

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

S.N.	Particulars	Details
1	Name of the Mine	TIKARIYA- BAUXITE, LATERITE & FIRECLAY
	Date of Inspection:	28/01/2024
	Name of Inspecting Officer	ABHISHEK RANJAN GAUTAM
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	27.35
3	Mine code	07MPR47021
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/5489/2011
5	Last Inspection Details	Inspecting officer – Shri Robert Simon C, ACOM Date of Inspection – 20/03/2023 Rule 11(1), 26(2), 31(4), 33 Compliance date 24/09/2023
6	Mine official present during the inspection	Shri Arun Shukla, Lessee Representative
7	Name of the Lease, Address, Phone, email and fax number	SHRI GANESH PRASAD VISHWAKARMA ADD.- JALPA DEVI WARD KATNI (MP) EMAIL- newminerals@yahoo.com MO.NO.- 8225949605
8	Village	TIKARIYA
9	Taluka/Mandal	MURWARA
10	District	KATNI
11	Pin code	483501
12	State	(MP)
13	Post Office	NIWAR
14	Nearest Police Station	NIWAR
15	Nearest Railway Station	NIWAR
16	Date of Grant of Mining Lease	10/02/2007
17	Date of Execution	10/02/2007
18	Date of opening of Mine	26/02/2007
19	Date of First Renewal, if applicable and its period & expiry	05/06/2015
20	Date of Second Renewal, if applicable and its period & expiry	--
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 GANESH PRASAD VISHWAKARMA ADD.- JALPA DEVI WARD KATNI (MP) EMAIL- newminerals@yahoo.com MO.NO.- 8225949605
23	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	-
24	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	-
25	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	DEEPAK CHOURASIA (B.TECH)MINING
26	Whether Geologist and Mining Engineer appointment	GEOLOGIST-SHUBHAM KUMAR PANDEY

1/26264/2024

	in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	(M.sc-Geology)
27	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	30/07/21 2021-22 TO 25-26
28	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	30/07/21 2021-22 TO 2025-26
29	Mineral(s) granted in lease and approved for Mining	26/02/2007
30	Method of Mining (Opencast, Underground)	OPENCAST
31	Category (Fully Mechanized, Others or Manual)	SEMI MECHANIZED
32	Captive/Non-Captive	NON-CAPTIVE

Exploration

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	Lease area explored up to G1 level	Lease area explored up to G1 level	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	NIL	TOTAL 70PBH 300000	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	NIL	NIL	
1e	Balance reserves as on 01.04.2023	445652	482180 (BAUXITE)	
1f	General remarks of Inspecting officer on geology, exploration etc.	The bauxite in the lease area is in the form of irregular shaped intermix with laterite and fire clay.		

Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	N-23 ⁰ 44'8.942 TO 23 ⁰ 44'3.572 E-80 ⁰ 23'38.047 TO 80 ⁰ 23'41.207	N-23 ⁰ 44'8.942 TO 23 ⁰ 44'3.572 E-80 ⁰ 23'38.047 TO 80 ⁰ 23'41.207	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Separate benches for OB & Mineral proposed	Separate benches for OB & Mineral maintained	
2c	Stripping ratio or ore to OB ratio	1:1:2.6	1:1:2.6	
2d	Quantity of topsoil generation in m ³	NIL	NIL	
2e	Quantity of overburden generation in m ³	NIL	NIL	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Overall development is lagging.		

Exploitation

S.N.	Item	Proposals	Actual Work	Remarks	
3a	Number of pits proposed for production	1	1		
3b	Quantity of ROM mineral production proposed (2022-23)	64628	28100	Violation pointed out under rule 11(1) of MCDR 2017.	
3c	Recovery of Salable/usable mineral from ROM production	50%	43%		
3d	Quantity of mineral reject generation	12310	12310		
3e	Grade of mineral reject generation and threshold value declared	12310	12310		
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	MECHANIZED	MECHANIZED		
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	Not done		
3j	Provision of drilling & blasting in mineral benches	Not proposed	Not done		
3k	Provision of mining machineries in mineral benches	EXCAVATOR	EXCAVATOR		
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Benches maintained as per proposals.		
3m	Total area covered under excavation /pits	9.800	9.800		
3n	Ore to OB ratio for the pit/mine during the year	1:2.6	1.2.6		
3o	Total area put in use under different heads at the end of year	16.6409	16.6409		
3p	Production of ROM mineral during last five-years period, as Applicable	18-19	56963	56550	
		19-20	63394	62000	
		20-21	43969	14800	
		21-22	64628	27360	
		22-23	64628	28100	
3q	General remarks of inspecting officer on method of mining etc	Violation pointed out under rule 11(1) of MCDR 2017.			

Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral	OB dumping	OB dumping done	

1/26264/2024

	reject (Rule 32,33)	proposed		
4b	Location of topsoil, OB & mineral reject dumps	NIL	NIL	
4c	Number of Dumps within lease area and outside lease area	1	1	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	SOUTH WESTE	SOUTH WESTE	
4e	Number of Active & Alive dumps	1	1	
4f	Number of deed dumps	Not proposed	Not applicable	
4g	Number of dumps established	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	Yes proposed	done	
4i	Length of Retaining wall or garland drain all along dump	182	182	
4j	Number of settling ponds	NIL	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	NIL	NIL	
5b	Area under backfilling of mined out area	NIL	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	NIL	NIL	
5d	Total area fully reclaimed & rehabilitated	NIL	NIL	
5e	General remarks of inspecting officer on backfilling, reclamation etc	No comments		

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	Annual report on PMCP submitted on time and correctly	Annual report on PMCP submitted on time and correctly	
6b	Management of worked/mined out benches	2	1	
	i) Area available for rehabilitation (Ha)	0	0	
	ii) Afforestation done (ha)	0.0450	0.0450	

I/26264/2024

	iii) No.of saplings planted during the year	50	50	
	iv) Cumulative no. of plants	150	50	
	v) Any other specific method of rehabilitation	Not proposed	Not applicable	
	vi) Cost incurred on watch & care during the year	5000	5000	
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	GREEN BELT-0.0450	GREEN BELT-0.0450	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	Nil	Nil	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Periodical Air, Water, Noise monitoring Proposed	Carried out as per the proposals	Analysis reports were provided
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	Bauxite is sorted out	Bauxite is sorted out manually. Cement grade bauxite is available in the lease.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual sorting is practiced.	

1/26264/2024

7c	Different grade of mineral sort out at mine	Available grades are sorted out.	Cement grade bauxite is available in the lease area. which is sorted out.	
7d	Any beneficiation process at mines	Not proposed	Not applicable	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Cement grade bauxite is available in the lease. Mineral reject/subgrade mineral is also blended and sold in order to achieve zero waste mining.		

Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Not proposed	Top soil is not present in the area.	
8b	Concurrent use or storage of topsoil	Not proposed	Top soil is not present in the area.	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Yes proposed	Seperate dump of intercalated waste/rejects is practiced.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	yes proposed	as per proposal, waste will will be used for backfilling.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	Not proposed for reporting year	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Nil	Nil	Violation pointed out
8g	Survival rate	NA	NA	
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	There is no top soil in the area, One dump and small stacks of mineral is there. Plantation is not done in reporting period. Violation pointed out.		

Compliance of Rule 45

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	MR of Jan-234 and AR of 2022-23 has been submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Name of the Mining Engineer: Shri Deepak Chourasia Geologist: Shri Shubham Kumar Pandey	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: 9.80 ha. Roads and Infra. : 0.287 ha. Green Belt: 0.045 ha.	As submitted by lessee
9d	Scrutiny of Annual return on Afforestation	-	
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Plantation not done as proposed	Violation pointed out
9f	Scrutiny of Annual return on ROM stock and/or grade ore	As per AR	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex mine Price : Rs 791.67, Cost of production = Rs 650.92/-	
9i	Scrutiny of Annual return on Fixed assets	NII	
9k	Scrutiny of Annual return on mining Machineris	DUMPER 19.000 TONNE 2 Non Electrical Opencast FRONT END LOADER 3.000 CUM 1 Non Electrical Opencast PUMPS (NON-ELEC.) 8.000 L/MN 1 Non Electrical Opencast WATER TANKER 4500.000 LITRE 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 12/02/2024

Rule – 31 (4) of MCDR 2017 dated 12/02/2024

Rule – 34A 27) of MCDR 2017 dated 12/02/2024

Date:

Name:

Abhishek Ranjan Gautam

Designation: Assistant Mining Engineer