

MCDR INSPECTION REPORT

1.0 GENERAL

| SN | Particulars | Details |
|------|--|---|
| 1(a) | Name of the Mine | Adityana Limestone Mine (32.78Ha) |
| 1(b) | Name of Inspecting officer & Designation | G. Ram Sr.Assistant Controller of Mines |
| 1(c) | Accomp.official | Technical Person-VK Jain & Yogesh Bhai |
| 1(d) | Date & Type of Inspection | 09.1.2018 & RMP |
| 2 | Total Lease Area (Ha) with breakup of Non-forest and forest land | Total Lease Area: 32.78Hect, Sy.No.-190/42 Non-Forest land: |
| 3 | Mine code | 38GUJ08274 |
| 4 | IBM Registration Number under rule 45 of MCDR, 1988 | IBM/7742/2011 |
| 5 | Name of the lessee, Address, phone, email and fax number | Suresh Bhai Hamir Bhai Rathod, legal heir of Late Harmir Bhai Harji Bhai Kutna Village/P.O Amardad, Taluka – Ranavav Dist. Porbandar , State-Gujarat -362 560 |
| 6 | Village | Adityana |
| 7 | Taluka/Mandal | Ranavav |
| 8 | District | Porbandar |
| 9 | Pin code | 360575 |
| 10 | State | Gujarat |
| 11 | Post office | Ranavav |
| 12 | Nearest police station | Ranavav |
| 13 | Nearest Railway station | Porbandar |
| 14 | Date of Grant of Mining Lease | 10.2.1969 |
| 15 | Date of Execution | 10.2.1969 |
| 16 | Date of opening of Mine | 1982 |
| 17 | Date of first Renewal, if app. | ML was first renewed for the period of 20 Years on 01.10.1992 & |
| 18 | Date of second Renewal, if applicable and its period & expiry | Applied for second renewal on 06/12/07 & under process. |
| 19 | Date of submission of renewal application if Mining Operations are continuing under deemed extension | Applied for second renewal on 06/12/07 & under process. |
| 20 | Name of the Nominated Owner with Address, phone, email, fax number and date of appointment | Suresh Bhai Hamir Bhai Rathod, Legal heir of Late Harmir Harji Kutna, |
| 21 | Name of the Mine Agent with Address, phone, email, fax number and date of appointment | Suresh Bhai Hamir Bhai Rathod, Legal heir of Late Harmir Harji Kutna, |
| 22 | Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines | --- |
| 23 | Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine | NA-Violation pointed out under provision of Rule 55(1)(3) of MCDR,2017 |
| 24 | Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 &44. | NA-Violation pointed out under provision of Rule 55(1)(3) of MCDR,2017 |
| 25 | Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any. | Date of Approval of mining Plan: 682(23)(604)/2008-MCCM(N)/UDP, Dated-23.10.2008 |
| 26 | Date of Approval of Scheme of Mining/Modified Scheme of Mining with | 682(23)(MS-604)/2008-MCCM(N)/UDP,Dated-05.12.16 for 2016-17 to 2018-19. |

| | | |
|----|---|-------------|
| | 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 Mechanized, Others or Manual) | A |
| 30 | Captive/Non Captive | Non-Captive |

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

1.0 Exploration

| SN | Item | Proposals (2016-17) | Actual work | Remarks |
|----|--|---|---------------|---------|
| 1a | Backlog of previous year | Not proposed | --NIL-- | |
| 1b | Exploration over lease area for Geological axis 1 or 2. | Not proposed | 05Trench/pits | |
| 1c | Exploration Agency & Expenditure in lakh Rupees during the year | Not proposed | --NIL-- | |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2 | No proposal | --NIL-- | |
| 1e | Balance reserves as on 01.04.2017 | 1.1393 MT (111) & Limestone reserves as on 01.4.17 after depletion of production achieved. | | |
| 1f | General remarks of inspecting officer on geology, exploration etc. | Area is developed by working pits/trenches as earmarked in plan & section. Lessee has been proposed the further exploratory boreholes in plan period. | | |

