

**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 : **G021** ) **D R GURJAR**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Kishore Dutta Purohit, Mining Engineer & Dr. H R Dand  
Official with  
Designation
- (iv) Date of Inspection : 18-JAN-19
- (v) Prev.inspection date : 13-JUL-18

**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 25-JUN-18  
 Termination date

## Geologist

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

## Manager

Name : KISHORE DUTTA PUROHIT  
 Qualification : BE MINING  
 Appointment/ : 20-JUL-18  
 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  
 MP review under 17(1) MCR 2016 08-FEB-17

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Exploartion was proposed by drilling 32 Boreholes during the year 2017-18.	Drilling of 32 bore holes has been carried out.	
1b	Exploration over lease area for geological axis 1 or 2	Exploartion was proposed by drilling 32 Boreholes during the year 2017-18.	Drilling of 32 bore holes has been carried out.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal given.	In house about Rs. 28 lakhs.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	In the approved mining plan(approved on 08.02.2017) exploration was proposed during the year 2017-18 by drilling of 32 bore holes.	Drilling of 32 bore holes has been carried out.	
1e	Balance reserve as on 01/04/20	Balance reserve as on 31.03.2018 62.97 million tonnes(111+122)	Balance reserve as on 31.03.2018 62.97 million tonnes(111+122)	
1f	General remarks of inspecting officers on geology, exploration etc			Exploration has been carried out during the year 2017-18 as per proposal.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	During the year 2017-18 & 2018-19: Pit 1(Central Eastern Part of the lease area) & Pit 2(Northern western part of the lease area)	During the year 2017-18: Pit 1 & Pit 2b During the year 2018-19: Pit 1, Pit 2, Pit 2b, Pit 2c & Pit3.	Violation for additional mine development in Pit 2c & Pit 3 has been issued which was not proposed in approved mining plan. However lessee has already submitted modified mining plan for proposal of new pits which is under process.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	To soil, OB & mineral benches should be maintained separately.	Being done.	
2c	Stripping ratio or ore to OB ratio	2017-18 1:0.64(T:cum)	2017-18	1:0.52
2e	Quantity of overburden generation in m3	2017-18 201564 m3	2017-18	326525.6 m3
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Violation for additional mine development in Pit 2c & Pit 3 has been issued which was not proposed in approved mining plan. However lessee has already submitted modified mining plan for proposal of new pits which is under process.

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### Exploitation:

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Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	2017-18: 2 pits 2018-19: 2 pits	2017-18: 2 pits 2018-19: 4 pits	Devaition of mine pit has already been pointed out in form of Violation of rule 11(1) and in view of deviation party has already submitted modified mining plan to this office which is under process.
3b	Quantity of ROM mineral production proposed	2017-18 999887 tonnes	2017-18 429336 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	2017-18 709919tonnes	2017-18 371549.44 tonnes	
3d	Quantity of mineral reject generation	71055 m3	109875 tonnes	
3e	Grade of mineral rejects generation and threshold value declared.	Not specified	28% Cao	
3f	Quantity of sub grade mineral generation.	2017-18 1133029 tonnes	2017-18 57786.59 tonnes	
3g	Grade of sub grade mineral generation	CaO- >34% MgO- <5%	CaO- >34% MgO- <5%	
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	None	
3j	Provision of drilling and blasting in mineral benches	Drilling and blasting proposed in mining.	Drilling and blasting is being carried out as per proposal.	
3k	Provision of mining machineries in mineral benches	Yes	As per proposal machinary deployed.	

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	The height of benches in OB & mineral is suitable to the method of mining.
3m	Total area covered under excavation/pits	44.94 hect. area proposed at the end of mining plan period.	24.61 hect. area (up to 2017-18).
3n	Ore to OB ratio for the pit/mine during the year.	1:0.64	1:0.52
3o	Total area put in use under different heads at the end of year	Total 34.69 hectare area at the end of year 2017-18 & total 53.96 hectare at the end of mining plan period (up to March 2022)	31.87 hectare (up to 2017-18).
3p	Production of ROM mineral during the last five year period as applicable	2013-14: 400159 T 2014-15: 559810 T 2015-16: 760186 T 2016-17: 1008874 T 2017-18: 999887 T 2018-19: 978161 T	2013-14: 8600.71 T 2014-15: 193106.41 T 2015-16: 374631.59 T 2016-17: 441657.26 T 2017-18: 429336.03 T 2018-19: 358258 T (up to Dec. 2018)
3q	General remarks of inspecting officers on method of mining etc.		The method of mining is suitable to the deposit.

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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)	Separate dumping of top soil & OB/waste will be used for back filling.	Separate dumping of top soil & OB/waste is being used for back filling.	

