

MCDR INSPECTION REPORT

1.0 **GENERAL**

S. No	Particulars	Details
1 (a)	Name of the Mine	Mewasa Bauxite Mine (Survey No. 205)
1(b)	Name of Inspecting Officer & Designation	Mohammad Nimar, Deputy Controller of Mines
1(c)	Accompanying Mines Representatives	Mr. Savani Kevalkumar
1(d)	Type of Inspection	MCDR, Star Rating
1(e)	Date of Inspection	10/12/2024
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	4.5790 Ha (Non- Forest Land)
3	Mine Code	07GUJ07146
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/5331/2011
5	Name of the lessee, Address, phone, email and fax number	M/s Carborundum Universal Limited, P.B. No. 2, Port Okha, Dist: Devbhumi Dwarka, Gujarat- 361350. Email- sahuak@cumi.murugappa.com
6	Village	Mewasa
7	Taluka/Mandal	Kalyanpur
8	District	Devbhumi Dwarka
9	Pincode	361315
10	State	Gujarat
11	Post office	Bhatiya
12	Nearest police station	Bhatiya Police Station at 16.00 Km
13	Nearest Railway station	Bhopalka Railway Station at 16.00 Km
14	Date of Grant of Mining Lease	11/03/2004
15	Date of Execution	09/09/2004
16	Date of opening of Mine	01/04/2006
17	Date of first Renewal, if applicable and its period & expiry	04/08/2018, Valid till 08/09/2052 as per MMDR Amendment Act- 2015
18	Date of second Renewal, if applicable and its period & expiry	NIL
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NIL
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Mr. Sridharan Rangarajan 'Parry House', 43, Moore Street, Chennai- 600001 Date of Appointment: 23/11/2019
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr. Abhaya Kumar Sahu P.B. No. 2, Port- Okha, Dist: Devbhumi Dwarka. Email: sahuak@cumi.murugappa.com
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mr. Savani Kevalkumar P.B. No. 2, Port- Okha, Dist: Devbhumi Dwarka. Email: savanikd@cumi.murugappa.com
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in	Mr. Savani Kevalkumar B.E. Mining, Total Experience: 5 Years P.B. No. 2, Port- Okha, Dist: Devbhumi Dwarka. Email: savanikd@cumi.murugappa.com

	mine	
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Yes Mr. Praful Ramesh K M.Sc. Geology, Total Experience: 1 Years P.B. No. 2, Port- Okha, Dist: Devbhumi Dwarka. Email: prafulramesh@cumi.murugappa.com
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	RMP Period: 2019-20 to 2023-24, Approval Date: 27/02/2019 RMP Period: 2024-25 to 2028-29, Approval Date: 09/04/2024
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	NIL
27	Mineral(s) granted in lease and proved for mining	Bauxite
28	Method of Mining(Open cast, Underground)	Open cast
29	Category (Fully Mechanised, Others or Manual)	Category 'A' Mines
30	Captive/Non Captive	Captive

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

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.	Nil	G-1: 2.3119 Ha G-2: 0.5864 Ha G-3: 1.6807 Ha	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	2.2671 Ha	Nil	
1e	Balance reserves as on 01.04.2024.	90,402.98 MT	90,402.98 MT 25 MT Production & 24 MT Dispatch	
1f	General remarks of inspecting officer on geology, exploration etc.	Total lease area is not explored in G-1. Violation under Rule 12(4) is being issued.		

2.0 Development

SN	Item	Proposals (2023-24)	Actual (2023-24)	Remarks
2a	Location of development w.r.t. lease area	0.1855 Ha	Nil	Mine is
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	1 Bench in Bauxite Mineral	Pit -1, 100x90x4 meter	
2c	Stripping ratio or ore to OB ratio	1:0.026	1:0.026	
2d	Quantity of topsoil generation in	2782 m ³	Nil	

	m3		
2e	Quantity of overburden generation in m3	0	0
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	No Development work is carried out due to temporary discontinuance from 01-04-2019 to 15-01-2024.	

3.0 Exploitation

S N	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
3a	Number of pits proposed for production	Pit -1	Pit -1, 100x90x4 meter	
3b	Quantity of ROM mineral production proposed	10204 Ton	25 Ton	
3c	Recovery of saleable/usable mineral from ROM production	9694 MT	24 Ton	
3d	Quantity of mineral reject generation	485 MT	Nil	
3e	Grade of mineral reject generation and threshold value declared	Al ₂ O ₃ <30%	Nil	
3f	Quantity of sub-grade mineral generation	0	Nil	
3g	Grade of sub-grade mineral generation	Not proposed	Not Applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual Sorting and Screening	Manual Sorting and Screening	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	Not Applicable	
3j	Provision of drilling & blasting in mineral benches	Not proposed	Not Applicable	
3k	Provision of mining machineries in mineral benches	Excavator & Dumper	Excavator & Dumper	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Nil	
3m	Total area covered under excavation/pits	1.8310 Ha	0.905 Ha	
3n	Ore to OB ratio for the pit/mine during the year	1:0.026	Nil	
3o	Total area put in use under different heads at the end of year	Covered under current (O-C) Workings 1.8310, Occupied by plant, buildings, residential, welfare buildings and roads 0.100, Used Mineral Storage and Plantation 0.21	Covered under current (O-C) Workings 0.905, Occupied by plant, buildings, residential, welfare buildings and roads 0.100, Used Mineral Storage and Plantation 1.212	
3p	Production of ROM mineral during last five-year period, as	50927 MT	25 MT	

	applicable			
3q	General remarks of inspecting officer on method of mining etc.	Only 25MT of Production carried in 2023-24 out due to temporary discontinuance from 01-04-2019 to 15-01-2024.		

