

MCDR INSPECTION REPORT

1.0 GENERAL

S.No	Particulars	Details
1(a)	Name of the Mine	Mahadevia Bauxite Mine (Survey No. 241/P)
1(b)	Name of Inspecting Officer & Designation	Naman Ekka SMG /
1(c)	Accompanying Mines Representatives	Mr. Anilkumar Dobariya, Mr. Kevalkumar Savani, Mr. Hardik Thanki
1(d)	Type of Inspection	Review of Mining Plan, Star Rating
1(e)	Date of Inspection	11/08/2023
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	4.4617 Ha (Non- Forest Land)
3	Mine Code	07GUJ07095
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	Mahadevia
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 11.00 Km
13	Nearest Railway station	Bhopalka Railway Station at 11.00 Km
14	Date of Grant of Mining Lease	10/04/1991
15	Date of Execution	27/02/1992
16	Date of opening of Mine	
17	Date of first Renewal, if applicable and its period & expiry	Valid till 26/02/2042 as per MMDR Amendment Act- 2015
18	Date of second Renewal, if applicable and its period & expiry	
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	17/02/2012
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Mr. N Ananthasheshan '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. Kevalkumar Savani P.B. No. 2, Port- Okha, Dist: Devbhumi Dwarka. Email: savanikd@cumi.murugapp.com Date of Appointment: 22-10-2021
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mr. Hardik Thanki B.E. Mining, Total Experience: 3 Years P.B. No. 2, Port- Okha, Dist: Devbhumi Dwarka. Email: savanikd@cumi.murugapp.com
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Under Appointment Processor
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	682(23)MS-333/2005M CCM(N)UDP dated 03/04/2006
26	Date of Approval of Review of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	684(4)(1)/MP-159/2018 -GNR/1803 dated 12/09/2018

27	Mineral(s) granted in lease and proved for mining	Bauxite
28	Method of Mining(Open cast, Underground)	Semi-Mechanized Open cast Mining
29	Category (Fully Mechanised, Others or Manual)	Semi- Mechanized Category 'A' Mines
30	Captive/Non Captive	Captive

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

Exploration

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	Mine is temporary discontinued due to Environment Clearance.
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	Nil	
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	Nil	Nil	
1e	Balance reserves as on 01.04.2022.	183570 MT	Nil	
1f	General remarks of inspecting officer on geology, exploration etc.	As reported Area has been explored in past by Drilling BH		

2.0 Development

SN	Item	Proposals	Actual	Remarks
2a	Location of development w.r.t. lease area	0.2470 Ha	Nil	Mine is temporary discontinued due to Environment Clearance.
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	1 Bench in OB & 1 Bench in Bauxite Mineral	Nil	
2c	Stripping ratio or ore to OB ratio	1:4.84	Nil	
2d	Quantity of topsoil generation in m ³	2470 m ³	Nil	
2e	Quantity of overburden generation in m ³	3705 m ³	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Development of pits has carried out as per proposal by separate benches in Top Soil and Mineral.		

3.0 Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	1	Nil	Mine is temporary discontinued due to Environment Clearance.
3b	Quantity of ROM mineral production proposed	29887 MT	Nil	
3c	Recovery of saleable/usable mineral from ROM production	28393 MT	Nil	
3d	Quantity of mineral reject generation	1494 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	NA	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual Sorting and Screening	Nil	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NA	Nil	
3j	Provision of drilling & blasting in mineral benches	NA	Nil	
3k	Provision of mining machineries in mineral benches	Excavator & Dumper	Nil	Mine is temporary discontinued due

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Nil	to Environment Clearance.
3m	Total area covered under excavation/pits	NA	Nil	
3n	Ore to OB ratio for the pit/mine during the year	NA	Nil	
3o	Total area put in use under different heads at the end of year	0.2970 Ha	Nil	
3p	Production of ROM mineral during last five-year period, as applicable	NA	Nil	
3q	General remarks of inspecting officer on method of mining etc.	Method of mining is Opencast. No Drilling and blasting is being carried out		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	Topsoil Dump	Nil	Mine is temporary discontinued due to Environment Clearance.
4b	Location of topsoil, OB & mineral reject dumps	NA	Nil	
4c	Number of dumps within lease area and outside lease area	NA	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	Nil	
4e	Number of active & alive dumps	0	Nil	
4f	Number of dead dumps	0	Nil	
4g	Number of dumps stabilised	0	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	No	Nil	
4i	Length of Retaining wall or garland drain all along dump	NA	Nil	
4j	Number of settling ponds	0	Nil	
4k	Specific comments of inspecting officer	As reported No Solid waste generated.		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	NA	Nil	Mine is temporary discontinued due to Environment Clearance.
5b	Area under backfilling of mined out area	NA	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	NA	Nil	
5d	Total area fully reclaimed & rehabilitated	NA	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	No Back filling of the Mine has been carried out.		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2)	Yes	Yes	Mine is temporary discontinued due to Environment Clearance.
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	i) 0 m ² ii) 0.0500 Ha iii) 100 iv) 410	Nil	Mine is temporary discontinued due to Environment Clearance.

	iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	v) Nil vi) 5000		
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) 1004 m ² ii) 0 m ² iii) 0 m ² iv) 305 m ² v) 100 m fencing	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)	NA	Nil	
6f	General remarks of inspecting officer on PMCP compliance & progressive	PMCP Proposals has not been carried out		

7.0 Mineral Conservation

SN	Item	Proposals	Actual	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	28393 MT	Nil	Mine is temporary discontinued due to Environment Clearance.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Nil	
7c	Different grade of mineral sorted out at mines	Cement, Refractory and Abrasive	Nil	
7d	Any beneficiation process at mines	NO	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No Beneficiation issue reported.		

8.0 Environment

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	2470 m ³	Nil	Mine is temporary discontinued due to Environment Clearance.
8b	Concurrent use or storage of topsoil	Storage	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	Yes	Nil	
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)	NA	Nil	
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	110	Nil	
8g	Survival rate	80%	60%	
8h	Water sprinkling on roads to control airborne dust	Yes	Nil	Mine is temporary discontinued due

				to Environment Clearance.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Mines is surrounded by Little to no Vegetation.		

9.0 Compliance of Rule 45

S.N	Item	COMMENTS		Remarks
	Status of submission of Monthly and Annual returns	MR and AR submitted on 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	Appointed	Found in order	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Already exploited and abandoned by opencast (O-C) mining -0.990	Found in order	
9d	Scrutiny of Annual return on afforestation	NIL		Mines not working
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	NIL		Mines not working
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL		Mines not working
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	NIL		Mines not working
9i	Scrutiny of Annual return on fixed assets	0		
9k	Scrutiny of Annual return on mining machineries	Not Reported		

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:- 11(4), 12(4), 27(1).

**Naman Ekka
SMG**