

MCDR INSPECTION REPORT**1.0 GENERAL**

SN	Particulars	Details
1 (a)	Name of the Mine	Satapara Bauxite Mine (Auction Block)
1(b)	Name of Inspecting Officer	Sunil Kumar Sharma, Sr. ACOM
1(c)	Type of Inspection	MCDR and Star Rating inspection
1(d)	Date of Inspection	20/12/2024
2.	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total ML area – 5.538 Ha (Non Forest)
3	Mine-code	07GUJ674001
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/44556/2021
5	Name of the lessee, Address, phone, email and fax number	Shri Karan Palabhai Gojiya Krushna Kunj, Kailash Nagar, Street No.5, Near Haria Collage Dangarvada, Jamnagar, Pin: 361004, Phone 9909032893, Fax No. 9909032893
6	Village	Satapara
7	Taluka/Mandal	Kalyanpur
8	District	Devbhumi Dwarka
9	Pin code	361315
10	State	Gujarat
11	Post office	Satapar
12	Nearest police station	Bhatiya
13	Nearest Railway station	Bhatiya
14	Date of Grant of Mining Lease	03.03.2023
15	Date of Execution	23/03/2023
16	Date of opening of Mine	29.03.2023
17	Date of first Renewal, if applicable and its period & expiry	Not Applicable
18	Date of second Renewal, if applicable and its period & expiry	Not Applicable
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not Applicable
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Not Applicable
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Not Applicable
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Ram Bhautik Bhimashibhai At: Sonariya, Ta: Vearaval, Dist: Gir Somnath. Phone No. : 9904466169 Email: bhautikram@gmail.com DOA: 05/02/2024
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Hiren V. Oza 13, Anandnagar, Sec-27, Gandhinagar Phone No. 8200449883 Email: hirenoza07@gmail.com DOA: 09/07/2024
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	24.12.2021 (2022-23 to 2026-27)

26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Not Applicable
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)	Mechanized
30	Captive/Non Captive	Non-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	2 Boreholes	2 Boreholes	Violation observed under Rule 48
1b	Exploration over lease area for Geological axis 1 or 2.	For G1	To convert to G1	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Lessee	Lessee	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	For G1: 5.5380 Ha	Nil	-
1e	Balance reserves as on 31.03.2024	UNFC Code	Reserves/ Resources	-
		122	850886 tonne	
		222	1327311 tonne	
		Total	2178197 tonne	
1f	General remarks of inspecting officer on geology, exploration etc.	Violation observed under rule 11(1), two boreholes were proposed in the approved mining plan but exploration work has not been carried out.		

2.0 Development

S N	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
2a	Location of development w.r.t. lease area	North part of ML N2427245.44 to N2427088.84 E532982.67 to E533154.58	North part of ML N2427228.8 to N2427033.1 E533029.1 to E533147.7	-
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Top Soil- 1 bench OB- 2 bench Mineral – 2 bench	Top Soil- 1 bench OB- 2 bench Mineral – 2 bench	-
2c	Stripping ratio or ore to OB ratio	1:1.88	1:2.22	-
2d	Quantity of topsoil generation in m ³	22750 m ³	22563 m ³	-
2e	Quantity of overburden generation in m ³	97010 m ³	94977 m ³	-
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Mine development is being carried out with two benches of 6 m height were developed in OB and one bench in topsoil.		

3.0 Exploitation

S N	Item	Proposals 2023-24	Actual work 2023-24	Remarks
3a	Number of pits proposed for production	One pit	One pit	
3b	Quantity of ROM mineral production proposed	200000 tonne	133210.15 tonne	
3c	Recovery of saleable/usable mineral from ROM production	100 %	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	Hydraulic Shovel-1	Hydraulic Shovel-1	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes Bench Height-6m	Bench height- 6 m	
3m	Total area covered under excavation/pits	2.5479 Ha	1.8165 Ha	
3n	Ore to OB ratio for the pit/mine during the year	1:1.88	1:2.22	
3o	Total area put in use under different heads at the end of year	4.5682 Ha	3.6801 Ha	
3p	Production of ROM mineral during last five-year period, as applicable	200000 tonne	133210.15 tonne	
3q	General remarks of inspecting officer on method of mining etc.	During the inspection, excavation was being carried out in second bench of mineral with dumper shovel combination.		

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 32, 33)	Yes Topsoil- 0.37 Ha OB- 1.6 Ha	Yes Topsoil - 0.1 Ha OB – 0.4 Ha	-
4b	Location of topsoil, OB & mineral reject dumps	Top soil: N 2427069 to N 2426932 E 533166 to E 533056 OB: N2427080 to N2426927 E 533059 to E533005	Top soil: N2427131 to N2427082 E533167.1 to E533156.1 OB: N2427238 to N2427122 E533157.5 to 533103	-

4c	Number of dumps within lease area and outside lease area	2 (Top soil-1 & OB-1) (within the lease area)	2 (Top soil-1 & OB-1) (within the lease area)	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Top soil- North west OB – North West	Top soil- North west OB – North West	-
4e	Number of active & alive dumps	2	2	-
4f	Number of dead dumps	No Proposal	Nil	-
4g	Number of dumps stabilised	No Proposal	Nil	-
4h	Whether Retaining wall or garland drain all along dumps are there	No Proposal	Nil	-
4i	Length of Retaining wall or garland drain all along dump	No Proposal	Nil	-
4j	Number of settling ponds	No Proposal	Nil	-
4k	Specific comments of inspecting officer	During the inspection, separate dumps of topsoil, OB and separate stacking of mineral was found.		

