

MCDR INSPECTION REPORT1.0 **GENERAL**

S.No	Particulars	Details
1	Name of the Mine	राततालाब बाक्साइट खान
1(a)	Name of Inspecting Officer & Designation	मनीष गुमा, सहायक खान नियंत्रक
1(c)	Accompanying Mines Representatives	श्री गुणानंद रॉय, खान अभिकर्ता
1(d)	Type of Inspection	रिव्यू खनन योजना
1(e)	Date of Inspection	15.09.2023
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	110.07 हे. (Non Forest)
3	Mine Code	07GUJ10010
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/246/2011
5	Name of the lessee, Address, phone, email and fax number	ओरियंट एब्रेसिक्स लि. Lawrence & Mayo House, 3 rd Floor, 276, D.N.Road Fort, Mumbai, Maharashtra 9998945910 orientkhambalia@gmail.com
6	Village	मोटी बालाछोड
7	Taluka/Mandal	अब्दासा
8	District	कच्छ
9	Pincode	370 655
10	State	गुजरात
11	Post office	नलिया
12	Nearest police station	नलिया
13	Nearest Railway station	नलिया
14	Date of Grant of Mining Lease	04.10.1973
15	Date of Execution	03.06.1974 (31.03.2030 तक वैध, MMDR Act, 1957 के अनुसार)
16	Date of opening of Mine	02.02.1976
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	--
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	श्री मनुभाई राठोड मधुरमा सोसाइटी के पास, खंभालिया 361305 जिला- देवभूमि द्वारका (गुजरात) 13.06.2017 से
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	श्री गुणानंद रॉय ओरियंट एब्रेसिक्स लि., जामनगर-द्वारका हाइवे, खंभालिया 361305 जिला- देवभूमि द्वारका (गुजरात) 99989 45910, khambhalia@oalmail.co.in 01.07.2016 से
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	--
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55& carrying	--

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	out their duties as per rule 56 & 57.	
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-124(72)/17-18/2019-20MDRD(N)/GNR, दिनांक 15.05.2018, 2018-19 से 2022-23
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	बाक्साइट
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. –**Exploration**

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
1a	Backlog of previous year	03 Trial pit	NIL	पर्यावरण अनुमति के अभाव में दिनांक 15.11.2015 से खान बंद है।
1b	Exploration over lease area for Geological axis 1 or 2.	--	G1- 41.82 हे. G2- 26.5320 हे G3- 9.962 हे G4- 27.7289 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 01.04.2022	3228974 टन	3384970.5 टन	उत्पादन नहीं हुआ है।
1f	General remarks of inspecting officer on geology, exploration etc.	खान बंद है। पूर्व में 09 Trial pit तथा 13 Borehole लगाए गए हैं।		

2.0 Development

SN	Item	Proposals (2022-23)	Actual (2022-23)	Remarks
2a	Location of development w.r.t. lease area	Pit No - 5, 1	NIL	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Yes	Yes	
2c	Stripping ratio or ore to OB ratio	1:0.16	NIL	
2d	Quantity of topsoil generation in m3	7606 मी ³	NIL	
2e	Quantity of overburden generation in m3	17980 मी ³	NIL	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	पर्यावरण अनुमति के अभाव में दिनांक 15.11.2015 से खान बंद है। पूर्व में 07 पिट बना कर कार्य किया गया है।		

3.0 Exploitation

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
3a	Number of pits proposed for production	02	NIL	
3b	Quantity of ROM mineral production proposed	399987 टन	NIL	
3c	Recovery of saleable/usable mineral from ROM production	359997 टन	NIL	

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3d	Quantity of mineral reject generation	40000 टन	NIL	
3e	Grade of mineral reject generation and threshold value declared	Al ₂ O ₃ >30% SiO ₂ <5%	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	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	Yes	NIL	
3k	Provision of mining machineries in mineral benches	Rock breaker with combination of Excavator and Tipper	NIL	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	5.5 मी.	NIL	
3m	Total area covered under excavation/pits	22.4780 हे.	20.048 हे.	
3n	Ore to OB ratio for the pit/mine during the year	1:0.16		
3o	Total area put in use under different heads at the end of year	Pit- 22.4780 हे. Dump- 1.29 हे. Stock, others- 4.626 हे.	Pit- 20.048 हे. Dump- 1.29 हे. Stock, others- 4.626 हे.	
3p	Production of ROM mineral during last five-year period, as applicable	2018-19: 110000 टन 2019-20: 199995 टन 2020-21: 399996 टन 2021-22: 399997 टन 2022-23: 399988 टन	2018-19: -- 2019-20: -- 2020-21: -- 2021-22: -- 2022-23: --	
3q	General remarks of inspecting officer on method of mining etc.	पर्यावरण अनुमति के अभाव में दिनांक 15.11.2015 से खान बंद है।		

