

MCDR INSPECTION REPORT**1.0 GENERAL**

SN	Particulars	Details
1(a)	Name of the Mine	Wandh-2 Bauxite Mine
1(b)	Name of Inspecting Officer & Designation	Shri. Sanjaya Kumar Sahoo Junior Mining Geologist
1(c)	Accompanying Mines Representatives	Shri L. U. Rabari
1(d)	Type of Inspection	Review of Mining Plan
1(e)	Date of Inspection	18-09-2024
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	8.09.00 Hect.
3	Mine code	07GUJ10013
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	370445
10	State	Gujarat
11	Post office	Wandh
12	Nearest police station	Gadhsisa
13	Nearest Railway station	Bhuj
14	Date of Grant of Mining Lease	13.06.1975
15	Date of Execution	11.02.1976 for 20 years
16	Date of opening of Mine	11.02.1976
17	Date of first Renewal, if applicable and its period & expiry	09.02.1995 for 20 years
18	Date of second Renewal, if applicable and its period & expiry	NA
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Extension granted upto:31/03/2030
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Roopwant Singh, IAS [MD]. M/s. GUJARAT MINERAL DEVELOPMENT CORPORATION Ltd. GMDC Ltd, KHANIJ BHAWAN 132 Ft Ring Road, University Ground, Vastrapura, Ahmedabad.(GUJARAT)-380052 Fax No- 07927911321, Phone No- 07927911454 Date of Appointment. - 14/06/2021
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri S.R.Rathore M/s. GUJARAT MINERAL DEVELOPMENT CORPORATION Ltd. 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 L.U. Rabari Wandh-2 Bauxite Mines Date of Appointment: 25/06/2024
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri L.U. Rabari B.E.(Mining)&2 nd Class Manager(R)Under MMR-1961 M/s. GUJARAT MINERAL DEVELOPMENT CORPORATION Ltd. BAUXITE PROJECT, GADHSISA TAL- MANDVI, DIST.-KUTCH (Gujarat)-370445 Date of Appointment. - 25/06/2024
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55& carrying out their duties as per rule 56&57.	Geologist- Ms. P.J. Mohapatra Date of Appointment. - 01/08/2024
25	Date of Approval of Mining Plan/Modified Mining Plan / Review of Mine Plan with five-year period and specific condition in approval letter, if any.	684(4)(1)/MP-342/2021-22GNR/1393 2021-22 to 2024-25 (18/08/2021)
26	Date of Approval of Scheme of	NA

	Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	
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. –

Exploration

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
1a	Backlog of previous year	Nil	25 Pits	
1b	Exploration over lease area for Geological axis 1 or 2.	G1	G1	Area is fully explored upto G1 Level.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No Proposal	M/s GMDC Ltd.	
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	-	111- 79636.86 MT 221- 55938 MT Total- 135,574.86 MT	
1f	General remarks of inspecting officer on geology, exploration etc.	During inspection exploration pits were found. Some co-ordinates of pits are; W2OP-03: N22° 59' 32.9", E069° 25' 57.5" WNP-07: N22° 59' 35.21", E069° 25' 58.21"		

2.0 Development

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
2a	Location of development w.r.t. lease area	Exiting Pit 1 N2539199.75, E548096.78 to N2539072.71, E548829.40	Pit 1	Pit size- 33m x 30m x 1m Pit Location- N22° 59' 30.08", E69° 25' 58.17"
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 Top soil and Overburden and not been found during inspection.		

3.0 Exploitation

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
3a	Number of pits proposed for production	01	01	Pit size- 33m x 30m x 1m
3b	Quantity of ROM mineral production proposed	10144 MT	875.140 MT	
3c	Recovery of saleable/usable mineral from ROM production	10144 MT	875.140 MT	
3d	Quantity of mineral reject generation	No Proposal	Not Applicable	

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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/Loader with rock breaker:1 Dumper-2 Water tanker-1		Backhoe/excavator-1 Dumper-1 Front end loader-1 Water tanker-1		
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	2 m in Mineral		2m in in Mineral		No Overburden
3m	Total area covered under excavation/pits in Ha	Pits- 1.2465 Mineral Stack- 0.0562 Office- 0.0051 Roads- 0.6172		Pits- 1.240 Road,Building etc.0.622 Minera Stack- 0.056		
3n	Ore to OB ratio for the pit/mine during the year	1:0.00		1:0.00		
3o	Total area put in use under different heads at the end of year	1.925		1.918		
3p	Production of ROM mineral during last five-year period, as applicable in MT	2019-20	19,554	2019-20	0	
		2020-21	19,800	2020-21	0	
		2021-22	10,037	2021-22	0	
		2022-23	10,240	2022-23	2767.188	
		2023-24	10,144	2023-24	875.140	
3q	General remarks of inspecting officer on method of mining etc.	Mining operations were not carried during inspection. Height of bench is maintained. Excavation has been done in the exiting pit.				

