

**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 : Dr. H. R. Dandi, Geologist
Official with
Designation
- (iv) Date of Inspection : 26-OCT-21
- (v) Prev.inspection date : 07-SEP-20

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
 Termination date

Geologist

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

Manager

Name : Gopi Chand
 Qualification : BE Mining
 Appointment/ : 01-OCT-21
 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

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	During the previous year exploration was proposed by way of 16 bore holes(1000mts).	During the year 2019-20 total 06 bore holes drilled(480m). Remaining 10 bore holes drilled during the year 2020-21.	No backlog exist.
1b	Exploration over lease area for geological axis 1 or 2	During the year 2020-21, no proposal of exploration.	During the year 2020-21 total 10 bore holes drilling(500m) has been carried out.	However in annual return total drilling reported 600m instead of 500m hence violation of Rule 45(7) of MCDR 2017 is being issued.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal of drilling during the year 2020-21.	In house Rs. 871860	Drilling backlog of year 2019-20 completed during the year 2020-21.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal given during the year 2020-21.	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 reserve as on 01.04.2021 111: 92.49 million tonnes.	Nil
1f	General remarks of inspecting officers on geology, exploration etc			No issue observed related to geology & exploration.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	During the year 2020-21, Mine development proposed in Pit No. 3 between grid N 3001412- N3001758 & E 340578 E 340872	Mine development has been carried out within proposed limit.	Nil

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes, separate benches in OB & mineral.	Yes separate benches in OB & mineral.	However bench height & width have not been maintained as per approved proposal hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 23.11.2021.
2c	Stripping ratio or ore to OB ratio	ROM: OB/IB 2.04:1	ROM: OB/IB 0.6:1	cum:cum
2d	Quantity of topsoil generation in m3	76970m3	29944m3	Nil
2e	Quantity of overburden generation in m3	166465 m3	216400 m3	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mine development has been carried out on proposed location. However bench height & width have not been maintained as per approved proposal hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 23.11.2021.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	During the year 2020-21 only One Pit (Pit No.3) Proposed.	One Pit (Pit No.3)	Nil
3b	Quantity of ROM mineral production proposed	2020-21: 865225.6 T	2020-21: 328375.004 T	Nil
3c	Recovery of sailable/usable mineral from ROM production	2020-21: 865225.6 T	2020-21: 328375.004 T	Nil

3d	Quantity of mineral reject generation	No mineral reject generation proposal.	No mineral reject generated during the year.	However in annual return mineral reject generation shown hence violation of Rule 45(7) of MCDR 2017 issued vide letter dated 23.11.2021.
3e	Grade of mineral rejects generation and threshold value declared.	No mineral reject generation proposal given.	No mineral reject generated during the year.	Nil
3f	Quantity of sub grade mineral generation.	No proposal	No subgrade generated during the year.	Nil
3g	Grade of sub grade mineral generation	No proposal	No subgrade generated during the year, hence not applicable.	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	None	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal during the year.	None during the year.	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	Bench height & width have not been maintained as per approved proposal	However bench height & width have not been maintained as per approved proposal hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 23.11.2021.

3m	Total area covered under excavation/pits	Total 36.79 hect area (at the end of plan period i.e. 2021-22)	Total 31.85 hect.	However some discrepancies observed in information submitted regarding area utilisation at the end of year 2020-21 in annual retransmission submitted for the year 2020-21, hence violation of Rule 45(7) of MCDR 2017 issued vide letter dated 23.11.2021.
3n	Ore to OB ratio for the pit/mine during the year.	ROM: OB/IB 2.04:1	ROM: OB/IB 0.6:1	cum:cum
3o	Total area put in use under different heads at the end of year	No specific yearwise proposal given, however at the end of plan period(year 2021-22) total 42.5 hect. area will be used under different heads.	Under Pits-31.85 hect. Waste Dump-3.25 Others 1.51 hect. Mineral Storage-0.95 hect.	However some discrepancies observed in information submitted regarding area utilisation at the end of year 2020-21 in annual retransmission submitted for the year 2020-21, hence violation of Rule 45(7) of MCDR 2017 issued vide letter dated 23.11.2021.
3p	Production of ROM mineral during the last five year period as applicable	2016-17 1008874T 2017-18 999887T 2018-19 978161T 2019-20 541639T 2020-21 865226T 2021-22 973226T	2016-17 441657.26T 2017-18 429336.03T 2018-19 490936.13T 2019-20 130764.71T 2020-21 328375.004T 2021-22 309041T(till 25.10.2021)	Nil
3q	General remarks of inspecting officers on method of mining etc.	Opencast mechanised mining method.	Opencast mechanised mining method.	Method of mining is suitable to the type of deposit.

