

MCDR INSPECTION REPORT

1.0

GENERAL

S.No	Particulars	Details
1 (a)	Name of the Mine	अनियाली राणाबोर्डो चूनापत्थर खान
1(b)	Name of Inspecting Officer & Designation	मनीष गुमा, सहायक खान नियंत्रक
1(c)	Accompanying Mines Representatives	श्री मयंक श्रीवास्तव, खान प्रबंधक
1(d)	Type of Inspection	स्टार रेटिंग
1(e)	Date of Inspection	22.09.2024
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	12.27 हे. (Non Forest)
3	Mine Code	38GUJ08103
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/437/2011
5	Name of the lessee, Address, phone, email and fax number	टाटा केमीकल्स लि राणावाव, जिला - पोरबंदर (गुजरात) 360 550 Phone : 02801-230381 Email - rgaur@tatachemicals.com , Fax number : 02801-230320
6	Village	अनियाली
7	Taluka/Mandal	राणावाव
8	District	पोरबंदर
9	Pincode	360 550
10	State	गुजरात
11	Post office	अनियाली
12	Nearest police station	राणावाव
13	Nearest Railway station	राणावाव
14	Date of Grant of Mining Lease	07.07.1966
15	Date of Execution	23.12.1966
16	Date of opening of Mine	01.03.2017
17	Date of first Renewal, if applicable and its period & expiry	लागू नहीं
18	Date of second Renewal, if applicable and its period & expiry	लागू नहीं
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	राज्य सरकार के पत्र संख्या MCR-1565-13876-CHH दिनांक 02.02.2018 के अनुसार दि. 25.05.2030 तक वैध
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	श्री आर.मुकुंदन, टाटा केमीकल्स लि Bombay house , 24 Homy Modi Street, Mumbai 400 001 Tel - 022 66658, Fax -022 66058143 e-mail - rmukundan@tatachemicals.com , दि. 15.12.2008 से
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	श्री रोहित गौड़ , टाटा केमीकल्स लि, राणावाव, जिला - पोरबंदर (गुजरात) 360 550 7069091221 Email - rgaur@tatachemicals.com Fax number : 02801 - 230320, 15.07.2022 से
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	श्री मयंक श्रीवास्तव, टाटा केमीकल्स लि, राणावाव, जिला - पोरबंदर (गुजरात) 360 550 9913955233, e-mail: mayanksrivastav@tatachemicals.com Fax number : 02801 - 230320, 15.12.2015 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.	हां।
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-320/2020-21MDRD(N)GNR, दिनांक 18.02.2021 2021-22 से 2025-26
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	चूनापत्थर
28	Method of Mining(Opencast, Underground)	Opencast
29	Category (Fully Mechanised, Others or Manual)	A- Mechanised
30	Captive/Non Captive	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.	NIL	G1: 12.27 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 01.04.2024	283452 टन	767127 टन	निर्धारित लक्ष्य से कम उत्पादन हुआ है।
1f	General remarks of inspecting officer on geology, exploration etc.	वर्ष 2023-24 के लिए पूर्वक्षण प्रस्ताव नहीं हैं। पूर्व में 27 बोर होल लगाए गए हैं। पूर्वक्षण कार्य संतोषजनक है।		

2.0 Development

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
2a	Location of development w.r.t. lease area	Pit No- 1	Pit No- 1	निरीक्षण के समय N 21° 43' 56.4" E 69° 47' 59.96" पर खनन कार्य पाया गया।
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	NIL	NIL	
2c	Stripping ratio or ore to OB ratio	1:0	1:0	
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.	खनन पट्टे में overburden नहीं है। पट्टा क्षेत्र में कुल 01 पिट विकसित की गयी हैं। पट्टाधारक द्वारा E.C सीमा बढ़ाने के लिए आवेदन किया हुआ है। आवश्यक अनुमति नहीं मिलने के कारण स्वीकृत E.C सीमा अनुमति के अनुसार ही उत्पादन किया गया है।		

