

MCDR REPORT

1.0 GENERAL

SN	Particulars	Details
1 (a)	Name of the Mine	VARADA BAUXITE MINES/SURVEY NO140/P
1(b)	Name of Inspecting Officer & Designation	MOHAMMAD NIMAR/DEPUTY CONTROLLER OF MINES
1(c)	Accompanying Mines Representatives	MAULIK N PATEL
1d)	Type of Inspection	STAR RATING
1e)	Date of Inspection	10/12/2024
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	1.2242 Ha
3	Minecode	07GUJ07124
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/10188/2012
5	Name of the lessee, Address, phone, email and fax number	M/S;GUJARAT CALCINE BAUXITE&REFRACTORIES
6	Village	MEVASA
7	Taluka/Mandal	KALYANPUR
8	District	DEV BHOOMI DWARKA
9	Pincode	361315
10	State	GUJARAT
11	Post office	BHATIA
12	Nearest police station	BHATIA
13	Nearest Railway station	BHATIA
14	Date of Grant of Mining Lease	16/08/1996
15	Date of Execution	26/11/1996
16	Date of opening of Mine	1/1/1997
17	Date of first Renewal, if applicable and its period & expiry	25/11/2016 TO25/11/2036 20YEARS
18	Date of second Renewal, if applicable and its period & expiry	---
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Lease valid up to 25/11/2046
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	JAYESH G KOTECHA AT-PO/JAM RAVAL TA;KALYANPUR DI;DEV BHOOMI DWARKA /DATE OF APPOINTMENT;1/04/2010
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	JAYESH G KOTECHA AT-PO/JAM RAVAL TA;KALYANPUR DI;DEV BHOOMI DWARKA /DATE OF APPOINTMENT;1/04/2010
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment	MAULIK N PATEL BE MINING

	in mines	
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	MAULIK N PATEL BE MINING with Experience of 7 years
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	YES, Alipriya Bhakta
25	Date of Approval of Mining Plan/ Modified Mining Plan with five-year period and specific condition in approval letter, if any.	22/03/2021
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	684(4)(1)MP-329/2020-21 Dated 22/03/2021
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)	MECHANISED
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	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	1.2242 Ha(Total Lease is explored in G1 Level)	
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 01.04.2024	38,829 Ton	65038 Ton	
1f	General remarks of inspecting officer on geology, exploration etc.	Total lease area is explored in G1 level. However there is proposal of digging 1 pit of 4m x 4m upto lithomargic clay, which was not done. Violation under Rule 11(1) is being issued.		

2.0 Development

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
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2a	Location of development w.r.t. lease area	Pit 1, South	Nil	--
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Not proposed in topsoil, overburden Mineral - 3.0 m	Nil	-
2c	Stripping ratio or ore to OB ratio	Nil	Nil	--
2d	Quantity of topsoil generation in m3	Not proposed	Not applicable	-
2e	Quantity of overburden generation in m3	Not proposed	Not applicable	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	During inspection found that no Development work carried out in the mine due to Environmental Clearance issue		

3.0 Exploitation

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
3a	Number of pits proposed for production	Pit 1, South	Nil, pit dimension 150 x 50 x 2.5 m	-
3b	Quantity of ROM mineral production proposed	10120 MT	Nil	-
3c	Recovery of salable/usable mineral from ROM production	10120 MT	Nil	
3d	Quantity of mineral reject generation	Not proposed	Not applicable	--
3e	Grade of mineral reject generation and threshold value declared	Not proposed	Not applicable	--
3f	Quantity of sub-grade mineral generation	Not proposed	Not applicable	--
3g	Grade of sub-grade mineral generation	Not proposed	Not applicable	--
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Nil	-
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	Not applicable	--
3j	Provision of drilling & blasting in mineral benches	Not proposed	Not applicable	--
3k	Provision of mining machineries in mineral benches	Excavator, Dumper	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of	Not proposed in topsoil, overburden Mineral - 2.5 m	Mineral - 2.5 m	

	mining proposed in MP/SOM			
3m	Total area covered under excavation/pits	0.829 Ha	0.712 Ha	
3n	Ore to OB ratio for the pit/mine during the year	Not proposed	Not applicable	
3o	Total area put in use under different heads at the end of year	0.9470 Ha	0.912 Ha	
3p	Production of ROM mineral during last five-year period, as applicable	24483	Nil	
3q	General remarks of inspecting officer on method of mining etc.	No production has been made due to Environmental Clearance issue. Dispatch of 667.510 T has been made during the year.		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2022-23)	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Not proposed	Not Applicable	-
4b	Location of topsoil, OB & mineral reject dumps	Not proposed	Not Applicable	-
4c	Number of dumps within lease area and outside lease area	Not proposed	Not Applicable	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed	Not Applicable	-
4e	Number of active & alive dumps	Not proposed	Not Applicable	-
4f	Number of dead dumps	Not proposed	Not Applicable	-
4g	Number of dumps stabilised	Not proposed	Not Applicable	
4h	Whether Retaining wall or garland drain all along dumps are there	Not proposed	Not Applicable	
4i	Length of Retaining wall or garland drain all along dump	Not proposed	Not Applicable	
4j	Number of settling ponds	Not proposed	Not Applicable	
4k	Specific comments of inspecting officer	No work done towards Dumping of solid waste as no proposal was there.		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2023-24)	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before	Not proposed	Not Applicable	--

