

MCDR INSPECTION REPORT**1.0 GENERAL**

| S.No | Particulars | Details |
|------|--|---|
| 1(a) | Name of the Mine | प्रसन्नवाडा - मोरासा चूनापत्थर खान |
| 1(b) | Name of Inspecting Officer & Designation | मनीष गुप्ता, सहायक खान नियंत्रक |
| 1(c) | Accompanying Mines Representatives | श्री राजीव रंजन सिंह, खान प्रबंधक |
| 1(d) | Type of Inspection | स्टार रेटिंग |
| 1(e) | Date of Inspection | 06.08.2023 |
| 2 | Total Lease Area (Ha) with breakup of Non-forest and forest land | 253.8542 हे. (Non Forest) |
| 3 | Mine Code | 38GUJ08099 |
| 4 | IBM Registration Number under rule 45 of MCDR, 1988 | IBM/304/2011 |
| 5 | Name of the lessee, Address, phone, email and fax number | गुजरात सिद्धी सीमेंट लि. सिद्धीग्राम, वेरावल-कोडीनार राजमार्ग तालुका- सूत्रापाडा, प्रसन्नवाडा, गिर सोमनाथ (गुजरात) 362 275 Phone : 02876-268206/268240, Fax number : 02876-268540 email – dinesh.randad@mehtagroup.com |
| 6 | Village | प्रसन्नवाडा , मोरासा |
| 7 | Taluka/Mandal | सूत्रापाडा |
| 8 | District | गिर सोमनाथ |
| 9 | Pincode | 362 275 |
| 10 | State | गुजरात |
| 11 | Post office | प्रसन्नवाडा |
| 12 | Nearest police station | सूत्रापाडा |
| 13 | Nearest Railway station | सोमनाथ |
| 14 | Date of Grant of Mining Lease | 05.12.1985 |
| 15 | Date of Execution | 11.02.1987 (10.02.2037 तक वैध) |
| 16 | Date of opening of Mine | 12.02.1987 |
| 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 एम.एस.गिलोत्रा एन.के.मेहता इंटरनेशनल हाउस, द्वितीय तल, 178 बंकबे रेक्लेमेसन मुंबई- 400 020 Phone : 022-66365444, Fax number : 022-66365445 email – sidhee-mum@mehtagroup.com 28.05.1999 |
| 21 | Name of the Mine Agent with Address, phone, email, fax number and date of appointment | श्री दिनेश जी. रांडद सिद्धीग्राम, वेरावल-कोडीनार राजमार्ग तालुका- सूत्रापाडा, प्रसन्नवाडा, गिर सोमनाथ (गुजरात) 362 275 Phone : 02876-268206, Fax number : 02876-286540 email – dinesh.randad@mehtagroup.com 16.09.2015 |
| 22 | Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines | श्री राजीव रंजन सिंह सिद्धीग्राम, वेरावल-कोडीनार राजमार्ग तालुका- सूत्रापाडा, प्रसन्नवाडा, गिर सोमनाथ (गुजरात) 362 275 Phone : 02876-268240, Fax number : 02876-286540 email – rajeev.ranjan mehtagroup.com 11.11.2013 |
| 23 | Name of the Mining Engineer, Qualification and | श्री राजीव रंजन सिंह |

