

MCDR INSPECTION INFORMATION SHEET

1/22679/2023

1.0 GENERAL

SN	Particulars	Details
1(a)	Name of the Mine	Sorna Bauxite Mine
1(b)	Name of Inspecting Officer & Designation	Shri Pushpender Gaur, RCOM
1(c)	Accompanying Mines Representatives	Shri Mansuri Mahammad Ashif Babubhai
1(d)	Type of Inspection	MCDR
1(e)	Date of Inspection	26.08.2023
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, Vardhanamuvada, 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, M-702, PanditDindayal Nagar, Near Vivekanandnagar, Hathijan,

MCDR-MiFLOBXT/125/2022-GNR-IBM_RO_GNR

1/22679/2023

SN	Particulars	Details
		Ahmedabad, Gujarat-382445. E-mail- vikasray407@gmail.com Mobile- +91-7573811278
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Letter No. 682(23) (467)/2006-MCCM(N) Udp. Dated 13.10.2006
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Modification of approved mining Plan with PMCP: Letter No. 684(4)(1)/MP-49/MDRD(U)/GNR Dated 14.08.2017 Modified mining Plan with PMCP: Letter No. 684(4)(1)/MP-202/2018-GNR Dated 26.02.2019 Review of Mining Plan with PMCP: Letter No. 684(4)(1)/MP-282(202)(49)/2020-21-GNR/1161 Dated 06.11.2020
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" Mechanised Open cast Mine
30	Captive/Non Captive	Non-captive

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

Exploration

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
1a	Backlog of previous year	No proposal of borehole during the year.	-	Lease area was explored upto G1 level
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 01.04.2023	Proved Mineral Reserve (111)- 18402729 ton. Prefeasibility Mineral Reserve (221)- 1431302 ton.	Proved Mineral Reserve (111) - 17530229 ton.	As per annual return upto year 2022-23
1f	General remarks of inspecting officer on geology, exploration etc.			

2.0 Development

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
2a	Location of development w.r.t. lease area	Production of planning is proposed in Pit no.-3 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	-

MCDR-MiFLOBXT/125/2022-GNR-IBM_RO_GNR

1/22679/2023

2d	Quantity of topsoil generation in m3	NA	NA	-
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.			

3.0 Exploitation

SN	Item	Proposals (2022-23)		Actual work (2022-23)		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 2022-23.		However, the configuration of the benches were not found as per the proposal.
3b	Quantity of ROM mineral production proposed	Proposed production during the year 2022-23 was 567831 ton.		Actual production during the year 2022-23 was 289500 ton.		-
3c	Recovery of salable/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)	-
2020-21		301078	2020-21	103000		
2021-22		567755	2021-22	480000		
2022-23		567831	2022-23	289500		
2023-24		568171	2023-24	-		
2024-25		568340	2024-25	-		
Total			Total	872500		

MCDR-MiFLOBXT/125/2022-GNR-IBM_RO_GNR

1/22679/2023

SN	Item	Proposals (2022-23)		Actual work (2022-23)	Remarks
		Total	2573176		
3q	General remarks of inspecting officer on method of mining etc.				

4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2022-23)	Actual work (2022-23)	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			

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2022-23)	Actual work (2022-23)	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			

6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2022-23)	Actual work (2022-23)	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)	Total 500 saplings were proposed during the year 2022-23.	Total 500 saplings were done during the year 2022-23.	Survival rate of plantation is 80%.

I/22679/2023

	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			
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			

7.0 Mineral Conservation

SN	Item	Proposals (2022-23)	Actual work (2022-23)	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 (2022-23)	Actual work (2022-23)	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	-

1/22679/2023

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 2022-23.	Only 250 sampling were found during the inspection.	Survival rate of plantation is 50%.
8g	Survival rate	80%	80%	-
8h	Water sprinkling on roads to control airborne dust	Water to be sprinkled on the haul road to suppress the dust being getting airborne.	Water sprinkler not found deployed on the day of inspection.	Violation pointed out under rule 40.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			

9.0 Compliance of Rule 45

S.N	Item	COMMENTS	Remarks
.	Status of submission of Monthly and Annual returns	Monthly return was submitted upto the month of September, 2020 and Annual return was submitted upto the year 2022-23.	-

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	Yes		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes		
9d	Scrutiny of Annual return on afforestation	Yes		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Yes		
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	Yes		
9i	Scrutiny of Annual return on fixed assets	Yes		
9k	Scrutiny of Annual return on mining machineries	Yes		

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: - In inspection, Rules 11(1), 40 (read with 11(1)) observed and violation letter has been issued.

पुष्पेंद्र गौड़
क्षेत्रीय खान नियंत्रक
भारतीय खान ब्यूरो
