

**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 : 13-JUL-18
- (v) Prev.inspection date : 12-SEP-17

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	Exploration was proposed by drilling 32 boreholes during the year 2017-18.	As reported drilling of 32bore holes has been carried out.	Record of each bore holes in form J has not been maintained hence violation of rule 48 of MCDR issued to the lessee.
1b	Exploration over lease area for geological axis 1 or 2	Exploration was proposed by drilling 32 boreholes during the year 2017-18.	As reported drilling of 32bore holes has been carried out.	Record of each bore holes in form J has not been maintained hence violation of rule 48 of MCDR issued to the lessee.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal given	In house about 28 lakh	
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 32 bore holes.	As reported drilling of 32bore holes has been carried out.	
1e	Balance reserve as on 01/04/20	Balance Reserves as on 31.03.2018 62.97 million tonnes(111+122)	Balance Reserves as on 31.03.2018 62.97 million tonnes(111+122)	
1f	General remarks of inspecting officers on geology, exploration etc			As reported drilling of 32bore holes has been carried out during the year 2017-18 but Record of each bore holes in form J has not been maintained hence violation of rule 48 of MCDR issued to the lessee.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit1(Central Eastern part of lease area) Pit2(Northern Western part of the lease area)	Pit1(Central Eastern part of lease area) Pit2(Northern Western part of the lease area)	Mine development in Pit no. 2 has not been carried out while a mine pit was developed between grid 3001800N to 3001900N and 339800E to 339900E near pit no.2 which was not proposed.Hence violation of Rule 11(1) of MCDR 2017 issued to the lessee.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Top soil, overburden and Mineral benches should be maintained separately	Being done as per proposal.	
2c	Stripping ratio or ore to OB ratio	1: 0.64(T:cum)	ROM/OB ratio= 0.525	
2d	Quantity of topsoil generation in m3	55920 m3	55000 m3	
2e	Quantity of overburden generation in m3	201564 m3	326525.6 m3	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mine development in Pit no. 2 has not been carried out while a mine pit was developed between grid 3001800N to 3001900N and 339800E to 339900E near pit no.2 which was not proposed.Hence violation of Rule 11(1) of MCDR 2017 issued to the lessee.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	2 Pits	2 Pits	

3b	Quantity of ROM mineral production proposed	999887 tonne(2017-18)	429336.03 tonne(2017-18)
3c	Recovery of sailable/usable mineral from ROM production	709919 tonne	371549.44 tonne
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.	113029 tonnes	57786.590 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 machinery deployed
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	The hieght of benches in OB and Mineral is suitable to the method of mining.
3m	Total area covered under excavation/pits	44.94 Ha (At the endo of mining plan period i.e. 2021-22)	24.61 Hect.(up to 2017-18)

3n	Ore to OB ratio for the pit/mine during the year.	1:0.64	ROM/OB ratio= 0.525
3o	Total area put in use under different heads at the end of year	53.96(at the end of MP period 2021-22)	31.87(up to 2017-18)
3p	Production of ROM mineral during the last five year period as applicable	2013-14 400159T 2014-15 559810 T 2015-16 760186 T 2016-17 1008874 T 2017-18 999887 T	2012-13 76964 T 2013-14 8600.7 T 2014-15 193106 T 2015-16 374614 T 2016-17 441657 T 2017-18 429336 T

3q	General remarks of inspecting officers on method of mining etc.	The mining method adopted 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 proposed in MP for OB, top soil and Mineral reject	Separate dumping is being done for Top soil, OB and Mineral	
4b	Location of topsoil, OB and mineral reject dumps	Northern side of Pit No. 1	As per proposal.	
4c	Number of dumps within lease area and outside of lease area	2 Nos. within lease area,Outside - Nil	2 Nos. within lease area,Outside -Nil	
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 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	Garland drain prepared along the the dumps.	
4i	Length of Retaining wall or garland drain all along dumps	No proposal	Garland drain along the dumps	
4j	Number of settling ponds	No proposal	2 Nos settling ponds	
4k	Specific comments of inspecting officer on waste dump management			General housekeeping of dumps are satisfactory.

