

MCDR INSPECTION REPORT

1.0 **GENERAL**

S.N o	Particulars	Details
1 (a)	Name of the Mine	नरेडी-नांद्रा बॉक्साइट खान
1(b)	Name of Inspecting Officer & Designation	मनीष गुप्ता, सहायक खान नियंत्रक
1(c)	Accompanying Mines Representatives	श्री एन.आर.सोलंकी, खान प्रबंधक
1(d)	Type of Inspection	स्टार रेटिंग
1(e)	Date of Inspection	11.12.2024
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	169.596 हे.
3	Mine Code	07GUJ10017
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/727/2011
5	Name of the lessee, Address, phone, email and fax number	GMDC Ltd
6	Village	नरेडी, मोटा नांद्रा
7	Taluka/Mandal	अब्दासा
8	District	कच्छ
9	Pincode	370 030
10	State	गुजरात
11	Post office	नरेडी
12	Nearest police station	नलिया
13	Nearest Railway station	भुज
14	Date of Grant of Mining Lease	12.01.2006
15	Date of Execution	28.03.2006
16	Date of opening of Mine	28.03.2006
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 आदेश संख्या MCR-1591-G-59-704/CHH दिनांक 10.01.2020 के द्वारा 27.03.2056 तक वैध
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	श्री रूपवंत सिंह GMDC Ltd, खनिज भवन, 132 फिट रिंग रोड, वस्त्रपुर, अहमदाबाद (गुजरात) फोन- 07927911454, फ़ैक्स- 07927911321 दिनांक 14.06.2021 से
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	श्री एस.डी.भंडारी GMDC Ltd, गढ़सीसा, तालुका- मांडवी- 370445, कच्छ (गुजरात) फोन- 02834-282289, 082026, फ़ैक्स- 02834-282310 gadhsisa@gmdcltd.com दिनांक 04.09.2024 से
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	श्री श्री एन.आर.सोलंकी, GMDC Ltd, गढ़सीसा, तालुका- मांडवी- 370445, कच्छ (गुजरात) 9835156767, दिनांक 09.05.2023 से
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	वही
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	हाँ
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-346/2021-22 GNR MDRD(N), दिनांक 23.08.2021 2021-22 से 25-26

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	Non-Captive

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. –

Exploration

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
1a	Backlog of previous year	NIL	NIL	
1b	Exploration over lease area for Geological axis 1 or 2.	-	G1- 13.8983 हे. Non Mineralized area- 155.6985 हे.	
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	17,82,896 टन	18,74,199 टन	उत्पादन कम हुआ है।
1f	General remarks of inspecting officer on geology, exploration etc.	वर्ष 2023-24 के लिए पूर्वक्षण प्रस्ताव नहीं हैं। पूर्व में 15 Borehole तथा 50 Exploratory pits लगा कर Exploration किया गया है। 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	Virgin area between pit- 1 and 4	Virgin area between pit- 1 and 4	उत्पादन लक्ष्य से कम होने के कारण सीमित स्थान पर कार्य किया गया है।
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.	वर्ष के दौरान कम कार्य किया गया है। खनन योजना में Top soil और OB के प्रस्ताव नहीं हैं। पट्टा क्षेत्र में चार Pit विकसित की गयी है।		

3.0 Exploitation

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
3a	Number of pits proposed for production	02	02	निरीक्षण के समय N 23° 11' 08" E 69° 12' 24" पर खनन कार्य पाया गया।
3b	Quantity of ROM mineral production proposed	35,000 टन	249.70 टन	मांग कम होने के कारण उत्पादन कम किया गया है।
3c	Recovery of saleable/usable mineral from ROM production	35,000 टन	249.70 टन	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral reject generation and threshold value declared	NIL	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	Manual	Manual	
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	Proposed	NIL	Rock Breaker का उपयोग कर कार्य किया जा रहा है।
3k	Provision of mining machineries in mineral benches	Yes Excavator, Dumper,	Yes Excavator, Dumper,	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	2.5 मी	2.5 मी	Bench खनिज में बनाई गयी है।
3m	Total area covered under excavation/pits	6.8468 हे.	4.39 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	O/C Workings: 6.8468 हे. Mineral storage: 4.0786 हे. Plants, others: 1.1 हे. Waste disposal: 0.6 हे.	O/C Workings: 4.394 हे. Mineral storage: 4.392 हे. Plants, others: 1.042 हे. Waste disposal: 0.6 हे.	
3p	Production of ROM mineral during last five-year period, as applicable	2019-20: 54810 टन 2020-21: 53904 टन 2021-22: 35000 टन 2022-23: 35000 टन 2023-24: 35000 टन	2019-20: 30726 टन 2020-21: 34947 टन 2021-22: 13188 टन 2022-23: 257.12 टन 2023-24: 249.70 टन	
3q	General remarks of inspecting officer on method of mining etc.	सिलिका अधिक होने के कारण वर्तमान में मांग की कमी है। इस कारण उत्पादन कम हुआ है। निरीक्षण के समय खनन कार्य होता हुआ नहीं पाया गया।		

