

MCDR INSPECTION REPORT

1.0 **GENERAL**

S.No	Particulars	Details
1(a)	Name of the Mine	अनियाली राणाबोडी चूनापत्थर खान
1(b)	Name of Inspecting Officer & Designation	मनीष गुप्ता, 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	17.11.2022
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non Forest – 12.27 हे.
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 केमिकल्स 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	Extended up to 31.03.2030
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	श्री आर.मुकुंदन टाटा केमिकल्स लि Bombay house , 24 Homy Modi Street, Mumbai 400 001 Tel - 022 66658, Fax -022 66058143 e-mail - rmukundan@tatachemicals.com
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	श्री रोहित गौड़ टाटा केमिकल्स लि, राणावाव, जिला – पोरबंदर (गुजरात) 360 550 Phone : 02801 - 230381 Email - rgaur@tatachemicals.com Fax number : 02801 – 230320

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22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	श्री मयंक श्रीवास्तव टाटा केमिकल्स लि, राणावाव, जिला - पोरबंदर (गुजरात) 360 550 Phone : 02801 - 230381 Email - mayanksrivastav@tatachemicals.com Fax number : 02801 - 230320, 15.12.2015
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	श्री मयंक श्रीवास्तव टाटा केमिकल्स लि, राणावाव, जिला - पोरबंदर (गुजरात) 360 550 Phone : 02801 - 230381 Email - mayanksrivastav@tatachemicals.com Fax number : 02801 - 230320, 15.12.2015, खनन अभियांत्रिकी (स्नातक), 19 वर्ष
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-320/2020-21 दिनांक 18.02.2021
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 Mechanized
30	Captive/Non Captive	Captive

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

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
1a	Backlog of previous year	8 Bore hole	8 Bore hole has been drilled.	
1b	Exploration over lease area for Geological axis 1 or 2.	Entire lease area	As per proposal.	Entire area has been explored in G1.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not proposed	N.A	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not proposed	N.A	
1e	Balance reserves as on 01.04.2022.	0.8072 million Tonnes	0.7932 million Tonnes	
1f	General remarks of inspecting officer on geology, exploration etc.	Lessee's effort towards exploration is satisfactory.		

2.0 Development

SN	Item	Proposals (2021-22)	Actual (2021-22)	Remarks
2a	Location of development w.r.t. lease area	2400335N to 2400591N 585185E to 585413E	2400380N to 2400580N 585185E to 585380E	Due to less production working has done on last year proposed site.

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2b	Separate benches in topsoil, overburden and mineral (Rule 15)	NIL	N.A	
2c	Stripping ratio or ore to OB ratio	1:0	1:0	
2d	Quantity of topsoil generation in m3	NIL	N.A	
2e	Quantity of overburden generation in m3	NIL	N.A	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Deposit has been developed properly.		

3.0 Exploitation

S N	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
3a	Number of pits proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	175000 tonnes	13825 tonnes	
3c	Recovery of saleable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	NIL	N.A	Entire mineral has used.
3e	Grade of mineral reject generation and threshold value declared	NIL	N.A	No mineral rejects generated.
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	N.A	N.A	
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	Occasionally to give shattering effect to hard strata.	As per plan.	Rock breaker is used.
3k	Provision of mining machineries in mineral benches	Rock-breaker, Hydraulic Excavator, Dumpers/Trucks	As per proposal.	
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	11.233 ha	3.967 ha	
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- 11.233 ha Roads- 0.0486 ha	Pit- 3.967 ha Roads- 0.2897 ha	
3p	Production of ROM mineral during last five-year period, as applicable	2017-18: 120000 tonne 2018-19: 175000 tonne 2019-20: 175000 tonne 2020-21: 175000 tonne 2021-22: 175000 tonne	2017-18: 12150 tonne 2018-19: 12712 tonne 2019-20: 12450 tonne 2020-21: 13975 tonne 2021-22: 13825 tonne	Production decreased due to decrease demand of soda ash plant.

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3q	General remarks of inspecting officer on method of mining etc.	Eco friendly mining with the help of Rock-breaker.
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4.0 Solid Waste Management-Dumping

S N	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	NIL	N.A	Mining area is devoid of OB.
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	Area is free from OB and top soil except in some portion little cm top soil found. Encountered Top soil has used for plantation.		

5.0 Solid Waste Management-Backfilling

S N	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	NIL	N.A	
5b	Area under backfilling of mined out area	NIL	N.A	Not matured for backfilling.
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	NIL	Utilized for plantation.	
5d	Total area fully reclaimed & rehabilitated	NIL	N.A	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling is not practical as there is no overburden in the area.		

6.0 Progressive Mine Closure Plan

S N	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2)	As per rule	Submitted on 13.06.2022	
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 0.15 ha 150 -- NIL ₹ 59990	N.A 0.3 ha 499 1523 NIL ₹ 82285	

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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	Plantation in periphery of lease area.	As per proposal.	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	NIL	NA	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Environment monitoring (air quality, water quality & noise level) shall be done regularly.	Regular monitoring has been carried out.	Within limit.
6f	General remarks of inspecting officer on PMCP compliance & progressive	Work for PMCP is satisfactory.		

7.0 Mineral Conservation

S N	Item	Proposals (2021-22)	Actual (2021-22)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	175000 tonne	13825 tonne	Directly used in own plant.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Crushing/Manual	As per proposal.	
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	Lessee is working with 100% ROM recovery.		

8.0 Environment

S N	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	NIL	Occurrence of top soil is not regular.	
8b	Concurrent use or storage of topsoil	NIL	Encountered soil has used in plantation.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	NIL	N.A	
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	
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	150 plants	499 plants	
8g	Survival rate	--	70 %	

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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	General mine environment is good.		

9.0 Compliance of Rule 45

S. N	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	M.R. Submitted upto- October, 2022 A.R. submitted for the year 2021-22 on 09.06.2022	

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	Mining engineer- Mayank srivastav Geologist- C.M.Dwivedi	Mining engineer- Mayank srivastav Geologist- C.M.Dwivedi	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit- 3.967 ha		
9d	Scrutiny of Annual return on afforestation	499		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Chemical grade: Opening stock 542.45 tonne Closing stock – 403.35 tonne		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	₹166.91		
9i	Scrutiny of Annual return on fixed assets	--		
9k	Scrutiny of Annual return on mining machineries	Back hoe, Tipper, Wheel loader, Water tanker		

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

पिछले निरीक्षण दिनांक 11.03.2022 तथा दिनांक 12.01.2021 में कोई उल्लंघन नहीं पाया गया था। वर्तमान निरीक्षण स्टार रेटिंग मूल्यांकन के लिए किया गया, कोई उल्लंघन नहीं पाया गया। मूल्यांकन के पश्चात खान के Points 89% से 85% रहे हैं।

दिनांक : 29.11.2022

(मनीष गुप्ता)

सहायक खान नियंत्रक