

MCDR INSPECTION REPORT

1.0 GENERAL

| S.No | Particulars | Details |
|------|--|---|
| 1 | Name of the Mine | राणावाव (गोवानी) चूनापत्थर खान |
| 1(a) | Name of Inspecting Officer & Designation | मनीष गुमा, सहायक खान नियंत्रक |
| 1(b) | Accompanying Mines Representatives | श्री सचिन शर्मा, भू वैज्ञानिक |
| 1(c) | Type of Inspection | स्टार रेटिंग |
| 1(d) | Date of Inspection | 06.08.2024 |
| 1(e) | Total Lease Area (Ha) with breakup of Non-forest and forest land | 25.45 हे. (Non Forest) |
| 2 | Mine Code | 38GUJ21054 |
| 3 | IBM Registration Number under rule 45 of MCDR, 1988 | IBM/437/2011 |
| 4 | 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 |
| 5 | Village | राणावाव |
| 6 | Taluka/Mandal | राणावाव |
| 7 | District | पोरबंदर |
| 8 | Pincode | 360 550 |
| 9 | State | गुजरात |
| 10 | Post office | राणावाव |
| 11 | Nearest police station | राणावाव |
| 12 | Nearest Railway station | राणावाव |
| 13 | Date of Grant of Mining Lease | 16.06.1973 |
| 14 | Date of Execution | 18.09.1974 |
| 15 | Date of opening of Mine | 01.11.2015 |
| 16 | Date of first Renewal, if applicable and its period & expiry | लागू नहीं |
| 17 | Date of second Renewal, if applicable and its period & expiry | लागू नहीं |
| 18 | Date of submission of renewal application if Mining Operations are continuing under deemed extension | राज्य सरकार के पत्र संख्या MCR-1571-(T-68)-1494-CHH दिनांक 05.04.2018 के अनुसार दि. 31.03.2030 तक वैध |
| 19 | 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 |
| 20 | 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 |
| 21 | Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines | श्री निखिल लड्डा, टाटा केमीकल्स लि, राणावाव, जिला - पोरबंदर (गुजरात) 360 550 8440030633, e-mail: nikhiladdha@tatachemicals.com Fax number : 02801 - 230320, 14.07.2022 से |
| 22 | Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and | श्री निखिल लड्डा, टाटा केमीकल्स लि, राणावाव, जिला - पोरबंदर (गुजरात) 360 550 8440030633, e-mail: nikhiladdha@tatachemicals.com |

I/39298/2024

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| | date of appointment in mine | Fax number: 02801– 230320, 14.07.2022 से, खनन अभियांत्रिकी (स्नातक), 10 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-216/2019-20 MDRD(N)/GNR, दिनांक 16.05.2019 2019-20 से 2023-24 |
| 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(Open cast, Underground) | Open cast |
| 29 | Category (Fully Mechanised, Others or Manual) | A (OTFM) |
| 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 | N.A | |
| 1b | Exploration over lease area for Geological axis 1 or 2. | NIL | G1: 25.45 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 | 1668580 टन | 1990420 टन | |
| 1f | General remarks of inspecting officer on geology, exploration etc. | वर्ष 2023-24 के लिए पूर्वक्षण प्रस्ताव नहीं हैं। पूर्व में 35 बोर होल लगाए गए हैं। पूर्वक्षण कार्य कार्यसंतोषजनक है। | | |

2.0 Development

| SN | Item | Proposals (2023-24) | Actual work (2023-24) | Remarks |
|----|---|---|--|---------|
| 2a | Location of development w.r.t. lease area | E/W 578165 578565 N/S 2399147 2399568 | E/W 578165 578565 N/S 2399147 2399568 | |
| 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 | 583 मी. ³ | 450 मी. ³ | |
| 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। उत्पादन कम होने के कारण पुरानी पिट में ही कार्य करने से टॉप सॉइल कम उत्पन्न हुई है। | | |

