

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/SRH-9/LIM-9

Mine code : 38RAJ24006

- (i) Name of the Inspecting : **S012**) **Sharma H.C.**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sh. Rahul Goyal, Managing Partner
Official with
Designation
- (iv) Date of Inspection : 12-MAR-20
- (v) Prev.inspection date : 07-FEB-18

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **WATERA 53/11**
- (b) **Registration NO.** : **IBM/15616/2013**
- (c) **Category** : **A Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **RAJASTHAN**
- District : **SIROHI**
- Village : **WATERA**
- Taluka : **PINDWARA**
- Post office :
- Pin Code :
- FAX No. :
- E-mail : **cement.acl@yahoo.com**
- Phone : **8238057492**
- (f) **Police Station** : **Pindwara**
- (g) **First opening date** : **24-SEP-13**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **M/S Maharaja International, Prop. Rahul Goyal,
Near Sales Tax Check Post, Highway no 14,
Post Amirgarh, Banaskhantha (Gujrat)**
3. (a) **Lease Number** : **RAJ5029**
- (b) **Lease area** : **4**
- (c) **Period of lease** : **50**
- (d) **Date of Expiry** : **29-DEC-63**
4. **Mineral worked** : **LIMESTONE** **Main**

5. Name and Address of the

Lessee : MAHARAJA INTERNATIONAL UNIT OF PAVAN
SALE TAX CHECKPOINT NH-14,
AMIRGADH CITY PALANPUR
BANASKANTHA GUJARAT
Phone:
FAX :

Owner : Rahul Goyal
Sh. Rahul Goyal, M/S
Maharaja Inter- national,
near sales tax check post
Amirgarh, Palanpur City,
Banaskanta BANASKANTHA
GUJARAT
Phone: 8058585225 (M)
FAX :

Agent : NONE
NONE NONE NONE JHALAWAR
RAJASTHAN
Phone:
FAX :

6. Date of approval of Mining : MP review under 17(1) MCR 2016 27-MAR-18
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|---|--|---|---------|
| 1a | Backlog of previous year | No exploration proposal for the year 2018-19. | Not applicable | |
| 1b | Exploration over lease area for geological axis 1 or 2 | G- 1 1.98ha & 2.02 ha proposed for exploration during 2019-20 & 2020-21. | G- 1 1.98ha & 2.02 ha proposed for exploration during 2019-20 & 2020-21. | |
| 1c | Exploration Agencies and Expenditure in lakh rupees during the year | None, yet to be selected on quotation basis. | None, yet to be selected on quotation basis. | |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2 | 4.0 ha | 4.0 ha | |
| 1e | Balance reserve as on 01/04/20 | 1197962 T | Couldnot estimate the depletion due to non working conditions. | |
| 1f | General remarks of inspecting officers on geology, exploration etc | Not applicable | The entire hillock needs to be explored under G1 category & proposal for same had been made in 2019-20 & 2020-21. | |

Development :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|--|---|--|---------|
| 2a | Location of development w.r.t.lease area | Proposed working between 194 S to 350 S & 24 W to 112 W | No mining activities at the proposed location. | |
| 2b | Separate benches in topsoil, overburden and minerals (Rule 15) | No proposals | Not applicable | |
| 2c | Stripping ratio or ore to OB ratio | 1:0.25 | Not applicable as no working made | |
| 2d | Quantity of topsoil generation in m3 | Nil | Nil | |

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|----|---|----------------|---|
| 2e | Quantity of overburden generation in m3 | Nil | Not applicable as no working made |
| 2f | General remarks of inspecting officers on development of pit w.r.t. type of deposit etc | Not applicable | The opencast method had been selected for carrying out mining operations in the lease area. |

Exploitation:

