

**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 : Deputy Controller Mines
- (iii) Accompanying mine : Shri Harendra Singh, Mines Agent  
Official with  
Designation
- (iv) Date of Inspection : 25-DEC-23
- (v) Prev.inspection date : 14-OCT-22

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **CHAWANDIA**
- (b) **Registration NO.** : **IBM/177/2011**
- (c) **Category** : **A Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **RAJASTHAN**
- District : **NAGAUR**
- Village : **MADPURA**
- Taluka : **KHINWSAR**
- Post office : **MADPURA**
- Pin Code : **342025**
- FAX No. : **09619000770**
- E-mail : **info@mwmmines.com, drrsg@mwm:**
- Phone : **09619000770**
- (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 : Harendra Singh  
 Ram Dev Mandir Marg,  
 Khimsar NAGAU R AJASTHAN  
 Phone: 7738388297  
 FAX : 7738388297

Mining Engineer  
 Name : Gopi Chand, Full Time  
 Qualification : BE Mining  
 Appointment/ : 01-OCT-21 04-NOV-22  
 Termination date

Mining Engineer  
 Name : Ramawatar Bagariya, Full Time  
 Qualification : BE(Mining)  
 Appointment/ : 04-NOV-22  
 Termination date

Geologist  
 Name : Dr. Hari Handi, Full Time  
 Qualification : Ph. D (GEOLOGY)  
 Appointment/ : 16-NOV-16 09-SEP-22  
 Termination date

Geologist  
 Name : Sanjay Kumar Upadhyay, Full Time  
 Qualification : MSC Geology  
 Appointment/ : 10-OCT-22  
 Termination date

Geologist  
 Name : Praksh Chandra Prajapat, Full Time  
 Qualification : MSC Geology  
 Appointment/ : 09-SEP-22 10-OCT-22  
 Termination date

Manager  
 Name : Gopi Chand  
 Qualification : BE Mining  
 01-OCT-21 04-NOV-22

Appointment/ :  
Termination date

Manager

Name : Ramawatar Bagariya  
Qualification : BE(Mining)  
Appointment/ : 04-NOV-22  
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
		MP modif under 17(3) MCR 2016	28-FEB-19
		MP modif under 17(3) MCR 2016	22-OCT-20
		MP review under 17(1) MCR 2016	19-APR-22

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No Backlog of previous year 2021-22.	None during the previous year 2021-22.	Nil
1b	Exploration over lease area for geological axis 1 or 2	No proposal during the year 2022-23.	None during the reporting year 2022-23.	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal of exploration during the year 2022-23.	None during the year 2022-23.	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal during thr year 2022-23.	The entire lease area 335.37 hect. has already been covered under G1 level of exploration	Nil
1e	Balance reserve as on 01/04/20	No specific proposal given in this regard	The position of reserves as on 01.04.2023 is 89.55 million tons	Nil
1f	General remarks of inspecting officers on geology, exploration etc			No issue observed related to geology and exploration

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
--------	------	-----------	-------------	---------

2a	Location of development w.r.t.lease area	During the year 2022-23, Mine development proposed in Pit No. 1b, 1a, 3 & 2a. Pit 1b E340791-340981,N300111 2-3001188, Pit 1a E340961-340992,N300132 3-3001385, Pit 3 E340484-340808, N3001462-3001829, Pit2a E339640-339691,N300193 6-3002235	Mine working has been carried out on proposed location, however some deviation observed in Pit No. 3 & Pit No.2a. A new Pit namely Pit No. 4 was also opened which was not proposed in approved review of mining plan.	Some deviation observed in Pit No. 3 & Pit No. 2a. A new Pit namely Pit No. 4 was also opened which was not proposed in approved review of mining plan.hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 30.01.2024
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes, seprate benches proposed in Topsoil, Ob and mineral	Yes, seprated benches found in Topsoil, OB and Mineral	However bench height was observed approximately 8m in Pit No. 1b against the proposal of 4m & approximately 8m in Pit No. 2a against the proposal of 6m, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 30.01.2024.
2c	Stripping ratio or ore to OB ratio	2022-23: 1:0.5	2022-23: 1:1.14	Ton:Ton
2d	Quantity of topsoil generation in m3	2022-23: 54321 cubic meter	2022-23: 60520 cubic meter	Nil
2e	Quantity of overburden generation in m3	2022-23: 216844.7 cum	2022-23: 287867.33 cum	Nil

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	(1)Some deviation observed in Pit No. 3 & Pit No. 2a. A new Pit namely Pit No. 4 was also opened which was not proposed in approved review of mining plan.hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 30.01.2024 (2)Bench height was observed approximately 8m in Pit No. 1b against the proposal of 4m & approximately 8m in Pit No. 2a against the proposal of 6m, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 30.01.2024.
----	---	---

