

MCDR INSPECTION REPORT

1.0 **GENERAL**

S.No	Particulars	Details
1 (a)	Name of the Mine	Mothala-Balachod बॉक्साइट खान
1(b)	Name of Inspecting Officer & Designation	मनीष गुप्ता, सहायक खान नियंत्रक
1(c)	Accompanying Mines Representatives	श्री वी.एच.सोलंकी, खान प्रबंधक
1(d)	Type of Inspection	स्टार रेटिंग
1(e)	Date of Inspection	17.09.2023
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	280.76 हे.
3	Mine Code	07GUJ10016
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	नानी-बालाछोड
7	Taluka/Mandal	अब्दासा
8	District	कच्छ
9	Pincode	370 650
10	State	गुजरात
11	Post office	मोथाला
12	Nearest police station	मोथाला
13	Nearest Railway station	भुज
14	Date of Grant of Mining Lease	12.01.2006
15	Date of Execution	07.03.2007
16	Date of opening of Mine	07.03.2007
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	06.03.2057 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, फैक्स- 07927911321 दिनांक 14.06.2021 से
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	श्री समा राम राठोड GMDC Ltd, गढसीसा, तालुका- मांडवी- 370445, कच्छ (गुजरात) फोन- 02834-282289, 082026, फैक्स- 02834-282310 gadhsisa@gmdcltd.com दिनांक 31.08.2023 से
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	श्री वी.एच.सोलंकी GMDC Ltd, गढसीसा, तालुका- मांडवी- 370445, कच्छ (गुजरात) vhsolanki@gmdcltd.com 98794 91263 दिनांक 24.07.2021 से
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	श्री वी.एच.सोलंकी GMDC Ltd, गढसीसा, तालुका- मांडवी- 370445, कच्छ (गुजरात) vhsolanki@gmdcltd.com 98794 91263

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		दिनांक 24.07.2021 से
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	श्री ए.टी.पंड्या, भू वैज्ञानिक दिनांक 15.11.2022 से
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-345(117)/2021-22 GNR, दिनांक 13.08.2021 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 (2022-23)	Actual work (2022-23)	Remarks
1a	Backlog of previous year	NIL.	N.A	
1b	Exploration over lease area for Geological axis 1 or 2.	-	G1 72.38	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NIL.	N.A	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL.	N.A	
1e	Balance reserves as on 01.04.2022.	-	2.036 million tonnes	
1f	General remarks of inspecting officer on geology, exploration etc.	पूर्व में 81 Borehole तथा 09 Exploratory pits लगाई गयी हैं। Exploration कार्य संतोषजनक है।		

2.0 Development

SN	Item	Proposals (2022-23)	Actual (2022-23)	Remarks
2a	Location of development w.r.t. lease area	Pit No-7 in Block - 1	Pit No-7 in Block - 1	पिछले तीन वर्षों में उत्पादन लक्ष्य से कम होने के कारण पिछले वर्ष में प्रस्तावित स्थान पर कार्य किया गया है।
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Yes	As per proposal.	
2c	Stripping ratio or ore to OB ratio	1:0	1:0	
2d	Quantity of topsoil generation in m ³	3320 मी ³	NIL	
2e	Quantity of overburden generation in m ³	NIL	N.A	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Deposit has developed properly. There are two blocks. Total 08 pits have been developed.		

3.0 Exploitation

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
3a	Number of pits proposed for production	One	One	

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3b	Quantity of ROM mineral production proposed	42000 टन	2080.268 टन	
3c	Recovery of saleable/usable mineral from ROM production	42000 टन	2080.268 टन	
3d	Quantity of mineral reject generation	NIL	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/Mechanised	Manual/Mechanised	
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	Proposed	NIL	
3k	Provision of mining machineries in mineral benches	Yes	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	15.11 हे.	13.718 हे.	
3n	Ore to OB ratio for the pit/mine during the year	1:0	1:0	
3o	Total area put in use under different heads at the end of year	27.71 हे.	26.14 हे.	
3p	Production of ROM mineral during last five-year period, as applicable	2018-19: 41987 टन 2019-20: 41956 टन 2020-21: 41268 टन 2021-22: 42000 टन 2022-23: 42000 टन	2018-19: 300088.442 टन 2019-20: 200085.046 टन 2020-21: 9600 टन 2021-22: 23097.388 टन 2022-23: 2080.268 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 (2022-23)	Actual work (2022-23)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	Yes	--	No generation.
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	
4j	Number of settling ponds	NIL	N.A	
4k	Specific comments of inspecting officer	No OB, mineral reject generated.		

