

MCDR-MiFLOBXT/100/2022-GNR-IBM_RO_GNR
MCDR INSPECTION REPORT

1.0 **GENERAL**
 I/32277/2024

S.No	Particulars	Details
1 (a)	Name of the Mine	Mevasa Bauxite Mine S.NO. 227/228
1(b)	Name of Inspecting Officer & Designation	Sunil Kumar Sharma, Senior Assistant Controller of Mines
1(c)	Accompanying Mines Representatives	Vishal Kamaliya
1(d)	Type of Inspection	Review of mining plan.
1(e)	Date of Inspection	04.11.2023
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	3.1262 HA
3	Mine Code	07GUJ07034
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/248/2011
5	Name of the lessee, Address, phone, email and fax number	M/S Saurashtra Calcine Bauxite & Allied Ind. Harsha Road / P.O-Bhatia, Ta-Kalyanpur, Dist-Devbhumi Dwarka, Ph No.- 02891-2331997
6	Village	Mewasa
7	Taluka/Mandal	Kalyanpur
8	District	Devbhumi Dwarka
9	Pincode	361315
10	State	Gujarat
11	Post office	Mewasa
12	Nearest police station	Bhatia
13	Nearest Railway station	Bhatia
14	Date of Grant of Mining Lease	08.08.1984
15	Date of Execution	16.09.1984
16	Date of opening of Mine	16.01.1985
17	Date of first Renewal, if applicable and its period & expiry	19.09.2003 & 05.09.2034
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	-
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Dwarkadas Raichura Harshad Road /P.O-Bhatia, Ta-Kalyanpur, Dist-Devbhumi Dwarka, PH NO- 02891-233199 Email – scabalindia@gmail.com
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Gulabbhai Pabari Harshad Road /P.O-Bhatia, Ta-Kalyanpur, Dist-Devbhumi Dwarka, PH NO- 02891-233199 Email – scabalbhatiya@gmail.com
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Sri Vishalkumar Kamaliya
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Sri Vishalkumar Kamaliya, BE (Mining), Harshad Road / P.O-Bhatia, Ta-Kalyanpur, Dist-Devbhumi Dwarka, Ph NO- 02891-233199 Email – scabalbhatiya@gmail.com
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55& carrying out their duties as per rule 56 & 57.	Sri Biren Chauhan Harshad Road / P.O-Bhatia, Ta-Kalyanpur, Dist-Devbhumi Dwarka, PH NO- 02891-233199 Email – scabalbhatiya@gmail.com
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	684(4)(1)/MP-229/2019/MDRD(N) GNR Dated 09.07.2019
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	684(4)(1)/MP-229/2019/MDRD(N) GNR Dated 09.07.2019
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)	Mechanised

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

Exploration

SN	Item	Proposals (2022-23)	Actual work	Remarks
1a	Backlog of previous year	2 pits	4 pits	-
1b	Exploration over lease area for Geological axis 1 or 2.	G1: 3.12 Ha.	G1: 3.12 Ha.	-
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Saurashtra Calcine Bauxite & Allied Ind.	Saurashtra Calcine Bauxite & Allied Ind.	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	-
1e	Balance reserves as on 01.04.2023.	111- 130162.5 tonne 211 – 18112.5 tone Total : 148275 tonnes		-
1f	General remarks of inspecting officer on geology, exploration etc.	Total lease area is mineralised and whole lease area has been explored in G-1 category.		

2.0 Development

SN	Item	Proposals (2022-23)	Actual Work	Remarks
2a	Location of development w.r.t. lease area	Pit-1, Bench-1	Pit-1 towards south side	-
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No topsoil & No overburden	No topsoil & No overburden	-
2c	Stripping ratio or ore to OB ratio	1:0	1:0	-
2d	Quantity of topsoil generation in m3	No proposal	Nil	-
2e	Quantity of overburden generation in m3	No proposal	Nil	-
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	There is no overburden and top soil proposed in the plan. No topsoil and no overburden is generated during mining.		

3.0 Exploitation

SN	Item	Proposals (2022-23)	Actual work	Remarks
3a	Number of pits proposed for production	One pit (Pit -1)	One pit (Pit -1)	-
3b	Quantity of ROM mineral production proposed	11040 tonne	100 tonne	-
3c	Recovery of saleable/usable mineral from ROM production	11040 tonne	Cement grade: 80 t Refractory grade: 20 t	-
3d	Quantity of mineral reject generation	No Proposal	NA	-
3e	Grade of mineral reject generation and threshold value declared	No Proposal	NA	-
3f	Quantity of sub-grade mineral generation	No Proposal	NA	-
3g	Grade of sub-grade mineral generation	No Proposal	NA	-
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	-
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No Proposal	NA	-
3j	Provision of drilling & blasting in mineral benches	No Proposal	NA	-
3k	Provision of mining machineries in mineral benches	Rock breaker, Shovel and Tipper	Rock breaker, Shovel and Tipper	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes Bench Height 5.5 m	Yes Bench Height 5.5 m	-
3m	Total area covered under excavation/pits	3.0 Ha.	3.076 Ha.	-
3n	Ore to OB ratio for the pit/mine during the year	1:0	1:0	-
3o	Total area put in use under different heads at the end of year	3.08 Ha	3.076	-
3p	Production of ROM mineral during last five-year period, as applicable	Yr 2019- 20 10293 Yr 2020-21	Yr 2019- 20 Nil Yr 2020-21	less demand of bauxite for own consumption and

