

MCDR INSPECTION REPORT**General**

S.N.	Particulars	Details
1	Name of the Mine Date of Inspection: Name of Inspecting Officer	Tihai Limestone & Laterite Mines 02.08.2024 Mr. Robert Simon C
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total Lease Area (Ha) - 8.09 Forest land (Ha) – Nil Non-forest land (Ha) – 8.09
3	Mine code	38MPR35260
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/10431/2012
5	Name of the Lessee, Address, Phone, email and fax number	Name of the Lessee: Smt. Urmila Tripathi Address: C/o Shri N K Tripathi, Chandmari, Dhavai, Satna 485001 Phone: 9399898748 Email: rahulelex@yahoo.com Fax:
6	Village	Tihai
7	Taluka/Mandal	Rampur Baghelan
8	District	Satna
9	Pin code	485001
10	State	Madhya Pradesh
11	Post Office	Tihai
12	Nearest Police Station	Rampur Baghelan
13	Nearest Railway Station	Satna
14	Date of Grant of Mining Lease	22/11/1975
15	Date of Execution	22/11/1975
16	Date of opening of Mine	22/11/1975
17	Date of First Renewal, if applicable and its period & expiry	22/11/1995
18	Date of Second Renewal, if applicable and its period & expiry	50 yr extension from first grant up to 21.11.2025
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Lease period extended up to 21.11.2025 as per Amended MMDRA Act, 2015
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Smt Urmila Tripathi Address: C/o Shri N K Tripathi, Chandmari, Dhavai, Satna 485001 Phone: 9399898748 Email: rahulelex@yahoo.com
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	NA

22	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Name- Rishabh Tripathi Qualification- Diploma Mining Engineering Date of Appointment-01/01/2022
23	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Name- Rishabh Tripathi Qualification- Diploma Mining Engineering Date of Appointment-01/01/2022
24	Name of the Geologist, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Name-Shri Devnath Pathak Qualification- M.Sc Geology Date of Appointment-26/03/2022
25	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	Review of Mining Plan LETTER NO. MP/SATNA/LIMESTONE/RMP-36/2022-23/2416 Date of approval: 30/08/2022
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	NA
27	Mineral(s) granted in lease and approved for Mining	Limestone & Laterite
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanized, Others or Manual)	Fully Mechanized
30	Captive/Non-Captive	Non Captive

Exploration

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Not Proposed	N.A.	
1b	Exploration over lease area for Geological axis 1 or 2.	G1	G1	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Lessee Himself	Lessee Himself	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Nil	Nil	
1e	Balance reserves as on 01.04.2024	250545 T	250545 T	
1f	General remarks of Inspecting officer on geology, exploration etc.			

Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	N 2734350 – N 2734560 & E 500075 – E 500270.	But during the year, the development is found lagging wrt the approved proposals towards the western side of the pit.	Violation pointed out under Rule 11(1)
2b	Separate benches in topsoil overburden and mineral (Rule 15)	No	No	
2c	Stripping ratio or ore to OB ratio (2023-24)	1:0.25	1:0.25	
2d	Quantity of topsoil generation in m ³ (2023-24)	Nil	Nil	
2e	Quantity of overburden generation in m ³ (2023-24)	27196 cum	26266 cum	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.			

Exploitation

S. N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	ROM- 121892 t	ROM -121789 t	
3c	Recovery of Salable/usable minerals from ROM production	Limestone-121892 t	Limestone- 121789 t	
3d	Quantity of mineral reject generation	Not Proposed	N.A.	
3e	Grade of mineral reject generation and threshold value declared	Not Proposed	N.A.	
3f	Quantity of sub-grade mineral generation	Not Proposed	N.A.	
3g	Grade of sub-grade mineral generation	Not Proposed	N.A.	

3h	Manual/Mechanized method adopted for segregation from ROM	Mechanized method	Mechanized method	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Proposed	N.A.	
3j	Provision of drilling & blasting in mineral benches	Proposed	Done as per proposal	
3k	Provision of mining machineries in mineral benches	Proposed	Done as per proposal	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3-4 mt height in ROM	3-4 mt height in ROM	
3m	Total area covered under excavation /pits (Ha.)	Not specified	4.092 ha	
3n	Ore to OB ratio for the pit/mine during the year	1:0.22	1:0.22	
3o	Total area put in use under different heads at the end of year	Not specified	4.853 ha	
3p	Production of ROM mineral during last five-years period, as Applicable	2020-21	88160 t	59413 t
		2021-22	124200 t	115404 t
		2022-23	120452 t	123935 t
		2023-24	121892 t	121789 t
3q	General remarks of inspecting officer on method of mining etc.			