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5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No proposal	NIL	
5b	Area under backfilling of mined out area	NIL	N.A	
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	Area is not matured for backfilling.
5e	General remarks of inspecting officer on backfilling, reclamation etc	Filling material is not available at mine area.		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2)	As per rule	Submitted on 26.06.2023	
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	NA	
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	NA	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	200 0.2 हे.	220 0.2 हे.	PMCP रिपोर्ट तथा वार्षिक विवरणी में पौधों की संख्या में अंतर होने के कारण नियम 26(2) का उल्लंघन दिया जा रहा है।
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।		

7.0 Mineral Conservation

SN	Item	Proposals (2022-23)	Actual (2022-23)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting.	As per proposal.	मांग की कमी होने के कारण उत्पादन कम हुआ है।
7b	Method of grade-wise mineral sorting i.e.	Manual	As per proposal.	

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	manual or mechanical			
7c	Different grade of mineral sorted out at mines	Abrasives grains: Al ₂ O ₃ > 52% Calcinations: Al ₂ O ₃ 56-60% Chemical: Al ₂ O ₃ 40-51.99% Refractory: Al ₂ O ₃ 50-54%	Refractory Chemical	
7d	Any beneficiation process at mines	NIL	N.A	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Only sorting, sizing is done.		

8.0 Environment

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	3320 मी ³	NIL	उत्पादन कम होने के कारण Top soil generation नहीं हुआ है।
8b	Concurrent use or storage of topsoil	Both	As per proposal.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	Two dumps	NIL	No OB/waste generated during year.
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	Not matured.
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	200	270	
8g	Survival rate	70%	70%	
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	Aesthetic beauty of office premises and lease area is good. Mango farm has been developed, which is a good job.		

9.0 Compliance of Rule 45

S. N	Item	COMMENTS		Remarks
	Status of submission of Monthly and Annual returns	मई, अगस्त की मासिक विवरणी दिनांक 04.09..2023 को जमा की गई। वर्ष 2022-23 की वार्षिक विवरणी दिनांक 23.06.2023 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 वी.एच.सोलंकी, खनन अभियंता श्री ए.टी.पंडया, भू वैज्ञानिक	श्री वी.एच.सोलंकी, खनन अभियंता श्री ए.टी.पंडया, भू वैज्ञानिक	*PMCP रिपोर्ट तथा वार्षिक विवरणी में पौधों की संख्या में अंतर होने के कारण नियम 26(2) का उल्लंघन दिया जा रहा है।
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	O/C Workings: 13.718 हे. Waste disposal: 0.44 हे. Plant, Building etc: 2.02 हे. Stack, Shorting yard: 9.96 हे.	O/C Workings: 13.718 हे. Waste disposal: 0.44 हे. Plant, Building etc: 2.02 हे. Stack, Shorting yard: 9.96 हे.	
9d	Scrutiny of Annual return on afforestation	270	*	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	0.0	In order.	
9f	Scrutiny of Annual return on ROM stock	35556.094 टन	In order.	

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	and/or graded ore		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex-mine price- 2038.87(Refractory) 980.59 (chemical) Production cost: 1907.35	In order.
9i	Scrutiny of Annual return on fixed assets	₹ 132089326.00	-
9k	Scrutiny of Annual return on mining machineries	Back hoe- 01 Dumper- 01 Front end loader- 01	Back hoe- 01 Dumper- 01 Front end loader- 01

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

पिछले निरीक्षण दिनांक 29.10.2022 में कोई उल्लंघन नहीं पाया गया था। वर्तमान निरीक्षण स्टार तारक मूल्यांकन के लिए किया गया। दिनांक 10.10.2023 को स्टार रेटिंग मूल्यांकन कर दिया गया है, मूल्यांकन के पश्चात खान 5 स्टार से 4 स्टार रही है। निरीक्षण के समय खनन कार्य होता हुआ नहीं पाया गया। निरीक्षण के समय नियम संख्या 26(2) का उल्लंघन पाया गया, उल्लंघन पत्र जारी करने की कार्यवाही की जा रही है।

(मनीष गुप्ता)

सहायक खान नियंत्रक