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	3.17 Hect	3.20 Hect. area	During the year 2017-18 in Pit no.1 the backfilling was proposed only in western side of Pit while backfilling was also going in some portion of central northern part and eastern part of this Pit.Hence violation of rule 11(1) of MCDR 2017 issued to the lessee.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Top soil is being spreaded over the backfilled OB	Top soil is being stored at separate place and spreaded over backfill filling are for plantation	
5d	Total area fully reclaimed and rehabilitated	3.17 Hectare(2017-18)	3.20 Hectare(2017-18)	

5e	General remarks of inspecting officers on backfilling and reclamation etc.	During the year 2017-18 in Pit no.1 the backfilling was proposed only in western side of Pit while backfilling was also going in some portion of central northern part and eastern part of this Pit.Hence violation of rule 11(1) of MCDR 2017 issued to the lessee.
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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).	Not submitted	Not submitted	Violation of rule 26(2) of MCDR 2017 issued to the lessee for non submission of PMCP annual report 2017-18.
6b	Area available for rehabilitation (ha) .	3.17 Hect	3.20 Hect	
6c	afforestation done (ha).	0.25 Hect on backfilled area	No detail available	Violation of rule 26(2) of MCDR 2017 issued to the lessee for non submission of PMCP annual report 2017-18.
6d	No. of saplings planted during the year	250 Nos.	1500 nos.	
6e	Cumulative no .of plants	No specified	Not reported.	
6f	Any other method of rehabilitation	No proposal	Not applicable	
6g	Cost incurred on watch and care during the year	No proposal	Approximately 2.5 lack	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	3.17 hectrae area	Not reported	Violation of rule 26(2) of MCDR 2017 issued to the lessee for non submission of PMCP annual report 2017-18.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	3.17 Hect	3.20 Hect area	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	0.25 hect area proposed	No detail available	Violation of rule 26(2) of MCDR 2017 issued to the lessee for non submission of PMCP annual report 2017-18.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Not applicable	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	Not applicable	
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 consent to operate conditions	Being done	
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 for non submission of PMCP annual report 2017-18.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	709919 tonnes	371549.440 tonnes	
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 and Cement grade	Chemical grade and 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.

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 restoring of mined out land	As per proposal top soil is being used for reclamation of land	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	As per proposal	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Overburden will be used for backfilling of Mines out area	Overburden is being used for backfilling.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes	Yes, being done	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	500 Nos. plantation proposed. (2017-18)	1500 Nos planted	
8g	Survival rate	Not specified	Approximately 45 to 50%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling is proposed for dust suppression on haul roads	Water sprinkling is being done on haul road for dust suppression	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty is good in and around the mines.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	M.R. submitted up to June 2018 A.R. Submitted up to 2017-2018.	M.R. submitted up to June 2018 A.R. Submitted up to 2017-2018.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Detail given	found ok
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Detail given	found ok
9d	Scrutiny of Annual return on afforestation	Detail given	found ok
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Detail given	found ok
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Detail given	Found ok
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Detail given	Ex Mine Price Chemical grade -450 Rs Cement grade-350 Rs
9h	Scrutiny of Annual return on fixed assets	Detail given	12773940 Rs
9k	Scrutiny of Annual return on mining machineries	Detail given	AIR COMPRESSOR-2 nos BACK HOE-5 nos DUMPER-8 nos FRONT END LOADER-2nos CRUSHER-150 tph

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)	31-JUL-18		MCDR17 Rule 11(1)	31-JUL-18	25-JAN-18
MCDR17 Rule 26(2)	31-JUL-18	17-OCT-18			
MCDR17 Rule 45(7)(c)	31-JUL-18	17-OCT-18			
MCDR17 Rule 48	31-JUL-18	17-OCT-18			

Date :

(D R GURJAR)

Indian Bureau of Mines