

## MCDR INSPECTION REPORT

### 1.0 GENERAL

| SN    | Particulars  | Details   |
|-------|--|---|
| 1     | Name of the Mine   | Khorasa Limestone Mines   |
| 1 (a) | Name of the lessee   | Sh. Rudabhai Devshibhai Vadher  |
| 1(b)  | Name of Inspecting Officer & Designation   | Jigneshkumar Parmar, AME  |
| 1(c)  | Accompanying Mines Representatives   | Sh. Jagatbhai Joshi & Team  |
| 1(d)  | Type of Inspection   | MCDR  |
| 1(e)  | Date of Inspection   | 26-12-2024 (AN)   |
| 2     | Total Lease Area (Ha) with breakup of Non-forest and forest land   | Non-Forest-1.00 Ha  |
| 3     | Minecode   | 38GUJ08288  |
| 4     | IBM Registration Number under rule 45 of MCDR, 2017  | IBM/9151/2012   |
| 5     | Name of the lessee, Address, phone, email and fax number   | Sh. Rudabhai Devshibhai Vadher<br>Near Railway Station, Gadu-Sherbagh, Ta.-Maliya-Hatina,<br>Dist. Junagadh, Gujarat-362255 Mob. 9879765339<br>E-mail: pranavjoshi335@gmail.com |
| 6     | Village  | Khorasa   |
| 7     | Taluka/Mandal  | Maliya-Hatina   |
| 8     | District   | Junagadh  |
| 9     | Pincode  | 362255  |
| 10    | State  | Gujarat   |
| 11    | Post office  | Khorasa   |
| 12    | Nearest police station   | Khorasa   |
| 13    | Nearest Railway station  | Khorasa   |
| 14    | Date of Grant of Mining Lease  | 23-02-1984  |
| 15    | Date of Execution  | 05-05-1984  |
| 16    | Date of opening of Mine  | 05-05-1984  |
| 17    | Date of first Renewal, if applicable and its period & expiry   | N/A   |
| 18    | Date of second Renewal, if applicable and its period & expiry  | N/A   |
| 19    | Date of submission of renewal application if Mining Operations are continuing under deemed extension                                   | ML valid from 05-05-1984 to 04-05-2034 vide MCR-1583-(V-20)-195-CHH.1, Date-15/06/2017  |
| 20    | Name of the Nominated Owner with Address, phone, email, fax number and date of appointment   | Sh. Rudabhai Devshibhai Vadher<br>Near Railway Station, Gadu-Sherbagh, Ta.-Maliya-Hatina,<br>Dist. Junagadh, Gujarat-362255 Mob. 9879765339<br>E-mail: pranavjoshi335@gmail.com |
| 21    | Name of the Mine Agent with Address, phone, email, fax number and date of appointment  | Sh. Jagatbhai Joshi<br>Near Railway Station, Gadu-Sherbagh, Ta.-Maliya-Hatina,<br>Dist. Junagadh, Gujarat-362255 Mob. 9909692840<br>E-mail: pranavjoshi335@gmail.com            |
| 22    | Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines                                      | Shri Ravi Patel, Manager (Mines)<br>Near Railway Station, Gadu-Sherbagh, Ta.-Maliya-Hatina,<br>Dist. Junagadh, Gujarat-362255   |
| 23    | Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine | Shri Ravi Patel, Manager (Mines)<br>Near Railway Station, Gadu-Sherbagh, Ta.-Maliya-Hatina,<br>Dist. Junagadh, Gujarat-362255   |
| 24    | Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out  | Yes, Geologist – Sh. Mohak Jani<br>Mining Engineer- Sh. Ravi Patel  |

|    |   |   |
|----|---|---|
|    | 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.           | 682(23)(286)/2003-MCCM(N)UDP, Date – 17-09-2003<br>682(23)(286)/2003-MCCM(N)UDP, Date – 29-07-2016<br>684(4)(1)/MP-284/2020-21-GNR-Dated 06-11-2020<br>MCDR-MPCP0CaFI/44/2023-GNRIBM-RO-GNR MP-511, Date: 10-01-2024 (RoMP) |
| 26 | Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any. | N/A   |
| 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)   | 'A' Mechanised.   |
| 30 | Captive/Non Captive   | Non Captive   |