2.0 Development

| SN | Item | Proposals- (2016-17) & 2017-18 | Actual work | Remarks |
|----|---|--|--|---------|
| 2a | Location of development w.r.t. lease area | It was proposed to work of two benches of fresh pit towards SW direction of bench in 20-14 mRL & pit no.1 as earmarked in plate no.3A&3B | Mine workings have been done partly in earmarked ground in irregular manner in top & bottom bench mRL & further mineral rejects stacked in lease area where no proposal was there. | |
| 2b | Separate benches in topsoil, overburden and mineral (Rule 15) | 460M3 & 480M3 | N.A. | |
| 2c | Stripping ratio or ore to OB ratio | 1:0.0 | 1:0.0 | |
| 2d | Quantity of topsoil generation in m3 | NO Proposal | NIL | |
| 2e | Quantity of overburden generation in m3 | -do- | NIL | |
| 2f | General remarks of inspecting officer on development of pit w.r.t. type of deposit etc. | Entire ROM is being utilizing by proper sizing & sorting as per buyers specification & Presently no OB/Waste generated. | | |

3.0 Exploitation

| SN | Item | Proposals- (2016-17) & 2017-18 | Actual work | Remarks |
|----|---|--------------------------------------|---|---------|
| 3a | Number of pits proposed for production | Two Pits No.1&10 as earmarked | Mine working was being carried out Partly as earmarked. | |
| 3b | Quantity of ROM mineral production proposed | 2016-17-89,984T 2017-18-2,86,000T | 2016-17-73,600T 2017-18-2,54,533T Till Dec.17 | |

| | | | | |
|----|--|--|--|--|
| 3c | Recovery of salable/usable mineral from ROM production | -do- | NA | |
| 3d | Quantity of mineral reject generation | Not proposed | NIL | |
| 3e | Grade of mineral reject generation and threshold value declared | -do- | NIL | |
| 3f | Quantity of sub-grade mineral generation | -do- | NA | |
| 3g | Grade of sub-grade mineral generation | -do- | NIL | |
| 3h | Manual / Mechanized method adopted for segregating from ROM | Manual | Manual | |
| 3i | Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject | -do- | NIL | |
| 3j | Provision of drilling & blasting in mineral benches | Not proposed | NIL | |
| 3k | Provision of mining machineries in mineral benches | Rock breaker, JCB & Hyd. Excavator & tipper combination | Rock breaker, JCB & Hyd. Excavator & tipper combination | |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | Regular bench as proposed | Irregular bench in limestone | |
| 3m | Total area covered under excavation/pits | About 1.5 Ha/Year | About 8.75Ha (Cumulative) | |
| 3n | Ore to OB ratio for the pit/mine during the year | Not proposed | NIL | |
| 3o | Total area put in use under different heads at the end of year | Not proposed | Area under mining about-8.75Ha, Road-0.40Ha, | |
| 3p | Production of ROM mineral during last five-year period, as applicable | 2014-15-NIL 2015-16-NIL 2016-17-89,984T 2017-18-2,86,000T | 2014-15-NIL 2015-16-NIL 2016-17-73,600T 2017-18-2,54,533T Till Dec.17 | |
| 3q | General remarks of inspecting officer on method of mining etc. | NIL | | |

4.0 Solid Waste Management-Dumping

| SN | Item | Proposals- (2016-17) & 2017-18 | Actual work | Remarks | |
|----|---|--|-------------|---------|---|
| 4a | Separate dumping of topsoil, OB & mineral reject (Rule 32, 33) | No Proposal, No OB/Waste generated | NIL | | |
| 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 (Rule 16) | | | | |
| 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 | Entire ROM is being utilizing by proper sizing & sorting as per buyer's specification & No OB/Waste generated. | | | |