4b	Location of topsoil, OB and mineral reject dumps	Northern side of Pit no. 1	As per proposal. However the OB/Waste generated during the year 2017-18 & current year is being used for backfilling.	
4c	Number of dumps within lease area and outside of lease area	2 nos. OB dumps within lease area	2 nos. OB dumps within lease area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Within UPL	Within UPL	
4e	Number of active and alive dumps.	No proposal	Nil	All OB/waste is being used for backfilling.
4f	Number of dead dumps.	No proposal	2	
4g	Number of dumps established.	No proposal	None	
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	Gralnad drain prepared along the dumps.	
4i	Length of Retaining wall or garland drain all along dumps	No proposal	Gralnd drain along the dumps.	
4j	Number of settling ponds	No proposal	2 nos.	
4k	Specific comments of inspecting officer on waste dump management			Currently waste dumps is not used all the OB/waste is being used for backfilling.

#### 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	being done.	

5b	Area under backfilling of mined out area	During the year 2017-18: 3.17 hectare 2018-19: 2.37 hect.	2017-18: 3.2 hect and this year backfilling is going on more area than the proposal.	Backfilling has been carried out more than the proposed location. V/L has already been issued during the previous inspection. Modification in mining plan has been approved by this office on 28.02.2019.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Top soil is being spreaded over the backfilled area.	Top soil is being stored at separate place and spreaded over bakkfilling and plantation is being carried out.	
5d	Total area fully reclaimed and rehabilitated	3.17 hect.( 2017-18) 2.37 hect.(2018-19)	Approximately 6 hect. area reclaimed during the year 2017-18 & 2018-19 so far.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Reclamation is being carried out by backfilling & plantation on govt waste land and only backfilling on private land and returned to farmers.

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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).	Yes	Yes submitted after issue the violation letter during the previous inspection.	
6b	Area available for rehabilitation (ha) .	3.17 hect.(2017-18)	3.20 Hect. (2017-18)	
6c	afforestation done (ha).	0.25 hect. on backfilled area.	3.2 hect. on backfilled area during the year 2017-18.	
6d	No. of saplings planted during the year	250 nos.	1500 nos.	



6e	Cumulative no .of plants	Not specified	Not reported.
6f	Any other method of rehabilitation	No proposal	Not applicable.
6g	Cost incurred on watch and care during the year	Not specified	Approximately 2.5 lakhs(2017-18)
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Not specified	During the year 2017-18 backfilling was proposed over 3.17 hect. area.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	2017-18: 3.17 hect.	2017-18: 3.20 Hect.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	None
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	Backfilling and plantation is being carried out.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	0.25 hect.	0.27 hect.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.25 hect.	0.27 hect.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Plantation	Plantation

6p	Compliance of environmental monitoring (core zone and buffer zone)	As per EC and CTO conditions.	Being done	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			PMCP compliance is 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	709919 tonnes	371549.44 tonnes dispatched.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanised	Mechanised	
7c	Different grade of mineral sorted out at mines.	Chemical Grade & Cement Grade	Chemical Grade & Cement Grade	
7d	Any beneficiation process at mines	Crushing and screening	Crushing and screening	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			The lessee's work towards mineral conservation is satisfactory.

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Yes as per proposal	

8b	Concurrent use or storage of topsoil	Top Soil will be used for land restoration of mined out area	As per proposal top soil is being used for reclamation of backfilled area and agriculture land.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	All the OB/waste is being used for backfilling.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Overburden were used for backfilling of the mined out area	Overburden is being used for backfilling of the mined out area
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes	After backfilling planation is being carried out over govt waste land and agriculture land is being returned back to farmers after backfilling and spread top soil.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	500 nos. 2017-18	1500 Nos. 2017-18.
8g	Survival rate	Not specified	Approximately 45% to 50%
8h	Water sprinkling on roads to control airborne dust	Yes	Yes
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Aesthetic beauty is good in and around the mines.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R Submitted upto Dec. 2018 A.R. Submitted upto 2017-18.	M.R Submitted upto Dec. 2018 A.R. Submitted upto 2017-18.	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	Detail given.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	Detail given.
9d	Scrutiny of Annual return on afforestation	Yes	Detail given.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Yes	Detail given.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Yes, given	Opening Stock- 119614.29 Production- 429336.03 Closing Stock- 177400.88
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Yes, given	Ex Mine Price- Chemical Grade-Rs 450 Cement Grade- Rs. 350
9h	Scrutiny of Annual return on fixed assets	Yes	Detail given.
9k	Scrutiny of Annual return on mining machineries	Yes	Detail given.

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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
MCDR17	Rule 11(1)	07-FEB-19	28-FEB-19			
MCDR17	Rule 19(1)	07-FEB-19				

**Date :**

(D R GURJAR)

Indian Bureau of Mines