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

### **1.0 Exploration**

| SN | Item   | Proposals (2023-24) | Actual work (2023-24) | Remarks |
|----|--|---------------------|-----------------------|---------|
| 1a | Backlog of previous year   | No Proposal         | N.A.                  |         |
| 1b | Exploration over lease area for Geological axis 1 or 2.            | No Proposal         | N.A.                  |         |
| 1c | Exploration Agency & Expenditure in lakh Rupees during the year    | NA                  | NA                    |         |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2     | N.A.                | N.A.                  |         |
| 1e | Balance reserves as on 01.04.2023                                  | 96,426 Tonne        | 71,526 Tonne          |         |
| 1f | General remarks of inspecting officer on geology, exploration etc. | --                  |                       |         |

### **2.0 Development**

| SN | Item  | Proposals (2023-24)  | Actual work (2023-24) | Remarks  |
|----|---|--|-----------------------|--|
| 2a | Location of development w.r.t. lease area   | Pit 1  | Pit 1                 |  |
| 2b | Separate benches in topsoil, overburden and mineral (Rule 15)                           | N.A.   | N.A.                  | There is no O/B and there is also no any generation of rejects as a result of the mining operations. |
| 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. | The deposit is flat bedded deposit and There is no O/B and there is also no any generation of rejects in the lease area. |                       |  |

