

## MCDR INSPECTION REPORT

### 1.0 GENERAL

| SN   | Particulars   | Details   |
|------|---|---|
| 1(a) | Name of the Mine  | Khorasa Limestone Mine (1.0Ha)  |
| 1(b) | Name of Inspecting officer & Designation  | G. Ram, Sr.Assistant Controller of Mines  |
| 1(c) | Accomp.official   | Shri Jaghat Mama Joshi, Lessee rep.   |
| 1(d) | Date & Type of Inspection   | 10.9.2021 FN & Star Rating  |
| 2    | Total Lease Area (Ha) with breakup of Non-forest and forest land  | 1.0Hect. ( Non-Forest) Survey No. 379P  |
| 3    | Mine code   | 38GUJ08078  |
| 4    | IBM Registration Number under rule 45 of MCDR, 1988   | IBM/9148/2012   |
| 5    | Name of the lessee, Address, phone, email and fax number  | Shri Babubhai Kalabhai Vaja, Post-Sherbagh, Gaddu, Tq-Maliahatina, District-Junagarh, Gujarat 360575  |
| 6    | Village   | Khorasa   |
| 7    | Taluka/Mandal   | Malia hatina  |
| 8    | District  | Junagarh  |
| 9    | Pin code  | 362255  |
| 10   | State   | Gujarat   |
| 11   | Post office   | Gadu  |
| 12   | Nearest police station  | Gadu  |
| 13   | Nearest Railway station   | Gadu  |
| 14   | Date of Grant of Mining Lease   | 23.2.1984,  |
| 15   | Date of Execution   | 05.5.1984 for 20years   |
| 16   | Date of opening of Mine   | --  |
| 17   | Date of first Renewal, if applicable and its period & expiry  | First Renewal applied-23.4.2003 & under process.  |
| 18   | Date of second Renewal, if applicable and its period & expiry   | Not applicable  |
| 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 & appointment   | Shri Babubhai Kalabhai Vaja, Post-Sherbagh, Gaddu, Tq-Maliahatina, District-Junagarh, Gujarat 360575  |
| 21   | Name of the Mine Agent with Address, phone, email, fax number and date of appointment   | Shri Babubhai Kalabhai Vaja, Post-Sherbagh, Gaddu, Tq-Maliahatina, District-Junagarh, Gujarat 360575  |
| 22   | Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines                                       | NA-Not appointed  |
| 23   | Name of the Mining Engineer, Qualification and total Exp. with Address, phone, email, fax number and date of appointment in mine        | NA-Discontinuance Notice in Form-E is submitted to this office wef 01.11.2019   |
| 24   | Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.           | NA-Discontinuance Notice in Form-E is submitted to this office wef 01.11.2019   |
| 25   | Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.           | Letter No. 682(23)/285/2003-MCCN (M) UDP Dated 17/9/2003,   |
| 26   | Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any. | Letter No. 682(23)/285/2003-MCCN (M) UDP Dated 02.5.2016 for 2016-17 to 2018-19. 684(4)(1)/MP-292(247)/2020-21 Dated 05.11.2020 for 2020-21 to 2023-24. |
| 27   | Mineral(s) granted in ML proved for mining  | Limestone   |
| 28   | Method of Mining(Opencast, Underground)   | Opencast.   |
| 29   | Category (Fully Mechanised, Others or Manual)   | A-Category  |
| 30   | Captive/Non Captive   | Non-Captive   |

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

### **1.0 Exploration**

| SN | Item   | Proposals 2020-21   | Actual work | Remarks |
|----|--|---|-------------|---------|
| 1a | Backlog of previous year   |   |             |         |
| 1b | Exploration over lease area for Geological axis 1 or 2.            | Not proposed  | NIL         | NIL     |
| 1c | Exploration Agency & Expenditure in lakh Rupees during the year    |   |             |         |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2     |   |             |         |
| 1e | Balance reserves as on 01.4.2021                                   | The reserves & resources available as per approved RMP as on 05.11.20 are 76482T (111&121) & remaining resources (53592T) |             |         |
| 1f | General remarks of inspecting officer on geology, exploration etc. | This is small lease area of 1Ha & lessee has been carried out the DTH borehole & trench in previous plan period.          |             |         |

