

## MCDR INSPECTION REPORT

1.0 **GENERAL**

S.N o	Particulars	Details
1 (a)	Name of the Mine	मेवासा बॉक्साइट खान (214)
1(b)	Name of Inspecting Officer & Designation	मनीष गुप्ता, 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	18.12.2024
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	3.5814 हे. (Non Forest)
3	Mine Code	07GUJ07032
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 इंडस्ट्रीज हर्षद रोड, भाटिया, तालुका- कल्याणपुर, जिला- देवभूमि द्वारका (गुजरात) 361 315 Phone : 02891233155, Fax number : 02891233955, <a href="mailto:scabalindia@gmail.com">scabalindia@gmail.com</a>
6	Village	मेवासा
7	Taluka/Mandal	कल्याणपुर
8	District	देवभूमि द्वारका
9	Pin code	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	14.10.1981
15	Date of Execution	03.08.1983
16	Date of opening of Mine	16.12.1986
17	Date of first Renewal, if applicable and its period & expiry	--
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	राज्य सरकार के पत्र संख्या MCR-1580-S-115/6889-CHH-1 दिनांक 04.10.2018 के अनुसार दि. 02.08.1933 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 : 02891233155, Fax number : 02891233955, <a href="mailto:scabalindia@gmail.com">scabalindia@gmail.com</a>
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 : 02891233155, Fax number : 02891233955, <a href="mailto:scabalindia@gmail.com">scabalindia@gmail.com</a>
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	दृष्टि मेहता द्वारा सौराष्ट्र केल्साईन बॉक्साइट एण्ड एलाइड इंडस्ट्रीज हर्षद रोड, भाटिया, तालुका- कल्याणपुर, जिला- देवभूमि द्वारका (गुजरात) 361 315 Phone : 02891233155, Fax number : 02891233955, <a href="mailto:scabalindia@gmail.com">scabalindia@gmail.com</a>
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.	MCDR-MPCP0CaFI/17/2022-GNR-IBM_RO_GNR, दिनांक 06.01.2023 2023-24 से 27-28
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(Open cast, Underground)	Open cast
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 (2023-24)	Actual work (2023-24)	Remarks
1a	Backlog of previous year	03 Borehole	03 Borehole	दिनांक 26.03.2024 को निर्धारित प्रपत्र में सूचना दी गयी है।
1b	Exploration over lease area for Geological axis 1 or 2.	NIL	G1: 3.5814 हे. G2: NIL G3: NIL	
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	136592.49 टन	160627.35 टन	उत्पादन कम हुआ है।
1f	General remarks of inspecting officer on geology, exploration etc.	वर्ष 2023-24 के लिए प्रस्तावित Borehole लगाए गए हैं। पूर्व में Trial pit भी लगाई गयी है। पूर्वक्षण कार्य की स्थिति संतोषजनक है।		

#### 2.0 Development

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
2a	Location of development w.r.t. lease area	Pit- 1, 2	Pit- 1	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	NIL	NIL	
2c	Stripping ratio or ore to OB ratio	NIL	NIL	
2d	Quantity of topsoil generation in m3	NIL	NIL	
2e	Quantity of overburden generation in m3	NIL	NIL	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	मांग कम होने के कारण केवल एक Pit में ही कार्य किया गया है। Top soil, OB के प्रस्ताव नहीं हैं। खनन कार्य दिनांक 01.08.2024 से अस्थाई रूप से बंद किए गए हैं, जिसकी सूचना निर्धारित प्रपत्र में दी गयी है।		

#### 3.0 Exploitation

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
3a	Number of pits proposed for production	02	01	निरीक्षण के समय N 22° 14' 30.85" E 69° 20' 17.37" के समीप खनन कार्य पाया गया।
3b	Quantity of ROM mineral production proposed	31084.86 टन	7050 टन	
3c	Recovery of saleable/usable mineral from ROM production	29530.62 टन	7050 टन	
3d	Quantity of mineral reject generation	1554.24 टन	NIL	

