

MCDR INSPECTION INFORMATION SHEET

1.0 GENERAL

SN	Particulars	Details
1(a)	Name of the Mine	Naredi-2 Bauxite Mine.
1(b)	Name of Inspecting Officer & Designation	Sh. Pushendra Gaur, Regional Controller of Mines, IBM
1(c)	Accompanying Mines Representatives	T D Ornakar
1(d)	Type of Inspection	MCDR INSPECTION
1(e)	Date of Inspection	19/12/2022
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	66-97-53 Hectares
3	Mine code	07GUJ10002
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	Naredi
7	Taluka/Mandal	Abdasha
8	District	Kutch
9	Pin code	370030
10	State	Gujarat
11	Post office	Naredi
12	Nearest police station	Mothala
13	Nearest Railway station	Bhuj
14	Date of Grant of Mining Lease	20/06/1979
15	Date of Execution	25/06/1979
16	Date of opening of Mine	25/06/1979
17	Date of first Renewal, if applicable and its period & expiry	25/07/2006 Period- 2018-19
18	Date of second Renewal, if applicable and its period & expiry	Renewal of lease up to: 30-03-2030
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NIL
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Roopwanti Singh GMDC Ltd. "Khanij bhavan", 132 FT Ring Road, Vastrapur, Ahmedabad. 14-06-2021
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Sama Ram 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. - 16/03/2022
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri T D Ornakar Naredi-2 Bauxite Mine., Date of Appointment. - 15.07.2022
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri T D Ornakar (AMIE (Mining) & 2 nd Class Manager Under MMR-1961) Naredi-2 Bauxite Mine., Date of Appointment. - 15.07.2022
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Shri Pushyant S Pathak Date of Appointment. -15/11/2022
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	2020-21 To 2023-24 26/10/2020

26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	26/10/2020 VIDE LETTER NO- 684(4)(1)/MP-2B1(116)/2020-21-GM
27	Mineral(s) granted in lease and proved for mining	Bauxite
28	Method of Mining (Opencast, Underground)	Opencast.
29	Category (Fully Mechanised, Others or Manual)	"A"
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	In Past 25 boreholes were already drilled hence 8 pits were done up to Lithomerge encountered to bring area into G1 category.
1b	Exploration over lease area for Geological axis 1 or 2.	G1	G1	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	15 borehole	GMDC 32000 Rs. 8 pits were done	
1d	Balance area to be explored to bring Geological axis in 1 or 2	G1	G1	
1e	Balance reserves as on 01.04.2022	1.195 million tonne (1.32-0.125)	1.305 million tonne (1.32-0.0108)	
1f	General remarks of inspecting officer on geology, exploration etc.	Explored upto G1 Axis.		

2.0 Development

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
2a	Location of development w.r.t. lease area	PIT No - 1 & 2	PIT No - 1 & 2	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	- NA -	- NA -	
2c	Stripping ratio or ore to OB ratio	1:0	1:0	
2d	Quantity of topsoil generation in m ³	Nil	Nil	
2e	Quantity of overburden generation in m ³	Nil	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	As per plan observed, As per data provided by Mining Management.		

3.0 Exploitation

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
3a	Number of pits proposed for production	Pit No. 1 & 2	Pit No. 1 & 2	
3b	Quantity of ROM mineral production proposed	125000	10829.820 MT	Quality issue regarding Ca & Si and only one buyer is available for NPG (<45% Al ₂ O ₃) grade.
3c	Recovery of salable/usable mineral from ROM production	125000	10829.820 MT	
3d	Quantity of mineral reject generation	NIL	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	Manual	Manual	
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	Proposed	NIL	
3k	Provision of mining machineries in mineral benches	Rock Breaker cum Excavator-02- bucket capacity: 0.9m ³ Dumper-03 – capacity 17 tonnes Water Tanker-01	Water tanker- 01, Dumper-02 – capacity; 17 tonnes, Rock Breaker cum Excavator-01 bucket capacity: 0.9m ³	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3 m	1.5 m	
3m	Total area covered under excavation/pits	25.74	24.52	
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	31.59	29.77	
3p	Production of ROM mineral during last five-year period, as applicable	2020-21 2021-22	125000 125000	2020-21 2021-22
				4631.064 10829.820
				Dispatch 2020-21= 5352.98 2021-22= 1104.76
3q	General remarks of inspecting officer on method of mining etc.	Due to less market demand as well as quality issue being one of the problems <i>factor</i> led to less production.		