### 3.0 Exploitation

| SN      | Item   | Proposals (2023-24)   | Actual work (2023-24)     | Remarks                      |         |             |         |       |         |       |         |       |         |       |  |      |                             |         |     |         |     |         |     |         |       |         |       |  |
|---------|--|---|---------------------------|------------------------------|---------|-------------|---------|-------|---------|-------|---------|-------|---------|-------|--|------|-----------------------------|---------|-----|---------|-----|---------|-----|---------|-------|---------|-------|--|
| 3a      | Number of pits proposed for production   | Pit No. 1   | Pit No. 1                 |                              |         |             |         |       |         |       |         |       |         |       |  |      |                             |         |     |         |     |         |     |         |       |         |       |  |
| 3b      | Quantity of ROM mineral production proposed  | 25000 Tonne   | 24900 Tonne               |                              |         |             |         |       |         |       |         |       |         |       |  |      |                             |         |     |         |     |         |     |         |       |         |       |  |
| 3c      | Recovery of salable/usable mineral from ROM production   | 100%  | 100%                      |                              |         |             |         |       |         |       |         |       |         |       |  |      |                             |         |     |         |     |         |     |         |       |         |       |  |
| 3d      | Quantity of mineral reject generation  | NIL   | NIL                       | No mineral reject            |         |             |         |       |         |       |         |       |         |       |  |      |                             |         |     |         |     |         |     |         |       |         |       |  |
| 3e      | Grade of mineral reject generation and threshold value declared                                      | NIL   | NIL                       | No mineral reject            |         |             |         |       |         |       |         |       |         |       |  |      |                             |         |     |         |     |         |     |         |       |         |       |  |
| 3f      | Quantity of sub-grade mineral generation   | NA  | NA                        | No Sub-grade Mineral         |         |             |         |       |         |       |         |       |         |       |  |      |                             |         |     |         |     |         |     |         |       |         |       |  |
| 3g      | Grade of sub-grade mineral generation  | NA  | NA                        | No Sub-grade Mineral         |         |             |         |       |         |       |         |       |         |       |  |      |                             |         |     |         |     |         |     |         |       |         |       |  |
| 3h      | Manual / Mechanised method adopted for segregating from ROM  | Mechanised  | Mechanised                |                              |         |             |         |       |         |       |         |       |         |       |  |      |                             |         |     |         |     |         |     |         |       |         |       |  |
| 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 drilling & blasting. Eco-Friendly mining by use of rock breaker.   | NA                        |                              |         |             |         |       |         |       |         |       |         |       |  |      |                             |         |     |         |     |         |     |         |       |         |       |  |
| 3k      | Provision of mining machineries in mineral benches   | rock breaker with combination of loader with Truck/Excavator/Dumpers  | Yes                       |                              |         |             |         |       |         |       |         |       |         |       |  |      |                             |         |     |         |     |         |     |         |       |         |       |  |
| 3l      | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | Yes<br>O/B-NA<br>Ore-3.0M   | Yes<br>O/B-NA<br>Ore-3.0M |                              |         |             |         |       |         |       |         |       |         |       |  |      |                             |         |     |         |     |         |     |         |       |         |       |  |
| 3m      | Total area covered under excavation/pits   | 0.770 Ha  | Approx 0.7 Ha             |                              |         |             |         |       |         |       |         |       |         |       |  |      |                             |         |     |         |     |         |     |         |       |         |       |  |
| 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-0.773 Ha.   | Approx 0.7 Ha             |                              |         |             |         |       |         |       |         |       |         |       |  |      |                             |         |     |         |     |         |     |         |       |         |       |  |
| 3p      | Production of ROM mineral during last five-year period, as applicable (MT)                           | <table border="1"> <thead> <tr> <th>Year</th> <th>Proposed production (in ton)</th> </tr> </thead> <tbody> <tr> <td>2019-20</td> <td>No proposal</td> </tr> <tr> <td>2020-21</td> <td>12000</td> </tr> <tr> <td>2021-22</td> <td>34960</td> </tr> <tr> <td>2022-23</td> <td>32766</td> </tr> <tr> <td>2023-24</td> <td>25000</td> </tr> </tbody> </table> | Year                      | Proposed production (in ton) | 2019-20 | No proposal | 2020-21 | 12000 | 2021-22 | 34960 | 2022-23 | 32766 | 2023-24 | 25000 | <table border="1"> <thead> <tr> <th>Year</th> <th>Achieve production (in ton)</th> </tr> </thead> <tbody> <tr> <td>2019-20</td> <td>Nil</td> </tr> <tr> <td>2020-21</td> <td>Nil</td> </tr> <tr> <td>2021-22</td> <td>Nil</td> </tr> <tr> <td>2022-23</td> <td>31500</td> </tr> <tr> <td>2023-24</td> <td>24900</td> </tr> </tbody> </table> | Year | Achieve production (in ton) | 2019-20 | Nil | 2020-21 | Nil | 2021-22 | Nil | 2022-23 | 31500 | 2023-24 | 24900 |  |
| Year    | Proposed production (in ton)   |   |                           |                              |         |             |         |       |         |       |         |       |         |       |  |      |                             |         |     |         |     |         |     |         |       |         |       |  |
| 2019-20 | No proposal  |   |                           |                              |         |             |         |       |         |       |         |       |         |       |  |      |                             |         |     |         |     |         |     |         |       |         |       |  |
| 2020-21 | 12000  |   |                           |                              |         |             |         |       |         |       |         |       |         |       |  |      |                             |         |     |         |     |         |     |         |       |         |       |  |
| 2021-22 | 34960  |   |                           |                              |         |             |         |       |         |       |         |       |         |       |  |      |                             |         |     |         |     |         |     |         |       |         |       |  |
| 2022-23 | 32766  |   |                           |                              |         |             |         |       |         |       |         |       |         |       |  |      |                             |         |     |         |     |         |     |         |       |         |       |  |
| 2023-24 | 25000  |   |                           |                              |         |             |         |       |         |       |         |       |         |       |  |      |                             |         |     |         |     |         |     |         |       |         |       |  |
| Year    | Achieve production (in ton)  |   |                           |                              |         |             |         |       |         |       |         |       |         |       |  |      |                             |         |     |         |     |         |     |         |       |         |       |  |
| 2019-20 | Nil  |   |                           |                              |         |             |         |       |         |       |         |       |         |       |  |      |                             |         |     |         |     |         |     |         |       |         |       |  |
| 2020-21 | Nil  |   |                           |                              |         |             |         |       |         |       |         |       |         |       |  |      |                             |         |     |         |     |         |     |         |       |         |       |  |
| 2021-22 | Nil  |   |                           |                              |         |             |         |       |         |       |         |       |         |       |  |      |                             |         |     |         |     |         |     |         |       |         |       |  |
| 2022-23 | 31500  |   |                           |                              |         |             |         |       |         |       |         |       |         |       |  |      |                             |         |     |         |     |         |     |         |       |         |       |  |
| 2023-24 | 24900  |   |                           |                              |         |             |         |       |         |       |         |       |         |       |  |      |                             |         |     |         |     |         |     |         |       |         |       |  |
| 3q      | General remarks of inspecting officer on method of mining etc.                                       | There is no Overburden in mining area and height of benches in mineral is suitable for method of Mining proposed in Plan.   |                           |                              |         |             |         |       |         |       |         |       |         |       |  |      |                             |         |     |         |     |         |     |         |       |         |       |  |

