

Regional office: Gandhinagar

File no: GUJ/PORB/ LST-322

MCDR INSPECTION REPORT

Inspecting officer: Dr. N K Mathur, AMG, Gandhinagar

Inspection date: 17.04.2018, Type of Inspection: Review of Mining Plan

1.0 GENERAL

| SN | Particulars | Details |
|----|--|---|
| 1 | Name of the Mine | ROGHADA LIMESTONE |
| 2 | Total Lease Area (Ha) with breakup of Non-forest and forest land | 04.00.00 Hect (NON-FOREST LAND) |
| 3 | Mine code | 38GUJ21101 |
| 4 | IBM Registration Number under rule 45 of MCDR, 1988 | IBM/17858/2014 |
| 5 | Name of the lessee, Address, phone, email and fax number | SHRI MERKHIBHAI JETABHAI VANDA AT.PO. ROGHADA, TALUKA-KUTIYANA, DISTRICT - PORBANDAR, STATE - GUJARAT. Email-ID : merkhijeta@gmail.com , Mobile No : +91-99787 15999 |
| 6 | Village | ROGHADA |
| 7 | Taluka/Mandal | KUTIYANA |
| 8 | District | PORBANDAR |
| 9 | Pin code | 362650 |
| 10 | State | Gujarat |
| 11 | Post office | Roghada |
| 12 | Nearest police station | Roghada |
| 13 | Nearest Railway station | 26.00 km |
| 14 | Date of Grant of Mining Lease | 20.09.2012 |
| 15 | Date of Execution | 06/02/2013 |
| 16 | Date of opening of Mine | 06/02/2013 (Opening Date) |
| 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 | NA |
| 21 | Name of the Mine Agent with Address, phone, email, fax number and date of appointment | NA |
| 22 | Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines | NA |
| 23 | Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine | Very small lease No Geologist in Mines |

| | | |
|----|---|--|
| 24 | Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44. | Very small lease No Geologist in Mines |
| 25 | Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any. | NA |
| 26 | Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any. | NA |
| 27 | Mineral(s) granted in lease and proved for mining | Limestone |
| 28 | Method of Mining (Opencast, Underground) | Opencast Working |
| 29 | Category (Fully Mechanised, Others or Manual) | Semi-mechanised (OTFM) |
| 30 | Captive/Non Captive | Trading |

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

Exploration

| SN | Item | Proposals (2017-18) | Actual work (2017-18) | Remarks |
|----|--|--|-----------------------|---|
| 1a | Backlog of previous year | Prospecting 2 BH was proposed in earlier approved scheme of mining. | Nil | Reserve for mining was available last plan period |
| 1b | Exploration over lease area for Geological axis 1 or 2. | Nil | Nil | Nil |
| 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 01.04.2016 | 1529389 MT | 3722823.6 MT | Only 111 and 121&122 category |
| 1f | General remarks of inspecting officer on geology, exploration etc. | Violation under provision of rules 26(2) 33, 45(5) (b), 45(5) (c) & 46(a) pointed out on dt. 15.05.2018 for rectification. | | |

2.0 Development

| SN | Item | Proposals (2017-18) | Actual work (2017-18) | Remarks |
|----|---|-----------------------------|-----------------------|---------|
| 2a | Location of development w.r.t. lease area | North Eastern to South part | As per Proposals | |
| 2b | Separate benches in topsoil, overburden and mineral (Rule 15) | Nil | Nil | |
| 2c | Stripping ratio or ore to OB ratio | Nil | Nil | |
| 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. | Violation under provision of rules 26(2) 33, 45(5) (b), 45(5) (c) & 46(a) pointed out on dt. 15.05.2018 for rectification. | | |

3.0 Exploitation

| SN | Item | Proposals (2017-18) | Actual work (2017-18) | Remarks | |
|----|--|----------------------------------|------------------------|----------------------------------|----------|
| 3a | Number of pits proposed for production | One Pit | In Two Pit | | |
| 3b | Quantity of ROM mineral production proposed | 54480 ton | 75873 ton | | |
| 3c | Recovery of salable/usable mineral from ROM production | 90% | 95% and 5 % Undersized | | |
| 3d | Quantity of mineral reject generation | No Proposal | No Proposal | | |
| 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 | Manual | Semi-Mechanised | | |
| 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 | NA | NA | NA | |
| 3k | Provision of mining machineries in mineral benches | NA | NA | NA | |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | NA | NA | | |
| 3m | Total area covered under excavation/pits | 1.10.00 ha. | 0.8601 ha. | | |
| 3n | Ore to OB ratio for the pit/mine during the year | Nil | Nil | | |
| 3o | Total area put in use under different heads at the end of year | Pit - 1.10.00 ha. | Pit - 0.8601 ha. | | |
| 3p | Production of ROM mineral during last five-year period, as applicable | 2013-14 | 62374 | 2013-14 | 30063.63 |
| | | (lease was executed on 6/2/2013) | | (lease was executed on 6/2/2013) | |
| | | 2014-15 | 42643 | 2014-15 | 25223.38 |
| | | 2015-16 | 41769 | 2015-16 | 7028.95 |

| | | | | | |
|----|--|--|---------------|--------------|---------------|
| | | 2016-17 | 43692 | 2016-17 | 10959.05 |
| | | 2017-18 | 43846 | 2017-18 | 65480.985 |
| | | Total | 234324 | Total | 138756 |
| 3q | General remarks of inspecting officer on method of mining etc. | Violation under provision of rules 26(2) 33, 45(5) (b), 45(5) (c) & 46(a) pointed out on dt. 15.05.2018 for rectification. | | | |