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	NIL	
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)	NIL	NIL	
4e	Number of active & alive dumps	NIL	NIL	
4f	Number of dead dumps	NIL	NIL	
4g	Number of dumps stabilised	NA	NA	
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	NA		

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	NA		

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 (GMDC/CBPG/83/21-22 Dated 16.04.22)	
6b	Management of worked/mined out benches	Nil	Nil	
	i) Area available for rehabilitation (ha)			
	ii) Afforestation done (ha)	0.1 Hect.	0.1 Hect.	
	iii) No. of saplings planted during the year	100	200	
	iv) Cumulative no. of plants	-	12490	
	v) Any other specific method of rehabilitation	Nil	Nil	
vi) Cost incurred on watch & care during the year	24630	50000		
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	(i) Nil (ii) Nil (iii) NA (iv) NA (v) NA	(i) Nil (ii) Nil (iii) NA (iv) NA (v) NA	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	0.1 ha 100 Plantation Work	0.1 Ha 200 Plantation Work	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	Yes	
6f	General remarks of inspecting officer on PMCP compliance & progressive	All aesthetic beauty of office premises has been maintained with plantation in a very innovative way and appears to be rich in fruit bearing plants such as Mango, Coconut, Jamun, Guava etc. Water is readily available for plantation purposes in nearby pits.		

7.0 Mineral Conservation			Actual work (2021-22)	Remarks
SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Yes	Yes	ROM is used to separate which is done manually according to various grades like PG. >52% NPG. 42-52% Dust. <42% All are stacked and the respective data are maintained in register properly.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sorted out at mines	Bauxite & Sub grade	(i) PG ($Al_2O_3 \geq 52\%$) (ii) NPG (Al_2O_3 40 to <52%) (iii) Subgrade size less than 10 mm	
7d	Any beneficiation process at mines	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Found satisfactory		

8.0 Environment			Actual work (2021-22)	Remarks
SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	Total ROM is salable and no topsoil or OB/IB is present.
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	
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)	100	200	
8g	Survival rate	100%	75%	
8h	Water sprinkling on roads to control airborne dust	Proposed	As per proposal	Water tank is being used for dust suppression.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Area is widespread with shallow depth mining. Appears satisfactory.		

9.0 Compliance of Rule 45			Remarks
S.N	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	M.R. Submitted up to -Nov-2022 A.R. submitted up to- 2021-22	

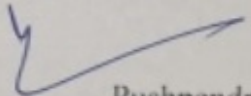
S.N	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engg. T D Ornakar Geologist D S Pathak Mine Manger T D Ornakar	Found satisfactory	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit area under excavation- 24.52ha Infrastructure-1.754 ha Reclaimed land-0.486 ha Dumps-1.643 ha Mineral storage- 1.367 ha	Found satisfactory
9d	Scrutiny of Annual return on afforestation	Plantation work -0.1 ha Total plants 200	Found satisfactory
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	NA	Found satisfactory
9f	Scrutiny of Annual return on ROM stock and/or graded ore	10829.820 MT	Found satisfactory
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Sale Value- 1075844.64 Rs Ex. Mine Price- NPG: 973.82 Rs Production Cost- 639.76Rs.	Found satisfactory
9i	Scrutiny of Annual return on fixed assets	464518	Found satisfactory
9k	Scrutiny of Annual return on mining machineries	Other HEM machinery-01 Dumper-02 Water tanker-01	Found satisfactory

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

None in previous inspection dt. 08/09/2020.

In this inspection, no significant violation observed.


Pushendra Gaur
Regional Controller of Mine
Indian Bureau of Mines
