

GENERAL

I/25552/2024

S.No	Particulars	Details
1 (a)	Name of the Mine	Hadmatiya Bauxite Mine S.No. 121
1(b)	Name of Inspecting Officer & Designation	Sunil Kumar Sharma, Senior Assistant Controller of Mines
1(c)	Accompanying Mines Representatives	Shri Vishalkumar, Mining Engineer
1(d)	Type of Inspection	MCDR inspection/ Star Rating Inspection
1(e)	Date of Inspection	17.12.2023
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	12.95 ha. Forest Area: 0.0 ha. Non Forest Area: 12.95 ha.
3	Mine Code	07GUJ07009
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	Hadmatiya
7	Taluka/Mandal	Kalyanpur
8	District	Devbhumi Dwarka
9	Pincode	361315
10	State	Gujarat
11	Post office	Mewasa
12	Nearest police station	Bhatia
13	Nearest Railway station	Bhatia
14	Date of Grant of Mining Lease	27.10.1977
15	Date of Execution	30.11.1997
16	Date of opening of Mine	03.01.1978
17	Date of first Renewal, if applicable and its period & expiry	12.02.1997 for 20 Years up to 29.11.2017
18	Date of second Renewal, if applicable and its period & expiry	30.11.2017 to 31.03.2030 Lease Expire date: 31.03.2030
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	As per Section 8(A)(5) of MMDR Act, 1957, lease is extended upto 31.03.2030 Date of request letter for Deemed extension:11.05.2022
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,Dist- Devbhumi Dwarka, Ph No- 02891-233199 , Email – scabalindia@gmail.com
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- Devbhumi Dwarka,Ph No- 02891-233199 Email – scabalbhatiya@gmail.com
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Sri Vishalkumar Kamaliya, BE Mining, Harshad Road / P.O-Bhatia,Ta-Kalyanpur, Dist-Devbhumi Dwarka,Ph No- 02891-233199 Email – scabalbhatiya@gmail.com
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Sri Vishalkumar Kamaliya, BE Mining, Harshad Road / P.O-Bhatia,Ta-Kalyanpur, Dist-Devbhumi Dwarka,Ph No- 02891-233199 Email – scabalbhatiya@gmail.com
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55& carrying out their duties as per rule 56 & 57.	Sri Biren Chauhan Harshad Road / P.O-Bhatia,Ta-Kalyanpur, Dist-Devbhumi Dwarka,Ph No- 02891-233199 Email – scabalbhatiya@gmail.com
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining plan approved vide no 682(23)775/97MCCM(N)UDP, Dated 02/02/1998
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	The Scheme of Mining was approved vide letter no 682(23)MS-423/2008MCCM(N)UDP, Dated 31/07/2013 for a period of 2012-13 to 2016-17. The Present Review of mining plan was approved vide letter no 684(4)(1)/MP421/2022-23-GNR, Dated 06/06/2022 for a period of 2022-23 to 2026-27.
27	Mineral(s) granted in lease and proved for mining	Bauxite
28	Method of Mining(Open cast, Underground)	Open cast

29	Category (Fully Mined/Non Mined)	MCDR-MFL-OBX/84/2022-GNR-IBM_RO_GNR
30	Captive/Non Captive	Captive

1/25552/2024

**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 backlog of previous year	NA	-
1b	Exploration over lease area for Geological axis 1 or 2.	G1 axis to explore mineralization at depth	Nil	-
1c	Exploration Agency & Expenditure in lakh Rupees during the year.	11 pits and 4 boreholes was proposed in 2022-23	Nil	Violation observed
1d	Balance area to be explored to bring Geological axis in 1 or 2	11pits and 4 boreholes was proposed to explore mineralization at depth	Nil	Violation observed
1e	Balance reserves as on 01.04.2023. (In tonnes)	111 897305 T 211 372572 T	111 944605 T 211 372572 T	
1f	General remarks of inspecting officer on geology, exploration etc.	Exploration for the year 2022-23 was proposed but no exploration was carried out. Violation is issued under Rule 11(1) of MCDR,2017		

2.0 Development

SN	Item	Proposals (2022-23)	Actual (2022-23)	Remarks
2a	Location of development w.r.t. lease area	Pit No. 4 &5 37-35 mRL & 35-32 mRL 2435898 N to 2435765 N 531715 E to 531586 E	Pit No. 4 &5 37-35mRL& 35-32 mRL 2435898 N to 2435765 N 531715 E to 531586 E	No deviation from mining plan
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	1 separate bench in top soil/OB.	As proposed	-
2c	Stripping ratio or ore to OB ratio	1:0.035	1:0.037	-
2d	Quantity of topsoil generation in m ³	2696 m ³	1048 m ³	-
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.	Two pits have been developed for mineral production (Pit No. 4 & 5).		