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|---|--|--|---------|
| 3a | Number of pit proposed for production | Single | Single | |
| 3b | Quantity of ROM mineral production proposed | 84,500 T | NIL Mining | |
| 3c | Recovery of sailable/usable mineral from ROM production | 67,600 T | No mining | |
| 3d | Quantity of mineral reject generation | 16,900 T | No Mining carried out. | |
| 3e | Grade of mineral rejects generation and threshold value declared. | Having MgO > 5%. | Not applicable | |
| 3f | Quantity of sub grade mineral generation. | NO proposal | Not applicable | |
| 3g | Grade of sub grade mineral generation | Not applicable | Not applicable | |
| 3h | Manual / Mechanised method adopted for segregating from ROM | Mechanised other than fully mechanised | Mechanised other than fully mechanised | |
| 3i | Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects. | No proposal | Not applicable | |

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| 3j | Provision of drilling and blasting in mineral benches | Drilling was proposed to be done by Jack hammer of 32 mm dia bits. | NO work |
| 3k | Provision of mining machineries in mineral benches | One Backhoeof 0.9 m3 capacity | NO such M/C seen at site as mine was closed. |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | Yes | No workings |
| 3m | Total area covered under excavation/pits | 0.061 hect. | Not reported |
| 3n | Ore to OB ratio for the pit/mine during the year. | 1:0.25 | Mine closed |
| 3o | Total area put in use under different heads at the end of year | 0.751 hect. | about 0.751 hect. |
| 3p | Production of ROM mineral during the last five year period as applicable | 2013-14- Nil, 2014-15- 1722.71 T, 2015-16- 35.2 T, 2016-17 Nil, 2017-18- Nil, 2018-19- 67600 T | 2013-14- Nil, 2014-15- 1722.71 T, 2015-16- 35.2 T, 2016-17 Nil, 2017-18- Nil, 2018-19- Nil |
| 3q | General remarks of inspecting officers on method of mining etc. | Not applicable | The opencast method is deployed which is suitable to the type of deposite. |

Solid Waste Management - Dumping:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|--|--|---------|
| 4a | Separate dumping of topsoil, OB and mineral rejects (Rule 32,33) | Waste dump was proposed in lease area. | NO mining operations carried out during 2018-19. | |

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|----|--|--|--|
| 4b | Location of topsoil, OB and mineral reject dumps | Waste dump was proposed between 08 E - 55 E 20 S- 60 S | No Work in the mine. |
| 4c | Number of dumps within lease area and outside of lease area | one | NO work done no waste generated for duping. |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16) | One within UPL | NO Work, no Dump. |
| 4e | Number of active and alive dumps. | Single | Single as earmarked. |
| 4f | Number of dead dumps. | None | Nil |
| 4g | Number of dumps established. | None | Nil |
| 4h | Whether Retaining wall or garland drain all along dumps are there. | No dump observed in the area. | Not applicable |
| 4i | Length of Retaining wall or garland drain all along dumps | Not applicable | Not applicable |
| 4j | Number of settling ponds | None | Nil |
| 4k | Specific comments of inspecting officer on waste dump management | Not applicable | The mineral is outcropping, what ever waste generated had been used in Road Making. No dumps observed. |

Solid Waste Management - Backfilling:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|-----------------|-----------------|---------|
| 5a | Status of part or full extraction of mineral from mined out area before starting backfilling. | Full extraction | Full extraction | |
| 5b | Area under backfilling of mined out area | No proposals | Not applicable | |

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|----|---|----------------|--|
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32) | No proposals | Not applicable |
| 5d | Total area fully reclaimed and rehabilitated | No proposals | Not applicable |
| 5e | General remarks of inspecting officers on backfilling and reclamation etc. | Not applicable | No matured area available for backfilling & Reclamation. |

Progressive Mine Clousre Plan:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|--------------------------|----------------|---------|
| 6a | Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2). | Yes as Per Rule | Not submitted. | |
| 6b | Area available for rehabilitation (ha) . | 0.061 ha, No proposal | Not applicable | |
| 6c | afforestation done (ha). | 0.02 hect | 0.02 hect | |
| 6d | No. of saplings planted during the year | 50 plants was proposed | 30 Planted | |
| 6e | Cumulative no .of plants | NO information available | Not applicable | |
| 6f | Any other method of rehabilitation | No proposal | Not applicable | |
| 6g | Cost incurred on watch and care during the year | No proposal | Not applicable | |
| 6h | Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D | No proposal | Not applicable | |

