

MCDR INSPECTION REPORT

1.0 GENERAL

| S.No | Particulars | Details |
|-------|--|--|
| 1 (a) | Name of the Mine | RKBA घुनापत्थर, मार्ले खान |
| 1(b) | Name of Inspecting Officer & Designation | मनीष गुप्ता, सहायक खान नियंत्रक |
| 1(c) | Accompanying Mines Representatives | श्री महेंद्र सिंह मेडतिया, खान प्रबन्धक श्री अविनाश रॉय, भू-वैज्ञानिक |
| 1(d) | Type of Inspection | स्टार रेटिंग |
| 1(e) | Date of Inspection | 12.10.2022 |
| 2 | Total Lease Area (Ha) with breakup of Non-forest and forest land | 310.3290 है. (Non Forest- 278.7937 है., Agriculture Land- 31.5353 है.) |
| 3 | Mine Code | 38GUJ08338 |
| 4 | IBM Registration Number under rule 45 of MCDR, 1988 | IBM/447/2011 |
| 5 | Name of the lessee, Address, phone, email and fax number | अंबुजा सीमेंट लि कोडीनार, जिला - गिर सोमनाथ, गुजरात 02795 - 221137, 237011 md.office@ambujacement.com Fax number : 02795 - 220328, 232032 |
| 6 | Village | रामपारा, कुकरस, भेताली, आनंदपारा |
| 7 | Taluka/Mandal | वेरावल, सूत्रापाडा |
| 8 | District | गिर सोमनाथ |
| 9 | Pincode | 362 715 |
| 10 | State | गुजरात |
| 11 | Post office | रामपारा |
| 12 | Nearest police station | पाटन, सूत्रापाडा |
| 13 | Nearest Railway station | वेरावल |
| 14 | Date of Grant of Mining Lease | 27.05.2005 |
| 15 | Date of Execution | 05.09.2005 |
| 16 | Date of opening of Mine | 04.10.2005 |
| 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 | लागू नहीं |
| 20 | Name of the Nominated Owner with Address, phone, email, fax number and date of appointment | श्री अजय कपूर Elegant Business park, MIDC Andheri(East), Mumbai Tel - 022 4066700, Fax -022 3082790 e-mail - md.office@ambujacement.com |
| 21 | Name of the Mine Agent with Address, phone, email, fax number and date of appointment | श्री महेश कुमार जैन अंबुजा सीमेंट लि, कोडीनार, जिला - गिर सोमनाथ, गुजरात 84016 87187, maheshkumar.jain@ambujacement.com Fax number : 02795 - 220328, 232032, 16.06.2022 |
| 22 | Name of the Mines Manager with Address, phone, email, fax number and date of | श्री महेंद्र सिंह मेडतिया अंबुजा सीमेंट लि, कोडीनार, जिला - गिर सोमनाथ, गुजरात |

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|----|---|---|
| | appointment in mines | 98299 81244, mahendrasingh.mertia@ambujacement.com Fax number : 02795 - 220328, 232032, 01.08.2022 |
| 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. | श्री अविनाश रॉय अंबुजा सीमेंट लि, कोडीनार, जिला - गिर सोमनाथ, गुजरात 78743 18734, avinash.rai@ambujacement.com Fax number : 02795 - 220328, 232032, 22.03.2022 |
| 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-251/2019-20MDRD(N)GNR दिनांक 21.11.2019 |
| 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) | 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 | NIL | N.A | |
| 1b | Exploration over lease area for Geological axis 1 or 2. | -- | N.A | Up to G1 level. Completed in 2016 |
| 1c | Exploration Agency & Expenditure in lakh Rupees during the year | NIL | N.A | |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2 | NIL | N.A | |
| 1e | Balance reserves as on 01.04.2022. | -- | 7.90 million Tonnes. | |
| 1f | General remarks of inspecting officer on geology, exploration etc. | No exploration proposed and carried out in 2021-22. | | |

2.0 Development

| SN | Item | Proposals (2021-22) | Actual (2021-22) | Remarks |
|----|---|--|----------------------------|---|
| 2a | Location of development w.r.t. lease area | During the year development has been proposed extension of Pit No.- 4,9,16,17 & 18 | As per proposal. | |
| 2b | Separate benches in topsoil, overburden and mineral (Rule 13) | Efforts shall be made to recover layer of soil. | As per proposal. | Limestone deposit is simple and free from overburden. |
| 2c | Stripping ratio or ore to OB ratio | -- | -- | There is no OB. Ore to waste ratio is 1:0.16 |
| 2d | Quantity of topsoil generation in m ³ | -- | -- | |
| 2e | Quantity of overburden generation in m ³ | 226017 मी. ³ | 142370.73 मी. ³ | Inter Burden. |
| 2f | General remarks of inspecting officer on development of pit w.r.t. type of deposit etc. | Development of pit has been carried out as per proposal. | | |

