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MCDR INSPECTION REPORT**1.0 GENERAL**

| SN | Particulars | Details |
|------|---|--|
| 1(a) | Name of the Mine | Kadaya Limestone Mine |
| 1(b) | Name of Inspecting Officer & Designation | Shri Sunil Kumar Sharma, Senior ACOM |
| 1(c) | Accompanying Mines Representatives | Chandan Kumar, Geologist`` |
| 1(d) | Type of Inspection | Modification of Mining plan |
| 1(e) | Date of Inspection | 06/11/2023 |
| 2 | Total Lease Area (Ha) with breakup of Non-forest and forest land | 9.8743 |
| 3 | Mine code | 38GUJ08061 |
| 4 | IBM Registration Number under rule 45 of MCDR, 1988 | IBM/5292/2011 |
| 5 | Name of the lessee, Address, phone, email and fax number | GHCL Ltd. Sutrapada, 9099061556, mining@ghcl.co.in |
| 6 | Village | Kadaya |
| 7 | Taluka/Mandal | Maliya Hatina |
| 8 | District | Junagarh |
| 9 | Pin code | 362245 |
| 10 | State | Gujarat |
| 11 | Post office | Maliya Hatina |
| 12 | Nearest police station | Maliya Hatina |
| 13 | Nearest Railway station | Maliya Hatina |
| 14 | Date of Grant of Mining Lease | 27/05/1985 |
| 15 | Date of Execution | 27/05/1985 |
| 16 | Date of opening of Mine | June 1985 |
| 17 | Date of first Renewal, if applicable and its period & expiry | NA |
| 18 | Date of second Renewal, if applicable and its period & expiry | NA |
| 19 | Date of submission of renewal application if Mining Operations are continuing under deemed extension | NA |
| 20 | Name of the Nominated Owner with Address, phone, email, fax number and date of appointment | Shri Raman Chopra, B -38 Institutional Area, Sector 1 ,Noida,9811121750,email- rchopra@ghcl.co.in Date of appointment- 01/05/2023 |
| 21 | Name of the Mine Agent with Address, phone, email, fax number and date of appointment | Shri Manish Kumar, Sanjay Nagar Sutrapada ,9328849666,manishkumar@ghcl.co.in Date of appointment- 01/05/2023 |
| 22 | Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines | To be appointed. |
| 23 | Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine | To be appointed. |
| 24 | Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57. | To be appointed |
| 25 | Date of Approval of Mining Plan/Modified Mining Plan/ Review of Mine Plan with five-year period and specific condition in approval letter, if any. | Review Of Mining Plan, Letter No. 684(4)(1)MP-289/2020-21-GNR dated 02/12/2020, Period -01/11/2020-31/03/2025 |
| 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 | Limestone |
| 28 | Method of Mining(Opencast, Underground) | Opencast |
| 29 | Category (Fully Mechanised, Others or Manual) | Fully Mechanised |
| 30 | Captive/Non Captive | Captive |

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

Exploration

| SN | Item | Proposals (2022-23) | Actual (2022-23) | Remarks |
|----|--|--|----------------------|---------|
| 1a | Backlog of previous year | Nil | Nil | - |
| 1b | Exploration over lease area for Geological axis 1 or 2. | 6 Boreholes | 12 Boreholes, 99.5 m | |
| 1c | Exploration Agency & Expenditure in lakh Rupees during the year | Ajmera Cement Ltd. | GHCL Ltd. | - |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2 | G1: 7.9843 G2:1.89 Ha | G1: 9.8743 Ha. | - |
| 1e | Balance reserves as on 01.04.2023 | Code | Resrves/Resources | - |
| | | 111 | 1104560 | |
| | | 121 | 21760 | |
| | | 211 | 277015.50 | |
| | | 221 | 16400 | |
| | Total Resources | 1419735.50 | | |
| 1f | General remarks of inspecting officer on geology, exploration etc. | Whole lease area is mineralized area. G1 Exploration was carried out in entire lease area. | | |

2.0 Development

| SN | Item | Proposals (2022-23) | Actual work (2022-23) | Remarks |
|----|---|---|---|--------------------------------------|
| 2a | Location of development w.r.t. lease area | Pit- 01 | Pit -01 | Top soil -nil Bench Height-06 mtr |
| 2b | Separate benches in topsoil, overburden and mineral (Rule 15) | No topsoil and No overburden 1 Bench in Mineral | No topsoil and No overburden 1 Bench in Mineral | |
| 2c | Stripping ratio or ore to OB ratio | 1:0 | 1:0 | |
| 2d | Quantity of topsoil generation in m3 | No Proposal | Nil | |
| 2e | Quantity of overburden generation in m3 | No Proposal | Nil | |
| 2f | General remarks of inspecting officer on development of pit w.r.t. type of deposit etc. | There is no topsoil and no over burden are encountered in mines. Lease was transferred from Ajemra Cement Ltd. to GHCL Ltd. in 2023. Therefore, very less development work was carried out during 2023. | | |

