

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPMENT 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 : Dr. H. R. Dandi, Geologist  
Official with  
Designation
- (iv) Date of Inspection : 30-JUL-24
- (v) Prev.inspection date : 18-JAN-19

**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 : NAGAU
- Village : MADPURA
- Taluka : KHINWSAR
- Post office : MADPURA
- Pin Code : 342025
- FAX No. : 9815762221
- E-mail : drrsg@mwmines.com
- Phone : 9815762221
- (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 Ram Dev Mandir Marg, Khimsar  
District Nagaur, Rajasthan Pin No. -341025
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 :

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/ : 01-NOV-23  
 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

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	During the year 2022-23 total 3 nos. of core B/H having total meterage 150m proposed.	During the year 2022-23 total 3 nos. of core B/H having total meterage 152m achieved.	No backlog of previous year 2022-23.
1b	Exploration over lease area for geological axis 1 or 2	During the year 2023-24 total 2 nos. of core B/H having depth 100M was proposed.	During the year 2023-24 total 2 nos. of core B/H having total 99m drilling carried out.	However entire lease area 335.37 hect. area has already been explored under G1 level. Drilling carried out during the reporting year for quality checking.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No specific proposal of exploration agency & expenditures during the RY 2023-24.	Agency-MW Mines Pvt. Ltd. Expenditure-3.168 lakh	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal for balance area to be explored to bring G1/G2 level.	Entire lease area 335.37 hect. has already been explored under G1 level before reporting year 2023-24.	Nil
1e	Balance reserve as on 01/04/20	No proposal given regarding balance reserve.	The position of reserve as on 01.04.2024 is 88.78 millin tonnes.	Nil
1f	General remarks of inspecting officers on geology, exploration etc			No issue observed related to geology & exploration as entire lease area has already been explored under G1 level.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	During the year 2023-24, Mine development proposed in Pit No. 3, 1b, 1a & 2a. Pit 3 E 340591- 340804 N 3001494 - 3001769 Pit 1b E 340848- 340899 N 3001115- 3001177 Pit 2a E 339595- 339618 N 3001919- 3002072 Pit 1a E340961-340992 N3001323- 3001385	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.	Show cause notice of Rule 11(1) of MCDR 2017 already issued for location deviation during the previous inspection vide letter dated 19.06.2024. Party submitted draft modification of review of mining plan on dated 07.07.2024 incorporating pit location deviation.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes, separate benches proposed in Topsoil, OB and mineral	Yes, separated benches found in Topsoil, OB and Mineral	Nil
2c	Stripping ratio or ore to OB ratio	Year 2023-24 1:0.56	Year 2023-24 1:0.89	More OB generated due to more development work as compare to proposal during the reporting year, hence deviation in ore to OB ratio with respect to proposal.
2d	Quantity of topsoil generation in m3	During the year 2023-24 total 43690 cum top soil generation proposed.	During the year 2023-24 total 120000 cum top soil generated.	Due to new pit opening more top soil generated as proposed.
2e	Quantity of overburden generation in m3	2023-24: 223877.72 cum	2023-24: 278519.75 cum	More OB generated due to more development work as compare to proposal during the reporting year.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Show cause notice of Rule 11(1) of MCDR 2017 already issued for location deviation during the previous inspection vide letter dated 19.06.2024. Party submitted draft modification of review of mining plan on dated 07.07.2024 incorporating location deviation.
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#### 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.Show cause notice of Rule 11(1) of MCDR 2017 already issued during the previous inspection vide letter dated 19.06.2024.
3b	Quantity of ROM mineral production proposed	Year 2023-24: 999961.3 T	Year 2023-24: 770690 T	Nil
3c	Recovery of sailable/usable mineral from ROM production	Year 2023-24: 999961.3 T	Year 2023-24: 770690 T	Nil
3d	Quantity of mineral reject generation	No mineral reject generation proposal during the RY 2023-24.	No mineral reject generated 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 hole diameter 115mm and slurry explosive used	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	As per proposal.	Nil

3m	Total area covered under excavation/pits	Year 2023-24: 42.77 hect. area	Year 2023-24: 45.83 hect. area.	Due to new pit opening & other location deviations more area use under excavation. Show cause notice of Rule 11(1) of MCDR 2017 already issued vide letter dated 19.06.2024. Party submitted draft modification of RMP to incorporate location deviations.
3n	Ore to OB ratio for the pit/mine during the year.	Year 2023-24 1:0.56	Year 2023-24 1:0.89	Nil
3o	Total area put in use under different heads at the end of year	49.22 hect. area	52.9 hect.	As per AR 2023-24. Due to opening of new pit, new top soil stack & new waste dump more area use with respect to proposal. Due to working location, top soil location & waste dump location deviations, s/c of rule 11(1) of MCDR 2017 already issued vide dated 19.06.2024. Party submitted draft modification of RMP on dated 07.07.2024 incorporating these deviations.
3p	Production of ROM mineral during the last five year period as applicable	2019-20:541640T, 2020-21:865226T, 2021-22:973226T, 2022-23:999799.37T, 2023-24:999961.3T	2019-20:130764.71T, 2020-21:329442.042T, 2021-22:564268.34T, 2022-23:617927.66T, 2023-24:770690T	Nil
3q	General remarks of inspecting officers on method of mining etc.	Opencast fully mechnised mining method proposed.	Opencast fully mechnised mining method adopted.	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.	Nil
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 s/c notice of Rule 11(1) of MCDR 2017 issued vide letter dated 19.06.2024 during the previous inspection.
4c	Number of dumps within lease area and outside of lease area	04 old waste dump within lease area	04 old waste dump & 01 new dump namely OB-4 within lease area.	For creation of new dump without proposal, s/c notice of Rule 11(1) of MCDR 2017 issued vide letter dated 19.06.2024 during the previous inspection.
4e	Number of active and alive dumps.	No proposal	01 (New dump namely OB-4)	Nil
4f	Number of dead dumps.	04	04	Nil
4g	Number of dumps established.	No proposal	None	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal during the RY 2023-24.	None during the reporting year 2023-24, however garland drain prepared along the dumps.	Nil



