

**MCDR INSPECTION REPORT****General**

SN	Particulars	Details
1(a)	Name of the Mine	Umadni Muvadi Bauxite Mine
1(b)	Name of Inspecting Officer & Designation	Sanjaya Kumar Sahoo, Junior Mining Geologist
1(c)	Accompanying Mines Representatives	Virtual Inspection
1(d)	Type of Inspection	Virtual Inspection
1(e)	Date of Inspection	Virtual Inspection
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	2.0 Ha
3	Mine code	07GUJ14016
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/45125/2022
5	Name of the lessee, Address, phone, email and fax number	Mr. Yogeshkumar Patel CO Patel Jayantilal Khpatiyu Manund Paten District- Patan Gujarat 384260, jgarkumar2007@gmail.com
6	Village	Umedni Muvadi
7	Taluka/Mandal	Talod
8	District	Sabar Kantha
9	Pin code	-
10	State	Gujarat
11	Post office	Umadni
12	Nearest police station	-
13	Nearest Railway station	-
14	Date of Grant of Mining Lease	04-03-1985 up to 03-03-2005
15	Date of Execution	03-09-1985
16	Date of opening of Mine	-
17	Date of first Renewal, if applicable and its period & expiry	03-03-2005 to 02-09-2035
18	Date of second Renewal, if applicable and its period & expiry	NA
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Expiry date: 02-09-2035
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	NA
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	NA
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mine was not in operation since 30-01-2009. Form-E has been submitted to the office. Manager is not given in Annual Return of 2023-24.
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mine was not in operation since 30-01-2009. Form-E has been submitted to the office. Mines Engineer name is not given in Annual Return of 2023-24.
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55& carrying out their duties as per rule 56 &57.	Mine was not in operation since 30-01-2009. Form-E has been submitted to the office. Geologist name is not given in Annual Return of 2023-24.
25	Date of Approval of Mining Plan/Modified Mining Plan /Review of Mine Plan with five-year period and specific condition in approval letter, if any.	Modified Mining Plan: MCDR-MPCP0CaF1/5/2023-GNR-IBM_RO_GNR, dated: 26-07-2023(Period 2023-24 to 2024-25).
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 proved for mining	Bauxite
28	Method of Mining(Opencast, Underground)	Opencast
29	Category (Fully Mechanised, Others or Manual)	A, Mechanised
30	Captive/Non Captive	Non captive

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. –

**1.0 Exploration**

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	No Proposal	Not Applicable	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No Proposal	Not Applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Total area is already explored to G1.
1e	Balance reserves as on 01.04.2024	UNFC Code 111- 277757.25 MT		
1f	General remarks of inspecting officer on geology, exploration etc.	There was no exploration proposal for 2023-24. Total area is already explored to G1. Mine was not in operation since 30-01-2009. Form-E has been submitted to the office.		

### **2.0 Development**

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
2a	Location of development w.r.t. lease area	Virgin area and Pit-1	No work	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No Proposal	Not Applicable	
2c	Stripping ratio or ore to OB ratio	1:0	No work	
2d	Quantity of topsoil generation in m <sup>3</sup>	No Proposal	Not Applicable	
2e	Quantity of overburden generation in m <sup>3</sup>	No Proposal	Not Applicable	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Mine was not in operation since 30-01-2009. Form-E has been submitted to the office		

### **3.0 Exploitation**

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
3a	Number of pits proposed for production	Virgin area and Pit-1	No work	
3b	Quantity of ROM mineral production proposed	73748.05 MT	No Production	
3c	Recovery of saleable/usable mineral from ROM production	73748.05 MT	No Production	
3d	Quantity of mineral reject generation	No Proposal	Not Applicable	
3e	Grade of mineral reject generation and threshold value declared	No Proposal	Not Applicable	
3f	Quantity of sub-grade mineral generation	No Proposal	Not Applicable	
3g	Grade of sub-grade mineral generation	No Proposal	Not Applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	No Production	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No Proposal	Not Applicable	
3j	Provision of drilling & blasting in mineral benches	No Proposal	Not Applicable	
3k	Provision of mining machineries in mineral benches	Dumper Truck Water Tanker	Dumper Hydraulic shovel	Reported in Annual Return of 2023-24.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	5m in mineral	No Production	Bench height of existing pits is 5m, observed from Drone.
3m	Total area covered under excavation/pits in Ha	0.76 Ha	0.76 Ha	
3n	Ore to OB ratio for the pit/mine during the year	1:0	No Production	

3o	Total area put in use under different heads at the end of year	Area under Mining- 0.76 Ha Mineral Storage- 0.24 Ha Roads- 0.06 Ha	Already exploited and abandoned by opencast (O-C) mining- 0.76 Ha Roads- 0.06 Ha Other- 0.070 Ha	Reported in Annual Return of 2023-24.
3p	Production of ROM mineral during last five-year period, as applicable in MT	2023-24: 73748.05 MT	No Production	
3q	General remarks of inspecting officer on method of mining etc.	Mine was not in operation since 30-01-2009. Form-E has been submitted to the office		