3.0 Exploitation

| SN | Item | Proposals (2022-23) | Actual work | Remarks |
|----|--|---------------------------------|---------------------------------|---------|
| 3a | Number of pits proposed for production | 2 pits | 1 pits | - |
| 3b | Quantity of ROM mineral production proposed | 27780 tonne | 200 tonne | - |
| 3c | Recovery of saleable/usable mineral from ROM production | Cement grade: 27780 tonne | 200 tonne | - |
| 3d | Quantity of mineral reject generation | No Proposal | NA | - |
| 3e | Grade of mineral reject generation and threshold value declared | No Proposal | NA | - |
| 3f | Quantity of sub-grade mineral generation | No Proposal | NA | - |
| 3g | Grade of sub-grade mineral generation | No Proposal | NA | - |
| 3h | Manual / Mechanised method adopted for segregating from ROM | No Proposal | NA | - |
| 3i | Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject | No Proposal | NA | - |
| 3j | Provision of drilling & blasting in mineral benches | No Proposal | NA | - |
| 3k | Provision of mining machineries in mineral benches | Rock Breaker, Shovel and Tipper | Rock Breaker, Shovel and Tipper | - |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | Yes Bench height: 6m | Bench height: 6m | |
| 3m | Total area covered under excavation/pits | 1.9 ha | 0.75 ha | - |

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| | | | | | | |
|----|---|---|-------|----------|-----|----------------------------|
| 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 | 2.475 ha | | 1.07 ha. | | - |
| 3p | Production of ROM mineral during last five-year period, as applicable | 2020-21 | 27780 | 2020-21 | 50 | Plant was not in operation |
| | | 2021-22 | 27780 | 2021-22 | 50 | |
| | | 2022-23 | 27780 | 2022-23 | 100 | |
| 3q | General remarks of inspecting officer on method of mining etc. | Production was not carried out as proposed in mining because associated plant of Ajmera Cement Ltd. was not in operation. Then Lease was transferred from Ajemra Cement Ltd. to GHCL Ltd. in 2023. Therefore, very less production was carried out during 2023. | | | | |

4.0 Solid Waste Management-Dumping

| SN | Item | Proposals (2022-23) | Actual work | Remarks |
|----|---|---|-------------|---------|
| 4a | Separate dumping of topsoil, OB & mineral reject (Rule 32, 33) | No proposal | NA | - |
| 4b | Location of topsoil, OB & mineral reject dumps | No proposal | NA | - |
| 4c | Number of dumps within lease area and outside lease area | No proposal | NA | - |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16) | No proposal | NA | - |
| 4e | Number of active & alive dumps | No proposal | NA | - |
| 4f | Number of dead dumps | No proposal | NA | - |
| 4g | Number of dumps stabilised | No proposal | NA | - |
| 4h | Whether Retaining wall or garland drain all along dumps are there | No proposal | NA | - |
| 4i | Length of Retaining wall or garland drain all along dump | No proposal | NA | - |
| 4j | Number of settling ponds | No proposal | NA | - |
| 4k | Specific comments of inspecting officer | No overburden or no mineral reject is generated during mining operation. Lease was transferred from Ajemra Cement Ltd. to GHCL Ltd. in 2023. Modification of mining plan was submitted by GHCL Ltd for the year 2023-24 to 2024-25. The mining plan was approved on 06.02.2024. | | |

5.0 Solid Waste Management-Backfilling

| S N | Item | Proposals (2022-23) | Actual work | Remarks |
|-----|--|--|-------------------|---------|
| 5a | Status on part or full extraction of mineral from mined out area before starting backfilling | No proposal | No mined out area | - |
| 5b | Area under backfilling of mined out area | No proposal | NA | - |
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32) | No proposal | NA | - |
| 5d | Total area fully reclaimed & rehabilitated | No proposal | NA | - |
| 5e | General remarks of inspecting officer on backfilling, reclamation etc | There was no proposal of backfilling of mined out area. Modification of mining plan was submitted by GHCL Ltd for the year 2023-24 to 2024-25. The mining plan was approved on 06.02.2024. | | |

6.0 Progressive Mine Closure Plan

| SN | Item | Proposals (2022-23) | Actual work | Remarks |
|----|------|---------------------|-------------|---------|
|----|------|---------------------|-------------|---------|