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| | total experience with Address, phone, email, fax number and date of appointment in mine | सिद्धीग्राम, वेरावल-कोडीनार राजमार्ग तालुका- सूत्रापाडा, प्रसन्नवाडा, गिर सोमनाथ (गुजरात) 362 275 Phone : 02876-268240, Fax number : 02876-286540 email – rajeev.ranjan.mehtagroup.com स्नातक (खनन अभियांत्रिकी), २० वर्ष, 01.04.2017 |
| 24 | Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55& carrying out their duties as per rule 56 & 57. | हाँ |
| 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-368/2021-22 MDRD(N)/GNR, दिनांक 23.12.2021, 2022-23 से 2026-27 |
| 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, मार्ल |
| 28 | Method of Mining(Open cast, Underground) | Open cast |
| 29 | Category (Fully Mechanised, Others or Manual) | Fully mechanised |
| 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 | NIL | NIL | |
| 1b | Exploration over lease area for Geological axis 1 or 2. | -- | G1- 229.2042 हे. G2- 24.65 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 01.04.2023 | चूनापत्थर 10.7875 million ton मार्ल 6.8775 million ton | चूनापत्थर 10.8518 million ton मार्ल 7.0136 million ton | |
| 1f | General remarks of inspecting officer on geology, exploration etc. | वर्ष 2022-23 के लिए कोई पूर्वक्षण प्रस्ताव नहीं है। पूर्व में 90 Core Borehole तथा 41 Non-Core 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 | N2306920 to N2307750 E661484 to E663400 | N2306920 to N2307880 E661230 to E663580 | |
| 2b | Separate benches in topsoil, overburden and mineral (Rule 15) | NIL | NIL | Top soil layer is marginal in lease area. |
| 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. | वर्ष 2022-23 में Top soil generation, OB generation का प्रस्ताव नहीं है। खान पर Overburden नहीं है। कुल 10 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 | Pit-1 | Pit-1 | |
| 3b | Quantity of ROM mineral production proposed | चूनापत्थर: 500000 टन मार्ल: 200000 टन | 435657.63 टन 63900.72 टन | |

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|----|--|--|---|-------------------------------|
| 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 | NIL | NIL | |
| 3k | Provision of mining machineries in mineral benches | Surface miner with combination of Loader and dumper | Surface miner with combination of Loader and dumper | |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | 6.0 मी. | 6.0 मी. | |
| 3m | Total area covered under excavation/pits | 179.6080 हे. | 179.5094 हे. | |
| 3n | Ore to OB ratio for the pit/mine during the year | 1:0 | 1:0 | पट्टा क्षेत्र में OB नहीं है। |
| 3o | Total area put in use under different heads at the end of year | Pit- 39. 179.6080 हे. Mineral storage, Infrastructure, Road: 3.342 हे. | Pit- 174.619 हे. Mineral storage, Infrastructure, Road: 2.982 हे. | |
| 3p | Production of ROM mineral during last five-year period, as applicable | चूनापत्थर: 2018-19: 1700000 टन 2019-20: 1700000 टन 2020-21: 1700000 टन 2021-22: 1700000 टन 2022-23: 500000 टन मार्ल: 2018-19: 700000 टन 2019-20: 700000 टन 2020-21: 700000 टन 2021-22: 700000 टन 2022-23: 200000 टन | 2018-19: 834949.08 टन 2019-20: 438232.50 टन 2020-21: 311480.03 टन 2021-22: 378114.42 टन 2022-23: 435657.63 टन 2018-19: 0.0 टन 2019-20: 438232.50 टन 2020-21: 15733.41 टन 2021-22: 39129.85 टन 2022-23: 63900.72 टन | |
| 3q | General remarks of inspecting officer on method of mining etc. | पट्टा क्षेत्र में अतिक्रमण के कारण खनन के लिए जगह न मिल पाने की समस्या है। खान पर अब Low grade खनिज ही उपलब्ध होने के कारण क्वालिटी की समस्या भी है। बाहर से High grade चूनापत्थर खरीद कर Low grade चूनापत्थर के साथ मिला कर खनिज का पूर्ण उपयोग किया जा रहा 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) | NIL | NIL | |
| 4b | Location of topsoil, OB & mineral reject dumps | NIL | NIL | उत्पन्न Top soil वृक्षारोपण में उपयोग ली गयी है। |
| 4c | Number of dumps within lease area and outside lease area | NIL | NIL | |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 14) | NIL | NIL | |

