

MCDR-MiFLOBXT/125/2022-GNR-IBM_RO_GNR
MCDR INSPECTION INFORMATION SHEET

1/7205/2023

1.0 GENERAL

SN	Particulars	Details
1(a)	Name of the Mine	Sorna Bauxite Mine
1(b)	Name of Inspecting Officer & Designation	Pushpender Gaur, Regional Controller of Mines, Gandhinagar
1(c)	Accompanying Mines Representatives	Shri Karanbhai Patel and Shri Ajay Gadhvi Shri Mahammad Ashif Mansuri, ME
1(d)	Type of Inspection	MCDR
1(e)	Date of Inspection	26/12/2022
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	26.2196 hectare area of non-forest
3	Mine code	07GUJ09027
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/21240/2017
5	Name of the lessee, Address, phone, email and fax number	Shri Sanjaykumar Trikamlal Shah Office Address: A2, Arbudanagar Society, Ratnakar Mata Road, Kapadwanj-387620, District – Kheda, State – Gujarat. Resident Address: At- Ghodasar, Ta- Mehamdabad, Dist – Kheda, State - Gujarat. Email-ID : stshahsorna@gmail.com, Mobile No : +91-9909411220 & +91-9825225377
6	Village	Sorna
7	Taluka/Mandal	Kapadwanj
8	District	Kheda
9	Pin code	387620
10	State	Gujarat
11	Post office	Sorna
12	Nearest police station	Kapadwanj
13	Nearest Railway station	Kapadwanj
14	Date of Grant of Mining Lease	21/01/1998 (LOI) and Grant Order date: 01/07/2015
15	Date of Execution	08/10/2015
16	Date of opening of Mine	08/10/2015
17	Date of first Renewal, if applicable and its period & expiry	NA
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 Sanjaykumar Trikamlal Shah Office Address: A2, Arbudanagar Society, Ratnakar Mata Road, Kapadwanj-387620, District – Kheda, State – Gujarat. Resident Address: At- Ghodasar, Ta- Mehamdabad, Dist – Kheda, State - Gujarat. Email-ID : stshahsorna@gmail.com, Mobile No : +91-9909411220 & +91-9825225377
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	NA
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	NA
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Mansuri Mahammad Ashif Babubhai Patelvas, Vardhana movada, Po-Anguthala, Taluka-Dehgam, District-Gandhinagar. Gujarat- 382305 E-mail- ashifmahammad1999@gmail.com Mobile-+91-7984809865
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Shri Vikaskumar Ray, Geologist

SN	MCDR-MIFLOBXT/125/2022-GNR-IBM_RO_GNRs	
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining Plan: Letter No. 682(23) (467)/2006-MCCM(N) Udp. Dated 13.10.2006 Modified Mining plan: 1) Letter No. 684(4)(1)/MP-49/MDRD(U)/GNR Dated 14.08.2017 2) Letter No. 684(4)(1)/MP-202/2018-GNR Dated 26.02.2019
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Review of Mining Plan with PMCP: Letter No. 684(4)(1)/MP-282(202)(49)/2020-21-GNR, Dated 06.11.2020
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" Mechanised Opencast Mine
30	Captive/Non Captive	Non-captive

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

1.0 Exploration

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
1a	Backlog of previous year	No proposal of borehole during the year.	-	-
1b	Exploration over lease area for Geological axis 1 or 2.	NA	NA	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NA	NA	-
1e	Balance reserves as on 01.04.2022	Proved Mineral Reserve (111)- 17819729 ton. Prefeasibility Mineral Reserve (221)- 1431302 ton.	Proved Mineral Reserve (111) - 17819729 ton.	-
1f	General remarks of inspecting officer on geology, exploration etc.	NA		

2.0 Development

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
2a	Location of development w.r.t. lease area	N2542182.02 E 303405.06 N2542333.43 E 303621.39 Production of planning is proposed for year 2021-22 in Pit no.-2A has been covered under the mining.	As per Proposals.	No deviation
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	NA	NA	-
2c	Stripping ratio or ore to OB ratio	NA	NA	-
2d	Quantity of topsoil generation in	NA	NA	-

	m3	MCDR-MiFLOBXT/125/2022-GNR-IBM_RO_GNR		
2e	Quantity of overburden generation in m3	NA	NA	-
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	NA		

