

**INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT 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 : **DJ03**) **DILIP JAIN**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Sh. Dinesh Patil, Mine Agent, Sh. Naveen Kumar Airan,
Official with
Designation
- (iv) Date of Inspection : 28-NOV-24
- (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 : ARAJI NO.9697/6711, NEAR TIRANGA HILLS
correspondance : 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 :

Mining Engineer
 Name : Sh. Naveen Kumar Airan, Full Time
 Qualification : BE Mining
 Appointment/ : 25-JUL-15
 Termination date

Geologist
 Name : Sh. Ramesh Parihar, Full Time
 Qualification : M. Sc. Geology
 Appointment/ : 23-NOV-20
 Termination date

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	A total of 4BHs with 985mtrs was proposed during the previous year 2022-23.	A total of 11 BHs with 2345 mtrs was carried out during the previous year 2022-23.	Nil
1b	Exploration over lease area for geological axis 1 or 2	During reporting year (RY) 2023-24, 6BH with 1545 meters of drilling was proposed.	During reporting year (RY) 2023-24, 6BH with 1045 meters of drilling was carried out.	Violation of Rule 11(1) of MCDR issued for short fall in drilling meters vide letter dated 28/01/2025.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal on expenditure and agency.	Agency: Jindal SAW Ltd, through contractor. Expenditure. Rs. 27.87 Lakhs	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	10.49 hectare.	10.49 hectare.	Nil
1e	Balance reserve as on 01/04/20	As per approved document dated 28/03/2024, the position of reserve and resource was 54.52 million tons and 133.45 million tons respectively.	The position of reserve and resource as on 01/04/2024 was 52.48 million tones and 133.45 million tons respectively.	Geologically, the region is considered to be a part of Bhilwara Super-Group. The strike of the rocks varies from N25E S25W to N55E-S55 W and dips vary from 65 to 80 towards southeast to even vertical. Short fall in drilling meters has been observed for which violation of rule 11(1) of MCDR, 2017 issued vide letter dated 28/01/2025.
1f	General remarks of inspecting officers on geology, exploration etc			Nil

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Development was proposed over five locations namely Tiranga, Samodi Dedhwas, Suras, Dhulkhera South and Dhulkhera North.	Development was carried out within proposed limits of the locations namely Tiranga, Samodi Dedhwas, Suras, Dhulkhera South and Dhulkhera North.	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal of top soil generation. Separate Benches in O/B & mineral. Height and width of 10 and 15 meters respectively proposed during the RY	No top soil generation during the reporting year. Separate Benches in O/B & Mineral. Height and width of the benches have been maintained as per proposal in Tiranga, Samodi Dedhwas, Suras. The widths of the benches were not maintained as per proposal in Dhulkhera South and Dhulkhera North block.	Violation of rule 11(1) of MCDR, 2017 issued for deviation in width of the benches vide letter dated 28/01/2025.
2c	Stripping ratio or ore to OB ratio	1: 0.46 T/T	1:0.51 T/T	Nil
2d	Quantity of topsoil generation in m3	No proposal.	Not applicable.	Nil
2e	Quantity of overburden generation in m3	3478415 CuM	2958338 CuM	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mine development carried out over proposed location, however, benches width has not been mentioned at places in in Dhulkhera South and Dhulkhera North block for which violation of rule 11(1) of MCDR, 2017 issued vide letter dated 28/01/2025.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	Total five pits namely Tiranga, Suras, Dhulkhera South, Dhulkhera North and Samodi Dedhwas was proposed for production.	Production has been carried out from the five pits namely Tiranga, Suras, Dhulkhera South, Dhulkhera North and Samodi Dedhwas.	Nil
3b	Quantity of ROM mineral production proposed	4301495.59 tons (ROM)	4132471.000 tons (ROM)	Nil
3c	Recovery of sailable/usable mineral from ROM production	Entire ROM is proposed to feed in beneficiation plant.	It was observed that ROM was being feed to the beneficiation plant.	Nil
3d	Quantity of mineral reject generation	No proposal of Mineral Reject (MR) generation.	No Mineral Reject (MR) generation during RY.	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable as no proposal of MR generation.	Not applicable.	Nil
3f	Quantity of sub grade mineral generation.	No proposal of Sub-grade (SG) generation.	No Sub-grade (SG) generation during	Nil
3g	Grade of sub grade mineral generation	Not applicable as no proposal of SG generation.	Not applicable.	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized for ROM beneficiation. Wet beneficiation by two stages of crushing & grinding each with magnetic separation.	Mechanized as per proposal.	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal of any fresh beneficiation study.	Not applicable.	Nil