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|----|---|---------------------------------|-----|--|
| 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 | पट्टा क्षेत्र में Dump नहीं 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 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 use | Concurrent use | |
| 5d | Total area fully reclaimed & rehabilitated | NIL | NIL | |
| 5e | General remarks of inspecting officer on backfilling, reclamation etc | पूर्व में 4.89 हे. क्षेत्र में Backfilling की गयी 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 01.07.2023 | |
| 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 | 0.2 हे. 500 3000 25000 | 1.0 हे. 1070 3287 25096 | |
| 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 | NIL | NIL | |
| 6e | Compliance of Environmental monitoring (core zone & buffer zone) | Environment monitoring of air, water & noise | Regular monitoring has been carried out. | |
| 6f | General remarks of inspecting officer on PMCP compliance & progressive | वृक्षारोपण के लिए अच्छा कार्य किया गया है। | | |

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7.0 Mineral Conservation

| SN | Item | Proposals (2022-23) | Actual (2022-23) | Remarks |
|----|--|---|------------------|---------|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | ROM dispatch | ROM dispatch | |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical | NIL | NIL | |
| 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 | पूर्ण ROM स्वयं के संयंत्र में सीमेंट उत्पादन के लिए काम लिया गया है। | | |

8.0 Environment

| SN | Item | Proposals (2022-23) | Actual work (2022-23) | Remarks |
|----|---|--|-----------------------|---|
| 8a | Separate removal and utilization of topsoil (Rule 36) | NIL | NIL | |
| 8b | Concurrent use or storage of topsoil | NIL | NIL | वर्ष 2022-23 में top soil का प्रस्ताव नहीं है। पूर्व में उत्पन्न top soil पौधरोपण के काम में ली गयी है। |
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 37) | NIL | NIL | There is no dump in the area. |
| 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 | 70% | 70% | |
| 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 | Very thin layer of Top soil occurred. The aesthetic environment of lease area is satisfactory. | | |

9.0 Compliance of Rule 45

| S. N | Item | COMMENTS | Remarks |
|------|--|---|---------|
| | Status of submission of Monthly and Annual returns | M.R. Submitted up to- जुलाई, 2023 का 05.08.2023 को A.R. submitted for the year 2022-23 on 12.05.2023 | |

| 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 | श्री राजीव रंजन सिंह, खनन अभियंता श्री यशपाल सिंह परमार, भू-वैज्ञानिक | श्री राजीव रंजन सिंह, खनन अभियंता श्री यशपाल सिंह परमार, भू- | |

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| | | | वैज्ञानिक | |
|----|---|--|--|--|
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Pit- 174.619 हे. Infrastructure, Road etc- 2.982 हे. | Pit- 174.619 हे. Infrastructure, Road etc- 2.982 हे. | |
| 9d | Scrutiny of Annual return on afforestation | 1070 | 1070 | |
| 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 | 60078.53 टन | 60078.53 टन | |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price & production cost | 0.0 | Consumed in own plant | |
| 9i | Scrutiny of Annual return on fixed assets | 6095349614.00 | दी गयी राशि में भूमि, संयंत्र, मशीन की कीमत जोड़ी गयी है। | |
| 9k | Scrutiny of Annual return on mining machineries | Shovel, Dumper, Wheel loader, Tipper, Dozer, Surface miner, Water tanker | Shovel, Dumper, Wheel loader, Tipper, Dozer, Surface miner, Water tanker | |

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

पिछले निरीक्षण दिनांक 01.08.2022 में कोई उल्लंघन नहीं पाया गया था। पर्यावरण अनुमति की अवधि पूर्ण हो जाने के कारण दिनांक 20.05.2023 से खनन कार्य अस्थाई रूप से बंद किए गए हैं। निरीक्षण के समय खनन कार्य होता हुआ नहीं पाया गया। वर्तमान निरीक्षण तारक मूल्यांकन के लिए किया गया, दिनांक 13.09.2023 को मूल्यांकन कर दिया गया है। जांच के पश्चात खान 5 स्टार रही है। वर्तमान निरीक्षण में कोई Significant उल्लंघन नहीं पाया गया।

गांधीनगर
दिनांक

(मनीष गुप्ता)
सहायक खान नियंत्रक
भारतीय खान ब्यूरो