

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/SRH-8/LIM-8

Mine code : 38RAJ24007

- (i) Name of the Inspecting : **S012**) **Sharma H.C.**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sh. Rahul Agarwal, Partner
Official with
Designation
- (iv) Date of Inspection : 13-MAR-20
- (v) Prev.inspection date : 07-FEB-18

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **WATERA 54/11**
- (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 : **WATERA**
- Pin Code :
- FAX No. : **02742232050**
- E-mail : **Cement.acl@gmail.com**
- Phone : **8238057498**
- (f) **Police Station** : **Rohida**
- (g) **First opening date** : **24-SEP-13**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **Near sales tax check post, National High Way 27,
Amirgarh City, Palanpur,
Disstt.- Banaskantha (Gujrat)- 385130**
3. (a) **Lease Number** : **RAJ5030**
- (b) **Lease area** : **4.71**
- (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 Plan/Scheme of Mining : MP review under 17(1) MCR 2016 27-MAR-18

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal for the year 2018-19.	Not applicable	
1b	Exploration over lease area for geological axis 1 or 2	8 B/H proposed to be drilled during 2019-20 covering 2.33 ha area & 9 B/H proposed to be drilled during 2020-21 covering 2.3821 ha.	8 B/H proposed to be drilled during 2019-20 covering 2.33 ha area & 9 B/H proposed to be drilled during 2020-21 covering 2.3821 ha.	
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	4.7121 ha	4.7121 ha	
1e	Balance reserve as on 01/04/20	1197962 T	1197962 T	
1f	General remarks of inspecting officers on geology, exploration etc	Not applicable	The proposed exploration by drilling B/H are yet to be 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 could be done.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposals	No mining activities	
2c	Stripping ratio or ore to OB ratio	1:0.25	Not applicable as no workings done	

2d	Quantity of topsoil generation in m3	Nil	Nil
2e	Quantity of overburden generation in m3	Nil	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Not applicable	The mining operations were closed & development work could not be made as per approved mining plan.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single	No mining activities during the years.	
3b	Quantity of ROM mineral production proposed	84,500 T	No mining activities during the years.	
3c	Recovery of sailable/usable mineral from ROM production	67,600 T	No mining activities during the years.	
3d	Quantity of mineral reject generation	16,900 T	No mining activities during the years.	
3e	Grade of mineral rejects generation and threshold value declared.	Having MgO > 5%.	No mining activities during the years.	
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	Mechanized	Mechanized	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Not applicable
3j	Provision of drilling and blasting in mineral benches	Drilling was proposed to be done by Jack hammer of 32 mm dia bits.	No mining activities during the year.
3k	Provision of mining machineries in mineral benches	One Backhoeof 0.9 m3 capacity	No mining activities during the year.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes
3m	Total area covered under excavation/pits	0.061 hect.	0.061 hect.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.25	No workings made
3o	Total area put in use under different heads at the end of year	0.751 hect.	0.751 hect.
3p	Production of ROM mineral during the last five year period as applicable	2014-15- 1722.71 T, - 2015-16- 35.2 T, 2016-17- Nil, 2017-18- Nil, 2018-19 - 800000T.	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 adopted for carrying out mining operations in the area.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Waste dump was proposed in lease area.	No mining activity during the year.
4b	Location of topsoil, OB and mineral reject dumps	Waste dump was proposed between 08 E - 55 E , 20 S- 60 S	No mining activity during the year.
4c	Number of dumps within lease area and outside of lease area	Single	No mining activity during the year.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No dumps made	No mining activity during the year.
4e	Number of active and alive dumps.	Nil	Nil
4f	Number of dead dumps.	Nil	Nil
4g	Number of dumps established.	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Not applicable	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 workings in the mine remain closed & as such no waste generated requiring its dumping.

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.	No proposals for backfilling was given in RMP	Not applicable	

5b	Area under backfilling of mined out area	No proposals	Not applicable
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 hect	0.061 hect	
6c	afforestation done (ha).	0.02 hect	Nil hect	
6d	No. of saplings planted during the year	50 plants was proposed	Nil planted	
6e	Cumulative no .of plants	40 nos	NIl	
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	

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 condition of SPCB.	As per MOEF & Consent condition of SPCB.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Not applicable	The workings were closed, as such the implementation of PMCP was poor.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Production proposed was 80000 T	Production & despatch were Nil.	
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 was closed as such there was no issue of conservation of mineral.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposals	Not applicable	
8b	Concurrent use or storage of topsoil	No proposals	Not applicable	

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)	Proposal for 50 plants was given in RMP	Nil planted
8g	Survival rate	Nil	Nil
8h	Water sprinkling on roads to control airborne dust	yes	Mine was closed.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Not applicable	The general aesthetic beauty in & around the mine was satisfactory.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Not applicable	M.R Submitted upto March 2020, Nil production reported since June 2019. A.R. Submitted upto Year 2018-19	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	No mining engineer, mine manager or Geologist employed as stated.	The mine was closed.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details furnished about land use pattern of the area.	Found O. K.
9d	Scrutiny of Annual return on afforestation	Nil plantation stated	Nil planted.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil Reject generation stated.	found O K as Mine was closed.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	The opening stock, Production of ROM, Despatch of ROM & closing stock stated as Nil.	Found O. K. as mine was closed.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The Ex Mine Price, sale value & Cost of production stated as Nil.	The mine was closed
9h	Scrutiny of Annual return on fixed assets	The value of fixed assets & its depreciation stated as Nil.	The mine was closed.
9k	Scrutiny of Annual return on mining machineries	The backhoe of 0.90 Cu M capacity was stated.	The mine was closed.

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