

## MCDR INSPECTION REPORT

1.0

**GENERAL**

| S.No | Particulars  | Details  |
|------|--|--|
| 1(a) | Name of the Mine   | अनियाली 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   | 16.21 हे. (Non Forest)   |
| 3    | Mine Code  | 38GUJ08177   |
| 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<br>राणावाव, जिला - पोरबंदर (गुजरात) 360 550<br>Phone : 02801-230381<br>Email - <a href="mailto:rgaur@tatachemicals.com">rgaur@tatachemicals.com</a> , 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  | 12.06.1964   |
| 15   | Date of Execution  | 31.10.1964   |
| 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-1563-15740-(T-40)-GOI-184-CHH दिनांक 03.04.2018 के अनुसार दि. 31.03.2030 तक वैध   |
| 20   | Name of the Nominated Owner with Address, phone, email, fax number and date of appointment   | श्री आर.मुकुंदन, टाटा केमीकल्स लि<br>Bombay house , 24 Homy Modi Street, Mumbai 400 001<br>Tel - 022 66658, Fax -022 66058143<br><a href="mailto:rmukundan@tatachemicals.com">rmukundan@tatachemicals.com</a> , 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<br>7069091221<br><a href="mailto:rgaur@tatachemicals.com">rgaur@tatachemicals.com</a><br>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<br>9913955233, <a href="mailto:mayanksrivastav@tatachemicals.com">mayanksrivastav@tatachemicals.com</a><br>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&  | हां।   |

|    |   |  |
|----|---|--|
|    | carrying 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.           | MCDR-MPCP0CaFI/1/2023-GNR-IBM_RO_GNR MP-463, दिनांक 07.02.2023<br>2022-23 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(Opencast, Underground)   | Opencast   |
| 29 | Category (Fully Mechanised, Others or Manual)   | 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: 16.21 हे.<br>G2: NIL<br>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                                  | 593389 टन   | 599589 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 35 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, 4  | Pit No- 1, 4          | निरीक्षण के समय N 21° 40' 37.86"<br>E 69° 50' 32.75" पर खनन कार्य पाया गया। |
| 2b | Separate benches in topsoil, overburden and mineral (Rule 15)                           | Yes   | Yes                   |   |
| 2c | Stripping ratio or ore to OB ratio  | 1:0   | 1:0                   |   |
| 2d | Quantity of topsoil generation in m3  | 100 मी. <sup>3</sup>  | 100 मी. <sup>3</sup>  |   |
| 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 06 Pit विकसित की गयी हैं। |                       |   |

#### 3.0 Exploitation

| S N | Item                                   | Proposals (2023-24) | Actual work (2023-24) | Remarks |
|-----|--|---------------------|-----------------------|---------|
| 3 a | Number of pits proposed for production | 02                  | 02                    |         |

|    |  |  |   |  |
|----|--|--|---|--|
| 3b | Quantity of ROM mineral production proposed  | 87999.99 टन  | 82900.00 टन   |  |
| 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   | सोडा उत्पादन के बाद शेष Under size को सीमेंट उत्पादन में उपयोग किया जाता है। |
| 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   | 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   | 11.70 हे.  | 10.27 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- 11.70 हे.<br>Others- 0.56 हे.   | Pit- 10.27 हे.<br>Others- 0.56 हे.  |  |
| 3p | Production of ROM mineral during last five-year period, as applicable                                | 2019-20: 88000 टन<br>2020-21: 88000 टन<br>2021-22: 88000 टन<br>2022-23: 89100 टन<br>2023-24: 87999.99 टन   | 2019-20: 82150 टन<br>2020-21: 87970 टन<br>2021-22: 87850 टन<br>2022-23: 82300 टन<br>2023-24: 82900 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। कार्य खनन योजना के प्रस्ताव के अंदर किया गया है। कुल उत्पादन प्रस्तावित मात्रा से कम 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)    | Yes                 | Yes                   |         |
| 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। उत्पन्न Top soil वृक्षारोपण के उपयोग में ली गयी 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)      | Concurrent  | Concurrent            |         |
| 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 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 on 11.06.2024             |         |
| 6b  | Management of worked/mined out benches<br>i) Area available for rehabilitation (ha)<br>ii) Afforestation done (ha)<br>iii) No. of saplings planted during the year<br>iv) Cumulative no. of plants<br>v) Any other specific method of rehabilitation<br>vi) Cost incurred on watch & care during the year | NIL                                | NIL                                 |         |
| 6c  | Compliance on reclamation and rehabilitation by backfilling<br>i) Voids available for backfilling (L X B X D)<br>ii) Void filled by waste/tailings<br>iii) Afforestation on the backfilled area<br>iv) Rehabilitation by making water reservoir<br>v) Any other specific means                            | NIL                                | NIL                                 |         |
| 6d  | Compliance of Rehabilitation of waste land within lease<br>i) Afforestation<br>ii) Area rehabilitated (ha)<br>iii) Method of rehabilitation   | 0.3 हे.<br>250<br>Fencing- 250 मी. | 0.55 हे.<br>865<br>Fencing- 250 मी. |         |
| 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 | Item | Proposals (2023-24) | Actual work | Remarks |
|---|------|---------------------|-------------|---------|
|---|------|---------------------|-------------|---------|