---

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	4 Nos. of pit proposed namely pit no. 1a,1b,3 & 2a.	5 Nos. of pit observed namely pit no. 1a,1b,3, 2a & 4.	A new Pit namely Pit No. 4 was also observed which was not proposed in approved review of mining plan.hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 30.01.2024
3b	Quantity of ROM mineral production proposed	2022-23: 999799.37T	2022-23: 617927.66T	Nil
3c	Recovery of sailable/usable mineral from ROM production	2022-23: 999799.37T	2022-23: 617927.66T	Nil
3d	Quantity of mineral reject generation	No proposal	No mineral reject during the RY	Nil

3e	Grade of mineral rejects generation and threshold value declared.	No proposal	No mineral reject generation during the reporting year.	Nil
3f	Quantity of sub grade mineral generation.	No proposal	No subgrade generation during the RY	Nil
3g	Grade of sub grade mineral generation	No proposal	No subgrade generation during the RY	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	Not applicable	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	None	Nil
3j	Provision of drilling and blasting in mineral benches	Drilling Machine atlas copco and blast hole diameter 100mm and slurry explosive to be proposed	As per proposal.	Nil
3k	Provision of mining machineries in mineral benches	Excavator, Tipper, Drill Machine etc. proposed	As per proposal	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Bench height was observed approximately 8m in Pit No. 1b against the proposal of 4m & approximately 8m in Pit No. 2a against the proposal of 6m.	Bench height was observed approximately 8m in Pit No. 1b against the proposal of 4m & approximately 8m in Pit No. 2a against the proposal of 6m, hence violation of Rule11(1) of MCDR 2017 issued vide letter dated 30.01.2024.
3m	Total area covered under excavation/pits	40.13 hect.	41.03 hect.	Up to year 2022-23.
3n	Ore to OB ratio for the pit/mine during the year.	2022-23: 1:0.5	2022-23: 1:1.14	Ton:Ton

3o	Total area put in use under different heads at the end of year	47.34 hect.	47.84 hect.		As per AR 2022-23.
3p	Production of ROM mineral during the last five year period as applicable	2017-18 999886 T 2018-19 978161 T 2019-20 541640 T 2020-21 865226 T 2021-22 973226 T 2022-23 999799 T 2023-24 999961 T	2017-18 2019-20 2020-21 2021-22 2022-23 2023-24 to Nov 2023)	429336.03 T 130764.71 T 328375.004 T 564268.34 T 617927.66 T 496680 T (Up	Nil
3q	General remarks of inspecting officers on method of mining etc.				Method of mining is suitable to the type of deposit.

---

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal of dumping of top soil & OB, only proposal given for backfilling of mined out pit	Backfilling is being carried out in mined out pits.	However
4b	Location of topsoil, OB and mineral reject dumps	No proposal of dumping of top soil, mineral reject & OB	Backfilling is being carried out in mined out pits. Apart from that New waste dump namely OB-4 (towards Southern side of Pit No. 4) and new top soil stack namely TS-3a(towards south western side of Pit No. 3) & TS-4(towards south side of Pit No. 4) were observed.	New waste dump namely OB-4 (towards Southern side of Pit No. 4) and New top soil stacking namely TS-3a (towards south western side of Pit No. 3) & TS-4(towards south side of Pit No. 4) were observed which were not proposed in approved review of mining plan, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 30.01.2024.



4c	Number of dumps within lease area and outside of lease area	04 old waste dump within lease area	04 old waste dump & One new dump namely OB-4 within lease area.	For creation of new dump without proposal, violation of Rule 11(1) of MCDR 2017 issued vide letter dated 30.01.2024.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Within UPL limit	Within UPL limit	All dumps are on mineralised area and backfilling is being carried out by rehandling of waste from these dumps
4e	Number of active and alive dumps.	No proposal	01 (New dump namely OB-4)	Nil
4f	Number of dead dumps.	04	05	Nil
4g	Number of dumps established.	No proposal	None	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes proposal given in reporting year 2022-23.	Yes as per proposal.	Nil
4i	Length of Retaining wall or garland drain all along dumps	During the year 2022-23 total 25m retaining wall & 65m garland drain proposed.	During the year 2022-23 total 28m retaining wall & 60m garland drain made.	Nil
4j	Number of settling ponds	No proposal	2	Nil
4k	Specific comments of inspecting officer on waste dump management			New waste dump namely OB-4 (towards Southern side of Pit No. 4) and New top soil stacking namely TS-3a (towards south western side of Pit No. 3) & TS-4 (towards south side of Pit No. 4) were observed which were not proposed in approved review of mining plan, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 30.01.2024.