### **2.0 Development**

| SN | Item  | Proposals 2020-21  | Actual work                     | Remarks  |
|----|---|--|---------------------------------|--|
| 2a | Location of development w.r.t. lease area   | Pit No.1&2   | Not done                        | Discontinuance Notice in Form-E is submitted to this office wef 01.11.2019 to till |
| 2b | Separate benches in topsoil, overburden and mineral (Rule 15)                           | It is proposed to removing the topsoil separately, if any.   | Topsoil is removing separately. |  |
| 2c | Stripping ratio or ore to OB ratio  | 1:0.0  | 1:0.0                           |  |
| 2d | Quantity of topsoil generation (m3)   | Not proposed   | Not generated                   |  |
| 2e | Quantity of OB generation ( m3)   | Not Proposed for the year  | NIL                             |  |
| 2f | General remarks of inspecting officer on development of pit w.r.t. type of deposit etc. | The lease area is developed by mine pit. During present inspection, boundary pillars of lease area are not available/erected and maintained as per statutes. |                                 |  |

### **3.0 Exploitation**

| SN | Item   | Proposals 2020-21  | Actual work  | Remarks  |
|----|--|--|--|--|
| 3a | Number of pits proposed for production   | Pit No.1&2, as earmarked in plate No 5.  | NIL  | Discontinuance Notice in Form-E is submitted to this office wef 01.11.2019 |
| 3b | Quantity of ROM mineral production proposed  | 5000T  | 0T   |  |
| 3c | Recovery of salable/usable mineral from ROM production                                       | 100% proposed  | NIL  |  |
| 3d | Quantity of mineral reject generation  | Not proposed   | Not generated  |  |
| 3e | Grade of mineral reject generation and threshold value declared                              | Not Proposed   | NIL  |  |
| 3f | Quantity of sub-grade mineral generation   | Not Proposed   | NIL  |  |
| 3g | Grade of sub-grade mineral generation  | Not Proposed   | NIL  |  |
| 3h | Manual / Mechanised method adopted for segregating from ROM                                  | Mechanised   | NIL  |  |
| 3i | Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject  | Not Proposed any beneficiation.  | NIL  |  |
| 3j | Provision of drilling & blasting in mineral benches  | Not Proposed   | NIL  |  |
| 3k | Provision of mining m/c in mineral benches   | JCB & Tipper combination proposed.   | NIL  |  |
| 3l | Whether height of benches in OB and mineral suitable for method of mining proposed in MP/SOM | Bench height-6m& width more than height  | 0-2m bench height of irregular shape & width is more than height.                          |  |
| 3m | Total area covered under excavation/pits   | It was proposed to work in 0.31Ha in plan period.  | About 0.45Ha.  |  |
| 3n | Ore to OB ratio for the pit/mine during the year   | 1:0.0  | NIL  |  |
| 3o | Total area put in use under different heads at the end of year                               | -  | About 0.45Ha   |  |
| 3p | Production of ROM mineral during last five-year period, as applicable                        | 2017-18- 46984T<br>2018-19- 46804T<br>2019-20- 20252T<br>2020-21-5000T<br>2021-22-35000T   | 2017-18- 49611.72T<br>2018-19- 25880.22T<br>2019-20- 0T<br>2020-21-0T<br>2021-22-0T(Till ) |  |
| 3q | General remarks of inspecting officer on method of mining etc.                               | Presently mine is not working due to EC/NGT. Proposed method of mining is mechanised opencast method with shovel/tipper combination. |  |  |

#### 4.0 Solid Waste Management-Dumping

| SN | Item  | Proposals 2020-21   | Actual work | Remarks                         |
|----|---|---|-------------|---------------------------------|
| 4a | Separate dumping of topsoil, OB & mineral reject                  | Not proposed,   | NIL,        | No O/B is proposed & generated. |
| 4b | Location of topsoil, OB & mineral reject dumps                    |   |             |                                 |
| 4c | Number of dumps within lease area and outside lease area          |   |             |                                 |
| 4d | Location of dumps w.r.t. ultimate pit limit                       |   |             |                                 |
| 4e | Number of active & alive dumps                                    |   |             |                                 |
| 4f | Number of dead dumps  |   |             |                                 |
| 4g | Number of dumps stabilised  |   |             |                                 |
| 4h | Whether Retaining wall or garland drain all along dumps are there |   |             |                                 |
| 4i | Length of Retaining wall or garland drain all along dump          |   |             |                                 |
| 4j | Number of settling ponds  |   |             |                                 |
| 4k | Specific comments of inspecting officer                           | The lease area is devoid of OB/Waste. Hence not proposed OB/Waste in present plan period. |             |                                 |