3j	Provision of drilling and blasting in mineral benches	Proposal for deep hole drilling & blasting by 5 and 3.5 meter spacing and burden respectively.	Drilling and blasting is being carried out as per proposal.	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, suitable for proposed method of mining. Benches in OB & Mineral are proposed of 10m height.	The heights of the benches have been maintained as per proposal.	Nil
3m	Total area covered under excavation/pits	103.43 Ha at the end of the year c2023-24.	102.00 Ha Ha at the end of the year 2023-24.	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.46 T/T	1:0.51 T/T	Nil
3o	Total area put in use under different heads at the end of year	As per approved document dated 30/01/2023, an area of 379.63 hectare has been proposed to put in use under different heads.	An area of 335.57 hectare was put in use at the end of the year 2023-24.	Nil
3p	Production of ROM mineral during the last five year period as applicable	2019-20: 39.66 2020-21: 39.79 2021-22: 40.78 2022-23: 39.92 2023-24: 43.01	2019-20: 22.83 2020-21: 33.95 2021-22: 33.11 2023-24: 37.60 2023-24: 41.32	All figures in lacs tons.
3q	General remarks of inspecting officers on method of mining etc.			The open cast mechanised method of mining has been adopted which is best suited to the type of deposit.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal for topsoil and MR generation. Separate dumping of OB & dry tailing proposed.	No topsoil and MR generation during RY. Separate dumping of OB & dry tailing has been observed.	Nil
4b	Location of topsoil, OB and mineral reject dumps	Dumping of waste was proposed over the waste dumps namely DKS D3, SUR D2, SURD F1, TRD 6 and TRD (MBC).	Dumping of waste was carried over the proposed waste dumps namely DKS D3, SUR D2, SURD F1, TRD 6 and TRD (MBC) and TRST-2.	There was no proposal of dry tailing dumping in existing tailing dump namely TRST-2, however, dumping of same was observed, hence violation of rule 11(1) of MCDR, 2017 issued vide letter dated 28/01/2025..
4c	Number of dumps within lease area and outside of lease area	A total of 28 dumps (dry tailing and waste) of various dimensions within lease area.	A total of 28 dumps (dry tailing and waste) of various dimensions within lease area.	Waste dumps namely TRST-7, TRST-4 and TRD-5 and TRD-6 have been extended beyond the lease area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Most of the dumps are on barren land and few dumps are partly within UPL.	Most of the dumps are on barren land and few dumps are partly within UPL.	Nil
4e	Number of active and alive dumps.	28 dumps.	28 dumps.	Nil
4f	Number of dead dumps.	No proposal.	Not applicable.	Nil
4g	Number of dumps established.	No proposal.	Not applicable.	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Garland drain and retaining wall has been proposed.	Garland drain and retaining wall has been observed.	Nil
4i	Length of Retaining wall or garland drain all along dumps	RW: 965 m GD: 560 m	RW: 1000 m GD: 565 m	Nil
4j	Number of settling ponds	No proposal.	Not applicable.	Nil

4k	Specific comments of inspecting officer on waste dump management	Violation of MCDR, 2017 issued for dumping on non-approved area vide letter dated 28/01/2025..
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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 part or full extraction of mineral.	Mining pits are active and no area is matured for backfilling.	Nil
5b	Area under backfilling of mined out area	No proposal.	No area is matured for backfilling.	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal of top soil generation.	No top soil has been generated during RY 2023-24.	Nil
5d	Total area fully reclaimed and rehabilitated	No proposal.	No area is matured for backfilling.	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.			The mining pits are active. None of the area matured for full reclamation and rehabilitation.