#### 4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	No Proposal	Not Applicable	
4b	Location of topsoil, OB & mineral reject dumps	No Proposal	Not Applicable	
4c	Number of dumps within lease area and outside lease area	Nil	Nil	
4d	Location of dumps w.r.t. ultimate pit limit	Nil	Nil	
4e	Number of active & alive dumps	Nil	Nil	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps stabilised	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	No Proposal	Not Applicable	
4i	Length of Retaining wall or garland drain all along dump	No Proposal	Not Applicable	
4j	Number of settling ponds	No Proposal	Not Applicable	
4k	Specific comments of inspecting officer	There was no proposal of dumping and no dumps are mentioned in drone data. Mine was not in operation since 30-01-2009. Form-E has been submitted to the office		

#### 5.0 Solid Waste Management-Backfilling

S N	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No Proposal	Not Applicable	
5b	Area under backfilling of mined out area	No Proposal	Not Applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No Proposal	Not Applicable	
5d	Total area fully reclaimed & rehabilitated	No Proposal	Not Applicable	
5e	General remarks of inspecting officer on backfilling, reclamation etc.	There was no proposal of backfilling. Mine was not in operation since 30-01-2009. Form-E has been submitted to the office		

#### 6.0 Progressive Mine Closure Plan

SN	Item	Proposals	Actual work	Remarks
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		(2023-24)	(2023-24)	
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2). Details should be given in the format as given in Annexure-20.	Yes	Submitted along with Annual Return.	
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	ii) Area- 0.02 Ha iii) 25 plants     v) ₹12500	ii) Area- 0.02 Ha iii) 25 plants    iv) 25 plants	These details are given in Annual Return of 2023-24 but Shape file of afforestation is not given in Drone data. No plantation work is found in Drone image, hence 11(1) violation is found.
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	iv) Proposed	iv) 0.2 Ha	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	No Proposal	Not Applicable	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	-	-	Virtual inspection
6f	General remarks of inspecting officer on PMCP compliance & progressive	Plantation work during 2023-24 is not found in Drone image. Hence violation under Rule is 11(1) is found.		

### 7.0 Mineral Conservation

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No Proposal	Not Applicable	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	No Proposal	Not Applicable	
7c	Different grade of mineral sorted out at mines	No Proposal	Not Applicable	
7d	Any beneficiation process at mines	No Proposal	Not Applicable	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	There is no issue in mineral conservation & beneficiation as there was no proposal. Mine was not in operation since 30-01-2009. Form-E has been submitted to the office.		

### 8.0 Environment

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Proposal	Not Applicable	
8b	Concurrent use or storage of topsoil	No Proposal	Not Applicable	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No Proposal	Not Applicable	
8d	Use of overburden, waste rock, rejects and fines dumps for	No Proposal	Not Applicable	

	restoring the land to its original use			
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc.)	No Proposal	Not Applicable	
8f	Baseline information on existence of plantation & additional plantation done	Additional plants-25	Additional plants-25	
8g	Survival rate	80%	80%	Reported in Annual Return of 2023-24 but Plantation is not done. Rule (11) is violated.
8h	Water sprinkling on roads to control airborne dust	Yes	-	Virtual inspection
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Plantation is not done. Rule (11) is violated.		

### 9.0 Compliance of Rule 45

S. N	Item	COMMENTS		Remarks
	Status of submission of Monthly and Annual returns	2023-24 Annual Return was submitted on 25-06-2024 January-2025 Monthly Return was submitted on 11-02-2025.		
S. N	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Nil		Mine was not in operation since 30-01-2009. Form-E has been submitted to the office.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. in Ha	Area under Mining- 0.76 Ha Mineral Storage- 0.24 Ha Roads- 0.06 Ha		
9d	Scrutiny of Annual return on afforestation	Area- 0.02 Ha Number of plants- 25 Cumulative number of plants- 25 Survival plants- 80%		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM: O/S and C/S- 199.160 MT, Production- Nil Cement grade: O/S and C/S- 199.160 MT		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Nil		Violation of Rule 45(5)(c) read with 45(7)
9i	Scrutiny of Annual return on fixed assets	Nil		
9k	Scrutiny of Annual return on mining machineries	Dumper Hydraulic shovel		

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:

- Violation was issued on 02-04-2024 under Rules 28(1), 34(A) and the same have been complied on 09-04-2024.
- During the current year virtual inspection, as no operation reported, examined through Drone image and records, violations are found under Rules 11(11) and 45(5) (c) read with 45(7).
- Drone data has been submitted by the Lessee on 16-05-2024 and not found as per SOP hence referred back to the Lessee.
- Self-assessment date of Star Rating by the Lessee is 30-06-2024. 3 Star was given by the Lessee. It has been validated and given 3 Star.

Sanjaya Kumar Sahoo  
Junior Mining Geologist  
Indian Bureau of Mines  
Gandhinagar