4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	No Proposal	Not Applicable	
4b	Location of topsoil, OB & mineral reject dumps	No Proposal	Not Applicable	
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	No Proposal	Not Applicable	

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 and not found during the inspection.		

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	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)	Not 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 of back filling and not found during inspection.		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2). Details should be given in the format as given in Annexure-20.	Yes	Yes (Submitted Vide Letter No. = GMDC/CBPG/ENV/151/24-25) Dated:- 30/04/2024	Revised 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	100 plants Area- 0.1 Ha	100 plants Area- 0.1 Ha	
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)	2 time in year	Yes	
6f	General remarks of inspecting officer on PMCP compliance & progressive	21 meters Bio-fencing was proposed but in the field, about 12 meters Bio-fencing found, hence violated Rule 11(1). Violation letter has been issued on 02-12-2024.		

7.0 Mineral Conservation

7. Mineral Conservation				
SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Yes	Yes	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sorted out at mines	Proposed	Done	
7d	Any beneficiation process at mines	No Proposal	Not Applicable	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Only manual sorting, sizing is done. No violation found.		

8.0 Environment

SN	Item	Proposals (2023-24)	Actual work (2023-24)	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	Additional 100 plants Area- 0.1 Ha	Additional 100 plants Area- 0.1 Ha Cumulative no. of plants- 270	
8g	Survival rate	64%	85%	
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	Plantation has been found in the field during inspection. The taken co-ordinates at the plantation area- N22°59'30.3", E069°26'01.6"		

9.0 Compliance of Rule 45

S. N	Item	COMMENTS		Remarks
	Status of submission of Monthly and Annual returns	M.R. submitted upto- December-2024 on 07-01-2025. A.R. submitted upto- 2023-2024 on 17-06-2024.		
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. Shri NR Sankhat	Mining Engg. Shri NR Sankhat	
		Geologist Shri AC Khodiyar	Geologist Shri AC Khodiyar	
9c	Scrutiny of Annual return on	Pit- 1.240	Pit- 1.240	

	land use pattern for area under pits, reclaimed area, dumps etc. in Ha	Building ,Roads etc- 0.622 Mineral Storage- 0.056 Reclaimed- NIL Dumps- NIL	Building ,Roads etc- 0.622 Mineral Storage-0.056 Reclaimed- NIL Dumps- NIL	At the time of inspection; Mining Engineer- Shri L.U. Rabari, Date of Appointment: 25/06/2024 and Geologist- Ms. P.J. Mohapatra Date of Appointment- 01/08/2024 were present.
9d	Scrutiny of Annual return on afforestation	Plantation work - 0.1ha Plants -100 Cumulative no. of plants- 270 Survival rate- 85%	Plantation work -0.1ha Plants -100 Cumulative no. of plants- 270 Survival rate- 85%	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	NIL	NIL	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	875.140 MT	875.140 MT	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex-Mine Price per tonne: P.G. 2629.67/- N.P.G. 979.72/- Sale Value: 2,586,697.3/- Production Cost per tonne: 2120.66/-	Ex-Mine Price per tonne: P.G. 2629.67/- N.P.G. 979.72/- Sale Value: 2,586,697.3/- Production Cost per tonne: 2120.66/-	
9i	Scrutiny of Annual return on fixed assets	0	0	
9k	Scrutiny of Annual return on mining machineries	Backhoe-1 Dumper-1 Front end loader-1 Water tanker-1	Backhoe-1 Dumper-1 Front end loader-1 Water tanker-1	

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

- During last year inspection violation letter under Rule 11(1) was issued on 22-12-2024 and the same has been complied on 05-02-2024.
- During current year inspection, Violation letter has been issued on 02-12-2024 as 21 meters Bio-fencing was proposed in the Mining Plan but in the field, about 12 meters Bio-fencing were found. The same has been complied on 02-01-2025.
- The Drone was submitted by the Lessee on 05-06-2024. It has been checked and found as per SOP.
- The Self-Assessment date of Star Rating is 27-06-2024 and the Rating given by the Lessee is 4. It has been evaluated and given 4 Star.

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