

**MCDR Inspection Report****General**

SN	Particulars	Details
1(a)	Name of the Mine	<b>Wandh-1 Bauxite Mine.</b>
1(b)	Name of Inspecting Officer & Designation	Shri. Sanjaya Kumar Sahoo Junior Mining Geologist
1(c)	Accompanying Mines Representatives	Shri P.M.Chandu
1(d)	Type of Inspection	Star Rating
1(e)	Date of Inspection	18-09-2024
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	73.3800 Hectares
3	Mine code	07GUJ10012
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/727/2011
5	Name of the lessee, Address, phone, email and fax number	M/S GMDC LTD
6	Village	Wandh
7	Taluka/Mandal	Mandvi
8	District	Kutch
9	Pin code	370450
10	State	Gujarat
11	Post office	Wandh
12	Nearest police station	Gadhsisa
13	Nearest Railway station	Bhuj
14	Date of Grant of Mining Lease	03.09.1966
15	Date of Execution	12.06.1967
16	Date of opening of Mine	12.06.1967
17	Date of first Renewal, if applicable and its period & expiry	12.06.1987 to 11.06.1997 (10 Yr)
18	Date of second Renewal, if applicable and its period & expiry	12.06.1997 to 11.06.2007 (10 Yr) 12.06.2007 to 11.06.2017 (10 Yr) 12.06.2017 to 11.06.2037 (Deemed Renewal under Sec. 8 A of MMDR Act - 1957)
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	<b>Renewal Granted: for the period upto: 11/06/2037</b> (Govt of Guj. Order no: MCR-1585-G-82-4241-CHH, dtd 19/03/2020)
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Roopwant Singh M/s. GUJARAT MINERAL DEVELOPMENT CORPORATION Ltd. GMDC Ltd, KHANIJ BHAWAN 132 Ft Ring Road, University Ground, Vastrapur, Ahmedabad. (GUJARAT)-380052 Fax No- 07927911321, Phone No- 07927911454 Date of Appointment. - 14-06-2021
21	Name of the Mine Agent with	Shri Sama Ram Rathore

	Address, phone, email, fax number and date of appointment	<b>M/s. GUJARAT MINERAL DEVELOPMENT CORPORATION Ltd.</b> BAUXITE PROJECT, GADHSISA TAL- MANDVI- 370 445 KUTCH (Gujarat) Phone No:02834-282289, 282026 / Tele fax: 02834-282310 CIN : L14100GJ1963SGC001206, Website: www.gmdcltd.com, E-mail : gadhsisa@gmdcltd.com Date of Appointment. - 06/09/2023
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri P.M.Chandu <b>Wandh-1 Bauxite Mines,</b> Wandh, Tal-Mandvi, Dist.-Kutch(Gujarat)-370465 E-Mail: pmchandu@gmdcltd.co.in, Phone No.-9913567330. Date of Appointment. - 07/06/2022
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri , P.M.Chandu, AMIE (Mining) & 1 <sup>st</sup> Class Mgr Under MMR-1961 <b>M/s. GUJARAT MINERAL DEVELOPMENT CORPORATION Ltd.</b> BAUXITE PROJECT, GADHSISA TAL- MANDVI, DIST.-KUTCH (Gujarat)-370445 Date of Appointment. - 07/06/2022
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55& carrying out their duties as per rule 56&57.	Geologist-Mr. A.C. Khodiyar (Date of Appointment. -09/07/2024) Mining Engr-Shri P.M.Chandu (Date of Appointment. - 07/06/2022)
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	<b>2022-23 to 2026-27</b> 684(4)(1)/MP-378(279)2021-22GNR/2335 Dated: -18/01/2022
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	NA
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)	'A'
30	Captive/Non Captive	Non Captive

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

## 2.0 Exploration

SN	Item	Proposals (2023-2024)	Actual work (2023-2024)	Remarks
1a	Backlog of previous year	No Proposal	Not Applicable	Area is fully explored up to
1b	Exploration over lease			G1 Level.

	area for Geological axis 1 or 2.	No Proposal	Not Applicable	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not Applicable	Not Applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No Proposal	Not Applicable	
1e	Balance reserves as on 01.04.2024	UNFC Code 111- 1605603 MT		
1f	General remarks of inspecting officer on geology, exploration etc.	Total area has been explored to G1 level.		

### **2.0 Development**

SN	Item	Proposals (2023-2024)	Actual work (2023-2024)	Remarks
2a	Location of development w.r.t. lease area	Pit- 1, 2 & 3 N-S direction	Pit- 2	Location of Pit-2 - N23° 0' 24.71" E69° 23' 34.6" Size- 85.7m *6.3m*2m
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No Proposal	Not Applicable	
2c	Stripping ratio or ore to OB ratio	1:0.0	1:0.0	
2d	Quantity of topsoil generation in m3	No Proposal	Not Applicable	
2e	Quantity of overburden generation in m3	No Proposal	Not Applicable	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	There was no proposal of generation of over burden and top soil. Pit development is done on proposed location.		

