

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

**MCDR INSPECTION REPORT**

**Ajmer regional office**

**Mine file No :** RAJ/BLW-426/IO-01

**Mine code :** 30RAJ06001

- (i) Name of the Inspecting : **G021** ) **D R GURJAR**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sh Denesh S Patil, Agent Mines  
Official with  
Designation
- (iv) Date of Inspection : 22-JAN-20
- (v) Prev.inspection date : 04-SEP-18

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **DHEDWAS**
- (b) **Registration NO.** : **IBM/5710/2011**
- (c) **Category** : **A Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **RAJASTHAN**
- District : **BHILWARA**
- Village : **DHEDWAS**
- Taluka :
- Post office :
- Pin Code :
- FAX No. : **01482248417**
- E-mail : **sunil.pandey@jindalsaw.com**
- Phone : **0148224817**
- (f) **Police Station** : **Pur& Mandal**
- (g) **First opening date** : **15-JUN-11**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **ARAJI NO.9697/6711, NEAR TIRANGA HILLS  
VILLAGE-PUR, TEHSIL& DISTRICT-BHILWARA  
RAJASTHAN-311802**
3. (a) **Lease Number** : **RAJ3916**
- (b) **Lease area** : **1556.78**
- (c) **Period of lease** : **30**
- (d) **Date of Expiry** : **07-DEC-40**
4. **Mineral worked** : **IRON ORE** **Main**

## 5. Name and Address of the

Lessee : JINDAL SAW LIMITED  
 B-136, QUEENS ROAD VIDHYUT  
 NAGAR-B JAIPUR RAJASTHAN  
 Phone:  
 FAX :

Owner : JINDAL SAW LTD  
 JAIPUR RAJASTHAN  
 Phone:  
 FAX :

Agent : DINESH CHANDRA S PATIL  
 NEAR TIRANGA HILLS VILL-  
 PUR TEHSIL BHILWARA  
 BHILWARA RAJASTHAN  
 Phone:  
 FAX :

## Manager

Name : Naveen Kumar Airan  
 Qualification : BE Mining  
 Appointment/ : 25-JUL-15  
 Termination date

6. Date of approval of Mining : MP modif under MCR 1960 18-MAY-16  
 Plan/Scheme of Mining : MP modif under 17(3) MCR 2016 07-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 2017-18 total 05 bore holes proposed.	Drilling of these 05 bore holes proposed during the year 2017-18 has been carried out during the year 2018-19.	Nil
1b	Exploration over lease area for geological axis 1 or 2	During the year 2018-19 exploration was proposed by drilling of 03 core bore holes.	During the year 2018-19 , the back log exploration drilling (5 bore holes-1418meter) of the year 2017-18 has been carried out but exploration drilling proposed during the year 2018-19 has not been carried out.	Violation of Rule 11(1) of MCDR 2017 issued to the party for not commencement of exploration drilling which was proposed during the year 2018-19.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No such proposal given.	Exploration drilling carried out by JSW & through contractor Expenditure during the year 2018-19 - Rs. 33.68 lakh	Backlog exploration drilling of the year 2017-18.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No such specific proposal given in the approved modified mining plan( approved on 18.05.2016)	Exploration drilling has been carried out to upgrade G3/G2 exploration into G1 level.	As per recently approved Review of Mining Plan(approved on 04.03.2020) out of total lease area the mineralised area is 169.8 hect. The bifurcation of mineralised area is under G1- 97.03ha, G1/G2- 15.60 ha, G3-49.25 & G4-7.92 ha. In the recently approved review of mining plan (approved on 04.03.2020) , the exploration proposal incorporated to upgrade G3 into G1 level as per time limit of MCDR 2017
1e	Balance reserve as on 01/04/20	No specific yearwise proposal of balance reserve has been given.	Balance reserves as on 01.04.2019 30.01 million tonnes.	Nil

1f	General remarks of inspecting officers on geology, exploration etc	<p>1)Under future exploration programme, there was proposal to drill 03 bore holes during the year 2018-19, but these proposed bore holes have not been drilled so far.</p> <p>2)Location of proposed bore holes for the year 2019-20 have been changed as per your notice of sinking of bore holes in Form-I submitted to this office vide your letter dated 29.11.2019.</p> <p>Hence violation of Rule 11(1) of MCDR 2017 issued vide this office letter dated 18.02.2020.</p>
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## Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Tiranga Block: Tiranga South & Central Tiranga North Tiranga North Exten. Suras Block Dhulkhera North Block & Dhulkhera South Block	Tiranga Block: Tiranga South & Central Suras Block Dhulkhera North Block & Dhulkhera South Block	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate Benches in top soil, O/B & in Mineral	Separate Benches in O/B & in Mineral.	Benches have not been properly developed as per approved proposals hence violation of rule 11(1) of MCDR 2017 issued to the lessee vide this office letter dated 18.02.2020.

