

MCDR INSPECTION REPORT**General**

S.N.	Particulars	Details
1	Name of the Mine Date of Inspection: Name of Inspecting Officer	Tikariya Bauxite, Laterite & Fireclay Mine 30-09-2024 Robert Simon C
2	Total Lease Area (Ha) with breakup of non-forest and forest land	Total Lease Area (Ha) - 27.35 Forest land (Ha) – Nil Non-forest land (Ha) – 27.35
3	Mine code	07MPR47021
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/5489/2011
5	Name of the Lessee, Address, Phone, email and fax number	Name of the Lessee: M/s. Ganesh Prasad Vishwakarama. Address: Jalpa Devi Ward Purani Basti Katni (Mp) newminerals1@yahoo.com.
6	Village	Tikariya
7	Taluka/Mandal	Murwara
8	District	Katni
9	Pin code	483501
10	State	Madhya Pradesh
11	Post Office	Niwar
12	Nearest Police Station	Niwar
13	Nearest Railway Station	Niwar
14	Date of Grant of Mining Lease	10.02.2007
15	Date of Execution	10.02.2007
16	Date of opening of Mine	10.02.2007
17	Date of First Renewal, if applicable and its period & expiry	Dated 18/03/2016
18	Date of Second Renewal, if applicable and its period & expiry	30/07/2021
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Ganesh Prasad Vishwakarama Address: Jalpa devi ward purani basti katni (MP). Email: newminerals1@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	Deepak Chourasia Address: Amirganj Katni (MP) Phone: 9179053647 Email: deepakchourasia09031997@gmail.com

		Date of Appointment: 16.09.24
23	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Deepak Chourasia Address: Amirganj Katni (MP) Phone: 9179053647 Email: deepakchourasia09031997@gmail.com Date of Appointment: 16.09.24
24	Name of the Geologist, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shubham Kumar Pandey M.Sc. (Geology), Address: BABUPUR SATNA Date of Appointment: 22.05.2022
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/katni/bauxite/RMP/28/02-22/30/07/2021 Date of approval: 30/07/2021 Period: Up to 31.03.2026
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	Bauxite, Laterite & Fireclay Mine
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanized, Others or Manual)	Semi Mechanized (OTFM)
30	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.	Entire lease area already under G1	Entire lease area already under G1	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Nil	Nil	
1e	Balance reserves as on 01.04.2024	428780 T	428780 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 2625082 2624946 E438246 438317	N 2625082 2624946 E438246 438317	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	NA	NA	
2c	Stripping ratio or ore to OB ratio (2023-24)	1:0.04	1:0.04	
2d	Quantity of topsoil generation in m ³ (2023-24)	Nil	Nil	
2e	Quantity of overburden generation in m ³ (2023-24)	11500	10680	
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	01	01	
3b	Quantity of ROM mineral production proposed in tones (2023-24)	59063	53400	
3c	Recovery of Salable/usable mineral from ROM production	100 %	90.41%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral reject generation and threshold value declared	NA	NA	
3f	Quantity of sub-grade mineral generation	Nil	Nil	
3g	Grade of sub-grade mineral generation	NA	NA	
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	Nil	
3j	Provision of drilling & blasting	NA	NA	

	in mineral benches			
3k	Provision of mining machineries in mineral benches	Yes	Front End Loader No. 1 Nos. Dumpers 03 Nos. Water Tanker	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of benches in overburden and mineral proposed 2.5-5 m for OB & 2.5-6 m for mineral	Height of benches in overburden and mineral are 2.5-5 m for OB & 2.5-6 m for mineral for mineral	
3m	Total area covered under excavation /pits	Not specified	11.05 Hect	
3n	Ore to OB ratio for the pit/mine during the year	1:0.04	1:0.04	
3o	Total area put in use under different heads at the end of year	Not specified	11.615 Hect	
3p	Production of ROM mineral during last five-years period, as Applicable	2019-20	63394	62000
		2020-21	43969	14800
		2021-22	64628	27360
		2022-23	64628	28100
		2023-24	59063	53400
3q	General remarks of inspecting officer on method of mining etc			

Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Temporary OB dump proposed	Temporary OB dump proposed in South western part maintained	
4b	Location of topsoil, OB & mineral reject dumps	Proposed	Temporary OB dump proposed in South western part maintained	
4c	Number of Dumps within lease area and outside lease area	01 Temporary dump proposed within lease area	01 Temporary dump within lease area maintained.	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	South western part	South western part	
4e	Number of Active & Alive dumps	One active dump	One active dump	
4f	Number of deed dumps	Not proposed	NIL	

4g	Number of dumps established	Not proposed	NIL	
4h	Whether Retaining wall or garland drain all along dumps are there	Garland drain will be prepared all around the dumps and these drains will be diverted to nearest nallah.	Garland drain prepared.	
4i	Length of Retaining wall or garland drain all along dump	Proposed	200m (Approx.)	
4j	Number of settling ponds	Nil	Nil	
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 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	Not applicable as full depth of mineral not exhausted and also no OB & waste available for backfilling in future.		

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 PMCP report to be submitted before 1 st day of July every year	Annual report of PMCP submitted	
6b	Management of worked/mined out benches			

	i) Area available for rehabilitation (Ha)	Nil	Nil	
	ii) Afforestation done (ha)	0.015	0.035	
	iii) No. of saplings planted during the year	50	50	
	iv) Cumulative no. of plants	1000	985	
	v) Any other specific method of rehabilitation	Not proposed	NIL	
	vi) Cost incurred on watch & care during the year	Not proposed	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	i)140 X 82 X 10 ii) NIL iii)Nil iv)NIL v)NIL	i)140 X 82 X 10 ii) NIL iii)Nil iv)NIL v)NIL	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	i) 0.050 ii) Nil iii) Plantation	i) 0.059 ii) Nil iii) Plantation	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Air, Water, Noise levels proposed to be monitored .	Compliance of Environment monitoring done.	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations			

Mineral Conservation

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise	ROM mineral	ROM mineral	

	sorting within lease area	dispatch	dispatch	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical sorting	Mechanical sorting	
7c	Different grade of mineral sort out at mine	Cement Grade Bxt	Cement Grade Bxt	
7d	Any beneficiation process at mines	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	ROM mineral dispatch after mechanical sorting done.		

Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	There is no top soil proposals	Nil	
8b	Concurrent use or storage of topsoil	There is no top soil proposals	Nil	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	One separate dump of OB/Waste	One separate dump of OB/Waste	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	Nil	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Proposed	0.045 ha. area used for plantation	50 saplings planted 2023-24.
8g	Survival rate	Not proposed	80%	
8h	Water sprinkling on roads to control airborne dust	Regular water sprinkling proposed	Regular water sprinkling done.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area			

Compliance of Rule 45

S.N.	Item	Comments	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	Given	Name of the Mine Manager & Mining Engineer: Deepak Chourasia Name of the Geologist – Shubham Pandey
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	(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 11.050 11.050 (iii) Reclaimed-rehabilitated 0.000 0.000 0.000 (iv) Used for waste disposal 0.000 0.252 0.252 (v) Occupied by plant, buildings, residential, welfare buildings and roads 0.000 0.269 0.269 (vi) Used for any other purpose (specify) GREEN BELT 0.000 0.045 0.045 (vii) Work done under progressive mine closure plan during the year 0.000 0.000 0.000
9d	Scrutiny of Annual return on afforestation	Given	Afforestation - 50 saplings planted
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	No any mineral reject generated during the year.
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Given	Closing stock: Below 40% Al ₂ O ₃ 326.364 T. Closing stock: 40719.969 T(Cement grade)
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Given	Ex. Mine price –Rs. 793.08/tonne Production costs- Rs. 536.90/tonne
9i	Scrutiny of Annual return on Fixed assets	Given	Rs.16806264.
9k	Scrutiny of Annual return on mining Machineries	Given	Front end Loader 01 Nos. Dumpers 03 Nos. Water Tanker

Details of Validations observed during current inspection and compliance position of earlier violation pointed out: No significant violation pointed out as their any significant lagging in the proposal vs achievement for the proposal year 2023-24.

Date: 21.01.25

Robert Simon C

Assistant Controller of Mines