4.0 Solid Waste Management-Dumping

S N	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	Not proposed	Not Applicable	
4b	Location of topsoil, OB & mineral reject dumps	Not proposed	Not Applicable	
4c	Number of dumps within lease area and outside lease area	Not proposed	Not Applicable	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed	Not Applicable	
4e	Number of active & alive dumps	01	Nil	
4f	Number of dead dumps	Not proposed	Not Applicable	
4g	Number of dumps stabilised	Not proposed	Not Applicable	
4h	Whether Retaining wall or garland drain all along dumps are there	Not proposed	Not Applicable	
4i	Length of Retaining wall or garland drain all along dump	Not proposed	Not Applicable	
4j	Number of settling ponds	Not proposed	Not Applicable	
4k	Specific comments of inspecting officer	No work towards Waste Mangement –Dumping carried out as proposed.		

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	Not proposed	Not Applicable	
5b	Area under backfilling of mined out area	904 m ²	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	Not proposed	Not Applicable	
5d	Total area fully reclaimed & rehabilitated	Not proposed	Not Applicable	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Mine was under temporary discontinuance from 01-04-2019 to 15-01-2024.		

6.0 Progressive Mine Closure Plan

S N	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2)	Yes	Submitted along with Annual Return on 26-06-2024	
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha)	i) 951 m ² ii) 0.0400 Ha	i) Nil ii) 0.0300 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	iii) 100 iv) 410 v) Nil vi) 5000	iii) NIL iv) 310 v) Nil vi) Nil	
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	i) 904 m ² ii) 0 m ² iii) 0 m ² iv) 951 m ² v) 100 m fencing	i) Nil ii) 0 m ² iii) 0 m ² iv) 951 m ² v) Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	NA	Nil	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	18000	Nil	
6f	General remarks of inspecting officer on PMCP compliance & progressive	No plantation and fencing work carried out. Violation under Rule 11(1) is being issued.		

7.0 Mineral Conservation

S N	Item	Proposals (2023-24)	Actual (2023-24)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	9694 MT	24 MT	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sorted out at mines	Refractory and Abrasive	Refractory	
7d	Any beneficiation process at mines	Not proposed	Not Applicable	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Very less production is done. No Mineral conservation issue found.		

8.0 Environment

S N	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	2782 m ³	Nil	
8b	Concurrent use or storage of topsoil	Backfilling	Nil	
8c	Separate dumps for overburden,	Not proposed	Not Applicable	

	waste rock, rejects and fines (Rule 37)			
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Backfilling	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	Not Applicable	
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	100	Nil	
8g	Survival rate	80%	Nil	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	No Environmental issue found as Mine was under temporary discontinuance from 01-04-2019 to 15-01-2024.		

9.0 Compliance of Rule 45

S. N	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	Monthly Returns and Annual Return for the year 2023-24 submitted within stipulated time.	

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	Mining Engineer- Mr. Savani Kevalkumar Geologist -Mr. Praful Ramesh K	Mining Engineer- Mr. Savani Kevalkumar Geologist -Mr. Praful Ramesh K	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O-C) Workings 1.8310, Occupied by plant, buildings, residential, welfare buildings and roads 0.100, Used Mineral Storage and Plantation 0.21		
9d	Scrutiny of Annual return on afforestation	Nil		
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- Nil 40% to below 45% Al ₂ O ₃ - 46183.020 MT Refractory- 1 MT		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Nil		
9i	Scrutiny of Annual return on fixed assets	Nil		
9k	Scrutiny of Annual return on mining machineries	Nil		

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

- a) Previous year Violations under Rule 11(4), 23 and 27 issued and the same has been complied.
- b) This year Violations under Rule 11(1) for not doing plantation and fencing as proposed, Rule 12(4) for Total lease area is not explored in G-1 and Rule 45(5)© for
 - i) Incorrect figures of addition and depletion of reserves and resources have been reported.
 - i) Production and dispatch is shown as 25MT and 24 MT respectively however no ROM production is shown
Violation cum SCN is being issued.
- c) Star Rating validation of Mines has been done. Mines Remains in 3 Star as self-assessed by Lease.
- d) Drone data of Mine is checked and found as per SOP and processed in DDMS portal and also uploaded in MIDPAS.

(Mohammad Nimar)
Deputy Controller of Mines