4i	Length of Retaining wall or garland drain all along dumps	No proposal during the year 2023-24.	None during the year 2023-24.	Garland drain prepared along the dumps.
4j	Number of settling ponds	No proposal	None	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 s/c notice of Rule 11(1) of MCDR 2017 issued vide letter dated 19.06.2024 during the previous inspection.

#### 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.	Backfilling is being carried out after full extraction of mineral.	Nil
5b	Area under backfilling of mined out area	During the year 2023-24, total 2.02 hect. area proposed under backfilling.	During the year 2023-24 total 3.91 hect. area backfilled.	During the reporting year 2023-24, due to more OB generation more backfilling carried out.
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 backfilled area and plantation is being carried out.	Nil

5d	Total area fully reclaimed and rehabilitated	3.12 hect. area	5.36 hect. area	Due to more backfilling in the RY more area reclaimed.
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Reclamation is being carried out by backfilling, spreading top soil & plantation on govt waste land and only backfilling, spreading top soil 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).	As per Rule 26(2) of MCDR 2017, PMCP report shall be submit before 1st July.	Timely submission of PMCP report for the year 2023-24.	Nil
6b	Area available for rehabilitation (ha) .	No proposal	N/A	Nil
6c	afforestation done (ha).	Year 2023-24: 3.12 hect. over backfilled area.	Year 2023-24: 4.64 hect. (4.54 hect. over backfilled area +0.1 hect. over virgin area).	Nil
6d	No. of saplings planted during the year	3120 nos.	3200 nos.	Nil
6e	Cumulative no .of plants	Not specified	31630 nos.	up to year 2023-24.
6f	Any other method of rehabilitation	No proposal	Not applicable.	Nil
6g	Cost incurred on watch and care during the year	Rs. 6.1 lakh	Rs. 7.04 lakh	Nil

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	During the year 2023-24, total 2.02 hect. area proposed under backfilling.	During the year 2023-24 total 3.91 hect. area backfilled.	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	During the year 2023-24, total 2.02 hect. area proposed under backfilling.	During the year 2023-24 total 3.91 hect. area backfilled.	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	3.12 hect. area over backfilled area.	4.54 hect. area over backfilled area.	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	0.20 hect.	0.20 hect.	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal	Not applicable	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposal during the year 2023-24.	During the year 2023-24, total 100 sapling planted over an area of 0.1 hect.	Nil
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No proposal	0.1 hect. area	Nil
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposal	Plantation	Nil

6p	Compliance of environmental monitoring (core zone and buffer zone)	As per EC and CTO conditions.	Environmental monitoring is being carried out in core zone & buffer zone.	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			PMCP compliances is satisfactory.

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Year 2023-24: 999961.3 T	756921.1 tonnes dispatched.	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanised	Mechanised	Nil
7c	Different grade of mineral sorted out at mines.	Chemical Grade & Cement Grade	Chemical Grade & Cement Grade	Nil
7d	Any beneficiation process at mines .	Crushing and screening	Crushing and screening	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			The lessee's work towards mineral conservation is satisfactory.

#### Environment:

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

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 return back agriculture land to the land owners after backfilling of mined out area & spreading top soil over backfilled area.	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	OB/waste is being used for backfilling of mined out area.	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Overburden will use for backfilling of the mined out area	Overburden is being used for backfilling of the mined out area	Nil
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.	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	1500 nos. during the year 2023-24.	1500 nos. during the year 2023-24.	Nil
8g	Survival rate	Not specified	60%	As per AR 2023-24.
8h	Water sprinkling on roads to control airborne dust	Yes	Water sprinkling over haul roads was observed.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty is satisfactory in and around the mines area.

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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	Monthly & annual return is to be submitted as per time line of MCDR 2017.	Monthly & annual return submitted timely for the year 2023-24.	Timely & regular submission of monthly & annual returns.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mine Manager & Mining Engineer-Sh. Ramawatar Bagariya Geologist-Dr. Hari Raj Dandi	Correct details furnished in AR 2023-24.	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area Under Pit-45.83ha. Occupied by plant, buildings, residential, welfare buildings and roads-1.61ha Mineral Storage-0.95ha Dump-4.51ha etc.	Seems corrected.	Nil
9d	Scrutiny of Annual return on afforestation	Total no. of trees planted 3200 having 60% survival rate.	Seems corrected.	Nil
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 873T Chemical Grade 73087.23T Cement Grade 30594.68T	Seems corrected.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of Production-Rs. 522.49/T, Ex Mine Price Cement Grade-Rs. 466.30/T, Ex Mine price Chemical Grade- Rs. 658.12/T	Seems corrected	Nil
9h	Scrutiny of Annual return on fixed assets	Value of fixed assets report-Rs. 74518277	Seems corrected.	Nil

9k	Scrutiny of Annual return on mining machineries	Details given	Seems to be correct	Nil
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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

**Date :**

**(D R GURJAR)**

Indian Bureau of Mines