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	
4b	Location of topsoil, OB & mineral reject dumps	SW part of area	SW part of area	
4c	Number of dumps within lease area and outside lease area	04	04	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 14)	Outside UPL	Outside UPL	
4e	Number of active & alive dumps	04	04	
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	No proposal	About 170 मी.	
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer	पर्यावरण अनुमति के अभाव में दिनांक 15.11.2015 से खान बंद है।		

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	NIL	NIL	

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	from mined out area before starting backfilling			
5b	Area under backfilling of mined out area	4.0271 हे.	4.0271 हे.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	Concurrent use	NIL	
5d	Total area fully reclaimed & rehabilitated	NIL	NIL	
5e	General remarks of inspecting officer on backfilling, reclamation etc	पर्यावरण अनुमति के अभाव में दिनांक 15.11.2015 से खान बंद है।		

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 20.06.2023	
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	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	0.0970 हे. 60	NIL	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	NIL	NIL	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Environment monitoring of air, water & noise	Carried out.	
6f	General remarks of inspecting officer on PMCP compliance & progressive	पर्यावरण अनुमति के अभाव में दिनांक 15.11.2015 से खान बंद 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	NIL	Abrasive grade - Al ₂ O ₃ : 45%(min), SiO ₂ :1%(max) Refractive grade- Al ₂ O ₃ : 55%(min), SiO ₂ :7.5%(max) Chemical grade Al ₂ O ₃ : 55%(min), SiO ₂ : 2.5%(max)
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	NIL	
7c	Different grade of mineral sorted out at mines	Proposed	NIL	
7d	Any beneficiation process at mines	NIL	NIL	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	पर्यावरण अनुमति के अभाव में दिनांक 15.11.2015 से खान बंद है।		

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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	NIL	
8b	Concurrent use or storage of topsoil	Concurrent	NIL	पूर्व में उत्पन्न top soil पौधरोपण के काम में ली गयी है।
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	Yes	Yes	
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)	NIL	NIL	पूर्व में लगाए गए लगभग 290 पौधे हैं।
8g	Survival rate	NIL	NIL	
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	पर्यावरण अनुमति के अभाव में दिनांक 15.11.2015 से खान बंद है।		

9.0 Compliance of Rule 45

S. N	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	M.R. Submitted up to- अगस्त, 2023 का 05.09.2023 को A.R. submitted for the year 2022-23 on 12.06.2023	

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	NIL	NIL	पर्यावरण अनुमति के अभाव में दिनांक 15.11.2015 से खान बंद है।
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit- 22.4780 हे. Dump- 1.29 हे. Stock, others- 4.626 हे.	Pit- 20.048 हे. Dump- 1.29 हे. Stock, others- 4.626 हे.	
9d	Scrutiny of Annual return on afforestation	NIL	NIL	
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	NIL	NIL	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	0.0	0.0	
9i	Scrutiny of Annual return on fixed assets	0.0	0.0	
9k	Scrutiny of Annual return on mining machineries	NIL	NIL	

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

पिछले निरीक्षण दिनांक 13.10.2017 में नियम 45(5)(b), 45(5)(c) का उल्लंघन पाया गया था, दिनांक 18.07.2018 को इनकी अनुपालना हो गयी है। पर्यावरण अनुमति के अभाव में दिनांक 15.11.2015 से खान बंद है। निरीक्षण के समय खनन कार्य होता हुआ नहीं पाया गया। खान बंद रहने के कारण स्टार रेटिंग

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टैब्लेट नहीं भरा गया है। खान के समीप वायु सेना स्टेशन होने के कारण पट्टाधारक को ड्रोन सर्वे करने की अनुमति प्राप्त नहीं हुई है। वर्तमान निरीक्षण खनन योजना जांच के लिए किया गया, निरीक्षण में कोई Significant उल्लंघन नहीं पाया गया।

गांधीनगर
दिनांक

(मनीष गुप्ता)
सहायक खान नियंत्रक
भारतीय खान ब्यूरो