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, The proposal given for backfilling of mined out pit.	Backfilling of mined out pits is being carried out.	Nil
4b	Location of topsoil, OB and mineral reject dumps	Backfilling was proposed of mined out area of Pit No. 1A.	Backfilling has been carried out of Pit no. 3.	Backfilling has not been carried out on proposed location, hence violation of Rule 11(1) of MCDR 2017 is being issued to the lessee.
4c	Number of dumps within lease area and outside of lease area	02 Old waste dumps	02 Old waste dumps	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Two old waste dumps are within UPL limit	Two old waste dumps are within UPL limit	These are old waste dumps, backfilling is being carried out by rehandling of waste from these dumps.
4e	Number of active and alive dumps.	No proposal	None	All OB/waste is being used for backfilling.
4f	Number of dead dumps.	02	02	Nil
4g	Number of dumps established.	No proposal	None	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal given during the year.	None during the year.However garland drain are there.	Nil
4i	Length of Retaining wall or garland drain all along dumps	No proposal given during the year.	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 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.	Complete extraction of mineral.	As per proposal	Nil
5b	Area under backfilling of mined out area	2020-21: 1.3 hect.	2020-21: 3.52 hect area backfilled.	As reported during the inspection, however PMCP report for the year 2020-21 has not been submitted hence violation of Rule 26(2) of MCDR 2017 issued vide letter dated 23.11.2021.
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 2020-21 total 5.78 hect. area reclamation proposal given.	In the annual return 2020-21, no correct information provided regarding reclamation.	Due to discrepancies in annual return, violation of Rule 45(7) of MCDR 2017 issued vide letter dated 23.11.2021.
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Backfilling has not been carried out on proposed location, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 23.11.2021.

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 up to 1st July for the previous financial year.	Not submitted on time.	Violation of Rule 26(2) of MCDR 2017 issued to the lessee vide letter dated 23.11.2021 for non submission of PMCP report fo the year 2020-21 within stipulated time.

6b	Area available for rehabilitation (ha) .	0.1 hect. plantation	0.1 hect. plantation	Nil
6c	afforestation done (ha).	2020-21: 0.1 hect. virgin area + 5.88 hect. over backfilled area.	0.1 hect. virgin area + 4.35 hect. over backfilled area.	As reported during the inspection, however PMCP report for the year 2020-21 has not been submitted by the lessee, hence violation of Rule 26(2) of MCDR issued vide letter dated 23.11.2021.
6d	No. of saplings planted during the year	5900 nos.	6000 nos.	As reported during the inspection, however PMCP report for the year 2020-21 has not been submitted by the lessee, hence violation of Rule 26(2) of MCDR issued vide letter dated 23.11.2021.
6e	Cumulative no .of plants	Not specified	20850 nos.	As reported during the inspection, however PMCP report for the year 2020-21 has not been submitted by the lessee, hence violation of Rule 26(2) of MCDR issued vide letter dated 23.11.2021.
6f	Any other method of rehabilitation	No proposal	None	Nil
6g	Cost incurred on watch and care during the year	Rs. 9.86 lakh	Rs. 12.98 lakh	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not specified	Not reported	Violation of Rule 26(2) of MCDR 2017 issued to the lessee for non submission of PMCP report fo the year 2020-21 within stipulated time.

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	2020-21: 1.3 hect. area backfilling proposed.	2020-21: 3.52 hect area backfilled.	As reported during the inspection, however PMCP report for the year 2020-21 has not been submitted hence violation of Rule 26(2) of MCDR 2017 issued vide letter dated 23.11.2021.
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	5.88 hect. area	4.35 hect. area	As reported during the inspection, however PMCP report for the year 2020-21 has not been submitted hence violation of Rule 26(2) of MCDR 2017 issued vide letter dated 23.11.2021.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No such proposal given	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 hect. virgin area	0.1 hect. virgin area	Nil
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	0.1 hect.	0.1 hect.	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.			Violation of Rule 26(2) of MCDR 2017 issued to the lessee vide letter dated 23.11.2021 for non submission of PMCP report for the year 2020-21 within stipulated time.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	After gradewise sorting 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
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8a	Separate removal and utilization of topsoil (Rule 32)	Yes, separate removal of top soil & use for reclamation.	Yes, separate removal of top soil & 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 of separate dumping, OB/waste proposed to be use for backfilling in the mined out area.	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	OB/waste proposed to be use for backfilling in the mined out area.	OB/waste is being used for backfilling of mined out area.	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)	5900 nos. during the year 2020-21.	6000 nos. sapling planted during the year.	Nil
8g	Survival rate	Not specified	62%	As reported in annual return.
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 mine areas.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly return shall be submit up to 10the day of the month for previous month. Annual return shall be submit up to 1st july for the previous year.	Monthly return submitted up to Oct 2021 Annual return submitted up to year 2020-21.	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details given.	Seems corrected.	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit area-37.56 hect., Pit Reclaimed area 15.5 ha, Dump area- 3.2 ha occupied by plant, buildings, residential, welfare buildings & roads-1.51 hect., Mineral Storage-0.95 hect etc.	Some discrepencies observed.	Violation of Rule 45(7) of MCDR 2017 is being issued.
9d	Scrutiny of Annual return on afforestation	6000 nos. sapling reported within lease area having survival rate 62%	Seems to be corrected.	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Details given in annual return.	No mineral reject generation reported during the inspection.	Violation of Rule 45(7) of MCDR 2017 is beinf issued.

9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM Stock- 90333.504tonne s, Cement Grade Stock-7064.637 Chemical Grade Stock- 83288.270 tonnes,	Seems to be correct.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Chemical Grade- Rs 525 per tonne, Cement Grade- Rs. 450 per tonne	Some discrepancies observed regarding ex mine price of cement grade & chemical grade limestone.	Violation of Rule 45(7) of MCDR 2017 is being issued to the lessee.
9h	Scrutiny of Annual return on fixed assets	Details given	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 cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	23-NOV-21			
MCDR17	Rule 26(2)	23-NOV-21			
MCDR17	Rule 45(7)(a)	23-NOV-21			

Date :

(D R GURJAR)

Indian Bureau of Mines