

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

**MCDR INSPECTION REPORT**

**Ajmer regional office**

**Mine file No :** RAJ/NGR-22/LST-8

**Mine code :** 38RAJ20006

- (i) Name of the Inspecting : **S012** ) **Sharma H.C.**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sh. Ganpat Ram, Mining Engineer  
Official with  
Designation
- (iv) Date of Inspection : 11-SEP-16
- (v) Prev.inspection date : 27-FEB-16

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **CHAWANDIA**
- (b) **Registration NO.** : **IBM177/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :  
State : RAJASTHAN  
District : NAGPUR  
Village : MADPURA  
Taluka : KHINWSAR  
Post office : MADPURA  
Pin Code : 342025  
FAX No. :  
E-mail : mwmmines@gmail.com, drrsg@m  
Phone : 01126533367
- (f) Police Station : PANCHORI
- (g) First opening date : 08-AUG-93
- (h) Weekly day of rest : SUN
2. Address for : M.W.MINES PVT LTD  
correspondance : 138,UMAID HERITAGE,  
FOOT HILL OF UMAID BHAWAN, JODHPUR
3. (a) Lease Number : RAJ0018
- (b) Lease area : 335.3
- (c) Period of lease : 20
- (d) Date of Expiry : 30-JUL-11
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : M W MINES PRIVATE LTD.  
 SCO 164-165. SECTOR 9C  
 MADHYA MARG, CHANDIGARH  
 UNIDENTIFIED CHANDIGARH  
 Phone:01126533367  
 FAX :

Owner : Dr R. S. GREWAL  
 M/S M W Mines Pvt Ltd, 010,  
 GROUND FLOOR SARVAPRIYA  
 VIHAR APPARTMENTS,  
 SARVAPRIYA VIHAR, DELHI  
 DELHI DELHI  
 Phone: 01126533367  
 FAX :

Agent : Dr. Hari Handi  
 M W Mines Pvt. Ltd. 138  
 Umaid Heritage, Foothill of  
 Umaid Bhawan Palace,  
 Jodhpur (raj) JODHPUR  
 RAJASTHAN  
 Phone:  
 FAX :

## Mining Engineer

Name : GANPAT RAM, Full Time  
 Qualification : B E (MINING)  
 Appointment/ : 01-SEP-16  
 Termination date

## Geologist

Name : Dr. Hari Handi, Full Time  
 Qualification : Ph. D (GEOLOGY)  
 Appointment/ : 16-NOV-16  
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	25-JAN-96
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	11-JUL-06
	:	Renewal under rule 24 MCR1960	18-MAY-12

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	There was no exploration proposed for R Y 2015-16.	A total of 7 B/h drilled during the R Y.	
1b	Exploration over lease area for geological axis 1 or 2	G 1 Level	Being done for G1 level, as well before starting backfilling.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified.	Exploration carried out by M/S Holtech & expenditure incurred Rs 25 Lacs.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	287.89 hects	287.89 hects	
1e	Balance reserve as on 01/04/20	30652494 T in Proved 111 category.	31944734 T in proved 111 Category.	
1f	General remarks of inspecting officers on geology, exploration etc	Not applicable	The work done towards exploration was satisfactory.	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit No 1--->500N to 100N & Pit No 2----> 200N to 600N	Being done	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes separate bench in top soil, & mineral have been proposed.	yes being done	
2c	Stripping ratio or ore to OB ratio	1:0.74	1: 0.40	
2d	Quantity of topsoil generation in m3	79835 Cu M	45000 Cu M	
2e	Quantity of overburden generation in m3	487761 Cu M	105000 Cu M	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Not Applicable	The production was less & in proportion top soil generation & O/B was less. Therefore the development work is lagging.
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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two pits namely Pit- 1 & pit 2.	Two pits worked.	
3b	Quantity of ROM mineral production proposed	760186T	417586 T	
3c	Recovery of sailable/usable mineral from ROM production	85%	89.7%	
3d	Quantity of mineral reject generation	196886 T	42973 T	
3e	Grade of mineral rejects generation and threshold value declared.	Mgo ----> 11-15%	Mgo ----> 11-15%	
3f	Quantity of sub grade mineral generation.	62738T	Nil	
3g	Grade of sub grade mineral generation	Not specified	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized Method	Mechanized Method	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal except screening	Screening	
3j	Provision of drilling and blasting in mineral benches	yes	yes	

3k	Provision of mining machineries in mineral benches	yes	yes, excavator & Dumper combination.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Soil is 2m to 3m & limestone 4m to 6m, the height of bench in top soil 2- 3m & in mineral 3 to 4m.	The height of bench in top soil & in mineral are suitable for mining method as per proposals.
3m	Total area covered under excavation/pits	3.6475 Hects.	3.6 hectcs.
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.74	1: 0.40
3o	Total area put in use under different heads at the end of year	27.63 ha excavation, 3.4 ha soil dump & 2 ha plantation.	26.3 ha excavation, 3.3 ha soil dump & 2 ha plantation.
3p	Production of ROM mineral during the last five year period as applicable	2012-13-- 225525T, 2013- 14--400000 T, 2014-15--- 560000 T, 2015-16--- 760000 T	2012-13--76964 T, 2013- 14--8600.7 T, 2014-15--- 193106 T, 2015-16--- 374614 T
3q	General remarks of inspecting officers on method of mining etc.	Not Applicable	The method of mining is suitable to the type of deposit. Backfilling of O/B waste started in pit 1 after proving it devoid of mineral in depth by putting boreholes at pit bottom.