3.0 Exploitation

SN	Item	Proposals (2021-22)		Actual work (2021-22)		Remarks
3a	Number of pits proposed for production	Production of planning is proposed in Pit no.-3 has been covered under the mining.		Worked in Pit no.-3. No further extension in the year 2021-22.		No deviation
3b	Quantity of ROM mineral production proposed	Proposed production during the year 2021-22 was 567755 ton.		Actual production during the year 2021-22 was 480000 ton.		Production during 2021-22 is 84.54% only against of 100%.
3c	Recovery of saleable/usable mineral from ROM production	100%		100%		-
3d	Quantity of mineral reject generation	NA		NA		-
3e	Grade of mineral reject generation and threshold value declared	NA		NA		-
3f	Quantity of sub-grade mineral generation	NA		NA		-
3g	Grade of sub-grade mineral generation	NA		NA		-
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	NA		NA		-
3j	Provision of drilling & blasting in mineral benches	NA		NA		-
3k	Provision of mining machineries in mineral benches	NA		NA		-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	NA		NA		-
3m	Total area covered under excavation/pits	14.1587 ha		14.1587 ha		-
3n	Ore to OB ratio for the pit/mine during the year	NA		NA		-
3o	Total area put in use under different heads at the end of year	NA		0.0 ha		-
3p	Production of ROM mineral during last five-year period, as applicable	Year	Proposed production (in ton)	Year	Actual production (in ton)	-
		2017-18	148621	2017-18	323450	
		2018-19	118951	2018-19	206800	
		2019-20	462968	2019-20	105000	
		2020-21	301078	2020-21	103000	
		2021-22	567755	2021-22	480000	
				Total	1218250	

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SN	MCDR-MIFLOBXT/125/2022	Proposed (2021-22)	Actual Mark (2021-22)	Remarks
		Total	1599373	
3q	General remarks of inspecting officer on method of mining etc.	Found Satisfactory.		

4.0 Solid Waste Management-Dumping

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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	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	Nil	Nil	-
4h	Whether Retaining wall or garland drain all along dumps are there	Nil	Nil	-
4i	Length of Retaining wall or garland drain all along dump	Nil	Nil	-
4j	Number of settling ponds	Nil	Nil	-
4k	Specific comments of inspecting officer	Nil		

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	No backfilling is proposed
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	By plantation in the green belt area.
5e	General remarks of inspecting officer on backfilling, reclamation etc	Nil		

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	-
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	Total 500 saplings were proposed during the year 2021-22.	Total 500 saplings were done during the year 2021-22.	Survival rate of plantation is 80%.

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	during the year			
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	Nil	Nil	-
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	No Proposal	No Proposal	-
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Nil	Nil	-
6f	General remarks of inspecting officer on PMCP compliance & progressive	Nil		

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	NA	NA	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	-
7c	Different grade of mineral sorted out at mines	NA	NA	-
7d	Any beneficiation process at mines	NA	NA	-
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	If required, Manual sizing & sorting by using labour.		

8.0 Environment

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NA	NA	-
8b	Concurrent use or storage of topsoil	NA	NA	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	NA	-
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)	Total 500 saplings were proposed during the year 2021-22.	Total 500 saplings were done during the year 2021-22.	Survival rate of plantation is 80%.
8g	Survival rate	80%	80%	-
8h	Water sprinkling on roads to	Water to be sprinkled on	Mobile water tankers	-

	control airborne dust. MCDR-MIFLOBXT/125/2022 GNR-IBM_PO_GNR File has been uploaded for the dust being getting the purpose.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Nil

9.0 Compliance of Rule 45

S.N	Item	COMMENTS	Remarks
.	Status of submission of Monthly and Annual returns	Monthly return was submitted up to the month of November-2022 and Annual return was submitted up to the year 2021-22.	-

S.N	Item	Details Given in Annual return	Observation of I/c Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	1 Mining Engineer, 1 Geologist & 1 supervisor appointed in mine	1 Mining Engineer, 1 Geologist & 1 Supervisor appointed in mine	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	No such details mentioned in AR.	-	
9d	Scrutiny of Annual return on afforestation	500 no plants was proposed	500 plantation was done	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	No proposed	No mineral reject during inspection	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Stock reported in AR	As per proposed	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Shown in AR	There was no deviation.	
9i	Scrutiny of Annual return on fixed assets	As per AR	As per AR	
9k	Scrutiny of Annual return on mining machineries	As per AR	As per AR	

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

In previous inspection, Rules 11(1), 26(2), 27(2) read with 27(1), 33 and 55(3)(1) found to be violated.

In this inspection, Rules 11(1), 33 Read with 31(4) and 34A(1) read with rule 34A(5) found to be violated.
