

MCDR INSPECTION REPORT**1.0 GENERAL**

S.No	Particulars	Details
1(a)	Name of the Mine	Dedhrota Bauxite Mine
1(b)	Name of Inspecting Officer & Designation	Sunil Kumar Sharma, Senior Assistant controller of Mines
1(c)	Accompanying Mines Representatives	Gautam Prajapati
1(d)	Type of Inspection	MCDR
1(e)	Date of Inspection	07.01.2025
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	20.00 ha (non-forest land)
3	Mine code	07GUJ14023
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/45448/2023 New after Name change IBM/9298/2012Old Alimiya Saiyad
5	Name of the lessee, Address, phone, email and fax number	M/s Dedhrota Bauxite Mine Private Limited – Fifth Floor, Office No. 519, Pramukh Tangent, Near Sargasan Cross Road, Sargasan, Gandhinagar (Gujarat)
6	Village	Dedhrota
7	Taluka/Mandal	Himmatnagar
8	District	Sabarkantha
9	Pin code	383220
10	State	Gujarat
11	Post office	Dedhrota
12	Nearest police station	Himmatnagar
13	Nearest Railway station	Himmatnagar
14	Date of Grant of Mining Lease	10/09/1985
15	Date of Execution	24/11/1986
16	Date of opening of Mine	24/11/1986
17	Date of first Renewal, if applicable and its period & expiry	Extended Up to 09.09.2035
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	-
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	-
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	-
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Yash Chaudhary, B.E. Mining Address: Fifth Floor, Office No. 519, Pramukh Tangent, Near Sargasan Cross Road, Sargasan Gandhinagar-Gujarat Date of Appointment:15/07/2020
24	Whether Geologist and Mining	Pratik Sukhanandi, M.Sc Geology,

	Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Fifth Floor, Office No. 519, Pramukh Tangent, Near Sargasan Cross Road, Sargasan Gandhinagar Gujarat
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining Plan approval date 29/09/2016 with five year period
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Modification of Mining Plan Approval date 03/06/2022 for the period of 01/04/2022 to 31/03/2026
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)	Others
30	Captive/non-captive	Non-Captive

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

Exploration

S.No.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
1a	Backlog of previous year	No proposal	NA	
1b	Exploration over lease area for Geological axis 1 or 2.	No Proposal	NA	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No Proposal	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No Proposal	NA	
1e	Balance reserves as on 01.04.2024	6,648,529.6 tonnes		
1f	General remarks of inspecting officer on geology, exploration etc.	Entire mining lease area is mineralised and it is already explored into G-1 category.		

2.0 Development

S.N.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
2a	Location of development w.r.t. lease area	Pit 1 279832.1 E to 280094.49 E 2612723.45 N to 2612821.73 N	Pit -1 279911.59 E to 280051.62 E 261274.23 N to 2612821.01N	-
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No Proposal	Nil	-
2c	Stripping ratio or ore to OB ratio	1:0	1:0	-
2d	Quantity of topsoil generation in m ³	542.40	433	Utilised in plantation
2e	Quantity of overburden generation in m ³	No Proposal	Nil	-

2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	During the inspection, it was found that the deposit is flat bedded and the area is devoid of overburden. The development of the pit is satisfactory.
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3.0 Exploitation

S.No.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
3a	Number of pits proposed for production	One pit (Pit Size 7.18 Ha.)	One pit (Pit Size 10.05 Ha.)	-
3b	Quantity of ROM mineral production proposed (in tonnes)	6,69,103.23 tonnes	4,47,700 tonnes	-
3c	Recovery of saleable /usable mineral from ROM production	100% ROM is usable	100%	-
3d	Quantity of mineral reject generation	No Proposal	Nil	-
3e	Grade of mineral reject generation and threshold value declared	No Proposal	Nil	-
3f	Quantity of sub-grade mineral generation	No Proposal	Nil	-
3g	Grade of sub-grade mineral generation	No Proposal	Nil	-
3h	Manual / Mechanised method adopted for segregating from ROM	No Proposal	Nil	-
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject.	No Proposal	Nil	-
3j	Provision of drilling & blasting in mineral benches	No Proposal	Nil	-
3k	Provision of mining machineries in mineral benches	Rock breaker, excavator, dumper	Rock breaker, excavator and dumper	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of bench: 5m	Height of the bench: 5m	-
3m	Total area covered under excavation/pits	7.18	10.050	Additional BG Has been submitted
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	8.56	11.31	Additional BG Has been submitted
3p	Production of ROM mineral during last five-year period, as applicable (in million tonnes)	2019-20: 250000 2020-21: 250000 2021-22: 250000 2022-23: 450000 2023-24: 669103.23	2019-20: 249890 2020-21: 248992.61 2021-22: 249799 2022-23: 448458.45 2023-24: 447700	Additional BG Has been submitted
3q	General remarks of inspecting officer on method of mining etc.	During the inspection, it was found that the excavation of the mineral is carried out with the use of rock		

