

## MCDR INSPECTION REPORT

### 1.0 GENERAL

| SN | Particulars   | Details  |
|----|---|--|
| 1  | Name of the Mine  | Ranavav Limestone Mine, (Sy. No.78/5/P)  |
| 2A | Inspecting officer with date, Type  | G.Ram, Sr.ACOM, 19/3/2019 , Star Rating/MCDR Inspection  |
| 2B | Accompanying official   | Sh. Deva Kara Bhutia, Lessee rep.  |
| 3  | Total Lease Area (Ha) with breakup of Non-forest and forest land  | Total area-12.14 Ha, Non-Forest land   |
| 4  | Mine code & IBM Registration Number under rule 45 of MCDR, 17   | 38GUJ21016 & IBM/8434/2012   |
| 5  | Name of the lessee, Address, phone, email and fax number  | Sh. Uday Singh M Jethwa, C/o-Gatral Bhavan, Satyam Park, Rajiv Nagar, Porbandar  |
| 6  | Village   | Ranavav  |
| 7  | Taluka/Mandal   | Ranavav  |
| 8  | District  | Porbandar  |
| 9  | Pin code  | 360 575  |
| 10 | State   | Gujarat  |
| 11 | Post office   | Ranavav  |
| 12 | Nearest police station  | Ranavav  |
| 13 | Nearest Railway station   | Ranavav  |
| 14 | Date of Grant of Mining Lease   | 10/2/1975, Expiry- 09/2/2025 for 50yrs as per MMDR Act 2015  |
| 15 | Date of Execution   | 18/2/1975  |
| 16 | Date of opening of Mine   | NA   |
| 17 | Date of first Renewal, if applicable and its period & expiry  | 05/07/1994   |
| 18 | Date of second Renewal, period & expiry   | 24/01/2014   |
| 19 | Date of submission of renewal application / deemed extension if any   | Period extended as per MMDR amendment act 2015 section 8A(5)(6) up to 09/2/2025  |
| 20 | Name of the Nominated Owner with Address, phone, email, fax number and date of appointment  | NA   |
| 21 | Name of the Mine Agent, Address, phone, email, fax & date of appointment  | NA   |
| 22 | Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines                                       | Shri Gajendar Sinh Vaghela, BE (Mining Engg.) WEF 01.2.2019 reported.  |
| 23 | Name of the ME, Qua. & Exp., Address, phone , email, fax, date of appointment   | Shri Gajendar Sinh Vaghela, BE (Mining Engg.) WEF 01.2.2019  |
| 24 | Whether Geologist & ME appointed in mines satisfy the rule 42, 43 & 44  | Geologist not appointed violation under provision of rules pointed out for rectification.  |
| 25 | Date of Approval of Mining Plan /Modified Mining Plan with five-year period and specific condition in approval letter, if any.          | 682(23) 955/99 MCCM (N) UDP dated 22.3.2000 for 2000-01 to 2004-05.  |
| 26 | Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any. | 682(23) (MS-362)/2006) MCCM (N) UDAI for 2006-07 to 2010-11 Dated-17.10.2006.<br>684(4) (1) MP-37(86/17)/2017) GNR for Jan, 18 to 2019-20. Dated-24.1.2018 |
| 27 | Mineral(s) granted in lease   | Limestone  |
| 28 | Method of Mining (O/C, U/G)   | Opencast   |
| 29 | Category (FM, Others or Manual)   | A-Others   |
| 30 | Captive/Non Captive   | Non-Captive  |

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

### 1.0 Exploration

| SN | Item                     | Proposals 2018-19 | Actual work  | Remarks |
|----|--------------------------|-------------------|--|---------|
| 1a | Backlog of previous year | --                | Lessee has dug four trial pit/trenches & presently 03 mining pits are existed of variable depth. |         |

|    |   |  |  |
|----|---|--|--|
| 1b | Exploration over lease area for Geological axis 1 or 2.         | 12.14Ha  | Entire lease area is not explored fully. Further exploration proposed in present plan period.          |
| 1c | Exploration Agency & Expenditure in lakh Rupees during the year | ---  | Lessee has dug four trial pit/trenches & presently 03 mining pits are existed of variable depth.       |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2  | 06 core borehole proposed in 2018-19 & 2020 in plan period   | Done as proposed for the year but not intimated to this office & violation pointed out for compliance. |
| 1e | Balance reserves as on 24.1.2018 (111, 121 & 122)               | Reserves (111,121&122)= 718625T, Remaining resources = 309000T, Total = 1027625T (Cement/Chemical grade limestone) |  |
| 1f | General remarks of inspecting officer                           | Presently 06 core boreholes proposed in present plan period & lessee has been carried out core boreholes partly.   |  |