3.0 Exploitation

S N	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
3a	Number of pits proposed for production	01	01	Pit का आकार लगभग 280X240X5 मी. है।
3b	Quantity of ROM mineral production proposed	175000 टन	13800 टन	स्वीकृत E.C सीमा अनुमति के अनुसार ही उत्पादन किया गया है।
3c	Recovery of saleable/usable mineral from ROM production	100 %	100 %	
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	NIL	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	Yes Back hoe, loader, Dumper	Yes Back hoe, loader, Dumper	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	5.0 मी.	5.0 मी.	Bench खनिज में बनाई गयी है।
3m	Total area covered under excavation/pits	11.5898 हे.	3.967 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	Pit- 11.5898 हे. Others- 0.048 हे.	Pit- 3.967 हे. Others- 0.9 हे.	
3p	Production of ROM mineral during last five-year period, as applicable	2019-20: 175000 टन 2020-21: 175000 टन 2021-22: 175000 टन 2022-23: 175000 टन 2023-24: 175000 टन	2019-20: 12450 टन 2020-21: 13975 टन 2021-22: 13825 टन 2022-23: 13700 टन 2023-24: 13800 टन	
3q	General remarks of inspecting officer on method of mining etc.	उत्पादन स्वीकृत E.C सीमा के अनुसार ही किया गया है। Soda ash उत्पादन के बाद बचे Undersize चूनापत्थर को स्वयं के सीमेंट संयंत्र में उपयोग कर खनिज का पूर्ण उपयोग किया जा रहा है।		

4.0 Solid Waste Management-Dumping

S N	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	NIL	NIL	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NIL	NIL	
4e	Number of active & alive dumps	NIL	NIL	
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	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	खान पर OB, Mineral reject, dump नहीं है।		

5.0 Solid Waste Management-Backfilling

S N	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	खान पर OB, waste उपलब्ध नहीं होने के कारण Backfilling के प्रस्ताव नहीं हैं। क्षेत्र में Top soil बहुत कम है। उत्पन्न Top soil को वृक्षारोपण में उपयोग किया जाता है।		

6.0 Progressive Mine Closure Plan

S N	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 11.06.2024	
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	0.15 हे. 150 415 मी. (Fencing)	0.15 हे. 620 1320 मी. (Fencing)	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	Yes	

6f	General remarks of inspecting officer on PMCP compliance & progressive	PMCP कार्य की प्रगति संतोषजनक है।
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7.0 Mineral Conservation

S N	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	175000 टन	13800 टन	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
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	Undersize चूनापत्थर को सीमेंट उत्पादन में उपयोग कर पूर्ण ROM का उपयोग किया जा रहा है।		

8.0 Environment

S N	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
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)	NIL	NIL	
8g	Survival rate	Not proposed	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	पट्टाधारक द्वारा 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	अगस्त माह की मासिक विवरणी 05.09.2024 को जमा की गयी। वर्ष 2023-24 की मासिक विवरणी 11.06.2024 को जमा की गयी।	

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 मयंक श्रीवास्तव, खनन अभियंता श्री सी. एम. द्विवेदी, भू वैज्ञानिक	श्री मयंक श्रीवास्तव, खनन अभियंता श्री सी. एम. द्विवेदी, भू वैज्ञानिक	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit- 3.967 हे. Others- 0.9 हे.	Pit- 3.967 हे. Others- 0.9 हे.	
9d	Scrutiny of Annual return on afforestation	215	215	
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	1968.38 टन	1968.38 टन	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Production cost: 197.65.00	उचित प्रतीत होती है।	
9i	Scrutiny of Annual return on fixed assets	NIL	NIL	
9k	Scrutiny of Annual return on mining machineries	Back hoe, Dumper, Tipper, wheel loader, Water tanker	Back hoe, Dumper, Tipper, wheel loader, Water tanker	

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

पिछले निरीक्षण दिनांक 20.12.2023 में कोई उल्लंघन नहीं पाया गया था। वर्तमान निरीक्षण स्टार रेटिंग मूल्यांकन के लिए किया गया। निरीक्षण के समय खनन कार्य होता हुआ नहीं पाया गया। दिनांक 11.12.2024 को मूल्यांकन कर दिया गया है। मूल्यांकन के पश्चात खान 4 स्टार रही है। वर्तमान निरीक्षण में कोई Significant उल्लंघन नहीं पाया गया।

गांधीनगर

(मनीष गुप्ता)

सहायक खान नियंत्रक
भारतीय खान ब्यूरो