		breaker and dumper shovel combination During the last inspection for the period 2022-23, Violation of Rule 11(1) was observed for additional area put to use. Therefore, additional BG has been submitted, hence the violation was complied on 19.10.2024
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4.0 Solid Waste Management-Dumping

S.No.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	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 stabilized	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	Mining area is devoid of over burden. No solid waste generated during the year.		

5.0 Solid Waste Management-Backfilling

S. No.	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	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 32)	Utilisation in plantation	Topsoil generated during the year was utilised in plantation	-
5d	Total area fully reclaimed & rehabilitated	No proposal	NA	-
5e	General remarks of inspecting officer on backfilling, reclamation etc	During, the inspection, it was found that the generated topsoil in the year 2023-24 was utilised in plantation.		

6.0 Progressive Mine Closure Plan

S.No.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E (2).	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	No Proposals 0.2 Ha. 200 No. 650 No. - ₹ 44,000/-	Not Applicable 0.2 Ha. 200 No. 660 No. - -	-
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	No proposal	NA	-
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	No proposal	NA	-
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	Yes	-
6f	General remarks of inspecting officer on PMCP compliance & progressive	During the inspection, PMCP compliance is found satisfactory.		

7.0 Mineral Conservation

S.No	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area (in tonnes)	cement grade bauxite: 669103.23 tonne	Despatched: 415758.610 tonne	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	No proposal	NA	-
7c	Different grade of mineral sorted out at mines	No proposal	NA	-
7d	Any beneficiation process at mines	No proposal	NA	-
7e	General remarks of inspecting officer on Mineral conservation	During the inspection, it is found that the bauxite was stocked at stock-yard within the lease area and it is		

& beneficiation issues	despatched to the cement plants.
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8.0 Environment

S.No.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	542.40 m ³	433 m ³	Topsoil utilized for plantation
8b	Concurrent use or storage of topsoil	Proposed as utilisation in topsoil	As per proposals utilized for plantation purpose.	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	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 41)	No proposal	NA	-
8g	Survival rate	60%	60%	-
8h	Water sprinkling on roads to control airborne dust	Proposed	Water tanker is deployed for water sprinkling	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Aesthetic beauty in and around mines area is that the local bushes and species are found around the mines.		

9.0 Compliance of Rule 45

S.No.	Item	COMMENTS	Remarks
	Status of submission of Online Monthly and Annual returns	Monthly Return of Jan, 2025 Submitted on 09.02.2025. Annual Return of 2023-24 submitted on 19.06.2024	-
S.No.	Item	Observation of I/Officer /Actual reported in Returns	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager.	Mining Engineer: Yash Chaudhari Geologist: Pratik Sukhanandi	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. (Ha).	Area under working: 10.05 Ha Infrastructure: 0.87 Ha Mineral Stack: 0.39 Ha.	-
9d	Scrutiny of Annual return on	Trees Planted during the year: 200 No.	-

	afforestation.		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore (Tonne)	Closing stock (cement grade bauxite): 76208.832 tonne	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex-mine Price: ₹764.67 /- Cost of production: ₹435.55 /-	-
9i	Scrutiny of Annual return on fixed assets	₹ 2,10,00,000/-	-
9k	Scrutiny of Annual return on mining machineries	Shovel: 02 No. Water Tanker: 01 No. Dumper: 03 No.	-

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

- i. Violation of Rule 11(1), 26(2), 27(1) and 45(5)(c) was observed during last inspection which was complied on 19.10.2024.
- ii. No significant violation has been observed during the inspection.

Sunil Kumar Sharma
Senior Assistant Controller of Mines
