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MCDR INSPECTION REPORT

1.0 **GENERAL**

2.0

S.No	Particulars	Details
1 (a)	Name of the Mine	दबान-वामोती बॉक्साइट खान
1(b)	Name of Inspecting Officer & Designation	मनीष गुप्ता, सहायक खान नियंत्रक
1(c)	Accompanying Mines Representatives	श्री एन.के.वीरमगामा, खान प्रबंधक
1(d)	Type of Inspection	स्टार रेटिंग
1(e)	Date of Inspection	18.09.2023
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	642.055 हे.
3	Mine Code	07GUJ10023
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	दबान
7	Taluka/Mandal	अब्दासा
8	District	कच्छ
9	Pincode	370 670
10	State	गुजरात
11	Post office	दबान
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	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, 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, गढ़सीसा, 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 एन.के.वीरमगामा GMDC Ltd, गढ़सीसा, तालुका- मांडवी- 370445, कच्छ (गुजरात) 02834-282289, दिनांक 10.06.2022 से
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	श्री वीरमगामा GMDC Ltd, गढ़सीसा, तालुका- मांडवी- 370445, कच्छ (गुजरात) 02834-282289, दिनांक 10.06.2022 से, खनन अभियांत्रिकी स्नातक

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24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	श्री आर.पँवार, भू वैज्ञानिक दिनांक 22.05.2023 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-343/2021-22 GNR, 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 (2022-23)	Actual work (2022-23)	Remarks
1a	Backlog of previous year	NIL	NIL	वर्ष 2022-23 के लिए पूर्वक्षण प्रस्ताव नहीं हैं।
1b	Exploration over lease area for Geological axis 1 or 2.	-	G1- 642.055 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 01.04.2023	-	7.381 million tonnes	
1f	General remarks of inspecting officer on geology, exploration etc.	पूर्व में 110 Borehole लगा कर कुल 1626 मी. ड्रिलिंग की गए 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- Daban- 1,2 & 3 Rasaliya- 2	Pit No- Daban- 2 & 3	उत्पादन लक्ष्य से कम होने के कारण सीमित स्थान पर कार्य किया गया है।
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Yes	Yes	
2c	Stripping ratio or ore to OB ratio	1:01	1:0	No overburden generation during the year.
2d	Quantity of topsoil generation in m3	NIL	NIL	
2e	Quantity of overburden generation in m3	1795.68 मी ³	NIL	
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 07 pits have been developed.		

3.0 Exploitation

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
3a	Number of pits proposed for production	Four	Two	
3b	Quantity of ROM mineral production proposed	240000 टन	4467.124 टन	484660.824 टन

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				का Stock होने के कारण उत्पादन कम किया गया है।
3c	Recovery of saleable/usable mineral from ROM production	240000 टन	4467.124 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	Yes	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3.0 से 5.0 मी	3.0 मी	
3m	Total area covered under excavation/pits	95.29 हे.	54.399 हे.	
3n	Ore to OB ratio for the pit/mine during the year	1:01	1:0	
3o	Total area put in use under different heads at the end of year	O/C Workings: 122.73 हे. Waste disposal: 3.17 हे. Plant, Building etc: 5.31 हे. Stack, Shorting yard: 4.8 हे.	O/C Workings: 54.399 हे. Waste disposal: 2.970 हे. Plant, Building etc: 4.2 हे. Stack, Shorting yard: 4.8 हे.	
3p	Production of ROM mineral during last five-year period, as applicable	2018-19: 260829 टन 2019-20: 260240 टन 2020-21: 258073 टन 2021-22: 240000 टन 2022-23: 240000 टन	2018-19: NIL 2019-20: NIL 2020-21: 18613.172 टन 2021-22: 34116.818 टन 2022-23: 4467.124 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	Yes	No generation during the year.
4b	Location of topsoil, OB & mineral reject dumps	East direction of pit-2	East direction of pit-2	
4c	Number of dumps within lease area and outside lease area	02	02	Within lease area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	East direction of pit-2	East direction of pit-2	
4e	Number of active & alive dumps	02	02	
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	Yes	Yes	
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	No OB, mineral reject generated during the year.		

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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	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	Area is not matured for backfilling.		

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 16.04..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	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 (2022-23)	Actual (2022-23)	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	N.A	
7e	General remarks of inspecting officer on	Only sorting, sizing is done.		

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	Mineral conservation & beneficiation issues	
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8.0 Environment

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	YES	YES	
8b	Concurrent use or storage of topsoil	Concurrent use	Concurrent use	वर्ष 2022-23 में Top soil generation नहीं हुआ है। पूर्व में उत्पन्न Top soil वृक्षारोपण के काम में ली गयी है।
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	YES	YES	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	NIL	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NIL	Not matured.
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	200	250	
8g	Survival rate	60%	60%	
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	Area is widespread. Plantation has been done, aesthetic beauty is satisfactory.		

9.0 Compliance of Rule 45

S. N	Item	COMMENTS		Remarks
	Status of submission of Monthly and Annual returns	सितंबर, 2023 की मासिक विवरणी दिनांक 07.10.2023 को जमा की गई। वर्ष 2022-23 की वार्षिक विवरणी दिनांक 27.06.2023 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 एन.के.वीरमगामा, खनन अभियंता श्री आर.पँवार, भू वैज्ञानिक	श्री एन.के.वीरमगामा, खनन अभियंता श्री आर.पँवार, भू वैज्ञानिक	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	O/C Workings: 54.399 हे. Waste disposal: 2.970 हे. Plant, Building etc: 4.2 हे. Stack, Shorting yard: 4.8 हे.	O/C Workings: 54.399 हे. Waste disposal: 2.970 हे. Plant, Building etc: 4.2 हे. Stack, Shorting yard: 4.8 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	484660.824 टन	484660.824 टन	
9g	Scrutiny of Annual return on sale value,	Production cost: 1190.05	In order.	

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Ex. Mine price & production cost			
9i	Scrutiny of Annual return on fixed assets	₹ 2380299.00	दी गयी राशि में कार्यालय की कीमत जोड़ी गयी है।
9k	Scrutiny of Annual return on mining machineries	Back hoe- 01 Dumper- 01 Front end loader- 01 Water Tanker- 01	Back hoe- 01 Dumper- 01 Front end loader- 01 Water Tanker- 01

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

पिछले निरीक्षण दिनांक 20.12.2022 में कोई उल्लंघन नहीं पाया गया था। वर्तमान निरीक्षण तारक मूल्यांकन के लिए किया गया। दिनांक 17.10.2023 को स्टार रेटिंग मूल्यांकन कर दिया गया है, मूल्यांकन के पश्चात खान 4 स्टार रही है। निरीक्षण के समय खनन कार्य होता हुआ नहीं पाया गया। निरीक्षण के समय नियम संख्या 34A(1) read with 34A(5) का उल्लंघन पाये जाने पर दिनांक 23.11.2023 को उल्लंघन पत्र जारी किया गया था। दिनांक 17.01.2024 को उल्लंघनों की अनुपालना हो गयी है।

दिनांक:
गांधीनगर

(मनीष गुप्ता)
सहायक खान नियंत्रक