3e	Grade of mineral reject generation and threshold value declared	Al <sub>2</sub> O <sub>3</sub> <40%	NIL	
3f	Quantity of sub-grade mineral generation	NIL	NIL	
3g	Grade of sub-grade mineral generation	NIL	NIL	
3h	Manual / Mechanised method adopted for segregating from ROM	NIL	NIL	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NIL	NIL	
3j	Provision of drilling & blasting in mineral benches	NIL	NIL	
3k	Provision of mining machineries in mineral benches	Yes Excavator, tipper	Yes Excavator, tipper	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3.0 मी.	3.0 मी.	
3m	Total area covered under excavation/pits	2.86 हे.	2.79 हे.	
3n	Ore to OB ratio for the pit/mine during the year	NIL	NIL	
3o	Total area put in use under different heads at the end of year	Pit- 2.86 हे. Others- 0.01 हे.	Pit- 2.79 हे. Others- 0.2 हे.	
3p	Production of ROM mineral during last five-year period, as applicable	2019-20: 28614 टन 2020-21: 28603 टन 2021-22: 28612 टन 2022-23: 28612 टन 2023-24: 31084.86 टन	2019-20: शून्य 2020-21: 1950 टन 2021-22: 11200 टन 2022-23: 6210 टन 2023-24: 7050 टन	
3q	General remarks of inspecting officer on method of mining etc.	Excavator, dumper का उपयोग कर कार्य किया गया है। उत्पादन प्रस्तावित सीमा के अंदर है।		

#### 4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	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	अनुमोदित खनन योजना में Top soil, OB के प्रस्ताव नहीं है।		

#### 5.0 Solid Waste Management-Backfilling

SN	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	NIL	NIL	
5b	Area under backfilling of mined out	NIL	NIL	

	area			
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	Backfilling के प्रस्ताव नहीं हैं।		

### 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)	As per rule	Submitted 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	NIL	NIL	
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	100 .10 हे.	100 .10 हे.	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	Yes	
6f	General remarks of inspecting officer on PMCP compliance & progressive	PMCP प्रस्ताव के अनुसार कार्य किया गया है।		

### 7.0 Mineral Conservation

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade-wise	Grade-wise	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual/Mechanical	Manual/Mechanical	
7c	Different grade of mineral sorted out at mines	Refractory: Al <sub>2</sub> O <sub>3</sub> >55% Cement: Al <sub>2</sub> O <sub>3</sub> Min. 20% Abrasive: Al <sub>2</sub> O <sub>3</sub> >45%	Refractory: Al <sub>2</sub> O <sub>3</sub> >55% Cement: Al <sub>2</sub> O <sub>3</sub> Min. 20%	
7d	Any beneficiation process at mines	NIL	NIL	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	खान पर किसी प्रकार का Beneficiation issue नहीं है।		

### 8.0 Environment

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	NIL	NIL	
8b	Concurrent use or storage of topsoil	NIL	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	NIL	NIL	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NIL	
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)	100	100	
8g	Survival rate	80%	80%	
8h	Water sprinkling on roads to control airborne dust	NIL	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	खान एवं निकटवर्ती क्षेत्र में Aesthetic beauty ठीक है।		

### 9.0 Compliance of Rule 45

S. N	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	नवम्बर माह की मासिक विवरणी 05.12.2024 को जमा की गयी। वर्ष 2023-24 की वार्षिक विवरणी 21.06.2024 को जमा की गयी।	

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	-- श्री बीरेन चौहान , भू वैज्ञानिक	दृष्टि मेहता, खनन अभियंता* श्री बीरेन चौहान , भू वैज्ञानिक	*दिनांक 07.10.2024 को निर्धारित प्रपत्र में सूचना दी गयी है।
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit- 2.79 हे. Others- 0.2 हे.	Pit- 2.79 हे. Others- 0.2 हे.	
9d	Scrutiny of Annual return on afforestation	100	100	
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	42059.86 टन	42059.86 टन	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Cost of production: 1364.96	Cost of production: 1364.96	
9i	Scrutiny of Annual return on fixed assets	NIL	NIL	
9k	Scrutiny of Annual return on mining machineries	Back hoe, Tipper	Back hoe, Tipper	

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

पिछले निरीक्षण दिनांक 13.10.2022 में कोई उल्लंघन नहीं पाया गया था। वर्तमान निरीक्षण स्टार रेटिंग मूल्यांकन के लिए किया गया। मूल्यांकन के पश्चात खान 3 स्टार रही है। खनन कार्य अस्थाई रूप से बंद किए गए हैं, निरीक्षण के समय खनन कार्य होता हुआ नहीं पाया गया। निरीक्षण के समय कोई Significant उल्लंघन नहीं पाया गया।

(मनीष गुप्ता)  
सहायक खान नियंत्रक

भारतीय खान ब्यूरो  
गांधीनगर