3.0 Exploitation

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
3a	Number of pits proposed for production	2 pits	2 pits	-
3b	Quantity of ROM mineral production proposed	75,000 MT	27,700 MT	-
3c	Recovery of saleable/usable mineral from ROM production	71,250 MT	27,700 MT	-
3d	Quantity of mineral reject generation	3750 MT	1440 MT	-
3e	Grade of mineral reject generation and threshold value declared	Fines	Fines	-
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 and Mechanized both method adopted	Manual and Mechanized both method adopted	-
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	2 shovels of 1.3m ³ and	As proposed	-

	mineral benches	MCDR-MIFLOBXT/84/2022-GNR-IBM_RO_GNR		
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	-
3m	Total area covered under excavation/pits	4.34 ha.	4.02 ha.	-
3n	Ore to OB ratio for the pit/mine during the year	1:0.035	1:0.037	-
3o	Total area put in use under different heads at the end of year	Area under mining operation: 4.34 ha. Area under dumps: 1.78 ha Under utility services 0.62 ha	Area under mining operation: 4.02 ha. Area under dumps: 1.78 ha Under utility services 0.62 ha	-
3p	Production of ROM mineral during last five-year period, as applicable	Yr 2018- 19 116214 Yr 2019- 20 116210 Yr 2020- 21 116214 Yr 2021-22 116214 Yr 2022-23 75000	Yr 2018 – 19 73750 Yr 2019- 20 29036 Yr 2020- 21 NIL Yr 2021-22 28400 Yr 2022-23 27700	-
3q	General remarks of inspecting officer on method of mining etc.	Production of bauxite in the year 2022-23 is less as compared to the proposed production due less requirement of captive plant.		

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 36, 37)	Mineral reject: 0.0563 ha 1689 m ³ quantity	Mineral reject: 0.03 ha. 654 m ³ quantity	-
4b	Location of topsoil, OB & mineral reject dumps	No proposal	Nil	-
4c	Number of dumps within lease area and outside lease area	01 dump	01 dump	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nmax:2435891 Nmin:2435881 Emax:531668 Emin:531601	As proposed	-
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	Sub grade material is generated as fines during operation which is about 5% to 6% of ROM production.		

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	The pit will be converted as water reservoir.
5b	Area under backfilling of mined out area	Nil	Nil	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	Nil	Nil	-
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	-
5e	General remarks of inspecting officer on backfilling, reclamation etc	No reclamation and rehabilitation is required after fully exhaustion of bauxite upto economic depth of the pit, pit will be converted as water reservoir.		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
6a	Whether Annual report on PMCP submitted on	Yes	Submitted	-

	time and corrected	MCDR (M)	LOBXT/84/2022-GNR-IBM_RO	GNR	
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	- 0.25 ha. 250 - 283 m fencing Rs 25,000	- 0.25 ha. About 100 No.s - - -		Plantations and fencing are not carried out as per proposal.
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 -	- 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 No proposal	NA NA NA		-
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Ambient Quality Air Quality Water Quality Noise Quality	Maintain Core Zone And Buffer Zone		-
6f	General remarks of inspecting officer on PMCP compliance & progressive	Violation was observed. The proposed sapling and fencing had not been done.			

7.0 Mineral Conservation

SN	Item	Proposals (2022-23)	Actual (2022-23)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No grade wise sorting. Sorting is proposed on physical size of ROM i.e. fines.	Sorting is carried out on the basis of size of ROM.	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sorted out at mines	ARefractory Grade and Cement Grade	Refractory Grade and Cement Grade	
7d	Any beneficiation process at mines	No proposal	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Bauxite is hand sorted within the lease area, such as abrasive grade, refractory grade, and cement grade. The hand sorted ore is transported from the mines to plant.		

8.0 Environment

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	Topsoil generation is utilised for plantation to spread on green belt.	As proposed	-
8b	Concurrent use or storage of topsoil	7.5m non mining zone (buffer zone)	7.5m non mining zone (buffer zone)	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	No proposal	NA	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	NA	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	-
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	250 plants	About 100 plants	-
8g	Survival rate	80%	80%	-
8h	Water sprinkling on roads to control airborne dust	it is proposed to sprinkling water on haul road.	As proposed.	-

8i	General remarks of MCDR, MIF, OBT, 84/2022-GNR, BM, RO, GNR. Violation for plantation is aesthetic beauty in and around mines are issued under Rule 11(1) of MCDR, 2017.
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I/25552/2024

9.0 Compliance of Rule 45

S. N	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	M.R. Submitted up to – November - 23 A.R. submitted up to- 2022-23	-

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	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	Details are given.		-
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Yes		-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing stock: 1770 tonnes		-
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Captive lease. FOB value is provided in Annual Return 2022-23. Cost of production 1070 Rs per tonne.		-
9i	Scrutiny of Annual return on fixed assets	Fixed asset: Rs 2,00,000 /-		-
9k	Scrutiny of Annual return on mining machineries	Details provided in Annual Return		-

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

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

नियम सं.	उल्लंघनों के प्रकारों का विस्तृत ब्यौरा	
11(1)	(i)	As per point number 2.2.5.3 and 2.2.5.5 of the approved mining plan, 11 pits and 4 boreholes were proposed for exploration in the year 2022-23, but at the time of inspection it was found that the prescribed exploration (Exploration) was not done.
	(ii)	According to point number 6.2.3.2 of the approved mining plan, it was proposed to plant 250 saplings for environmental improvement in the year 2022-23, but at the time of inspection it was found that the prescribed sapling plantation had not been done.
	(iii)	According to point number 6.2.2.2 of the approved mining plan, 283 m of fencing was proposed to be installed, but at the time of inspection it was found that the prescribed fencing had not been installed.

(Sunil Kumar Sharma)
Senior Assistant Controller of Mines