### **3.0 Exploitation**

SN	Item	Proposals (2023-2024)	Actual work (2023-2024)	Remarks
3a	Number of pits proposed for production	Pit- 1, 2 & 3	Pit No- 2	Location of Pit-2 - N23° 0' 24.71" E69° 23' 34.6" Size- 85.7m *6.3m*2m
3b	Quantity of ROM mineral production proposed	114000 MT	4951.697MT	
3c	Recovery of saleable/usable mineral from ROM production	114000 MT	4951.697MT	
3d	Quantity of mineral	No Proposal	Not Applicable	

	reject generation					
3e	Grade of mineral reject generation and threshold value declared	No Proposal	Not Applicable			
3f	Quantity of sub-grade mineral generation	No Proposal	Not Applicable			
3g	Grade of sub-grade mineral generation	No Proposal	Not Applicable			
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	Not Applicable			
3j	Provision of drilling & blasting in mineral benches	No Proposal	Not Applicable			
3k	Provision of mining machineries in mineral benches	Excavator-1, Loader-1, Dumper-3,Water Tanker-1	Back hoe-1, Front end Loader-1, Dumper-2,Water Tanker-1			
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3m in mineral	3m			
3m	Total area covered under excavation/pits in Ha	20.085	17.50			
3n	Ore to OB ratio for the pit/mine during the year	1:00	1:00			
3o	Total area put in use under different heads at the end of year in Ha	27.4263	24.829			
3p	Production of ROM mineral during last five-year period, as applicable in MT	2019-20	115000	2019-20	64069.376	
		2020-21	115000	2020- 21	30594.468	
		2021-22	115000	2021- 22	21054.652	
		2022-23	114000	2022-23	14372.986	
		2023-24	114000	2023-24	4951.697	
3q	General remarks of inspecting officer on method of mining etc.	Due to less market demand, production has been reduced.				

#### **4.0 Solid Waste Management-Dumping**

SN	Item	Proposals (2023-2024)	Actual work (2023-2024)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	No Proposal	Not Applicable	
4b	Location of topsoil, OB &	No Proposal	Not Applicable	

	mineral reject dumps			
4c	Number of dumps within lease area and outside lease area	No Proposal	Not Applicable	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No Proposal	Not Applicable	
4e	Number of active & alive dumps	No Proposal	Not Applicable	
4f	Number of dead dumps	No Proposal	Not Applicable	
4g	Number of dumps stabilised	01	01	
4h	Whether Retaining wall or garland drain all along dumps are there	No Proposal	Not Applicable	
4i	Length of Retaining wall or garland drain all along dump	No Proposal	Not Applicable	
4j	Number of settling ponds	No Proposal	Not Applicable	
4k	Specific comments of inspecting officer	There was no proposal of generation of over burden and top soil. Location of stabilized dump is N23° 0' 46.45" E69° 23' 14.82"		

#### **5.0 Solid Waste Management-Backfilling**

SN	Item	Proposals (2023-2024)	Actual work (2023-2024)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No Proposal	Not Applicable	
5b	Area under backfilling of mined out area	No Proposal	Not Applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No Proposal	Not Applicable	
5d	Total area fully reclaimed & rehabilitated	No Proposal	Not Applicable	
5e	General remarks of inspecting officer on backfilling, reclamation etc	There was no proposal for backfilling and reclamation and not done. No violation found.		

#### **6.0 Progressive Mine Closure Plan**

SN	Item	Proposals (2023-2024)	Actual work (2023-2024)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2).	Yes	Yes Dated- 19-06-2024	

	Details should be given in the format as given in Annexure-20.			
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 Proposal  0.1 Hect. 150 - No Proposal 75000	Not Applicable  0.1 Hect. 170 10353 Not Applicable 100000	
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	Not Applicable	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	No Proposal	Not Applicable	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	Yes	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Bio-fencing has been done. Location co-ordinates taken at Plantation are N23° 0' 32.12", E69° 23' 35.84".		

#### **7.0 Mineral Conservation**

SN	Item	Proposals (2023-2024)	Actual work (2023-2024)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Yes	Yes	
7b	Method of grade-wise mineral sorting i.e.	Manual	Manual	

	manual or mechanical			
7c	Different grade of mineral sorted out at mines	Proposed	Chemical grade and below 42% Al <sub>2</sub> O <sub>3</sub>	
7d	Any beneficiation process at mines	No Proposal	Not Applicable	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Manual sorting and sizing are carried out.		

**8.0 Environment**

SN	Item	Proposals (2023-2024)	Actual work (2023-2024)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Proposal	Not Applicable	
8b	Concurrent use or storage of topsoil	No Proposal	Not Applicable	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No Proposal	Not Applicable	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal	Not Applicable	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal	Not Applicable	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Additional- 150 plants	Additional- 170 Cumulative- 10353 plants	
8g	Survival rate	80%	50%	More number of plants was planted than proposal.
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	There was no proposal of generation of top soil, rejects, over burden etc. No violation found.		

**9.0 Compliance of Rule 45**

S.N.	Item	COMMENTS	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. has been submitted up to December 2024 on dated 07-01-2025. A.R. was submitted on 19-06-2024.	

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 Engg. -P.M.Chandu, Geologist -Miss P H Dave Mine Manager -P.M.Chandu		No violation found.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit - 17.50 ha Reclaimed - 0.000 ha Dump - 0.580 ha Buildings & roads etc. - 1.199 ha Mineral storage-5.550 ha		
9d	Scrutiny of Annual return on afforestation	Plantation work -0.1ha Plantation-170		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Sale value: Rs19463057.04 Ex Mine Price: PG: Rs. 2093.78, NPG: Rs. 638.03/- Production Cost: Rs. 1334.08/-		
9i	Scrutiny of Annual return on fixed assets	Rs. 584238		
9k	Scrutiny of Annual return on mining machineries	Back hoe:1, Front end loader:1, Dumper:2, Water tanker:1		

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

- a. No violation was pointed during last year inspection.
- b. No violation is found during the current year inspection.
- c. Drone data was submitted by the Lessee on dated 26-06-2024, it was checked and returned back as it was not as per SOP. The Lessee has resubmitted on dated 23-11-2024. It is processed as it is found as per SOP.
- d. Self-assessment date Star Rating is 28-06-2024. It has been evaluated and given 4 Star.

Shri. Sanjaya Kumar Sahoo  
Junior Mining Geologist  
Indian Bureau of Mines  
Gandhinagar