Solid Waste Management-Dumping (FY2023-24)

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Separate dumping of OB proposed	Separate dumping of OB done	
4b	Location of topsoil, OB & mineral reject dumps	Proposed	As per proposal	
4c	Number of Dumps within lease area and outside lease area	02 dumps within lease area	02 dumps within lease area	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Within UPL	Within UPL	
4e	Number of Active & Alive dumps	02 dumps within lease area	02 dumps within lease area	
4f	Number of dead dumps	Not Proposed	N.A.	
4g	Number of dumps established	Not Proposed	N.A.	
4h	Whether Retaining wall or garland drain all along dumps are there	Garland drain Proposed 100m	Garland drain Proposed 100m	
4i	Length of Retaining wall or garland drain all along dump	Not proposed	Garland drain Proposed 100m	
4j	Number of settling ponds	Not Proposed	N.A.	
4k	Specific comments of inspecting officer on waste dump management			

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	Nil	Nil	
5b	Area under backfilling of	Not Proposed	N.A.	

	mined out area			
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not Proposed	N.A.	
5d	Total area fully reclaimed & rehabilitated (Ha)	Not Proposed	N.A.	
5e	General remarks of inspecting officer on backfilling, reclamation etc			

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	Proposed	Yes	
6b	Area available for rehabilitation (Ha)	1800 sqm	800 sqm	
6c	Afforestation done (ha)	0.27	0.25	
6d	No. of saplings planted during the year	300	100	
6e	Cumulative no. of plants	Not Proposed	400.	
6f	Any other specific method of rehabilitation	Nil	Nil	
6g	Cost incurred on watch & care during the year	20000	15000	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L X B X D).	Not Proposed	N.A.	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings.	Not Proposed	N.A.	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area.	Not Proposed	N.A.	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir.	Not Proposed	N.A.	
6l	Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means	Not Proposed	N.A.	
6m	Compliance of Rehabilitation of waste land within lease (i)Afforestation	Not Proposed	N.A.	
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation	Not Proposed	N.A.	
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	Not Proposed	N.A.	
6p	Compliance of Environment monitoring (core zone & buffer zone)	Proposed	Done	

6q	General remarks of inspecting officer on PMCP compliance & progressive closer operations	
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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 mineral dispatch	ROM mineral dispatch	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	manual	
7c	Different grade of mineral sort out at mine	Not Proposed	Cement grade	
7d	Any beneficiation process at mines	Not Proposed	N.A.	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues			

Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Not Proposed	N.A.	
8b	Concurrent use or storage of topsoil	Not Proposed	N.A.	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Not Proposed	N.A.	
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	Not Proposed	N.A.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	N.A.	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	By Green belt 300 nos of plan	100 nos of plant	

8g	Survival rate	70%	70%	
8h	Water sprinkling on roads to control airborne dust	Proposed	Water sprinkling on roads done	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area			

Compliance of Rule 45 (2023-24)

S.N.	Item	Proposal	Remarks
9a	Status of submission of monthly and Annual returns	MR and AR of 2023-24 to be submitted.	MR and AR of 2023-24 has been submitted online.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	PART-1 (S.No. 7 & 8): The details in respect of manager and Mining Engineer furnished incorrectly.	Violation pointed out under Rule 45(7)
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	PART-1 S.No.12. The details wrt to Lease area (surface area) utilisation for green belt is incorrectly furnished.	Violation pointed out under Rule 45(7)
9d	Scrutiny of Annual return on afforestation	PART-5 S.No.05 (Trees planted- survival rate). The details wrt to Total no.of trees planted and survival rate furnished are not matching with the field position.	Violation pointed out under Rule 45(7)
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	Given	Closing stock: 1282.843 T
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Given	Ex. Mine price Rs.278.70; production costs: Rs.209.40
9i	Scrutiny of Annual return on Fixed assets	Nil	Nil
9k	Scrutiny of Annual return	Given	DUMPER 16.000 TONNE 2 Non

	on mining Machineries		<p>Electrical Opencast</p> <p>DUMPER 10.000 TONNE 2 Non Electrical Opencast</p> <p>PUMPS (NON-ELEC.) 650.000 L/MN 1 Non Electrical Opencast</p> <p>WATER TANKER 2000.000 LITRE 1 Non Electrical Opencast</p> <p>FRONT END LOADER 1.200 CUM 1 Non Electrical Opencast</p>
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Details of Validations observed during current inspection and compliance position of earlier violation pointed out:-

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
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
Rule 11(1)	08-NOV-24				
Rule 31(4)	08-NOV-24				
Rule 33	08-NOV-24				
Rule 45(7)	08-NOV-24				

Date: 22.01.25

Robert Simon C

Assistant Controller of Mines