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	Yr 2021-22 10695 Yr 2022-23 11040	Yr 2021-22 Nil Yr 2022-23 100
3q	General remarks of inspecting officer on method of mining etc.	Production could not be carried out as per the proposal due to less demand of bauxite for own consumption and low market demand

4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	No Proposal	NA	-
4b	Location of topsoil, OB & mineral reject dumps	No Proposal	NA	-
4c	Number of dumps within lease area and outside lease area	No Proposal	NA	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No Proposal	NA	-
4e	Number of active & alive dumps	No Proposal	NA	-
4f	Number of dead dumps	No Proposal	NA	-
4g	Number of dumps stabilised	No Proposal	NA	-
4h	Whether Retaining wall or garland drain all along dumps are there	No Proposal	NA	-
4i	Length of Retaining wall or garland drain all along dump	No Proposal	NA	-
4j	Number of settling ponds	No Proposal	NA	-
4k	Specific comments of inspecting officer	There is no proposal of dumping of topsoil, overburden and mineral rejects. No topsoil, overburden is generated during mining operation.		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No Proposal	NA	-
5b	Area under backfilling of mined out area	No Proposal	NA	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	No Proposal	NA	-
5d	Total area fully reclaimed & rehabilitated	No Proposal	NA	-
5e	General remarks of inspecting officer on backfilling, reclamation etc	There is no proposal of backfilling in the mining plan. No area is reclaimed and rehabilitated till date.		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2022-23)	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2)	Yes	Submitted	-
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	0 0.0100 20 85 - 2000	0 0.010 05 50 - 2000	Violation observed under Rule 11(1), Plantation is not carried out as specified in mining plan.
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 (Fencing)	No proposal No proposal No proposal No proposal 100 m	NA NA NA NA Nil	Violation observed under Rule 11(1), fencing is not carried out as specified in mining plan.

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6d	Compliance of Method of Rehabilitation within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	No proposal	NA	-
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Ambient Air Quality Water Quality Noise Quality	Maintain Core Zone And Buffer Zone. Environment monitoring has been carried out on regular basis.	-
6f	General remarks of inspecting officer on PMCP compliance & progressive	Violation observed under Rule 11(1), Plantation and fencing work are not carried out as specified in the mining plan.		

7.0 Mineral Conservation

SN	Item	Proposals (2022-23)	Actual (2022-23)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	11,040 tonne	100 tonne	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	-
7c	Different grade of mineral sorted out at mines	Abrasive grade, Refractory grade and cement grade.	Abrasive grade, Refractory grade and cement grade.	Usually This Bauxite Is Hand Sorted Within The Quarry For Different Grade, Such As A Abrasive Grade , Refractory Grade, Ceramic Grade, Cement Grade
7d	Any beneficiation process at mines	No proposal	NA	-
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The in-situ bauxite (ROM) mined is a mixture of ore and other waste material such as lateritic clay and laterite very low in Al ₂ O ₃ and high in Fe ₂ O ₃ and SiO ₂ . usually this in-situ bauxite is hand sorted within the quarry grade wise, such as abrasive grade, refractory grade, and cement grade. The hand sorted ore is transported from the mines to respective plants.		

8.0 Environment

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	No proposal	NA	-
8b	Concurrent use or storage of topsoil	No proposal	NA	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	No proposal	NA	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use.	No proposal	NA	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	NA	-
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	20 Sapling	05	Violation observed under Rule 11(1).
8g	Survival rate	80%	20%	
8h	Water sprinkling on roads to control airborne dust	It is proposed to sprinkling water on haul road.	Water sprinkling on haul road regularly.	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Violation observed under Rule 11(1), Plantation work is not carried out as specified in the mining plan.		

9.0 Compliance of Rule 45

S. N	Item	COMMENTS	Remarks
9a	Status of submission of Monthly and Annual returns	A.R. submitted up to- 22-23 on 09.06.2023 M.R. was Submitted with in stipulated time till date.	-

S. N	Item	Comments	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: Mr. Vishal Kamaliya Geologist: Mr. Biren Chauhan	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Total Lease area: 3.12 Ha Area under working: 3.076 Ha. Roads & Plantation: 0.05 Ha.	-
9d	Scrutiny of Annual return on afforestation	Cumulative 50 plants	-
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil Mineral Rejects.	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil ROM stock	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex mine price Cement grade: 1080 Rs/t Ex mine price Refractory grade: 650 Rs/t	-
9i	Scrutiny of Annual return on fixed assets	No Fixed assets	-
9k	Scrutiny of Annual return on mining machineries	Rock Breaker: 01 No. Tipper: 3 No.	-

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

Violation under Rule11 (1) was observed. Plantation and fencing work was not carried out as proposed in the approved mining plan. A violation letter was issued vide letter No. MCDR-MiFLOBXT/ 100/2022-GNR dated 29.12.2023. Reply of the violation was received from the lessee and compliance was accepted on 28.03.2024 for plantation and fencing work.

**Signed by Sunil Kumar
Sharma
Date: 24-05-2024 17:48:41
Reason: Approved**

(Sunil Kumar Sharma)
Senior Assistant Controller of Mines