## 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 of mineral	As per proposal	Nil
5b	Area under backfilling of mined out area	1.34 hect area proposed under backfilling during the year 2022-23.	During the year 2022-23 total 3.22 hect area backfilling has been carried out.	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	To spread over backfilled area for plantation & plantation over virgin area	As per proposal	Nil
5d	Total area fully reclaimed and rehabilitated	During the year 2022-23, total 1.8 ha area is proposed for reclamation.	During the year 2022-23, total 1.9 ha. area is reclaimed.	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No issue observed related to 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).	It shall be submitted before 1st July for the previous year.	Submitted on time.	Nil
6b	Area available for rehabilitation (ha) .	No proposal	Not applicable	Nil
6c	afforestation done (ha).	2021-22: 1.8 hect. area over backfilled area.	2022-23: 1.9 hect. area over backfilled area + 0.1 hect. over virgin area.	Nil
6d	No. of saplings planted during the year	2022-23: 1800 nos.	2022-23: 2380 nos.	Nil

6e	Cumulative no .of plants	Not specified	28430 no. of plants	Up to year 2022-23.
6f	Any other method of rehabilitation	No proposal	None	Nil
6g	Cost incurred on watch and care during the year	Rs. 3.348 lakhs	Rs. 4.998 lakhs	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Not specified	Mined our area avialable for backfilling.	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	1.34 hect. area proposed for backfilling.	3.22 hect. area backfilled.	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	1.8 hect.	1.9 hect.	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	None	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	None	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	0.1 ha. virgin area	Nil

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	0.1 ha. virgin area	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Plantation	Plantation	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Monitoring proposed	Monitoring is being carried out	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			PMCP compliance is staisfactory.

---

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	After gradewise shorting all mineral will be dispatched.	As per proposal	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanized	Mechanized	Nil
7c	Different grade of mineral sorted out at mines.	Chemical & Cement Grade	Chemical & Cement Grade	Nil
7d	Any beneficiation process at mines	No proposal	None	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No issue observed related to mineral conservation

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes, separate removal of top soil and used it for reclamation	Yes, topsoil is rbeing removed separately and used for reclamation	Nil
8b	Concurrent use or storage of topsoil	Top soil will be used for reclamation of backfilled area	As per proposal, some top soil stacks were also observed which were not proposed.	New waste dump namely OB-4 (towards Southern side of Pit No. 4) and New top soil stacking namely TS-3a (towards south western side of Pit No. 3) & TS-4(towards south side of Pit No. 4) were observed which were not proposed in approved review of mining plan, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 30.01.2024.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal for seperate dumps for OB/waste as OB/waste proposed to be used for backfilling of mined out pits	No proposal for seperate dumps for OB/waste as OB/waste proposed to be used for backfilling of mined out pits	For creation of new dump without proposal, violation of Rule 11(1) of MCDR 2017 issued vide letter dated 30.01.2024.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	OB/waste proposed to be used for backfilling of mined out pits	OB/waste is being used for backfilling of mined out pits	Nil

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes	After backfilling , plantation along with regrassing is being carried out	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Plantation of 1800 nos. sapling is proposed during the RY	2380 nos. sapling planted during the RY	Nil
8g	Survival rate	60%	60%	As per AR 2022-23.
8h	Water sprinkling on roads to control airborne dust	Proposed	Water sprinkling was observed during the inspection.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty is satisfactory in and around the mine area.

---

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR shall be submitted before 10th day for previous month and AR shall be submitted before 01st July for previous FY	Monthly & annual returns are being submitted on time.	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Detail given in AR 2022-23: Mining Engineer & Manager- Ramawatar Bagariya, Geologist- Sanjay Kumar Upadhay	Seems corrected.	Nil

---

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area Under Pit-41.03ha. Occupied by plant, buildings, residential, welfare buildings and roads-1.61ha Mineral Storage-0.95ha Dump-4.25ha etc.	Seems corrected.	Nil
9d	Scrutiny of Annual return on afforestation	Total no. of trees planted 2380 having 60% survival rate.	Seems corrected.	However total nos. of trees at the end of year 2022-23 not reported correctly hence S/C notice of Rule 45(7) issued vide letter dated 30.01.2024.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No mineral reject reported in AR.	Correctly reported as no mineral reject generation.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Rom Stock 4725T Chemical Grade 50532.530T Cement Grade 35528.480T	Seems corrected	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of Production-Rs. 508.24/T, Ex Mine Price Cement Grade- Rs. 439.33/T, Ex Mine price Chemical Grade- Rs. 653.91/T	Ex mine price of cement & chemical grade seems corrected. However cost of production per tonne not calculated based on ROM production.	In Part-VII, the cost of production per tonne has not been calculated as per ROM production quantity, hence S/C notice of Rule 45(7) of MCDR 2017 issued vide letter dated 30.01.2024.
9h	Scrutiny of Annual return on fixed assets	Value of fixed assets report- Rs. 89840276	Seems corrected.	Nil

9k	Scrutiny of Annual return on mining machineries	Details given	Seems to be correct	Some other discrepancies were also found in AR 2022-23 which were included in S/C notice of Rule 45(7) of MCDR 2017 issued to the party vide letter dated 30..01.2024.
----	--	---------------	---------------------	---

---



**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)	30-JAN-24		MCDR17 Rule 45(7)	30-JAN-24	
MCDR17 Rule 45(7)(a)	30-JAN-24				

**Date :**

**(D R GURJAR)**

Indian Bureau of Mines