

**MCDR INSPECTION (Star Rating)**

**1.0 GENERAL**

SN	Particulars	Details
1(a)	Name of the Mine	<b>Wandh-1 Bauxite Mine.</b>
1(b)	Name of Inspecting Officer & Designation	Shri Naman Ekka, Senior Mining Geologist
1(c)	Accompanying Mines Representatives	Sh. P M Chandu
1(d)	Type of Inspection	Star Rating
1(e)	Date of Inspection	29-10-2022
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	73-38-00 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	370465
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 11.06.2017 (20 Yr) 12.06.2017 to 31.03.2020 (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 IAS [MD]. <b>M/s. GUJARAT MINERAL DEVELOPMENT CORPORATION Ltd.</b> 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 Sama Ram Rathore <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. – 16/03/2022
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, BE (Mining) <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-Shri H. G. Patel (Date of Appointment. – 03/09/2020)
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	27-10-2020
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-279(112)/2020-21-GNR/1083, Dated: - 27/10/2020 2020-21 To 2021-22
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'(M)
30	Captive/Non Captive	Captive

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

#### Exploration

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	12 Nos of Pits	15 Nos of Pits	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	---	0.6	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserves as on 01.04.2022	1.419 mill tonnes (1.534-0.115)	1.625 mill tonnes	As per New Mining Approved Plan reserve is modified
1f	General remarks of inspecting officer on geology, exploration etc.	As reported Area has been explored in past by Drilling BH and after that Pitting has been done and influence of already existing pits has also been considered for area to be fully explored.		

#### 2.0 Development

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
2a	Location of development w.r.t. lease area	Pit 1 to 3	Pit 1 & 2	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Yes	Not Applicable	
2c	Stripping ratio or ore to OB ratio	1:0.00	1:0.00	
2d	Quantity of topsoil generation in m <sup>3</sup>	Nil	Nil	
2e	Quantity of overburden generation in m <sup>3</sup>	Nil	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Development of pits has carried out as per proposal by separate benches in Top Soil and Mineral.		

#### 3.0 Exploitation

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
3a	Number of pits proposed for production	Pit 1 to 3	Pit 1 & 2	
3b	Quantity of ROM mineral production proposed	109250 MT	21054.652 MT	
3c	Recovery of salable/usable	109250 MT	21054.652 MT	

	mineral from ROM production				
3d	Quantity of mineral reject generation	5750 MT		Nil	
3e	Grade of mineral reject generation and threshold value declared	Nil		Nil	
3f	Quantity of sub-grade mineral generation	Nil		Nil	
3g	Grade of sub-grade mineral generation	Nil		Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised		Mechanised	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NIL		NIL	
3j	Provision of drilling & blasting in mineral benches	NIL		NIL	
3k	Provision of mining machineries in mineral benches	5		5	Exavator-1, 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	Height -0 to 3mtr.		Height -0 to 3mtr.	
3m	Total area covered under excavation/pits	19.2651		16.830	
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	26.6086		22.972	
3p	Production of ROM mineral during last five-year period, as applicable	2017-18	25061	2017-18	26542
		2018-19	125000	2018-19	85000
		2019-20	125000	2019-20	64,069.376
		2020-21	115000	2020-21	30594.468
		2021-22	115000	2021-22	21054.652
3q	General remarks of inspecting officer on method of mining etc.	Method of mining is Opencast. No Drilling and blasting is being carried out			

#### 4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Yes	Done	
4b	Location of topsoil, OB & mineral reject dumps	NA	NA	
4c	Number of dumps within lease area and outside lease area	Nil	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NA	
4e	Number of active & alive dumps	NA	NA	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps stabilised	01	01	
4h	Whether Retaining wall or garland drain all along dumps are there	NA	NA	

4i	Length of Retaining wall or garland drain all along dump	NA	NA	
4j	Number of settling ponds	NA	NA	
4k	Specific comments of inspecting officer	As reported No Solid waste generated.		

#### 5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Nil	Nil	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Nil	Nil	
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	No Back filling of the Mine has been carried out.		

#### 6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2021-22)	Actual work (2021-22)	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/83/22-23) Dated:-16/04/2022	
6b	Management of worked/mined out benches	Nil	Nil	
	i) Area available for rehabilitation (ha)			
	ii) Afforestation done (ha)	0.2 Hect.	2.51 Hect.	
	iii) No. of saplings planted during the year	200	4577	
	iv) Cumulative no. of plants	-	7676	
	v) Any other specific method of rehabilitation	Nil	Nil	
6c	vi) Cost incurred on watch & care during the year	20000	3800000	
	Compliance on reclamation and rehabilitation by backfilling			
	i) Voids available for backfilling (L X B X D)			
	ii) Void filled by waste/tailings	Nil	Nil	
	iii) Afforestation on the backfilled area			
	iv) Rehabilitation by making water reservoir			
v) Any other specific means				
6d	Compliance of Rehabilitation of waste land within lease			
	i) Afforestation	Nil	Nil	
	ii) Area rehabilitated (ha)			
	iii) Method of rehabilitation			

6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	Yes	
6f	General remarks of inspecting officer on PMCP compliance & progressive	PMCP as per Proposals has been carried out.		

#### 7.0 Mineral Conservation

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Yes	Yes	Only manual sorting, sizing is done
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sorted out at mines	Proposed	As Per Proposed	
7d	Any beneficiation process at mines	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No Beneficiation issue reported.		

#### 8.0 Environment

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Nil	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	200	4577	
8g	Survival rate	100%	49.50%	
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	Mines is surrounded by Little to no Vegetation.		

#### 9.0 Compliance of Rule 45

S.N.	Item	COMMENTS	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted upto---- Sept-2022 A.R. submitted upto---- 2021-22	

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 H G Patel Mine Manger	As per proposal	

		P M Chandu	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under pit-16.830 ha Reclaimed area-0.00 Dump-0.582	As per annual return
9d	Scrutiny of Annual return on afforestation	4577 Saplings	4577 plantation done against target of 200
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	YES	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex Mine Price: NPG:1018.25/- Production Cost:1222.46/-	
9i	Scrutiny of Annual return on fixed assets	24282	Value of fixed asset is as per annual return
9k	Scrutiny of Annual return on mining machineries	Exavator-1, Loader-1, Dumper-2, Water Tanker-1	As per the mining plan

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

**No Significant Violations Observed**

*Shri Naman Ekka*  
*SMG*

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SMG

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