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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	Being done	
4b	Location of topsoil, OB and mineral reject dumps	Top soil dump in North east side of pit 1. waste stacked near it. Other one located near pit 2.	Top soil dump in North east side of pit 1. waste stacked near it. Other one located near pit 2.	

4c	Number of dumps within lease area and outside of lease area	Three dumps within lease area & UPL	Three dumps within lease area & UPL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	360 N to 560 N & 950E to 1070E	Being done as per proposal, also the backfilling started after proving non availability at depth by putting B/H.
4e	Number of active and alive dumps.	Two active dumps near pit 1 & pit 2	Two active dumps near pit 1 & pit 2
4f	Number of dead dumps.	One dead dump	One dead dump
4g	Number of dumps established.	One	One
4h	Whether Retaining wall or garland drain all along dumps are there.	To Provide garland drain	Garland drain provided.
4i	Length of Retaining wall or garland drain all along dumps	Not specified in Mining Plan.	750m Garland drain provided along the dumps.
4j	Number of settling ponds	Two nos	Two nos
4k	Specific comments of inspecting officer on waste dump management	Not applicable	The retaining wall along dead dump had been provided & garland drain provided along active dumps. General house keeping of dumps is satisfactory.

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#### 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 in approved mining plan.	Not applicable	
5b	Area under backfilling of mined out area	No proposals in approved mining plan.	About 0.1 ha backfilling started in 2016-17 after proving non availability of mineral at depth by putting boreholes at pit bottom.	

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposals in approved mining plan.	Top soil spread over backfilled part in 2016-17.
5d	Total area fully reclaimed and rehabilitated	No proposals in approved mining plan.	Not applicable
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Not applicable	There were no proposals in approved mining plan for backfilling & reclamation. However about 0.1 ha backfilling started in 2016-17 after proving non availability of mineral at depth by putting boreholes at pit bottom.

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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).	Annual report on PMCP to be submitted.	Not submitted	The deviation had been pointed out as VL.
6b	Area available for rehabilitation (ha) .	No proposals in approved mining plan.	Nil & Not applicable	
6c	afforestation done (ha).	No proposals in approved mining plan.	Not applicable	
6d	No. of saplings planted during the year	No proposals in approved mining plan.	Nil	
6e	Cumulative no .of plants	No proposals in approved mining plan.	Nil	
6f	Any other method of rehabilitation	No proposals in approved mining plan.	Not applicable	
6g	Cost incurred on watch and care during the year	No proposals in approved mining plan.	Not Reported	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposals in approved mining plan.	No matured land available for backfilling during the R Y, now they have started backfilling over an area of 0.1 ha.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposals in approved mining plan.	About 0.1 ha area had been backfilled during 2016-17 as on date of inspection.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No proposals in approved mining plan.	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposals in approved mining plan.	None
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposals in approved mining plan.	Not applicable
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	500 No of saplings proposed to be planted during RY 2015-16.	450 Nos of saplings planted during the year.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	5 Hects	Being done
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not Specified	Not applicable



6p	Compliance of environmental monitoring (core zone and buffer zone)	AS per EC & consent conditions of MOEF & SPCB.	Being done
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Not applicable	The work done for PMCP was satisfactory.

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	760000 T	374614 T	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanized	Mechanized	
7c	Different grade of mineral sorted out at mines.	Chemical & Cement grade	Chemical & Cement grade	
7d	Any beneficiation process at mines	Crushing & Screening unit installed.	Crushing & Screening	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Not applicable	The work done for mineral conservation aspect was satisfactory.	

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes, separate removal of top soil proposed.	Yes, separate removal of top soil being done.	

8b	Concurrent use or storage of topsoil	Concurrent use as well storage of top soil.	Being done
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal in mining plan.	Not applicable
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal in mining plan.	Not applicable
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal in mining plan.	Not applicable
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	A Total of 500 saplings to be planted on yearly basis.	A Total of 1300 out of which 400 Planted survived.
8g	Survival rate	No proposal in mining plan.	About 30%.
8h	Water sprinkling on roads to control airborne dust	Yes through water tanker.	Being done
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Not applicable	The aesthetic beauty in & around the mine is satisfactory.

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Compliance of Rule 45:

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Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	M/ R Submitted up to Aug 2016. A/R submitted up to 2015-16.	Found O. K.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given in A/R.	The appointment of Geologist had not been made which has been pointed out as VL.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given in A/R.	Found in order
9d	Scrutiny of Annual return on afforestation	Given in A/R.	Found in order
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Given in A/R.	Found in order
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given in A/R.	Found O. K.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given in A/R.	Found in order
9h	Scrutiny of Annual return on fixed assets	Given in A/R.	Found in order
9k	Scrutiny of Annual return on mining machineries	Given in A/R.	Found in order

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

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
Rule 13(1)	04-OCT-16				
Rule 23E(2)	04-OCT-16				
Rule 42(1)(C)(I)	04-OCT-16				
Rule 46	04-OCT-16				

**Date :**

(Sharma H.C.)

Indian Bureau of Mines