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	01	01	Within lease area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NIL	NIL	Outside ultimate pit limit
4e	Number of active & alive dumps	NIL	NIL	
4f	Number of dead dumps	NIL	NIL	
4g	Number of dumps stabilised	01	01	
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	वर्ष के दौरान OB, top soil, mineral reject उत्पन्न नहीं हुआ है। Dump वस्तुतः Bauxite dust 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 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	Backfilling के प्रस्ताव नहीं हैं।		

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 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	200 0.2 हे.	250 0.2 हे.	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	Yes	
6f	General remarks of inspecting officer on PMCP compliance & progressive	वृक्षारोपण किया गया है। क्षेत्र में वर्षा कम होने से पानी की कमी रहती है। Drip irrigation तरीके से अच्छा काम 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 sorting.	Grade wise sorting.	मांग की कमी होने के कारण उत्पादन कम हुआ है।
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sorted out at mines	Abrasives grains: Al ₂ O ₃ > 52% Chemical: Al ₂ O ₃ 40-51.99% Emery/Cement: Al ₂ O ₃ 35-45% Metal: Al ₂ O ₃ 44 & below	Chemical	
7d	Any beneficiation process at mines	NIL	NIL	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Sizing, sorting तथा निम्न श्रेणी खनिज को Blend कर उपयोग किया जाता है। खान पर कोई Beneficiation issue नहीं है।		

8.0 Environment

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
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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)	200	250	
8g	Survival rate	No proposal	70%	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	वृक्षारोपण किया गया है। 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, 2024 की मासिक विवरणी दिनांक 06.12.2024 को जमा की गई। वर्ष 2023-24 की वार्षिक विवरणी दिनांक 21.06.2024 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	श्री एन.आर.सोलंकी, खनन अभियंता सुश्री ए.पी.वर्मा, भू वैज्ञानिक	श्री एन.आर.सोलंकी, खनन अभियंता सुश्री ए.पी.वर्मा, भू वैज्ञानिक	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	O/C Workings: 4.394 हे. Waste disposal: 0.6 हे. Mineral storage: 4.392 हे. Plants, others: 1.042 हे.	O/C Workings: 4.394 हे. Waste disposal: 0.6 हे. Mineral storage: 4.392 हे. Plants, others: 1.042 हे.	
9d	Scrutiny of Annual return on afforestation	250	250	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	0.0	0.0	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	30663.399 टन	30663.399 टन	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Production cost: 2150.71	Production cost: 2150.71	
9i	Scrutiny of Annual return on fixed assets	₹ 1313285.00	₹ 1313285.00	
9k	Scrutiny of Annual return on mining machineries	Back hoe- 01 Tipper- 02 Wheel loader- 01 Water tanker- 01	Back hoe- 01 Tipper- 02 Wheel loader- 01 Water tanker- 01	

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

पिछले निरीक्षण दिनांक 02.12.2023 में कोई उल्लंघन नहीं पाया गया था। वर्तमान निरीक्षण तारक मूल्यांकन के लिए किया गया। दिनांक 21.01.2025 को मूल्यांकन कर दिया गया है, मूल्यांकन के पश्चात खान 4 स्टार रही है। निरीक्षण के समय कोई Significant उल्लंघन नहीं पाया गया।

(मनीष गुप्ता)
सहायक खान नियंत्रक
भारतीय खान ब्यूरो
गांधीनगर