshold value declared	Not Proposed	Nil	Nil	
3f	Quantity of sub-grade mineral generation	Not Proposed	Nil	Nil	
3g	Grade of sub-grade mineral generation	Not Proposed	Nil	Nil	
3h	Manual/Mechanized method adopted for segregation from ROM	Manual/Mechanized	Manual/Mechanized	Nil	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Installation of Hydro-cyclone/ picking belt/ classifier of sub-grade mineral	Installation of Hydro-cyclone/ picking belt/ classifier of sub-grade mineral	Nil	
3j	Provision of drilling & blasting in mineral benches	Yes	Yes	Nil	
3k	Provision of mining machineries in mineral benches	Yes	Yes	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	Nil	
3m	Total area covered under excavation /pits (Ha.)	11.45 Ha.	11.90 Ha.	Nil	
3n	Ore to OB ratio for the pit/mine during the year	1:0.36	1:0.27	Nil	
3o	Total area put in use under different heads at the end of year	27.70 Ha.	27.70 Ha.	Nil	
3p	Production of ROM mineral during last five-years period, as Applicable	2019-20	62,128	41,172	Nil
		2020-21	61,752	43,349	
		2021-22	60,463	42,814	
		2022-23	57,131	44,015	
		2023-24	90,868	71,793	
3q	General remarks of inspecting officer on method of mining etc.	Opencast Working & Underground Working along with dump working			

Solid Waste Management-Dumping (2023-24)

S.No	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Yes	Yes	Nil

4b	Location of topsoil, OB & mineral reject dumps	RND 9(Topsoil), RND-4 (OB), RND-3 (Mineral Reject)	RND 9(Topsoil), RND-4 (OB), RND-3 (Mineral Reject)	Nil
4c	Number of Dumps within lease area and outside lease area	3 No.	3 No.	Nil
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	South of Pit No. 1 & 2	South of Pit No. 1 & 2	Nil
4e	Number of Active & Alive dumps	RND 4 (1 No)	RND 4 (1 No)	Nil
4f	Number of dead dumps	2 dumps	2 dumps	Nil
4g	Number of dumps established	Nil	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there	Yes	Yes	Nil
4i	Length of Retaining wall or garland drain all along dump	Retaining Wall 65 mtr. & Garland Drain 200 mtr.	Retaining Wall 65 mtr. & Garland Drain 200 mtr.	Nil
4j	Number of settling ponds	3 No.	3 No	Nil
4k	Specific comments of inspecting officer on waste dump management	OB Waste is disposed in separated dump area RND 4 for proposal Year 2023-24		

Solid Waste Management-Backfilling (2023-24)

S.No	Item	Proposals	Actual Work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Eastern Part of Pit No. 1	Eastern Part of Pit No. 1	Nil
5b	Area under backfilling of mined out area	Yes	Yes	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Yes	Top Soil used for plantation	Nil
5d	Total area fully reclaimed & rehabilitated (Ha)	Eastern Part of Pit No. 1 (0.45 Ha.)	Reclamation work with plantation completed in Pit No. 1 (0.45 Ha.)	Nil
5e	General remarks of inspecting officer on backfilling, reclamation etc	Total 1.300 Ha. Area backfield & 0.45 Ha. Area Proposal for 2023-24 Year is done.		

Progressive Mine Closure Plan (2023-24)

S.No	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	Yes, Submitted	Nil
6b	Area available for rehabilitation (Ha)	NA	NA	Nil
6c	Afforestation done (ha)	0.26 Ha.	0.26 Ha. Year 2023-24	Nil
6d	No. of saplings planted during the year	300 Nos.	Within- 2500 Nos.	Nil
6e	Cumulative no. of plants	Not Proposed	21,410 Nos	Nil
6f	Any other specific method of rehabilitation	Not Proposed	Nil	Nil
6g	Cost incurred on watch & care during the year	Departmentally	Departmentally	Nil

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L X B X D).	Proposed	Carried out	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings.	Proposed	Carried out	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area.	Proposed	Carried out	-
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	Total No. of tree planted 21,410	
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation	Nil	Nil	
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	NA	NA	
6p	Compliance of Environment monitoring (core zone & buffer zone)	Yes	Yes	
6q	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Backfilling is done in Eastern Part of Pit No. 1 Backfilling done as per proposal year 2023-24 and PMCP data submitted.		

Mineral Conservation (2023-24)

S.No	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	Grade wise sorting	Grade wise sorting	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual/ Mechanized	Manual/ Mechanized Both	Nil
7c	Different grade of mineral sort out at mine	1- Below 25% 2- 25% to 35% 3- Above 35% to 46%	1- Below 25% 2- 25% to 35% 3- Above 35% to 46%	Nil
7d	Any beneficiation process at mines	Yes	Yes	Nil
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Mineral beneficiation in practice.		

Environment (2023-24)

S.No	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not Proposed	Carried out	Nil
8b	Concurrent use or storage of topsoil	Not Proposed	Carried out	Nil
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Yes	Yes	Nil
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	Yes	Yes	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining	Proposed	Carried Out	Nil

	operations (Pits, dumps etc)			
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Not Proposed	2500 nos of sapling planted	Nil
8g	Survival rate	Not Proposed	70%	Nil
8h	Water sprinkling on roads to control airborne dust	Proposed	Carried out	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Aesthetic beauty in and around mine area is maintained.		

Compliance of Rule 45 (2023-24)

S.No	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	Annual return for 2023-24 has been submitted timely.	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer, Geologist and Manager have been appointed	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area Under Mining: 11.9 Ha, Used for waste disposal: 10.77 Ha etc.	Nil
9d	Scrutiny of Annual return on afforestation	2500 Nos of saplings planted	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Closing stock of ROM is 1848 tones	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Cost of Production is Rs 6406.24 per tonne	Nil
9i	Scrutiny of Annual return on Fixed assets	Value of Fixed Assets is Rs 216991967 as furnished in annual return for 2023-24.	Nil
9k	Scrutiny of Annual return on mining Machineries	Shovel-03 No, Tippers-10 Nos, Water Tanker-01 No, Wheel Loader: 3 Nos, Blast Hole Drill-02 No etc.	Nil

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed		Show cause position	
Rule No.	Issued on Compliance on	Rule No.	Issued on Compliance on
Nil			

Date:

(SUDIP RANJAN MAZUMDAR)
Indian Bureau of Mines