

## MCDR INSPECTION REPORT

1.0 **GENERAL**

S.No	Particulars	Details
1	Name of the Mine	मेवासा बॉक्साइट खान (154)
1(a)	Name of Inspecting Officer & Designation	मनीष गुसा, सहायक खान नियंत्रक
1(c)	Accompanying Mines Representatives	श्री विशाल कमलिया, खनन अभियंता
1(d)	Type of Inspection	स्टार रेटिंग
1(e)	Date of Inspection	24.03.2023
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non Forest – 1.35 हे.
3	Mine Code	07GUJ07120
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/248/2011
5	Name of the lessee, Address, phone, email and fax number	सौराष्ट्र केल्साईन बॉक्साइट एण्ड एलाइड इंडस्ट्रीज़ हर्षद रोड, भाटिया, तालुका- कल्याणपुर, जिला- देवभूमि द्वारका (गुजरात) 361 315 Phone : 02891 – 233199 Fax number : 02891 – 233955
6	Village	मेवासा
7	Taluka/Mandal	कल्याणपुर
8	District	देवभूमि द्वारका
9	Pincode	361 315
10	State	गुजरात
11	Post office	मेवासा
12	Nearest police station	भाटिया
13	Nearest Railway station	भाटिया
14	Date of Grant of Mining Lease	14.11.1985
15	Date of Execution	12.05.1986
16	Date of opening of Mine	16.11.1998
17	Date of first Renewal, if applicable and its period & expiry	13.05.2005
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	11.05.2036 तक वैध
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	श्री द्वारकादास रायचूरा हर्षद रोड, भाटिया, तालुका- कल्याणपुर, जिला- देवभूमि द्वारका (गुजरात) 361 315 Phone : 02891 – 233199 Email - <a href="mailto:scabalindia@gmail.com">scabalindia@gmail.com</a> Fax number : 02891 – 233955
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	श्री गुलाब पाबरी हर्षद रोड, भाटिया, तालुका- कल्याणपुर, जिला- देवभूमि द्वारका (गुजरात) 361 315 Phone : 02891 – 233199 Email - <a href="mailto:scabalindia@gmail.com">scabalindia@gmail.com</a> Fax number : 02891 – 233955
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	--

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23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	श्री विशाल कमलिया हर्षद रोड, भाटिया, तालुका- कल्याणपुर, जिला- देवभूमि द्वारका (गुजरात) 361 315 Phone : 7046707052 Email - <a href="mailto:scababhatia@gmail.com">scababhatia@gmail.com</a> Fax number : 02891 - 233955, खनन अभियांत्रिकी (स्नातक)
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55& carrying out their duties as per rule 56 & 57.	हां।
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	684(4)(1)/MP-315/2020-21MDRD(N)GNR दिनांक 17.02.2021
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	--
27	Mineral(s) granted in lease and proved for mining	बॉक्साइट
28	Method of Mining(Opencast, Underground)	Opencast
29	Category (Fully Mechanised, Others or Manual)	A
30	Captive/Non Captive	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	One Pit	Yes	
1b	Exploration over lease area for Geological axis 1 or 2.	Entire lease area	As per proposal.	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not proposed	N.A	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not proposed	N.A	
1e	Balance reserves as on 01.04.2022.	51181 टन	51181 टन	
1f	General remarks of inspecting officer on geology, exploration etc.	--		

#### 2.0 Development

SN	Item	Proposals (2021-22)	Actual (2021-22)	Remarks
2a	Location of development w.r.t. lease area	Pit 1	--	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	YES	YES	
2c	Stripping ratio or ore to OB ratio	1:0.18	--	
2d	Quantity of topsoil generation in m <sup>3</sup>	671 मी <sup>3</sup>	--	
2e	Quantity of overburden generation in m <sup>3</sup>	NIL	--	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	पिछले चार वर्षों से खनन कार्य अस्थाई रूप से बंद है। खान में नवम्बर, 2022 में 25.00 टन उत्पादन तथा फ़रवरी, 2023 में 23.30 टन का प्रेषण किया गया है।		