### 1.0 Development

| SN | Item  | Proposals 2018-19  | Actual work   | Remarks   |
|----|---|--|---|---|
| 2a | Location of development w.r.t. lease area   | It was proposed to work in Pit No.1&2 as earmarked in plate No 6A  | Excavation carried out in lower benches/levels of south pits (Pit No.1&2) & North East pits also beyond proposal. | Violation under provision of rule 11(1) pointed out for rectification/change of place of working. |
| 2b | Separate benches in topsoil, overburden and mineral (Rule 15)                           | Proposed for removing separately.  | Topsoil & OB removing separately.   |   |
| 2c | Stripping ratio or ore to OB ratio  | 1:0.0  | 1:0.0   |   |
| 2d | Quantity of topsoil generation in m3  | Not Proposed   | NIL   |   |
| 2e | Quantity of overburden generation in m3   | Not Proposed   | NIL   |   |
| 2f | General remarks of inspecting officer on development of pit w.r.t. type of deposit etc. | During inspection mine was not working & reported discontinued. Violation of provision of Rule 45(5), 28 (1), 31(4) & 26(2) pointed out for rectification. |   |   |

### 2.0 Exploitation

| SN | Item   | Proposals 2018-19   | Actual work   | Remarks   |
|----|--|---|---|---|
| 3a | Number of pits proposed for production (Plate no 5A to 5E)                               | 01 Pit, It was proposed to work in Pit No.2 & Pit No.3&4 as earmarked in plate No 6 for the year. | Excavation carried out in lower benches/levels of south pits (Pit No.1&2) & North East pits also. | Violation under provision of rule 11(1) pointed out for change of place of working. |
| 3b | Quantity of ROM mineral production proposed  | 125000T   | 126000T   | Entire ROM is saleable & utilises.  |
| 3c | Recovery of saleable/usable mineral from ROM production                                  | Not Proposed  | NIL   |   |
| 3d | Quantity of mineral reject generation  | Not Proposed  | NIL   |   |
| 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                              | Manual / mechanised   | Manual / mechanised   | Size separation is done by crusher  |
| 3i | Any analysis or beneficiation study proposed & carried out for sub-grade/ mineral reject | Not Proposed  | Not done  | -   |
| 3j | Provision of drilling & blasting in mineral benches                                      | J/H drilling & blasting as and when requires  | As proposed   | -   |
| 3k | Provision of mining machineries in mineral benches                                       | Rock breaker/Excavator loader tipper combination.   | Excavator/breakar-01 JCB-01, Tipper-02 etc.   |   |

|    |   |  |  |  |
|----|---|--|--|--|
| 3l | Whether height of benches in OB & mineral suitable for method of mining proposed  | mechanised working with regular bench height   | Irregular bench height   |  |
| 3m | Total area covered under excavation/pits  | About 0.45Ha. Total 1.05Ha area proposed in present plan period 2018-19 & 2019-20                        | About 0.5Ha. Total excavated area is about 3Ha                       |  |
| 3n | Ore to OB ratio for the pit/mine during the year                                  | 1:0.0  | 1:0.0  |  |
| 3o | Total area put in use under different heads at the end of year (as on 31.03.2018) | Pit- 2.55 Hect. Stack-0.01Ha, Infra-0.02Ha, Road-0.22Ha Plantation-0.13Ha                                | Pit-3.0Ha, Stack-0.01Ha, Infra-0.03Ha, Road-0.22Ha Plantation-0.20Ha | Court Case /Prosecution launched against lessee for without MP/MS & under process. No proposal from April, 17 to Dec, 18 |
| 3p | Production of ROM mineral during last five-year period, as applicable             | 2014-15-NA<br>2015-16-NA<br>2016-17-NA<br>2017-18 -25000T (Jan-March)<br>2018-19-125000T                 | 20540T<br>5600T<br>84350T<br>25000T<br>126000T                       |  |
| 3q | General remarks of inspecting officer on method of mining etc.                    | Presently violation of provisions of Rules 11(1), 45(1), 45(7) & 47&48, 33 & 26(2), 55(1)(3) pointed out |  |  |