5.0 Solid Waste Management-Backfilling

| SN | Item | Proposals- (2016-17) & 2017-18 | Actual work | Remarks |
|----|------|--------------------------------|-------------|---------|
|----|------|--------------------------------|-------------|---------|

| | | | | |
|----|--|--|-----|-----|
| 5a | Status on part or full extraction of mineral from mined out area before starting backfilling | No proposal | NIL | NIL |
| 5b | Area under backfilling of mined out area | | NIL | |
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mined out area | | NIL | |
| 5d | Total area fully reclaimed & rehabilitated | | NIL | |
| 5e | General remarks of inspecting officer on backfilling, reclamation etc | Entire ROM is being utilizing by proper sizing & sorting as per buyer's specification & No OB/Waste generated. | | |

6.0 Progressive Mine Closure Plan

| SN | Item | Proposals- (2016-17) & 2017-18 | Actual work | Remarks |
|----|--|--|---|---------|
| 6a | Whether Annual report on PMCP submitted on time and correctly | Not submitted. | 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 | Not Proposed 0.05Ha 20 Plants --- -do- | NIL 0.05Ha 20 Plants N.A N.A | |
| 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 | Not Proposed | NIL | |
| 6d | Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation | -do- | NIL | |
| 6e | Compliance of Environmental monitoring (core zone & buffer zone) | Air quality monitoring was done as per IBM guideline | Air quality Monitoring is being periodically carried out. | |
| 6f | General remarks of inspecting officer on PMCP compliance & progressive | Lessee have been done the Plantation as proposed but rate of survival is poor due to scarcity of water etc . | | |

7.0 Mineral Conservation

| SN | Item | Proposals- (2016-17) & 2017-18 | Actual work | Remarks |
|----|--|--|--|---------|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | 2016-17-89,984T 2017-18-2,86,000T | 2016-17-73,600T 2017-18-2,54,533T Till Dec.17 | |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical | -do- | NIL | |
| 7c | Different grade of mineral sorted out at mines | -do- | NIL | |
| 7d | Any beneficiation process at mines | -do- | NIL | |
| 7e | General remarks of inspecting officer on Mineral conservation & beneficiation issues | Entire ROM is being utilizing by proper sizing & sorting as per buyer's specification & No OB/Waste generated. | | |

8.0 Environment

| SN | Item | Proposals- (2016-17) & 2017-18 | Actual work | Remarks |
|----|---|--|---------------------------------------|---------|
| 8a | Separate removal and utilization of topsoil (Rule 32) | Not Proposed | NIL | |
| 8b | Concurrent use or storage of topsoil | -do- | NIL | |
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 33) | -do- | NIL | |
| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | -do- | NIL | |
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | -do- | NIL | |
| 8f | Baseline information on existence of plantation & additional plantation done (Rule 41) | | NIL | |
| 8g | Survival rate | 20 Plants | 60-65% | |
| 8h | Water sprinkling on roads to control airborne dust | Regular water sprinkling on haul road | Regular water sprinkling on haul road | |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines are | Entire ROM is being utilizing by proper sizing & sorting as per buyer's specification & No OB/Waste generated. | | |

9.0 Compliance of Rule 45

| SN. | Item | COMMENTS | | Remarks |
|-----|---|--|--|---|
| | Status of submission of Online Monthly and Annual returns | M.R. Submitted up to till date –June-2017 A.R. submitted up to till date-2016-17. | | <i>Violation under provision of Rule 45(5)(b) & 45(5)(c) of MCDR,2017 pointed out for compliance & under process.</i> |
| S.N | Item | | Observation of I/Officer /Actual reported in Returns | |
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | Party has not been submitted the Online return for year 2016-17 | | |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | NIL | -- | |
| 9d | Scrutiny of Annual return on afforestation | NIL | -- | |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade & quantity) | NIL | -- | |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore | NIL | -- | |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price & production cost | NIL | -- | |
| 9i | Scrutiny of Annual return on fixed assets | NA | -- | |
| 9k | Scrutiny of Annual return on mining machineries | NIL | ---- | |

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: - *The mine was inspected on 09.1.2018 for MMP & violation of provision of Rules 45(5)(b),45(5)(c),33 ,55(1)(3) & 24(1) pointed out for rectification & under process.*