2c	Stripping ratio or ore to OB ratio	1: 3.29	1:1.95	Nil
2d	Quantity of topsoil generation in m3	2018-19: 1000 m3	2018-19: 300 m3	Nil
2e	Quantity of overburden generation in m3	2018-19: 23.055 Million Tons	2018-19: 6.049 Million Tons	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Benches have not been properly developed as per approved proposals hence violation of rule 11(1) of MCDR 2017 issued to the lessee vide this office letter dated 18.02.2020.

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Tiranga Block(03 Pits), Suras, Dhulkhera North & Dhulkhera South	Tiranga Block (01 Pit), Suras, Dhulkhera North & Dhulkhera South	Nil
3b	Quantity of ROM mineral production proposed	2018-19: 7.0 Million tonnes	2018-19: 3.099 Million tonnes	Nil
3c	Recovery of sailable/usable mineral from ROM production	All the ROM mineral feed to captive beneficiation plant located within the lease area.	All the ROM mineral feed to captive beneficiation plant located within the lease area.	Nil
3d	Quantity of mineral reject generation	No such proposal given	Whole ROM is amenable to beneficiation plant.	Nil
3e	Grade of mineral rejects generation and threshold value declared.	No such proposal given	Whole ROM is amenable to beneficiation plant.	Nil
3f	Quantity of sub grade mineral generation.	No such proposal given	None	Nil

3g	Grade of sub grade mineral generation	No proposal	Not	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Dry & Wet beneficiation by two stages of crushing & grinding each with magnetic separation.	Dry & Wet beneficiation by two stages of crushing & grinding each with magnetic separation.	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Characterization is under process with IBM, Ajmer & Nagpur.	Nil
3j	Provision of drilling and blasting in mineral benches	Provision of Deep hole drilling & blasting given.	Deep hole drilling & blasting is being carried out.	Nil
3k	Provision of mining machineries in mineral benches	HEMM (Shovel Dumper Combination)	HEMM (Shovel Dumper Combination)	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	Nil
3m	Total area covered under excavation/pits	103.367 hect (2019-20)	81.19 ha(2018-19)	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1: 3.29	1:1.95	Nil
3o	Total area put in use under different heads at the end of year	2018-19: Pit-103.367 Dumps-248.82 Mineral Storage-5.75 Roads-8 Tailing Pond-50.4 Plant-10 Work Shop/ Office/ Stores-7 TOTAL:433.337	Pit-81.19 Dumps-113.82 Mineral Storage-15.1 Roads-10 Tailing Dumps-10.69 Plant-10 Work Shop/ Office/ Stores-5 TOTAL: 245.8	Nil

3p	Production of ROM mineral during the last five year period as applicable	2014-15-50 Lakh Tonnes 2015-16-65 Lakh Tonnes 2016-17-70 Lakh Tonnes 2017-18-70 Lakh Tonnes 2018-19-70 Lakh Tonnes 2019-20-39.66 Lakh Tonnes,	2014-15-55.88 Lakh Tonnes 2015-16-39.28 Lakh Tonnes 2016-17-32.23 Lakh Tonnes 2017-18-31.26 Lakh Tonnes 2018-19-30.90 Lakh Tonnes 2019-20-16.89 Lakh Tonnes( Up to Dec. 2019)	Nil
3q	General remarks of inspecting officers on method of mining etc.			Opencast Method of Mining adopted which 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)	Separate dumping of top soil, OB & Sub grade proposed.	Separate dumping of top soil, OB & Sub grade carried out	Nil
4b	Location of topsoil, OB and mineral reject dumps	Tiranga, Suras, Dhulkhera North & South	Tiranga, Suras, Dhulkhera North & South	Nil
4c	Number of dumps within lease area and outside of lease area	Total 25 dumps( 20 OB/waste + 05 Tailing dumps)	Total 25 dumps( 20 OB/waste + 05 Tailing dumps)	The nos. of dumps as per recently approved reveiw of mining plan.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	All dumps on barren land.	All dumps are on barren land and outside UPL.	Nil
4e	Number of active and alive dumps.	25	25	Nil
4f	Number of dead dumps.	Nil	Nil	Nil
4g	Number of dumps established.	Nil	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Gralnd drains are there.	Nil
4i	Length of Retaining wall or garland drain all along dumps	No specific proposal given	Garland drain was made.	Nil

4j	Number of settling ponds	Not proposed	None	Nil
4k	Specific comments of inspecting officer on waste dump management			No proper terracing of various waste dumps has been carried out hence violation of rule 11(1) of MCDR 2017 issued to the lessee vide this office letter dated 18.02.2020.