|    |  |   |             |  |
|----|--|---|-------------|--|
| N  |  |   | (2023-24)   |  |
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area                         | 87999.99 टन   | 82900.00 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 | Soda उत्पादन के बाद बचे हुए Undersize चूनापत्थर को सीमेंट उत्पादन में उपयोग कर पूर्ण ROM का उपयोग किया जा रहा है। |             |  |

### 8.0 Environment

| S<br>N | Item  | Proposals<br>(2023-24)  | Actual work (2023-24) | Remarks                            |
|--------|---|---|-----------------------|------------------------------------|
| 8a     | Separate removal and utilization of topsoil (Rule 36)   | 100 मी. <sup>3</sup>  | 100 मी. <sup>3</sup>  |                                    |
| 8b     | Concurrent use or storage of topsoil  | Concurrent  | Concurrent            |                                    |
| 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   | 80%   | 68 %                  | नियम 11(1) का उल्लंघन दिया गया है। |
| 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.<br>N | Item   | COMMENTS  | Remarks |
|---------|--|---|---------|
|         | Status of submission of Monthly and Annual returns | अगस्त माह की मासिक विवरणी 05.09.2024 को जमा की गयी।<br>वर्ष 2023-24 की मासिक विवरणी 11.06.2024 को जमा की गयी। |         |

| S.<br>N. | Item  | Details GIVEN in<br>A.R.   | Observation of<br>I/Officer  | Remarks |
|----------|---|--|--|---------|
| 9b       | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager           | श्री मयंक श्रीवास्तव, खनन अभियंता<br>श्री सी. एम. द्विवेदी, भू वैज्ञानिक | श्री मयंक श्रीवास्तव, खनन अभियंता<br>श्री सी. एम. द्विवेदी, भू वैज्ञानिक |         |
| 9c       | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Pit- 10.27 हे.<br>Others- 0.56 हे.                                       | Pit- 10.27 हे.<br>Others- 0.56 हे.                                       |         |
| 9d       | Scrutiny of Annual return on afforestation  | 865  | 865  |         |
| 9e       | Scrutiny of Annual return on mineral  | NIL  | NIL  |         |

|    |   |   |   |  |
|----|---|---|---|--|
|    | reject generation (Grade & quantity)                                      |   |   |  |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore                  | 6672.36 टन  | 6672.36 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, Other HEM Machinery, wheel loader, Water tanker | Back hoe, Dumper, Tipper, Other HEM Machinery, wheel loader, Water tanker |  |

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

पिछले निरीक्षण दिनांक 03.11.2023 में कोई उल्लंघन नहीं पाया गया था। वर्तमान निरीक्षण स्टार रेटिंग मूल्यांकन के लिए किया गया। दिनांक 12.11.2024 को मूल्यांकन कर दिया गया है। मूल्यांकन के पश्चात खान 4 स्टार रही है। वर्तमान निरीक्षण में नियम संख्या 11(1), 45(5)(c) read with 45(7) का उल्लंघन पाये जाने पर दिनांक 14.11.2024 को उल्लंघन पत्र जारी किया गया था , जिसकी अनुपालना दिनांक 13.12.2024 को हो गयी है। निरीक्षण के समय खनन कार्य होता हुआ नहीं पाया गया।

(मनीष गुप्ता)  
सहायक खान नियंत्रक  
भारतीय खान ब्यूरो  
गांधीनगर