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|----|--|---|---|-------------------------------------|
| 6a | Whether Annual report on PMCP submitted on time and correctly - Rule 26(2). Details should be given in the format as given in Annexure-20. | Yes | Submitted | - |
| 6b | Management of worked/mined out benches i) Area available for rehabilitation (ha) | No proposal | Nil | - |
| | ii) Afforestation done (ha) | 0.10 ha | 0.10 ha | - |
| | iii) No. of saplings planted during the year | 20 | 0 | Violation observed under Rule 11(1) |
| | iv) Cumulative no. of plants | 120 | 26 | |
| | v) Any other specific method of rehabilitation | No proposal | NA | - |
| | vi) Cost incurred on watch & care during the year | 15000 | 16500 | - |
| 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 (Fencing) | 20 m fencing | 0 fencing | Violation observed under Rule 11(1) |
| 6d | Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation | No proposal | NA | - |
| 6e | Compliance of Environmental monitoring (core zone & buffer zone) | yes | Environment monitoring on regular basis | - |
| 6f | General remarks of inspecting officer on PMCP compliance & progressive | Violation observed under Rule 11(1) that 20 saplings and 20 m fencing was proposed during the year 2022-23 in the mining plan whereas no sapling planted and no fencing work was carried out during the year 2022-23. | | |

7.0 Mineral Conservation

| SN | Item | Proposals (2022-23) | Actual work | Remarks |
|----|--|---|-------------|---------|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | 27780 tonne | 200 tonne | - |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical | No Proposal | NA | - |
| 7c | Different grade of mineral sorted out at mines | No Proposal | NA | - |
| 7d | Any beneficiation process at mines | No Proposal | NA | - |
| 7e | General remarks of inspecting officer on Mineral conservation & beneficiation issues | No proposal of mineral sorting at mines as lease was granted to Ajmera Cement Ltd. Lease was transferred from Ajmera Cement Ltd. to GHCL Ltd. in 2023. Modification of mining plan was submitted by GHCL Ltd for the year 2023-24 to 2024-25. The mining plan was approved on 06.02.2024. | | |

8.0 Environment

| SN | Item | Proposals (2022-23) | Actual work | Remarks |
|----|--|---------------------|-------------|---------|
| 8a | Separate removal and utilization of topsoil (Rule 32) | No proposal | NA | - |
| 8b | Concurrent use or storage of topsoil | No proposal | NA | - |
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 33) | No proposal | NA | - |
| 8d | Use of overburden, waste rock, rejects | No proposal | NA | - |

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| | | | | |
|----|---|---|---------------------------|-------------------------------------|
| | and fines dumps for restoring the land to its original use | | | |
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | No proposal | NA | - |
| 8f | Baseline information on existence of plantation & additional plantation done (Rule 41) | Cumulative: 120 No. Plants | Cumulative: 26 No. Plants | Violation observed under Rule 11(1) |
| 8g | Survival rate | 80 | 20 | - |
| 8h | Water sprinkling on roads to control airborne dust | Yes | Yes | - |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area | Violation observed under Rule 11(1) that 20 saplings and 20 m fencing was proposed during the year 2022-23 in the mining plan whereas no sapling planted and no fencing work was carried out during the year 2022-23. | | |

9.0 Compliance of Rule 45

| S.N | Item | Comments | Remarks |
|-----|--|--|---------|
| | Status of submission of Monthly and Annual returns | Annual Return 2022-23 was submitted on 21.06.2023 M.R. Submitted within stipulated time up to till date. | - |

| S.N | Item | Comments | Remarks |
|-----|---|---|-------------------------------------|
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | No mining engineer and no Geologist appointed as mining operations are not carried out more than 90 days. | Violation observed under Rule 28(1) |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Total lease area: 9.8743 ha. Forest Area: Nil Non Forest area: 9.8743 ha. | - |
| 9d | Scrutiny of Annual return on afforestation | 0.1 ha | - |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade & quantity) | No mineral reject generation | - |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore | No ROM stock | - |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price & production cost | Cost of Production: 235 Rs/t | - |
| 9i | Scrutiny of Annual return on fixed assets | - | - |
| 9k | Scrutiny of Annual return on mining machineries | - | - |

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

Violation under Rule 11 (1) and 28(1) were observed. Plantation and fencing work was not carried out as proposed in the approved mining plan and Mining operations have been discontinued from long time therefore, no such notice in Form-E has been sent till date. A violation letter was issued vide letter No. MCDR-MiFLOLST/147/2022-GNR, dated 29.12.2023. Reply of the violation was received from the lessee and compliance was accepted on 20.03.2024 for plantation and fencing work.

**Signed by Sunil Kumar
Sharma
Date: 24-05-2024 17:52:59
Reason: Approved**

(Sunil Kumar Sharma)
Senior Assistant Controller of Mines