#### 3.0 Exploitation

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SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
3a	Number of pits proposed for production	One	NIL	
3b	Quantity of ROM mineral production proposed	8120 टन	NIL	
3c	Recovery of saleable/usable mineral from ROM production	95%	NIL	
3d	Quantity of mineral reject generation	406 टन	NIL	
3e	Grade of mineral reject generation and threshold value declared	--	--	
3f	Quantity of sub-grade mineral generation	--	--	
3g	Grade of sub-grade mineral generation	--	--	
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	N.A	N.A	
3j	Provision of drilling & blasting in mineral benches	NO	NIL	
3k	Provision of mining machineries in mineral benches	Yes	--	
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	0.66 हे.	0.66 हे.	
3n	Ore to OB ratio for the pit/mine during the year	1:0.18	--	
3o	Total area put in use under different heads at the end of year	Pit- 0.66 हे. Others- 0.15 हे.	Pit- 0.66 हे. Others- 0.15 हे.	
3p	Production of ROM mineral during last five-year period, as applicable	2017-18: 8750 टन 2018-19: 8550 टन 2019-20: 8000 टन 2020-21: 7750 टन 2021-22: 8120 टन	2017-18: 8090 टन 2018-19: -- 2019-20: -- 2020-21: -- 2021-22: --	नवम्बर, 2022 में 25.00 टन उत्पादन तथा फ़रवरी, 2023 में 23.30 टन का प्रेषण किया गया है।
3q	General remarks of inspecting officer on method of mining etc.	खनन कार्य चार वर्षों से अस्थाई रूप से बंद है।		

#### 4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	YES	--	
4b	Location of topsoil, OB & mineral reject dumps	NIL	--	
4c	Number of dumps within lease area and outside lease area	NIL	--	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NIL	--	
4e	Number of active & alive dumps	NIL	--	
4f	Number of dead dumps	NIL	--	
4g	Number of dumps stabilised	NIL	--	
4h	Whether Retaining wall or garland drain	NIL	--	

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	all along dumps are there			
4i	Length of Retaining wall or garland drain all along dump	NIL	--	
4j	Number of settling ponds	NIL	--	
4k	Specific comments of inspecting officer	खनन कार्य चार वर्षों से अस्थाई रूप से बंद है।		

**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	Partial	--	
5b	Area under backfilling of mined out area	NIL	N.A	Not matured for backfilling.
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	NIL	N.A	
5d	Total area fully reclaimed & rehabilitated	NIL	N.A	
5e	General remarks of inspecting officer on backfilling, reclamation etc	खनन कार्य चार वर्षों से अस्थाई रूप से बंद है।		

**6.0 Progressive Mine Closure Plan**

S N	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2)	As per rule	Submitted	
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	0.0180 हे. 10 20 -- NIL ₹ 1,000	0.010 हे. 10 20 -- -- ₹ 1,000	
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	On Statutory barrier	As per proposal.	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	NIL	NA	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	--	Within limit.
6f	General remarks of inspecting officer on PMCP compliance & progressive	खनन कार्य चार वर्षों से अस्थाई रूप से बंद है।		

**7.0 Mineral Conservation**

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SN	Item	Proposals (2021-22)	Actual (2021-22)	Remarks
7a	ROM Mineral dispatch or 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	--	
7c	Different grade of mineral sorted out at mines	NIL	N.A	
7d	Any beneficiation process at mines	NIL	N.A	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	ROM at mine is a mixture of ore and waste such as lateritic clay and laterite. Bauxite is hand sorted within quarry in different grade as- Abrasive grade, Refractory grade, and Cement grade.		

**8.0 Environment**

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	Yes	--	खनन कार्य चार वर्षों से अस्थायी रूप से बंद है।
8b	Concurrent use or storage of topsoil	NIL	--	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	NIL	N.A	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	N.A	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	N.A	
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	10	10	
8g	Survival rate	50%	50%	
8h	Water sprinkling on roads to control airborne dust	Proposed.	Achieved.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	General mine environment is good.		

**9.0 Compliance of Rule 45**

S. N	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	M.R. Submitted up to- February,2023 A.R. submitted for the year 2021-22 on 20.06.2022	

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	--	खनन कार्य चार वर्षों से अस्थायी रूप से बंद है।
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	YES	--	

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	stock and/or graded ore			
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:-**  
 पिछले निरीक्षण दिनांक 08.01.2021 में कोई उल्लंघन नहीं पाया गया था। वर्तमान निरीक्षण स्टार रेटिंग मूल्यांकन के लिए किया गया। मूल्यांकन के पश्चात खान के Points 80.17% से 70.46% रहे हैं, कोई उल्लंघन नहीं पाया गया।

दिनांक :

( मनीष गुप्ता )  
 सहायक खान नियंत्रक