### 4.0 Solid Waste Management-Dumping

| SN | Item                              | Proposals (2023-24) | Actual work (2023-24) | Remarks |
|----|-----------------------------------|---------------------|-----------------------|---------|
| 4a | Separate dumping of topsoil, OB & | No Proposal,        | No OB & mineral       |         |

|    |   |  |                     |  |
|----|---|--|---------------------|--|
|    | mineral reject (Rule 32, 33)                                      |  | reject              |  |
| 4b | Location of topsoil, OB & mineral reject dumps                    | N.A.   | OB & mineral reject |  |
| 4c | Number of dumps within lease area and outside lease area          | Nil  | Nil                 | There is no Overburden in mining area. |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16)             | N.A.   | N.A.                |  |
| 4e | Number of active & alive dumps                                    | N.A.   | N.A.                |  |
| 4f | Number of dead dumps  | N.A.   | N.A.                |  |
| 4g | Number of dumps stabilised  | N.A.   | N.A.                |  |
| 4h | Whether Retaining wall or garland drain all along dumps are there | No   | No                  |  |
| 4i | Length of Retaining wall or garland drain all along dump          | N.A.   | N.A.                |  |
| 4j | Number of settling ponds  | N.A.   | N.A.                |  |
| 4k | Specific comments of inspecting officer                           | There is no Overburden in mining area as the limestone is outcropping in the area. |                     |  |

### **5.0 Solid Waste Management-Backfilling**

| SN | 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 | No Proposal   | NA                    |         |
| 5b | Area under backfilling of mined out area   | NA  | NA                    |         |
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)      | NA  | NA                    |         |
| 5d | Total area fully reclaimed & rehabilitated   | NA  | NA                    |         |
| 5e | General remarks of inspecting officer on backfilling, reclamation etc                        | There is practically no soil covering in this area. So provision for separate stacking of topsoil also has not been made and area is not matured for backfilling. |                       |         |