I/39298/2024

3.0 Exploitation

| S N | Item | Proposals (2023-24) | Actual work (2023-24) | Remarks |
|-----|--|--|--|--|
| 3a | Number of pits proposed for production | 06 | 05 | |
| 3b | Quantity of ROM mineral production proposed | 3,00,000 टन | 67,800 टन | |
| 3c | Recovery of saleable/usable mineral from ROM production | 100% | 100% | Sorting, sizing के पश्चात सम्पूर्ण खनिज उपयोग कर लिया जाता है। |
| 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 | 30,000 टन | 7172 टन | उत्पादन कम होने के कारण Undersize Limestone कम हुआ है। |
| 3g | Grade of sub-grade mineral generation | -50 मिमी. | -50 मिमी. | |
| 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 | NIL | NIL | |
| 3k | Provision of mining machineries in mineral benches | Rock breaker, shovel, Dumper | Rock breaker, shovel, Dumper | |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | 4.0 मी. | 4.0 मी. | |
| 3m | Total area covered under excavation/pits | 15.14 हे. | 12.74 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- 14.6533 हे. Roads- 0.4773 हे. Infrastructure- 0.0126 हे. | Pit- 12.74 हे. Roads- 0.623 हे. Infrastructure- 0.0126 हे. | |
| 3p | Production of ROM mineral during last five-year period, as applicable | 2019-20: 110000 टन 2020-21: 110000 टन 2021-22: 110000 टन 2022-23: 200000 टन 2023-24: 300000 टन | 2019-20: 110000 टन 2020-21: 92900 टन 2021-22: 103000 टन 2022-23: 110360 टन 2023-24: 67800 टन | |
| 3q | General remarks of inspecting officer on method of mining etc. | रोक ब्रेकर का उपयोग कर उचित प्रकार से कार्य किया जा रहा है। राज्य सरकार के द्वारा खनिज की Manual sizing के लिए उपयोग होने वाले Plots का पंजीकरण निरस्त कर दिया गया है, इस कारण उत्पादित खनिज की Sizing नहीं हो पाने तथा मांग की कमी के कारण उत्पादन कम हुआ है। | | |

4.0 Solid Waste Management-Dumping

| S N | Item | Proposals (2023-24) | Actual work (2023-24) | Remarks |
|-----|-----------------------------------|---------------------|-----------------------|------------------|
| 4a | Separate dumping of topsoil, OB & | NIL | NIL | उत्पन्न Top soil |

I/39298/2024

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|----|---|--|-----|------------------------------------|
| | mineral reject (Rule 36, 37) | | | वृक्षारोपण के उपयोग में ली गयी है। |
| 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 | Utilized for plantation. | |
| 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। वृक्षारोपण कर Reclamation किया गया 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 | |
| 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 | 0.2 हे. 200 1000 | 0.5 हे. 495 2935 | |
| 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 | NIL | NIL | |

I/39298/2024

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|----|---|-----------------------------------|-----|--|
| | iv) Rehabilitation by making water reservoir v) Any other specific means | | | |
| 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) | Yes | Yes | |
| 6f | General remarks of inspecting officer on PMCP compliance & progressive | PMCP कार्य की प्रगति संतोषजनक है। | | |

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 | 300000 टन | 67800 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 | Sorting, sizing के द्वारा 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) | 583 मी. ³ | 450 मी. ³ | |
| 8b | Concurrent use or storage of topsoil | Concurrent | Encountered soil has used in plantation. | |
| 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 | 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 | 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 |
|---------|------|----------|---------|
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I/39298/2024

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| Status of submission of Monthly and Annual returns | जुलाई माह की मासिक विवरणी 05.08.2024 को जमा की गयी। वर्ष 2023-24 की मासिक विवरणी 13.06.2024 को जमा की गयी। |
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| 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 निखिल लड्डा, खनन अभियंता श्री सचिन शर्मा, भू वैज्ञानिक | श्री निखिल लड्डा, खनन अभियंता श्री सचिन शर्मा, भू वैज्ञानिक | |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Pit- 12.74 हे. Roads- 0.623 हे. Infrastructure- 0.0126 हे. | Pit- 12.74 हे. Roads- 0.623 हे. Infrastructure- 0.0126 हे. | |
| 9d | Scrutiny of Annual return on afforestation | 495 | 495 | |
| 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 | 7172.47 टन | 7172.47 टन | |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price & production cost | Production cost: 196.00 | उचित प्रतीत होती है। | |
| 9i | Scrutiny of Annual return on fixed assets | NIL | NIL | |
| 9k | Scrutiny of Annual return on mining machineries | Back hoe, Wheel loader, Water tanker, Dumper, | Back hoe, Wheel loader, Water tanker, Dumper, | |

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

पिछले निरीक्षण दिनांक 16.11.2022 में नियम संख्या 55(1)(3)(i) का उल्लंघन पाया गया था, दिनांक 18.01.2023 को इसकी अनुपालना हो गयी है। वर्तमान निरीक्षण स्टार रेटिंग मूल्यांकन के लिए किया गया। निरीक्षण के समय खनन कार्य होता हुआ नहीं पाया गया। दिनांक 22.08.2024 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