#### 5.0 Solid Waste Management-Backfilling

| SN | Item   | Proposals 2020-21  | Actual work | Remarks                         |
|----|--|--|-------------|---------------------------------|
| 5a | Status on part or full extraction of mineral from mined out area before starting backfilling | Not proposed since area is devoid of OB/Waste.   | NIL         | No O/B is proposed & generated. |
| 5b | Area under backfilling of mined out area   |  |             |                                 |
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)      |  |             |                                 |
| 5d | Total area fully reclaimed & rehabilitated   |  |             |                                 |
| 5e | General remarks of inspecting officer on backfilling, reclamation etc                        | There are no OB/Waste generation. Hence no backfilling & reclamation proposed & not carried out. |             |                                 |

#### 6.0 Progressive Mine Closure Plan

| SN | Item  | Proposals 2020-21  | Actual work         | Remarks  |
|----|---|--|---------------------|--|
| 6a | Whether Annual report on PMCP submitted on time and correctly   | Proposed   | Not submitted       | Discontinuance Notice in Form-E is submitted to this office wef 01.11.2019 to till date. |
| 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 | Not proposed   | NIL                 |  |
| 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 etc.                          | Not proposed   |                     |  |
| 6d | Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation  | 0.04Ha & 50 No.  | 0.01Ha & 15 No.     |  |
| 6e | Compliance of Environmental monitoring (core & buffer zone)   | Proposed   | Done by third party |  |
| 6f | General remarks of inspecting officer on PMCP compliance & progressive mine closure.  | There are no OB/Waste generation. Hence no backfilling & reclamation proposed & not carried out. |                     |  |

## 7.0 Mineral Conservation

| SN | Item   | Proposals 2020-21     | Actual work | Remarks  |
|----|--|-----------------------|-------------|--|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area                         | 5000T                 | 0T          | Discontinuance Notice in Form-E is submitted to this office wef 01.11.2019 |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical                       | Mechanised            | NIL         |  |
| 7c | Different grade of mineral sorted out at mines                                       | Chemical/Cement grade | NIL         |  |
| 7d | Any beneficiation process at mines   | Not Proposed          | NIL         |  |
| 7e | General remarks of inspecting officer on Mineral conservation & beneficiation issues | NIL                   |             |  |

## 8.0 Environment

| SN | Item  | Proposals 2020-21   | Actual work           | Remarks |
|----|---|---|-----------------------|---------|
| 8a | Separate removal and utilization of topsoil   | Not proposed  | Not generated.        |         |
| 8b | Concurrent use or storage of topsoil  | Not proposed  | NIL                   |         |
| 8c | Separate dumps for overburden, waste rock, rejects and fines                                      | Not proposed  | NIL                   |         |
| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | Not proposed  | NIL                   |         |
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations         | Not proposed  | NIL                   |         |
| 8f | Baseline information on existence of plantation & additional plantation done                      | Plantation proposed-10saplings & 0.05Ha   | NIL                   |         |
| 8g | Survival rate   | Not proposed  | Survival less         |         |
| 8h | Water sprinkling on roads to control airborne dust  | Proposal for suppress dust  | Water sprinkling done |         |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines.                    | The aesthetic beauty of area in & around mines are degraded mine pit/land of irregular bench height & width due to mining activities etc. |                       |         |

## 9.0 Compliance of Rule 45

| S.N | Item  | COMMENTS   | Remarks   |
|-----|---|--|---|
|     | Status of submission of Online Monthly and Annual returns                                     | M.R. & A.R. is submitted with in time. AR-2020-21 is submitted on 13.6.2021. |   |
| S.N | Item  | Observations   | Remarks   |
| 9b  | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager           | ME & Geologist is not appointed.   | NA-Discontinuance Notice in Form-E is submitted to this office wef 01.11.2019 |
| 9c  | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Details given as per AR-2020-21  | ROM production & dispatch is NIL for the year.                                |
| 9d  | Scrutiny of Annual return on forestation  |  |   |
| 9e  | Scrutiny of Annual return on mineral reject generation (Grade & quantity)                     |  |   |
| 9f  | Scrutiny of Annual return on ROM stock and/or graded ore                                      |  |   |
| 9g  | Scrutiny of Annual return on sale value, Ex. Mine price & production cost                     |  |   |
| 9i  | Scrutiny of Annual return on fixed assets   |  |   |
| 9k  | Scrutiny of Annual return on mining machineries   |  |   |
|     |   |  | No significant VL observed.   |

Details of violations observed during current inspection and compliance position of earlier violation pointed out:  
 - Mine was inspected for Star Rating (2019-20) inspection and validation done (3star), In previous inspection, discontinued notice is submitted wef 01.11.2019 to till date. Presently no significant violation observed & pointed out.