### **6.0 Progressive Mine Closure Plan**

| SN | Item  | Proposals (2023-24)   | Actual work (2023-24)  | Remarks |
|----|---|---|--|---------|
| 6a | Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2). Details should be given in the format as given in Annexure-20.   | PMCP report submitted in time.  | Submitted.   |         |
| 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 | i) Nil Ha.<br>ii) 0.07 Ha.<br>iii) 50 Nos.<br>iv) 150 Nos<br>v) Nil<br>vi) 5000/- | i) Nil Ha.<br>ii) 0.01 Ha.<br>iii) Approx 35 Nos.<br>iv) 50 Nos.<br>v) Nil<br>vi) Approx. Rs. 2000/- |         |
| 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   | No proposed   | No proposed  |         |

|    |   |  |             |  |
|----|---|--|-------------|--|
|    | v) Any other specific means   |  |             |  |
| 6d | Compliance of Rehabilitation of waste land within lease<br>i) Afforestation<br>ii) Area rehabilitated (ha)<br>iii) Method of rehabilitation | No proposed  | No proposed |  |
| 6e | Compliance of Environmental monitoring (core zone & buffer zone)  | Air quality monitoring was done as per CCOM's circular 3/92 during mining.           | Yes         |  |
| 6f | General remarks of inspecting officer on PMCP compliance & progressive  | The PMCP returns are submitted on time as per the provision of Rule 26 of MCDR 2017. |             |  |

### **7.0 Mineral Conservation**

| SN | Item   | Proposals (2023-24)         | Actual work (2023-24)       | Remarks |
|----|--|-----------------------------|-----------------------------|---------|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area                         | Total ROM to be dispatched. | Total ROM to be dispatched. |         |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical                       | NA                          | NA                          |         |
| 7c | Different grade of mineral sorted out at mines                                       | NA                          | NA                          |         |
| 7d | Any beneficiation process at mines   | NA                          | NA                          |         |
| 7e | General remarks of inspecting officer on Mineral conservation & beneficiation issues | Found Satisfactory.         |                             |         |

### **8.0 Environment**

| SN | Item  | Proposals (2023-24)  | Actual work (2023-24)   | Remarks |
|----|---|--|---|---------|
| 8a | Separate removal and utilization of topsoil (Rule 32)   | NA   | NA  |         |
| 8b | Concurrent use or storage of topsoil  | NA   | NA  |         |
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 33)                                      | NA   | NA  |         |
| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use           | NA   | NA  |         |
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | 50 Nos of sapling to be planted every year.                                    | Approx. 35 Nos of sapling planted up to 2023-24.  |         |
| 8f | Baseline information on existence of plantation & additional plantation done (Rule 41)                      | NA   | NA  |         |
| 8g | Survival rate   | As per proposal.   | Approx. 50%   |         |
| 8h | Water sprinkling on roads to control airborne dust  | Regular water sprinkling is done on haul road and loading and unloading point. | Regular water sprinkling is done on haul road and loading and unloading point to control fugitive emission. |         |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines are                           | The aesthetic environment in and around lease is beautiful.                    |   |         |

## 9.0 Compliance of Rule 45

| S.N | Item  | COMMENTS  |  | Remarks |
|-----|---|---|--|---------|
|     | Status of submission of Online Monthly and Annual returns                                     | M.R. Submitted up to till date - Yes<br>A.R. submitted up to till date- Yes |  |         |
| S.N | Item  | Details given in A.R 2022-23 & 2023-24                                      | Observation of I/Officer /Actual reported in Returns | Remarks |
| 9b  | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager           | Yes   | Found in order                                       |         |
| 9c  | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Yes   | Found in order                                       |         |
| 9d  | Scrutiny of Annual return on afforestation  | Yes   | Found in order                                       |         |
| 9e  | Scrutiny of Annual return on mineral reject generation (Grade & quantity)                     | Yes   | Found in order                                       |         |
| 9f  | Scrutiny of Annual return on ROM stock and/or graded ore                                      | Yes   | Found in order                                       |         |
| 9g  | Scrutiny of Annual return on sale value, Ex. Mine price & production cost                     | Yes   | Found in order                                       |         |
| 9i  | Scrutiny of Annual return on fixed assets   | Yes   | Found in order                                       |         |
| 9k  | Scrutiny of Annual return on mining machineries   | Yes   | Found in order                                       |         |

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

Jigneshkumar Parmar  
Assistant Mining Engineer

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