### 3.0 Solid Waste Management-Dumping

| SN | Item  | Proposals 2018-19  | Actual work                         | Remarks |
|----|---|--|-------------------------------------|---------|
| 4a | Separate dumping of topsoil, OB/Mineral reject (Rule 32, 33)      | Not Proposed   | Topsoil is not generated presently. |         |
| 4b | Location of topsoil, OB & mineral reject dumps                    | Not Proposed   | NIL                                 |         |
| 4c | Number of dumps within lease area and outside lease area          | Not Proposed   | NIL                                 |         |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16)             | Not Proposed   | NIL                                 |         |
| 4e | Number of active & alive dumps                                    | Not Proposed   | NIL                                 |         |
| 4f | Number of dead dumps  | NA   | Nil                                 |         |
| 4g | Number of dumps stabilised  | Not applicable   | NIL                                 |         |
| 4h | Whether Retaining wall or garland drain all along dumps are there | -  | NIL                                 |         |
| 4i | Length of Retaining wall or garland drain all along dump          | Not applicable   | NIL                                 |         |
| 4j | Number of settling ponds  | Not proposed   | NIL                                 |         |
| 4k | Specific comments of inspecting officer                           | No OB/Waste/Topsoil proposed & generated in present plan period. |                                     |         |

### 4.0 Solid Waste Management-Backfilling

| SN | Item   | Proposals 2018-19  | Actual work | Remarks |
|----|--|--|-------------|---------|
| 5a | Status on part or full extraction of mineral from mined out area before starting backfilling | Not Proposed   | NIL         |         |
| 5b | Area under backfilling of mined out area   | Not Proposed   | NIL         |         |
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)      | Not Proposed   | NIL         |         |
| 5d | Total area fully reclaimed & rehabilitated   | Not Proposed   | NIL         |         |
| 5e | General remarks of inspecting officer on backfilling, reclamation etc.                       | No OB/Waste/Topsoil proposed & generated in present plan period. |             |         |

### 6.0 Progressive Mine Closure Plan

| SN | Item   | Proposals 2018-19  | Actual work  | Remarks  |
|----|--|--|--|--|
| 6a | (1) Whether Annual report on PMCP submitted on time and correctly Rule 26 (2). Details should be given in the format.  | Proposed   | Annual report on PMCP is not submitted.                  | Violation under provision of rule 26(2) pointed out. |
| 6b | Management of worked/mined out benches<br>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                                  | Not proposed   | NIL  |  |
| 6d | Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation   | 100 No & 0.05Ha area proposed within 7.5m of barrier   | 100 Nos. & 0.05Ha Within 7.5m barrier & near mine office |  |
| 6e | Compliance of Environmental monitoring (core zone/buffer zone)   | As per IBM/MoEF guidelines proposed.   | Being done as per guidelines.                            |  |
| 6f | General remarks of inspecting officer on PMCP compliance & progressive   | Presently violation of provisions of Rules 11(1), 45(1), 45(7) & 47 & 48, 33 & 26(2), 55(1)(3) pointed out |  |  |

### 7.0 Mineral Conservation

| SN | Item   | Proposals 2018-19   | Actual work                   | Remarks   |
|----|--|---|-------------------------------|---|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area                       | 125000T (2018-19)   | 126000T (2018-19)             | Lessee is utilizing entire ROM by proper sorting & sizing as per plant requirement. |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical                     | Not proposed  | Manual & Mechanised both      |   |
| 7c | Different grade of mineral sorted out at mines                                     | Proposed for sizing & sorting, stacking   | Stacking for sizing & sorting |   |
| 7d | Any beneficiation process at mines   | Not proposed  | NIL                           |   |
| 7e | General remarks of inspecting officer on Mineral conservation & beneficiation etc. | Lessee is utilizing entire ROM by proper stacking, blending, sorting & sizing as per buyer's specification. |                               |   |

