

MCDR-MiFLOBXT/131/2022-GNR-IBM_RO_GNR
MCDR INSPECTION INFORMATION SHEET

1/7014/2023 **1.0 GENERAL**

SN	Particulars	Details
1(a)	Name of the Mine	Naredi-Nandra Bauxite Mine.
1(b)	Name of Inspecting Officer & Designation	Sh. Pushpendra Gaur, Regional Controller of Mines, IBM
1(c)	Accompanying Mines Representatives	Sh. H C Patel
1(d)	Type of Inspection	MCDR INSPECTION
1(e)	Date of Inspection	20-12-2022
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	169.59.68 Hectares
3	Mine code	07GUJ10017
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/727/2011
5	Name of the lessee, Address, phone, email and fax number	Naredi- Nandra Bauxite Mine, VIL-Naredi, Ta- Abdasa, Dis-Kutch
6	Village	Naredi
7	Taluka/Mandal	Abdasa
8	District	Kutch
9	Pin code	370650
10	State	Gujarat
11	Post office	Naredi
12	Nearest police station	Mothala
13	Nearest Railway station	Bhuj
14	Date of Grant of Mining Lease	12/01/2006
15	Date of Execution	28/03/2006 for 30 Yrs Renewal of lease up to 27-03-2036
16	Date of opening of Mine	28/03/2006
17	Date of first Renewal, if applicable and its period & expiry	1 ST RENEWAL UP TO 27-03-2056
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	NA
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 BHAWAN132 Ft RingRoad,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. 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	ShriP.R.Joshi Naredi-Nandra Bauxite Mines, Naredi, Tal-Abdasha, Dist.-Kutch(Gujarat)-370030 E-Mail: PPADHIKARI@gmdcltd.co.in, Phone No.-9099952106. Date of Appointment. –07/10/2015
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Sama Ram Rathore. B.E. Miuning & (1 st Class Manager Under MMR -1961) 08-03-2022
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55&	Smt. RV Chaudhry

	carrying out MCDR-MFL-OBX-131/2021-GNR-IBM-RO-GNR	
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	2021-22 to 2025-26 (23/08/2021)
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	23/08/2021 VIDE LETTER NO-684(4)(1)/MP-346/2021-22GNR/1409
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	
1b	Exploration over lease area for Geological axis 1 or 2.	G1	G1	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserves as on 01.04.2022	1.852 million tonne (1.887-0.035)	1.874million tonne (1.887-0.0132)	
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 2	Pit no 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 m3	Nil	Nil	
2e	Quantity of overburden generation in m3	Nil	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Satisfactory.		

3.0 Exploitation

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
3a	Number of pits proposed for production	Pit No-2	Pit No-2	
3b	Quantity of ROM mineral production proposed	35000MT	13188.930MT	Quality issue regarding Fe & Si and only one buyer is available for NPG (<45% Al ₂ O ₃) grade
3c	Recovery of salable/usable mineral from ROM production	35000MT	13188.930MT	
3d	Quantity of mineral reject	NIL	NIL	

	generation	MCDR-MIFLOBXT/131/2022-GNR-IBM_RO_GNR				
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	NIL		NIL		
3k	Provision of mining machineries in mineral benches	Rock Breaker cum Excavator-01 - bucket capacity: 0.9m ³ Dumper-02 – capacity 17 tonnes Water Tanker-01		Front end loader -1, Tipper-1 - capacity 17 tonnes		
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height -5m		Height - 1.5m		
3m	Total area covered under excavation/pits	4.888Ha		4.394Ha		
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	10.92Ha		10.43Ha		
3p	Production of ROM mineral during last five-year period, as applicable					DISPATCH
		2017-18	53276	2017-18	14513.234	13416.530
		2018-19	51542	2018-19	34952.826	9977.800
		2019-20	54810	2019-20	30726.222	28897.290
		2020-21	53904	2020-21	34947.116	60343.64
2021-22	35000	2021-22	13188.930	7675.620		
3q	General remarks of inspecting officer on method of mining etc.	Production is less due to quality issues. No working on inspection day.				

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)	NIL	NIL	
4b	Location of topsoil, OB & mineral reject dumps	NIL	NIL	
4c	Number of dumps within lease area and outside lease area	NA	NA	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NA	
4e	Number of active & alive dumps	NIL	NIL	
4f	Number of dead dumps	NIL	NIL	
4g	Number of dumps stabilised	NIL	NIL	
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	NA		

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5.0 Solid Waste Management-Backfilling

S N	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	NA	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	NA	NA	
5d	Total area fully reclaimed & rehabilitated	NA	NA	
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)	0.2 Ha	0.2 Ha	
	iii) No. of saplings planted during the year	200	310	
	iv) Cumulative no. of plants	-	10370	
	v) Any other specific method of rehabilitation	Nil	Nil	
vi) Cost incurred on watch & care during the year	250000	333750	Cost : Related to Plantation	
6c	Compliance on reclamation and rehabilitation by backfilling	(i) Nil	(i) Nil	
	i) Voids available for backfilling (L X B X D)	(ii) Nil	(ii) Nil	
	ii) Void filled by waste/tailings	(iii) NA	(iii) NA	
	iii) Afforestation on the backfilled area	(iv)NA	(iv)NA	
	iv) Rehabilitation by making water reservoir	(v) NA	(v) NA	
v) Any other specific means				
6d	Compliance of Rehabilitation of waste land within lease	0.2 Ha	0.2 Ha	
	i) Afforestation	200	310	
	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	Strikingly aesthetic plantation at office premises.		

7.0 Mineral Conservation

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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

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NA	NIL	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed	NIL	No O/b generated as working done in already exposed area in Pit No 2.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Proposed	NIL	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	NA	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	200	310	
8g	Survival rate	100%	80%	
8h	Water sprinkling on roads to control airborne dust	Proposed	As per Proposal	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Found Satisfactory.		

9.0 Compliance of Rule 45

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

S.N	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining	Mining Engg. Shri Sama Ram Rathore.	Found Satisfactory.	

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	Engineer, Geology and Manager	RV Chaudhry Mine Manger P R JOSHI	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit: 8.422; Reclaimed: 00; Dump: 0.6 Hect	Found Satisfactory.
9d	Scrutiny of Annual return on afforestation	310	Found Satisfactory.
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	NIL	Found Satisfactory.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Yes	Found Satisfactory.
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Sale Value- Rs. 95,97,869.84 EX-MINE PRICE PG-2573.60 NPG-1018.26 PRODUCTION COST- 118.71	Found Satisfactory.
9i	Scrutiny of Annual return on fixed assets	1397598	Found Satisfactory.
9k	Scrutiny of Annual return on mining machineries	LOADER-01 TIPPER-01	Found Satisfactory.

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

Previous inspection dt. 09/02/2021, Rule 33, 45(7) found to be violated.

In this inspection, Rule 33 read with 31(4) found to be violated.

Pushendra Gaur
Regional Controller of Mines
Indian Bureau of Mines