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|----|---|---|----------------|
| 6i | Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings | No proposal | Not applicable |
| 6j | Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area | No proposal | Not applicable |
| 6k | Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir | No proposal | Not applicable |
| 6l | Compliance on reclamation and rehabilitation by backfilling (v) any other specific means. | No proposal | Not applicable |
| 6m | Compliance of rehabilitation of waste land within lease (i) afforestation | No proposal | Not applicable |
| 6n | Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha) | No proposal | Not applicable |
| 6o | Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation | No proposal | Not applicable |
| 6p | Compliance of environmental monitoring (core zone and buffer zone) | AS per MOEF & Consent conditions of SPCB. | Being done |

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| 6q | General remarks of inspecting officers on PMCP compliance and progressive closure operations etc. | Not applicable | The work in the mne was closed so implementation of proposals were also not complied with. |
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Mineral Conservation:

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|--|----------------------------------|---|---------|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | None Dispatched from lease area. | Not applicable | |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical. | Mechanized | Mechanized | |
| 7c | Different grade of mineral sorted out at mines. | Single grade | Single Grade | |
| 7d | Any beneficiation process at mines | NO proposal | Not applicable | |
| 7e | General remarks of inspecting officer on Mineral conservation and beneficiation issues | Not applicable | The mine is closed, as such there is no mineral conservation issue. | |

Environment:

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|---|---|----------------|---------|
| 8a | Separate removal and utilization of topsoil (Rule 32) | No proposals as mineral is outcropping. | Not applicable | |
| 8b | Concurrent use or storage of topsoil | No proposals | Not applicable | |

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|----|---|---|---|
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 33) | No proposals | Not applicable |
| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | No proposals | Not applicable |
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | No proposals | Not applicable |
| 8f | Baseline information on existence of plantation and additional plantation done (Rule 41) | No proposals | Not applicable |
| 8g | Survival rate | 60% | 60% |
| 8h | Water sprinkling on roads to control airborne dust | Mine was closed, no such water tanker was observed. | Not applicable |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area | Not applicable | The general aesthetic beauty in & around mine was satisfactory. |

Compliance of Rule 45:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|----------------|---|---------|
| 9a | Status of submission of Monthly and Annual returns | Not applicable | Monthly returns submitted up to March 2020. Nil production reported since June 2019. I. E, Last Production reported in May 2019. The Annual Return submitted up to 2018-19. | |

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|----|---|---|----------------------|
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | No Mining Engineer, No Manager & no geologist employed. | The mine was closed. |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Details furnished of the land use of the area. | Found OK |
| 9d | Scrutiny of Annual return on afforestation | 20 planted within lease & 30 outside lease with survival rate of 60 %. | Found O.K. |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade and quantity) | The reject generation stated as NIL | Found O. K. |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore | The opening stock was nil, production stated Nil, Despatch Nil & Closing balance also as NIL. | Found OK. |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price and production cost | All the figures stated as NIL in this closed mine. | Found OK. |
| 9h | Scrutiny of Annual return on fixed assets | The information stated as NIL for this closed Mine. | Found O. K. |
| 9k | Scrutiny of Annual return on mining machineries | A back hoe of 0.9 cu m bucket capacity stated to be deployed. | Found O. K. |

Details of violations observed during current inspection and compliance position of violation pointed out

| Violation observed | | Show cause position | |
|--------------------|-------------------------|---------------------|-------------------------|
| Rule NO. | Issued on Compliance on | Rule NO. | Issued on Compliance on |
| | | | |

Date :

(Sharma H.C.)

Indian Bureau of Mines