### 8.0 Environment

| SN | Item   | Proposals 2018-19   | Actual work  | Remarks   |
|----|--|---|--|---|
| 8a | Separate removal & utilization of topsoil (Rule 32)  | Not proposed  | NIL  | Whatever little top soil is generated, directly used for plantation purposes. |
| 8b | Concurrent use or storage of topsoil   | Not proposed  | NIL  |   |
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 33)                                     | Not proposed  | NIL  |   |
| 8d | Use of OB, waste rock, rejects and fines dumps for restoring the land to its original.                     | Not proposed  | NIL  |   |
| 8e | Phased restoration, reclamation & rehabilitation of lands affected by mining operations (Pits, dumps etc.) | No proposal   | NIL  |   |
| 8f | Baseline information on (Rule 41) existence of plantation & additional plantation done                     | Proposal for plantation with in 7.5m of statutory barrier etc.  | Plantation is carried out with 7.5m /mine office area etc. |   |
| 8g | Survival rate  | NA  | About 85%  |   |
| 8h | Water sprinkling on roads to control airborne dust   | Water spraying on haul road is provided   | Water spraying on haul road                                |   |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines are                          | Presently no OB/topsoil is reported for generation. However lessee has been utilising the topsoil for plantation purposes only. |  |   |

### 9.0 Compliance of Rule 45

| S.N   | Item  | COMMENTS   |  | Remarks  |
|---|---|--|--|--|
|   | Status of submission of Monthly and Annual returns  | M.R. submitted up to –Feb. 2019 (04/3/19)<br>A.R. submitted up to- 2017-18 (09/06/18)      |  |  |
| S.N   | Item  | Details GIVEN in A.R.  | Observation of I/O   | Remarks  |
| 9b  | Scrutiny of Annual return for information on Mining Engineer, Geologist & Manager             | Sh. Amit Manoharlal Bhati, ME & Sh. Bibukhan Bhanvar khan, Geologist given.                | Not working presently & Violation of provisions of Rules 55(1)(3)(1) pointed out for rectification .   |  |
| 9c  | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Area covered under current O/C working – 1.125Ha and other land used details are not given | **Scrutiny of annual return for the year 2017-18 has been carried out & deficiencies pointed out to lessee for rectification. Further requested to MMS division of referred back | Copy of sale invoice was not provided during inspection. |
| 9d  | Scrutiny of Annual return on afforestation  | No of trees planted: 25 No survival rate of 85%  |  |  |
| 9e  | Scrutiny of Annual return on mineral reject generation (Grade & quantity)                     | There is no mineral rejects during the year 2017-18  |  |  |
| 9f  | Scrutiny of Annual return on ROM stock and/or graded ore                                      | Opening stock-7493.86T, ROM-199560T, dispatch-206033.2T, Closing stock-1020.66T            |  |  |
| 9g  | Scrutiny of Annual return on sale value, Ex. Mine price & production cost                     | Ex. Mine price–304.88Rs. /T (Chemical) , Cost of production-230Rs/T,                       |  |  |
| 9i  | Scrutiny of Annual return on fixed assets   | Not given  |  |  |
| 9k  | Scrutiny of Annual return on mining machineries   | Type of HEMM is not reported properly  |  |  |
| <p><b>** Part-I, Sr No.1 (f) fax number/ phone number &amp; Sr.No.2 Post office and taluka is not given. Sr.No 6 &amp; 7 Name of agent &amp; manager is left blank. Part-I, Sr No.12, area exploited is given as 1.125 Ha whereas actual area is about 2ha or more appears to be exploited with in lease area. Area occupied by plant/building, roads &amp; green belt/afforestation etc are not shown. It needs correction. Part-II, Sr No.3 (i) A-C, ROM production reported for the year but opencast face worker &amp; loader shown zero, which is incorrect. It needs correction. Part-III, value of fixed assets &amp; overheads costs are shown zero which is incorrect. Electricity &amp; Tyres &amp; spares and stores are shown zero which is in correct. Part-IV-Total quantity of Overburden reported is left blank. It needs correction. Part-V, Sec-5/6/8/9-HEMM capacity used in mine &amp; proposed in approved mining plan are not same. It needs correction. Part-VI, Sr.No.2,4- Computation of Ex-mine price/PMV/Cost of Production is not taken correctly &amp; no Sale invoice copies submitted &amp; reported to this office. It needs correction. Part-VII- Sr No. (5) Entire ROM is reported for sale as chemical grade but copy of sale invoice is not provided. Registration of Hi Bond Cement is shown as zero which is incorrect. Cost of production &amp; their details break up is not provided during inspection. Production proposal for financially year 2017-18 is shown as zero, which is not correct.</b></p> |   |  |  |  |

**10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:** - Presently violation of provisions of Rules 11(1), 45(1), 45(7) & 47&48, 33 & 26(2), 55(1)(3) pointed out regarding exploration & registration and discrepancies in annual return 2017-18 & monthly return of Feb, 19 for rectification. Presently mine was inspected for evaluation of online star rating templates/MCDR inspection.

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