

MCDR INSPECTION REPORT

1.0 **GENERAL**

S.No	Particulars	Details
1	Name of the Mine	नंदाना बॉक्साइट खान (199)
1(a)	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	24.03.2023
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non Forest – 2.44 हे.
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	सौराष्ट्र केल्साईन बॉक्साइट एण्ड एलाइड इंडस्ट्रीज हर्षद रोड, भाटिया, तालुका- कल्याणपुर, जिला- देवभूमि द्वारका (गुजरात) 361 315 Phone : 02891 – 233199 Fax number : 02891 – 233955
6	Village	नंदाना
7	Taluka/Mandal	कल्याणपुर
8	District	देवभूमि द्वारका
9	Pincode	361 315
10	State	गुजरात
11	Post office	भाटिया
12	Nearest police station	भाटिया
13	Nearest Railway station	भाटिया
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	26.04.2001
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	26.04.2031 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 - scabalindia@gmail.com Fax number : 02891 – 233955
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	श्री गुलाब पावरी हर्षद रोड, भाटिया, तालुका- कल्याणपुर, जिला- देवभूमि द्वारका (गुजरात) 361 315 Phone : 02891 – 233199 Email - scabalindia@gmail.com 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 - scabalindia@gmail.com 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.	दिनांक 02.12.2016 2017-18 से 21-22
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	--
27	Mineral(s) granted in lease and proved for mining	बॉक्साइट
28	Method of Mining(Open cast, 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. –**Exploration**

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
1a	Backlog of previous year	NIL.	N.A	
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.	106707 टन	106527 टन	
1f	General remarks of inspecting officer on geology, exploration etc.	मांग की कमी के कारण खान पर कम कार्य किया गया है।		

2.0 Development

SN	Item	Proposals (2021-22)	Actual (2021-22)	Remarks
2a	Location of development w.r.t. lease area	In the south part of lease area.	As per plan.	खनन कार्य अस्थायी रूप से बंद है।
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	NIL	N.A	
2c	Stripping ratio or ore to OB ratio	1:0	1:0	
2d	Quantity of topsoil generation in m ³	1820 मी ³	--	
2e	Quantity of overburden generation in m ³	819 मी ³ (waste)	--	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	मांग की कमी के कारण पिछले चार वर्षों में कम कार्य किया गया है।		

3.0 Exploitation

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
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3a	Number of pits proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	20475 टन	180 टन	
3c	Recovery of saleable/usable mineral from ROM production	18428 टन	180 टन	
3d	Quantity of mineral reject generation	2047 टन	N.A	
3e	Grade of mineral reject generation and threshold value declared	NIL	N.A	
3f	Quantity of sub-grade mineral generation	NIL	N.A	
3g	Grade of sub-grade mineral generation	NIL	N.A	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	N.A	
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	--	--	
3k	Provision of mining machineries in mineral benches	--	--	
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	--	- 0.98 हे.	
3n	Ore to OB ratio for the pit/mine during the year	--	--	
3o	Total area put in use under different heads at the end of year	--	Under pit - 0.98 हे. Roads - 0.008 हे. Others - 0.52 हे.	
3p	Production of ROM mineral during last five-year period, as applicable	2017-18: 17530 टन 2018-19: 18288 टन 2019-20: 15500 टन 2020-21: 18945 टन 2021-22: 20475 टन	2017-18: 13310 टन 2018-19: - 2019-20: - 2020-21: - 2021-22: 180 टन	वर्ष 2021-22 में 180.00 टन उत्पादन तथा 3644.40 टन प्रेषण किया गया है। वर्तमान में खनन कार्य अस्थायी रूप से बंद है।
3q	General remarks of inspecting officer on method of mining etc.	मांग की कमी के कारण उत्पादन कम किया गया 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	Yes	
4b	Location of topsoil, OB & mineral reject dumps	NIL	N.A	
4c	Number of dumps within lease area and outside lease area	NIL	N.A	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NIL	N.A	
4e	Number of active & alive dumps	NIL	N.A	
4f	Number of dead dumps	NIL	N.A	
4g	Number of dumps stabilised	NIL	N.A	
4h	Whether Retaining wall or garland drain all along dumps are there	NIL	N.A	
4i	Length of Retaining wall or garland drain all along dump	NIL	N.A	

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4j	Number of settling ponds	NIL	N.A	
4k	Specific comments of inspecting officer	मांग की कमी के कारण कम कार्य किया गया 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	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	Utilized for plantation.	
5d	Total area fully reclaimed & rehabilitated	NIL	N.A	
5e	General remarks of inspecting officer on backfilling, reclamation etc	मांग की कमी के कारण कम कार्य किया गया है।		

6.0 Progressive Mine Closure Plan

SN	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	NIL 0.01 हे. 20 120 -- ₹ 2,000/-	N.A 0.01 हे. 50 120 --- ₹ 2,000/-	
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	Plantation in periphery of lease area.	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)	Ambient air quality, water quality noise quality	Maintain core zone and buffer zone.	Within limit.
6f	General remarks of inspecting officer on PMCP compliance & progressive	--		

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7.0 Mineral Conservation

SN	Item	Proposals (2021-22)	Actual (2021-22)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting.	As per proposal.	Usually bauxite is hand sorted within quarry for different grade, such as refractory grade, cement grade.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	As per proposal.	
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	मांग की कमी के कारण वर्ष में मात्र 180.00 टन उत्पादन किया गया है।		

8.0 Environment

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	Yes	--	
8b	Concurrent use or storage of topsoil	Use in plantation.	As per proposal.	
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)	Mined out land will be use as water reservoir.	--	Not matured.
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	20	50	
8g	Survival rate	--	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	फरवरी, 2023 की मासिक विवरणी दिनांक 05.03.2023 को जमा की गई। वर्ष 2021-22 की वार्षिक विवरणी दिनांक 13.06.2022 को जमा की गई।	

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	In order.	मांग की कमी के कारण वर्ष में मात्र 180.00 टन उत्पादन किया गया है।
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	In order.	
9d	Scrutiny of Annual return on afforestation	Yes	In order.	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Yes	In order.	

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9f	Scrutiny of Annual return on ROM stock and/or graded ore	Yes	In order.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Yes	In order.	
9i	Scrutiny of Annual return on fixed assets	Yes	In order.	
9k	Scrutiny of Annual return on mining machineries	Yes	In order.	

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

पिछले निरीक्षण दिनांक 26.02.2022 में कोई उल्लंघन नहीं पाया गया था। वर्तमान निरीक्षण स्टार रेटिंग मूल्यांकन के लिए किया गया। दिनांक 28.03.2023 को मूल्यांकन कर दिया गया है, मूल्यांकन के पश्चात खान के Points 80.17% से 70.46% रहे हैं। निरीक्षण के समय कोई उल्लंघन नहीं पाया गया। खान की अंतिम अनुमोदित खनन योजना की अवधि समाप्त हो गई है। पट्टाधारक द्वारा दिनांक 21.03.2022 को आगामी वर्षों के लिए खनन योजना प्रस्तुत की गई थी। कार्यालय द्वारा इस पर कार्यवाही नहीं करते हुए वापस किया गया है। आयुक्त, भू विज्ञान एवं खनन के पत्र संख्या CGM/Lease/ML/2022-23/580, दिनांक 10.03.2023 के अनुसार खनन पट्टा निरस्त नहीं किया गया है। खान पर खनन कार्य अस्थायी रूप से बंद है। निरीक्षण के समय खनन कार्य होता हुआ नहीं पाया गया।

दिनांक :

(मनीष गुप्ता)

सहायक खान नियंत्रक