

MCDR INSPECTION REPORT**1.0 GENERAL**

S.N	Particulars	Details
1	Name of the Mine	Nandana Bauxite Mine S.No. 199
1(a)		
1(b)	Name of Inspecting Officer & Designation	सुनील कुमार शर्मा, Senior Assistant Controller Of Mines
1(c)	Accompanying Mines Representatives	Shri Vishal kumar B. Kamaliya, Mining Engineer
1(d)	Type of Inspection	MCDR & Star Rating Inspection
1(e)	Date of Inspection	17.12.2024
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	2.44 Ha
3	Mine Code	07GUJ07046
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/248/2011
5	Name of the lessee, Address, phone, email and fax number	M/s Saurashtra Calcine Bauxite & Allied Ind. Harsha Road / P.O-Bhatia, Ta-Kalyanpur, Dist: Devbhumi-Dwarka, Ph No- 02891-2331997
6	Village	Nandana
7	Taluka/Mandal	Kalyanpur
8	District	Devbhumi Dwarka
9	Pincode	361315
10	State	Gujarat
11	Post office	Nandana
12	Nearest police station	Bhatia
13	Nearest Railway Station	Bhatia
14	Date of Grant of Mining Lease	15.01.1981
15	Date of Execution	27.04.1981
16	Date of opening of Mine	24.03.1982
17	Date of first Renewal, if applicable and its period & expiry	27.04.2001 Period: 27.04.2001 to 26.04.2031 Expiry date: 26.04.2031
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 Dwarkadas Raichura Harshad Road /P.O-Bhatia,Ta-Kalyanpur,District: Devbhumidwarka,Ph No- 02891-233199 Email – scabal@gmail.com Date of Appointment: 09/09/2015
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Gulabbhai Pabari Harshad Road /P.O-Bhatia,Ta-Kalyanpur,Dist- Devbhumidwarka,Ph No- 02891-233199 Email – scabal@gmail.com Date of Appointment: 09/09/2015
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	-
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Vishalkumar B. Kamaliya, B.E.(Mining), 5 years Experience Harshad Road / P.O-Bhatia,Ta-Kalyanpur,Dist- Devbhumidwarka,Ph No- 02891-233199 Email – scabal@gmail.com

		Date of Appointment: 04/10/2022
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55& carrying out their duties as per rule 56 & 57.	Yes, Geologist: Biren Chauhan
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	682(23)(MS-386)2007 MCCM(U)UDP, Dated 09/10/2007 Period: 2017-18 to 2021-22 682(23)MS-386/2007-II MCCM(U)UDP, Dated: 16/01/2013 Period: 2013-14 to 2016-17 682(23)386/2003 MCCM(N)UDP, 02/12/2016 Period: 2017-18 to 2021-22
26	Date of Approval of Scheme of Mining/ Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	MCDR-MPCP0CaFI/18/2023-GNRIBM_RO_GNR MP-501 Dated: 25.09.2023 Period: 2023-24 to 2026-27
27	Mineral(s)	Bauxite
28	Method of Mining(Open cast, Underground)	Open cast
29	Category (Fully Mechanised, Others or Manual)	Other
30	Captive/Non Captive	Captive

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

Exploration

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
1a	Backlog of previous year	No backlog	NA	-
1b	Exploration over lease area for Geological axis 1 or 2.	No Proposal	Nil	-
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No Proposal	Nil	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	No Proposal	Nil	-
1e	Balance reserves as on 01.04.2024.	UNFC Code	Reserves/ Resources	-
		111	78,092 tonnes	
		211	26,352 tonnes	
		Total	104,444 tonnes	
1f	General remarks of inspecting officer on geology, exploration etc.	Entire lease area has already been explored in G1 category.		

2.0 Development

SN	Item	Proposal (2023-24)	Actual (2023-24)	Remarks
2a	Location of development w.r.t. lease area	central part of the lease area in Pit-1	central part of the lease area in Pit-1	-
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No proposal of benches in topsoil & overburden One bench in mineral	One bench in mineral	-
2c	Stripping ratio or ore to OB ratio	1:0	1:0	-
2d	Quantity of topsoil generation in m ³	483 m ³	Nil	-
2e	Quantity of overburden generation in m ³	No Proposal	Nil	-
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	There are two pits in the mine. Proposal for production during the year 2023-24 has been given in Pit-1. The production is also carried out from Pit No.1.		

3.0 Exploitation

S N	Item	Proposal(2023-24)	Actual work (2023-24)	Remarks
3a	Number of pits proposed for production	One pit, Pit-1	Pit-1	-
3b	Quantity of ROM mineral production proposed	14385.60 tonne	100 tonne	-
3c	Recovery of saleable/usable mineral from ROM production	100% (14385.60 tonne)	100% (100 tonne)	-
3d	Quantity of mineral reject generation	No proposal	Nil	-
3e	Grade of mineral reject generation and threshold value declared	No proposal	Nil	-
3f	Quantity of sub-grade mineral generation	No proposal	Nil	-
3g	Grade of sub-grade mineral generation	No proposal	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	No proposal	Nil	-
3j	Provision of drilling & blasting in mineral benches	No proposal	Nil	-
3k	Provision of mining machineries in mineral benches	Back Hoe: 1 Tipper: 1	Back Hoe: 1 Tipper: 1	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/ SOM	Bench Height: 6m	Yes, Bench Height: 6m	-
3m	Total area covered under excavation/pits	1.62Ha.	1.48 Ha	-
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	Under mining: 1.62 Ha Roads: 0.1 Ha. Area put to use: 1.87 Ha	Under mining: 1.48 Ha Roads: 0.08 Ha. Area put to use: 1.56 Ha	-
3p	Production of ROM mineral during last five-year period, as applicable	2019-20 17051 T 2020-21 17051 T 2021-22 18425 T 2022-23 Nil 2023-24 14385 T	2019-20 Nil 2020-21 180 T 2021-22 Nil 2022-23 100 T 2023-24 100 T	-
3q	General remarks of inspecting officer on method of mining etc.	Open pit mining method is being utilised for production. The production during the year 2023-24 is 100 tonnes against proposal of 14385 tonnes due to less market demand of the mineral.		

