

**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 : Shri Gopi Chand, Mine Manager
Official with
Designation
- (iv) Date of Inspection : 14-OCT-22
- (v) Prev.inspection date : 26-OCT-21

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 : NAGPUR
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 : 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 : 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
 Appointment/ : 01-OCT-21 04-NOV-22
 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 proposal	Not applicable	Nil
1b	Exploration over lease area for geological axis 1 or 2	No proposal during the year 2021-22	Not applicable	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal of drilling during the year 2021-22	Not applicable	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal during thr year 2021-22	The entire lease area 335.37 hect. has 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 01.04.2022 is 90.17 MT	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 2021-22, Mine development proposed in Pit No. 3 between grid N-3001574 to N 3001895 & E 340500 to E 340845	Mine development has been carried out within proposed limit.	Nil

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 benches in OB were not kept sufficiently advance so that their working do not interfere with the working of ore or mineral, hence violation of Rule 13(2) of MCDR, 2017 issued vide letter dated 05.12.2022.
2c	Stripping ratio or ore to OB ratio	2021-22: 0.98:1	2021-22: 0.59:1	cum:cum
2d	Quantity of topsoil generation in m3	2021-22: 62425 cubic meter	2021-22: 70540 cubic meter	Nil
2e	Quantity of overburden generation in m3	2021-22: 387510 cubic m	2021-22: 3718755 cubic m	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			However benches in OB were not kept sufficiently advance so that their working do not interfere with the working of ore or mineral, hence violation of Rule 13(2) of MCDR, 2017 issued vide letter dated 05.12.2022.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	During the year 2021-22, working proposed in pit no. 3	One pit- pit no. 3	Nil
3b	Quantity of ROM mineral production proposed	2021-22: 973226 tonnes	2021-22: 564268.34 tonnes	Nil
3c	Recovery of sailable/usable mineral from ROM production	2021-22: 973226 tonnes	2021-22: 564268.34 tonnes	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 RY	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 & blasting proposed	As per proposal	Nil
3k	Provision of mining machineries in mineral benches	Mining machineries are proposed in mining operation	As per proposal	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Benches in OB were not kept sufficiently advance so that their working do not interfere with the working of ore or minera	Hence violation of Rule 13(2) of MCDR, 2017 is being issued.
3m	Total area covered under excavation/pits	Total proposed excavation area is 36.79 ha (at the end of the plan period i.e. 2021-22)	Actual excavated area is 37.47 ha	The area has been corrected after precise survey, as per recentlty approved approved review of mining plan dated 19.04.2022
3n	Ore to OB ratio for the pit/mine during the year.	0.98:1	0.59:1	Nil

3o	Total area put in use under different heads at the end of year	No specific yearwise proposal was given. However at the end of plan period (2021-22) total 42.5 hect. area will be used under different heads	Under pit- 37.47 hect. Waste dump- 4.35 hect. Others- 2.06 hect. mineral storage- 0.95 hect.		The area has been corrected after precise survey, as per recently approved approved review of mining plan dated 19.04.2022
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	2017-18 429336.03 T 2018-19 490936.13 T 2019-20 130764.71 T 2020-21 328375.004 T 2021-22 564268.34 T 2022-23 322123.865 T (up to Sept. 2022)		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.	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	Nil
4c	Number of dumps within lease area and outside of lease area	04 old waste dump	04 old waste dump	Nil

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	04 old waste dumps are within UPL limit	04 old waste dumps are within UPL limit	These are old dumps and backfilling is being carried out by rehandling of waste from these dumps
4e	Number of active and alive dumps.	No proposal	None	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	None during the year. However garland drain are there.	Nil
4i	Length of Retaining wall or garland drain all along dumps	No proposal	None during the year. However garland drain are there.	Nil
4j	Number of settling ponds	No proposal	2	Nil
4k	Specific comments of inspecting officer on waste dump management			Presently no OB/waste is being dumps, it is simultaneously used for backfilling of the mined out pits.

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	3.15 hect area proposed under backfilling during the year 2021-22.	During the year 2021-22 total 5.29 hect area backfilling has been carried out.	More handling from old waste dumps which are lies over mineralised area.

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 2021-22, total 1.93 ha area is proposed for reclamation.	During the year 2021-22, total 2.4 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: 2.03 ha	2021-22: 2.5 ha	Nil
6d	No. of saplings planted during the year	6100 no. of plants proposed	Actual 6100 no. of plants is planted	Nil
6e	Cumulative no .of plants	Not specified	26050 no. of plants	Nil
6f	Any other method of rehabilitation	No proposal	None	Nil
6g	Cost incurred on watch and care during the year	Rs. 10.2 lakhs	Rs. 13.26 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	3.15 hect proposed	Actual void filled 5.92 ha	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	1.93 ha proposed	2.4 hect area over backfilled area.	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	0.1 ha. virgin area	0.1 ha. virgin area	Nil
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	0.1 ha.	0.1 ha.	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.
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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	Nil

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal for separate dumps for OB/waste as OB/waste proposed to be used for backfilling of mined out pits	OB/waste is being used for backfilling of mined out pits	Nil
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 6100 nos. sapling is proposed during the RY	6100 nos sapling planted during the RY	Nil
8g	Survival rate	Not specified	60%	As per AR 2021-22.
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 areas.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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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	Details given in AR 2021-22.	Seems corrected	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area Under Pit-37.47ha. Reclaimed-9.67 Dump-4.35ha Mineral Storage-0.95ha Infrastructure & Others- 1.57	Seems corrected	Nil
9d	Scrutiny of Annual return on afforestation	plantation deatis given in annual return.	Seems corrected.	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No mineral reject generation during the year	Seems corrected.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM stock- 43231.21 tonnes Chemical grade Stock- 63745.158 tonnes Cement grade Stock- 32673.137 tonnes	Seems to be correct	Nil

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex mine price Chemical grade- Rs. 556.68 per tonne Ex mine price Cement grade- Rs. 446.7 per tonne Cost of production-Rs. 478.19 per tonne	Seems corrected.	Nil
9h	Scrutiny of Annual return on fixed assets	Value of fixed assets report-rRs. 96868143	Seems to be correct	Nil
9k	Scrutiny of Annual return on mining machineries	Details given	Seems to be correct	Nil

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 13(2)	05-DEC-22			
MCDR17	Rule 31(4)	05-DEC-22			

Date :

(D R GURJAR)

Indian Bureau of Mines