	starting backfilling			
5b	Area under backfilling of mined out area	Not proposed	Not Applicable	--
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed	Not Applicable	--
5d	Total area fully reclaimed & rehabilitated	Not proposed	Not Applicable	-
5e	General remarks of inspecting officer on backfilling, reclamation etc	No work done towards Backfilling of solid waste as no proposal was there..		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2).	Yes	Submitted along with AR 2023-24 on 26-06-2024	--
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ,Water Reservoir 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	(1) 1840M ² (2) 0.0050HA (3) 10 (4) 40 (5) NO (6) 1000RS	(1) Nil (2) Nil (3) 10 (4) 40 (5) NO (6) 1000RS	
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 making water reservoir v) Any other specific means	1840M ²	Nil	--

6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Not proposed	Not Applicable	--
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	Yes, Through outside agency	
6f	General remarks of inspecting officer on PMCP compliance & progressive	PMCP work done as proposed.		

7.0 Mineral Conservation

SN	Item	Proposals (2023-24)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	10120 MT	Nil	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sorted out at mines	Not proposed	Not Applicable	
7d	Any beneficiation process at mines	Not proposed	Not Applicable	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No production has been made due to Environmental Clearance issue. Dispatch of 667.510 T has been made during the year. No mineral conservation issue found.		

8.0 Environment

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed	Not Applicable	--
8b	Concurrent use or storage of topsoil	Not proposed	Not Applicable	--
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not proposed	Not Applicable	-
8d	Use of overburden, waste	Not proposed	Not Applicable	-

	rock, rejects and fines dumps for restoring the land to its original use			
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	Not Applicable	-
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	10 saplings on 50m2 during the year	10 saplings on 50m2 during the year. Total 40	
8g	Survival rate	60%	60%	
8h	Water sprinkling on roads to control airborne dust	Through water tanker	No work done	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	No production has been made due to Environmental Clearance issue. Dispatch of 667.510 T has been made during the year. No Environmental issue found.		

9.0 Compliance of Rule 45

S. N.	Item	COMMENTS		Remarks
	Status of submission of Online Monthly and Annual returns	Monthly and Annual Returns submitted within stipulate time.		
S. N.	Item			Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	ME- Maulik N Patel Geo - Alipriya Bhakta	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O-C) Workings 0.712, Occupied by plant, buildings, residential, welfare buildings and roads 0.200, Work done under progressive mine closure plan during the year 0.200		
9d	Scrutiny of Annual return on afforestation	10	10	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM- 36185.235 Cement 34623.440 Abrasive 562.123 Refractory - 332.162	ROM- 36185.235 Cement 34623.440 Abrasive 562.123 Refractory - 332.162	

9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex Mine Price Refractory - 891.67/-	Ex Mine Price Refractory - 891.67/-	
9i	Scrutiny of Annual return on fixed assets	Nil	Nil	
9k	Scrutiny of Annual return on mining machineries	Nil	Nil	

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

- a) वर्ष 2023-24 में खान 2022-23 के तारक मूल्यांकन हेतु निलंबित की गई थी ।
- b) वार्षिक विवरणी के साथ surface geological plans and sections जमा नहीं किए गए हैं।
- c) इस वर्ष वार्षिक विवरणी 2023-24 में निम्नलिखित त्रुटियाँ पाई गयी
1. लीज क्षेत्र 1.2241 ha है परंतु वार्षिक विवरणी में 1 ha ही दर्शाया गया है ।
 2. surface geological plans and sections जमा नहीं किए गए हैं।
- नियम 33 एवं 45(5)(सी) हेतु कारण बताओ नोटिस जारी किया जा रहा है ।
- d) खान दिनांक 31-12- से अस्थायी रूप से बंद है जिसकी नोटिस निर्धारित प्रारूप में जमा की गई है
- e) ड्रोन डाटा की जांच करने पर यह पाया गया की SOP के अनुसार नहीं है अतः DDMS पोर्टल पर रिटर्न कर दिया गया है ।
- f) खान की मैपिंग रजिस्ट्रेशन नंबर में नहीं हो पाने के कारण खान का तारक मूल्यांकन ऑनलाइन मोड में जमा नहीं किया जा सका है इसीलिए ऑफलाइन में कार्यालय में जमा करा दिया गया है । उक्त संबंध में कार्यालय में मेल भी किया गया है ।