4.0 Solid Waste Management-Dumping

S N	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	No Proposal	Nil	-
4b	Location of topsoil, OB & mineral	No Proposal	Nil	-

	reject dumps			
4c	Number of dumps within lease area and outside lease area	No Proposal	Nil	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No Proposal	Nil	-
4e	Number of active & alive dumps	No Proposal	Nil	-
4f	Number of dead dumps	No Proposal	Nil	-
4g	Number of dumps stabilised	No Proposal	Nil	-
4h	Whether Retaining wall or garland drain all along dumps are there	No Proposal	Nil	-
4i	Length of Retaining wall or garland drain all along dump	No Proposal	Nil	-
4j	Number of settling ponds	No Proposal	Nil	-
4k	Specific comments of inspecting officer	There was no proposal of dump of waste and mineral reject. During the inspection, no dump of waste and mineral reject was found.		

5.0 Solid Waste Management-Backfilling

S N	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	0.49 Ha.	0.49 Ha.	-
5b	Area under backfilling of mined out area	0.49 Ha.	0.49 Ha.	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	For Plantation & Rehabilitation	Plantation & rehabilitation	-
5d	Total area fully reclaimed & rehabilitated	No Proposal	Nil	-
5e	General remarks of inspecting officer on backfilling, reclamation etc	West side of the lease area around 0.49 Ha. is backfilled and agriculture work is being carried out on that area.		

6.0 Progressive Mine Closure Plan

S N	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2)	Yes	Submitted along with Annual Return 2023-24 on 21.06.2024	-
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 during the year	No Proposal 0.020 20 - - ₹ 5000/-	Nil 0.020 20 100 - -	-
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings	0.49 Ha. Top soil	0.49 Ha Top soil	-

	iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	0.49 Ha. No Proposal -	0.49 Ha. Nil -	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	No Proposal	Nil	-
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Ambient Air Quality Water Noise Quality	Monitoring is being carried out on regular interval	-
6f	General remarks of inspecting officer on PMCP compliance & progressive	Plantation around the pit 1 has been carried out. During inspection, it was found that agriculture is being carried out at west side of the lease area.		

7.0 Mineral Conservation

Mineral Conservation				
S N	Item	Proposals (2023-24)	Actual (2023-24)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade-wise sorting within lease area	Grade-wise sorting within lease area	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sorted out at mines	Abrasive Grade, Refractory Grade, Cement Grade	Abrasive Grade, Refractory Grade, Cement Grade	
7d	Any beneficiation process at mines	No Proposal	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The sorting of the extracted bauxite mineral is carried out and stacked as abrasive, refractory and cement grade bauxite.		

8.0 Environment

S N	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	No Proposal	-	-
8b	Concurrent use or storage of topsoil	-	The use of topsoil for plantation in safety barrier zone.	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	No Proposal	Nil	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal	Nil	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal	Reclamation has been carried out at west side of the lease area	-
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	Additional Plantation: 100 No.	Additional Plantation: 100 No.	-
8g	Survival rate	50%	Around 70%	-
8h	Water sprinkling on roads to	Proposal to sprinkling	water sprinkling on	-

	control airborne dust	water on haul road	haul road	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	In and around the mines are agriculture land and agricultural work is done around the lease area by local people.		

9.0 Compliance of Rule 45

S.N	Item	Comments	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly Return (November 24): submitted on 07.12.2024 Annual Return 2023-24 submitted on 21.06.2024	-

S. N	Item	Comment	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: Mr. Amit Panchal Geologist: Mr. Biren Chauhan	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under working: 1.48 Ha. Infrastructure & Roads: 0.08 Ha Others (reclamation) & Mineral Storage: 0.52 Ha.	-
9d	Scrutiny of Annual return on afforestation	Trees planted during the year: 20 No. Survival Rate: 50%	-
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	-	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM: 100 tonnes Cement Grade: 100 tonnes	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex-mine Price: ₹ 719.96/- per tonne Cost of Production: ₹ 1364.96 per tonne	-
9i	Scrutiny of Annual return on fixed assets	-	-
9k	Sc-rutiny of Annual return on mining machineries	Back Hoe - 01 No. Tipper- 01 No.	-

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

- (1) Drone survey data has been analysed and found as per SOP.
- (2) No compliance is pending for earlier violations
- (3) During the inspection, no significant violation has been observed.

(सुनील कुमार शर्मा)
Senior Assistant Controller of Mines