3.0 Exploitation

| SN | Item | Proposals (2021-22) | Actual work (2021-22) | Remarks |
|----|--|--|--|---|
| 3a | Number of pits proposed for production | 5 | 5 | |
| 3b | Quantity of ROM mineral production proposed | 2.0 million tonnes | 1.999555 million tonnes | |
| 3c | Recovery of saleable/usable mineral from ROM production | 85% | 85% | |
| 3d | Quantity of mineral reject generation | NIL | N.A | |
| 3e | Grade of mineral reject generation and threshold value declared | NIL | N.A | |
| 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 | No | N.A | Surface miner is used for windrowing of mineral. |
| 3k | Provision of mining machineries in mineral benches | Yes | As per proposal. | Surface miner, Front end loader, Motor Grader, Tippers |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | YES | As per proposal. | Surface miners cuts material with a cutting depth up to 350 MM. It creates very small benches of few centimetres. |
| 3m | Total area covered under excavation/pits | 218.64 हे. | 210.199 हे. | |
| 3n | Ore to OB ratio for the pit/mine during the year | N.A | NIL | |
| 3o | Total area put in use under different heads at the end of year | Pits- 210.199 हे. Others- 1.18 हे. | Pits- 210.199 हे. Others- 1.18 हे. | Reclaimed – 47.522 हे. |
| 3p | Production of ROM mineral during last five-year period, as applicable | 2017-18: 1945697 2018-19: 1715431 2019-20: 1208327 2020-21: 2000000 2021-22: 2000000 | 2017-18: 1841999 2018-19: 1774336 2019-20: 1205207 2020-21: 1851107 2021-22: 1999555 | |
| 3q | General remarks of inspecting officer on method of mining etc. | Mining deposit is sedimentary. Eco friendly mining with the help of Surface miner. | | |

4.0 Solid Waste Management-Dumping

| SN | Item | Proposals (2021-22) | Actual work (2021-22) | Remarks |
|----|--|--|-----------------------|---------|
| 4a | Separate dumping of topsoil, OB & mineral reject (Rule 36, 37) | Separate top soil to be stacked for further use. | As per proposal. | |
| 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 | NIL | N.A | |

| | | | | |
|----|--|---|-----|--|
| | all along dumps are there | | | |
| 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 | No dumping has been carried out in 2021-22. | | |

5.0 Solid Waste Management-Backfilling

| SN | 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 | N.A | 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) | Concurrent | As per proposal. | |
| 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

| SN | 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 | |
| 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 2.0 हे. 2000 24000 NIL ₹ 6898837 | NIL .64 हे. 2000 27729 NIL ₹ 17255158 | Survived - 1600 |
| 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 | Pit - 7 | Pit - 7 | |
| 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 | Mined-out area after full extraction of mineral will be used as water reservoir. It will help to improve ground water level & quality. | | |

7.0 Mineral Conservation

| SN | Item | Proposals (2021-22) | Actual (2021-22) | Remarks |
|----|--|--|------------------|-----------------------------|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | NIL | N.A | Directly used in own plant. |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical | NIL | N.A | |
| 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 | No beneficiation issue reported during inspection. | | |

8.0 Environment

| SN | Item | Proposals (2021-22) | Actual work (2021-22) | Remarks |
|----|---|-----------------------------------|-----------------------|--|
| 8a | Separate removal and utilization of topsoil (Rule 36) | 0.0 | 0.0 | |
| 8b | Concurrent use or storage of topsoil | Concurrent use. | As per proposal. | Utilized 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 | -- | -- | Mainly agriculture and barren land with fee trees. |
| 8g | Survival rate | 70% | 70 % | |
| 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- September, 2022 A.R. submitted for the year 2021-22 on 17.06.2022 | |

| 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- Sh. Ganpat Ram Geologist - -- | Mining engineer- Tripurari Choudhary Geologist- Sh. Avinash Rai | Form H submitted. |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | 210.199 हे. | | |
| 9d | Scrutiny of Annual return on afforestation | 1600 | | |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade & quantity) | Nil | | |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore | 45300 tonnes | | |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price & production cost | ₹ 175.02 is the production cost | | |

| | | | |
|----|---|---|--|
| 9i | Scrutiny of Annual return on fixed assets | -- | |
| 9k | Scrutiny of Annual return on mining machineries | Surface miner- 2, Loader-2, Dozer-1, Motor Grader- 1, Tippers | |

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:-
 पिछले निरीक्षण दिनांक 13.09.2021 में कोई उल्लंघन नहीं पाया गया। वर्तमान निरीक्षण स्टार रेटिंग मूल्यांकन के लिए किया गया, मूल्यांकन के पश्चात खान के Points 90.32% से 90.32% रहे हैं। वर्तमान निरीक्षण में कोई उल्लंघन नहीं पाया गया।

दिनांक : 21.10.2022



(मनीष गुप्ता)
 सहायक खान नियंत्रक