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 holder of mining lease shall submit PMCP before 1st day of July every year.	Annual Report of PMCP for the year 2023-24 was submitted.	Nil

6b	Area available for rehabilitation (ha) .	No proposal.	None of the area matured for backfilling and rehabilitation.	Nil
6c	afforestation done (ha).	10.00 Ha	10.00 Ha	Nil
6d	No. of saplings planted during the year	10000 no. of saplings.	9893 no of saplings.	Violation of rule 11(1) of MCDR 2017 issued for shortfall in number of saplings vide letter dated 28/01/2025.
6e	Cumulative no .of plants	No proposal.	113614 at the end of the year 2023-24.	Nil
6f	Any other method of rehabilitation	No any other proposal.	Not applicable.	Nil
6g	Cost incurred on watch and care during the year	No proposal.	Rs. 256.4 Lakh	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal.	Not applicable.	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal.	Not applicable.	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal.	Not applicable.	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Not applicable.	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	10000 no. of saplings.	9893 no of saplings.	Violation of rule 11(1) of MCDR 2017 issued for shortfall in number of saplings vide letter dated 28/01/2025.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	10.00 Ha	10.00 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)	Environment parameters to be monitor for EC and other Conditions compliance.	Environment parameters are being monitored.	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Violation of rule 11(1) of MCDR 2017 issued for shortfall in number of saplings vide letter dated 28/01/2025.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral dispatch for beneficiation.	ROM mineral dispatch for beneficiation has been observed.	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	ROM beneficiation through mechanical means.	As per proposal.	Nil

7c	Different grade of mineral sorted out at mines.	No proposal of grade wise sorting.	No mineral sorting as ROM is being dispatch for mineral beneficiation.	Nil
7d	Any beneficiation process at mines .	Beneficiation process is available.	Beneficiation plant of 2.5 MTPA observed consist of crushing, milling ball and rod), Magnetic separator, Hydro-cyclones, Ceramic Disc filter, Thickner, Tailing filter press etc.	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No issue related mineral conservation observed during current inspection.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal of top soil generation.	No top soil has been generated during RY 2023-24.	Nil
8b	Concurrent use or storage of topsoil	No proposal.	Not applicable.	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal for topsoil and MR generation. Separate dumping of OB & dry tailing proposed.	No topsoil and MR generation during RY. Separate dumping of OB & dry tailing has been observed.	There was no proposal of dry tailing dumping in existing tailing dump namely TRST-2, however, dumping of same was observed, hence violation of rule 11(1) of MCDR, 2017 issued vide letter dated 28/01/2025.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal of use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use.	Not applicable.	Nil

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal.	Not applicable.	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	An area of 10.000 hectare with 10000 numbers of saplings was proposed to plant.	An area of 10.00 hectare with 9893 number of sapling has been planted during the RY.	Violation of rule 11(1) of MCDR 2017 issued for shortfall in number of saplings vide letter dated 28/01/2025.
8g	Survival rate	95%	95%	Nil
8h	Water sprinkling on roads to control airborne dust	Proposal of wet drilling & water spraying through water tankers.	Wet drilling & water 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 moderate.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	As per rule 45 of MCDR, 2017 monthly and annual return shall be submitted to RCOM.	Monthly and annual return for RY has been submitted.	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer- Naveen Kumar Airan, Geologist- Ramesh Parihar and Manager- Naveen Kumar Airan	Mining Engineer, Geologist and Mine manager has been appointed in the mine.	Nil

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	O/c Workings- 102.0 Ha, Waste Disposal- 200.14 Ha, Plant, Building, Road-33.43 Ha and Plantation- 110.25 Ha	Information furnished on land use appears to be in order.	Nil
9d	Scrutiny of Annual return on afforestation	Within ML: 9893 and Outside ML: 1146	Information furnished on plantation appears to be in order.	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not reported.	No mineral reject generation during RY.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM closing Stock: 843854.956 tons and Concentrate closing Stock: 727.340 tons.	Found to be in order.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Concentrate Ex-mine price and and cost of production: 4813.71 Rs per ton.	The cost of production and ex-mine price has been furnished in respect of concentration.	Nil
9h	Scrutiny of Annual return on fixed assets	Value of fixed assets furnished is: Rs. 7350140168.00	Seems corrected.	Nil
9k	Scrutiny of Annual return on mining machineries	Back Hoe, Front End loader, Dumper, Rock Drill, Dozer, Motor Grader, Crane, Water Tanker, Air compressor, Crusher, etc.	The information of mining machineries furnished appears in the order.	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 11(1)	28-JAN-25			

Date :

(DILIP JAIN)

Indian Bureau of Mines