#### 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.	No proposal of backfilling is given.	Mining pits are active.No backfilling done.	Nil
5b	Area under backfilling of mined out area	No proposal of backfilling is given.	Mining pits are active.No backfilling done.	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	For Plantation.	For Plantation.	Nil
5d	Total area fully reclaimed and rehabilitated	There was no such proposals	No pit has been exhausted. Area is not matured for backfilling.	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.			The mining pits are active.No area is available for backfilling.

#### Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Annual report on PMCP shall be submitted up to 1 july for the previous year.	Annual report of PMCP for the year 2018-19 has not been submitted by the lessee.	Violation of Rule 26(2) of MCDR 2017 issued to the lessee for non submission of annual report of PMCP for the year 2018-19 vide this office letter dated 18.02.2020.
6b	Area available for rehabilitation (ha) .	No such proposal given	None	Nil
6c	afforestation done (ha).	Not specified	Not reported	Violation of Rule 26(2) of MCDR 2017 issued to the lessee for non submission of annual report of PMCP for the year 2018-19 vide this office letter dated 18.02.2020.
6d	No. of saplings planted during the year	10,000 nos.	Not reported, however as per annual return 2018-19 total 4669 nos. sapling planted within ML area.	Violation of Rule 26(2) of MCDR 2017 issued to the lessee for non submission of annual report of PMCP for the year 2018-19 vide this office letter dated 18.02.2020.
6e	Cumulative no .of plants	Not specified	Not reported	Violation of Rule 26(2) of MCDR 2017 issued to the lessee for non submission of annual report of PMCP for the year 2018-19 vide this office letter dated 18.02.2020.
6f	Any other method of rehabilitation	No such proposal given	Not applicable.	Nil
6g	Cost incurred on watch and care during the year	No proposal given	Not reported	Violation of Rule 26(2) of MCDR 2017 issued to the lessee for non submission of annual report of PMCP for the year 2018-19 vide this office letter dated 18.02.2020.

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal of backfilling.	None	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal of backfilling	Not applicable.	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No proposal	None	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No such proposal.	However rain water was accumulated at pit bottom.	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No such proposal	None	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	10000 nos.	Not reported, however as per annual return 2018-19 total 4669 nos. sapling planted within ML area.	Violation of Rule 26(2) of MCDR 2017 issued to the lessee for non submission of annual report of PMCP for the year 2018-19 vide this office letter dated 18.02.2020.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No such proposal given	None	Nil

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	None	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	As per E.C. & Consent to operate Conditions	As per E.C. & Consent to operate Conditions	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 for non submission of annual report of PMCP for the year 2018-19 vide this office letter dated 18.02.2020.

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal of sorting is given in approved mining plan.	Whole ROM is being used for captive beneficiation plant.	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	None	Nil
7c	Different grade of mineral sorted out at mines.	No proposal	None	Nil
7d	Any beneficiation process at mines .	Yes, beneficiation process available at mine.	Beneficiation is being carried out as per proposal.	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Whole ROM is being used for captive beneficiation plant.

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## 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	Plantation	Plantation	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Being carried out.	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Not applicable.	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	None	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Plantation of 10000 saplings/ year	Not reported	Violation of Rule 26(2) of MCDR 2017 issued to the lessee for non submission of annual report of PMCP for the year 2018-19 vide this office letter dated 18.02.2020.
8g	Survival rate	Not specified	96%	Nil
8h	Water sprinkling on roads to control airborne dust	Proposal of Wet drilling & water spraying through water tankers.	Wet drilling & spraying through water tankers is being carried out.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around mines area is good.

## Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. submitted up to Feb 18 A.R. Submitted up to 2018-19	Submission on time	Violation of Rule 45(7) issued to the lessee due to following discripencies in annual return 2018-19: 1)Under item 3 of Part IV, the OB removed has been shown 2160256 tonnes whereas in item 4.2 (C) (ii) during the year 6048717 tonnes of OB/Waste has been dumped in external dumps.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details given in AR	Found correct.	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details given	Found to be correct.	Nil
9d	Scrutiny of Annual return on afforestation	Details given	Found to be correct.	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No mineral reject generation	Found correct.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing stock of ROM 2.47 mt Closing stock of concentrate 49485.369 tonne	Found to be correct.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex mine price 4039.60 per tonne of concentrate	Found correct.	Nil
9h	Scrutiny of Annual return on fixed assets	Detail given	Found to be correct.	Nil

9k	Scrutiny of Annual return on mining machineries	Detail given	Found 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 cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	18-FEB-20			
MCDR17	Rule 26(2)	18-FEB-20			
	Rule 45(7)	18-FEB-20			

**Date :**

(D R GURJAR)

Indian Bureau of Mines