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	Nil	-
5b	Area under backfilling of mined out area	No Proposal	Nil	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Topsoil dump: 22750 m ³	Top soil dump: 15000 m ³	Partially utilised for plantation
5d	Total area fully reclaimed & rehabilitated	No Proposal	Nil	-
5e	General remarks of inspecting officer on backfilling, reclamation etc	-		

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 23E (2). Details should be given in the format as given in Annexure-20.	Yes	Submitted with Annual Return 2023-24	-
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha)	No Proposal	Nil	-
6c	Afforestation done (ha)	0.05 Ha	0.05 Ha	-
6d	No. of saplings planted during the year	50 no.	50 no.	-
6e	Cumulative no. of plants	100 No.	80 No.	-
6f	Any other specific method of rehabilitation	No Proposal	Nil	-
6g	Cost incurred on watch & care during the year	₹5000	Approx. ₹5000/-	-

6h	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D)	No Proposal	Nil	-
6i	ii) Void filled by waste/tailings	No Proposal	Nil	-
6j	iii) Afforestation on the backfilled area	No Proposal	Nil	-
6k	iv) Rehabilitation by making water reservoir	No Proposal	Nil	-
6l	v) Any other specific means	No Proposal	Nil	-
6m	Compliance of Rehabilitation of waste land within lease i) Afforestation	No Proposal	Nil	-
6n	ii) Area rehabilitated (ha)	No Proposal	Nil	-
6o	iii) Method of rehabilitation	No Proposal	Nil	-
6p	Compliance of Environmental monitoring (core zone & buffer zone)	No Proposal	Nil	-
6q	General remarks of inspecting officer on PMCP compliance & progressive	During the inspection PMCP compliance is found satisfactory.		

7.0 Mineral Conservation

S N	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting	Grade wise sorting	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	-	Semi-mechanised	-
7c	Different grade of mineral sorted out at mines	Cement, Chemical and Refractory	Cement and Refractory grade	-
7d	Any beneficiation process at mines	No proposal	Nil	-
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Grade-wise mineral sorting of cement grade and refractory grade has been carried out.		

8.0 Environment

S N	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Top Soil: 22750 m ³	Topsoil: 15000 m ³	Partially utilised for plantation
8b	Concurrent use or storage of topsoil	Storage	Storage & partially for plantation	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump for overburden	Separate dump for overburden	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal	Nil	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal	Nil	-

8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	100 No.	80 No. (Additional)	-
8g	Survival rate	80%	About 80%	-
8h	Water sprinkling on roads to control airborne dust	Water sprinkling	Water sprinkling has been carried out.	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	The aesthetic beauty around the mines is that the mine is surrounded by the agricultural fields.		

9.0 Compliance of Rule 45

S. N	Item	COMMENTS	Remarks
9a.	Status of submission of Online Monthly and Annual returns	Annual Return Submitted on 29.06.2024 Monthly return (Dec.2024) submitted on 09.01.2025	-
S. N.	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: - Geologist: -	Mining Engineer & Geologist appointed but not reported in return. Therefore, violation observed under rule 45(5)(c)
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under current working: 1.815 Ha Work done under PMCP during the year: 0.03 Ha	-
9d	Scrutiny of Annual return on afforestation	No. of sapling: 80 Total trees at the end of the year: 40	Violation observed under rule 45(5)(c)
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Cement Grade: 4139.075 tonne Refractory Grade: 1714.22 tonne	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex-mine Price: Cement Grade Bauxite: ₹ 716.67 per tonne Refractory Grade Bauxite: ₹ 1945.83 per tonne	-
9i	Scrutiny of Annual return on fixed assets	Nil information	Violation observed under rule 45(5)(c)
9k	Scrutiny of Annual return on mining machineries	Hydraulic shovel: 2 m ³	Numbers of Dumpers are not reported. Therefore, violation observed under Rule 45(5)(c)

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

1. Drone survey data analysed and found as per SOP.
2. There was no earlier violation pending for compliance.
3. During the inspection, following violation has been observed

नियम सं.	उल्लंघन के प्रकार का विस्तृत ब्यौरा
45(5)(c)	<p>The following deficiencies have been found in the scrutiny of the annual return submitted by you for 2023-24 –</p> <ul style="list-style-type: none"> (i) In point No. 8 and 9 of Part-I of Annual Return 2023-24, the name of mining engineer and geologist has not been provided. (ii) In point No.1 of Part-IIA of Annual Return 2023-24, no data has been provided for value of fixed assets. (iii) In point No. 5 of Part-V of Annual Return 2023-24, 40 no. is mentioned for total number of trees at the end of the year which seems illogical. (iv) In point No. 6 of Part-V of Annual Return 2023-24, the details of all the machineries has not been provided.
48(1)	<p>The holder of a mining lease or the holder of a prospecting licence or composite licence shall keep a record in Form-J of all shafts or boreholes and shall retain such records and preserve the samples of the strata passed through for a period of not less than twelve months after the completion of the work. In your case such record was not found.</p>

(Sunil Kumar Sharma)
Senior Assistant Controller of Mines