4.0 Solid Waste Management-Dumping

| SN | Item | Proposals (2017-18) | Actual work (2017-18) | Remarks |
|----|---|--|-----------------------|---------|
| 4a | Separate dumping of topsoil, OB & mineral reject (Rule 32, 33) | Nil | Nil | |
| 4b | Location of topsoil, OB & mineral reject dumps | Nil | Nil | |
| 4c | Number of dumps within lease area and outside lease area | Nil | Nil | |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16) | Nil | Nil | |
| 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 | Violation under provision of rules 26(2) 33, 45(5) (b), 45(5) (c) & 46(a) pointed out on dt. 15.05.2018 for rectification. | | |

5.0 Solid Waste Management-Backfilling

| SN | Item | Proposals (2017-18) | Actual work (2017-18) | 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 32) | Nil | Nil | |
| 5d | Total area fully reclaimed & rehabilitated | Nil | Nil | |
| 5e | General remarks of inspecting officer on backfilling, reclamation etc | Violation under provision of rules 26(2) 33, 45(5) (b), 45(5) (c) & 46(a) pointed out on dt. 15.05.2018 for rectification. | | |

6.0 Progressive Mine Closure Plan

| SN | Item | Proposals (2017-18) | Actual work (2017-18) | 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. | As per Proposal submitted | Nil | |
| 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 | No Proposal | No Proposal | |
| 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) | Nil | Nil | |

| | | | | |
|----|---|--|-------------|--|
| 6d | Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation | No Proposal | No Proposal | |
| 6e | Compliance of Environmental monitoring (core zone & buffer zone) | Nil | Nil | |
| 6f | General remarks of inspecting officer on PMCP compliance & progressive | Violation under provision of rules 26(2) 33, 45(5) (b), 45(5) (c) & 46(a) pointed out on dt. 15.05.2018 for rectification. | | |

7.0 Mineral Conservation

| SN | Item | Proposals (2017-18) | Actual work (2017-18) | Remarks |
|----|--|--|---------------------------|---------|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | Proposal made for manual sorting and sizing. | Manual sorting and sizing | |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical | Manual | Manual | |

| | | | | |
|----|--|--|-----------------|--|
| 7c | Different grade of mineral sorted out at mines | General sorting | General sorting | |
| 7d | Any beneficiation process at mines | NA | NA | |
| 7e | General remarks of inspecting officer on Mineral conservation & beneficiation issues | Violation under provision of rules 26(2) 33, 45(5) (b), 45(5) (c) & 46(a) pointed out on dt. 15.05.2018 for rectification. | | |

8.0 Environment

| SN | Item | Proposals (2017-18) | Actual work (2017-18) | Remarks |
|----|---|--|---|--|
| 8a | Separate removal and utilization of topsoil (Rule 32) | Nil | Nil | |
| 8b | Concurrent use or storage of topsoil | Nil | Nil | |
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 33) | Nil | Nil | |
| 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) | NA | NA | |
| 8f | Baseline information on existence of plantation & additional plantation done (Rule 41) | 50 sampling of the Ronjha, Khejri, Mahuwa & Neem etc. were planted during the five years period in boundary barrier. | Plantation done but survivor water circuited and afforestation in lease area. | Back log of the plantation shell be completed during 2018-19 to 2021-22. |
| 8g | Survival rate | 50% | 20% | |
| 8h | Water sprinkling on roads to control airborne dust | Water to be sprinkled on the haul road to suppress the dust being getting airborne | Mobile water tankers have been deployed for the purpose. | |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines are | Violation under provision of rules 26(2) 33, 45(5) (b), 45(5) (c) & 46(a) pointed out on dt. 15.05.2018 for rectification. | | |

9.0 Compliance of Rule 45

| S. N. | Item | COMMENTS | Remarks |
|-------|--|--|---------|
| | Status of submission of Monthly and Annual returns | M.R. Submitted up to – March -2018 A.R. submitted up to- year 2016-2017 | |

| 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 | | Return not submitted | Violation under provision of rules 26(2) 33, 45(5) (b), 45(5) (c) & 46(a) pointed out on dt. 15.05.2018 for rectification. |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | | | |
| 9d | Scrutiny of Annual return on afforestation | | | |
| 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 | | | |

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

Violation under provision of rules 26(2) 33, 45(5) (b), 45(5) (c) & 46(a) pointed out on dt. 15.05.2018 for rectification.

Place Gandhinagarr

Name: Dr N. K. Mathur

Signature

Date 11-07-2018

Designation: AMG