

**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 : **B014** ) **CHANDRESH BOHRA**  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Sh. Naveen Kumar Airan, Sh. Dinesh S Patil  
Official with  
Designation
- (iv) Date of Inspection : 11-SEP-23
- (v) Prev.inspection date : 23-NOV-22

**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 : **Bhilwara**
- Post office : **Pur**
- Pin Code : **311802**
- FAX No. : **01482248417**
- E-mail : **dinesh.patil@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** : **50**
- (d) **Date of Expiry** : **07-DEC-60**
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 : NAVEEN AERAN, Full Time  
 Qualification : B.E ( MINING)  
 Appointment/ : 25-JUL-15  
 Termination date

## Geologist

Name : Ramesh Parihar, Full Time  
 Qualification : MSC(geology), PhD  
 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 Plan/Scheme of Mining	:	MP modif under MCR 1960	18-MAY-16
		MP modif under 17(3) MCR 2016	07-FEB-19
		MP review under 17(1) MCR 2016	04-MAR-20
		MP modif under 17(3) MCR 2016	30-JAN-23

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	01BH, 180mtrs	1 BH, 205mtrs	
1b	Exploration over lease area for geological axis 1 or 2	4BH, 985mtrs; (For upgradation of Resources to Reserves)	4BHs, 800mtrs as per proposal + 6 BHs =1340mtrs Total= 2140mtrs	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Jindal SAW Ltd, through contractor @ Rs 2667 =Rs 26.26Lakhs	Jindal SAW Ltd, through contractor @ Rs 2677 (2345mtrs X Rs 2677 per meter) =Rs 62.78Lakhs	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserve as on 01/04/20	NA	45.51 Million Tons(111) 6.57 Million Ton(121/122)=Total (52.08 Million Ton)	
1f	General remarks of inspecting officers on geology, exploration etc	NA	The overall status of geology and exploration may be considered as satisfactory.	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Tiranga Tiranga North Suras DKS DKN	Tiranga Tiranga North Suras DKS DKN	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate Benches in O/B & in Mineral	Separate Benches in O/B & in Mineral	
2c	Stripping ratio or ore to OB ratio	1: 3.23	1:2.23	

2d	Quantity of topsoil generation in m3	Nil	Nil
2e	Quantity of overburden generation in m3	4776604 cum.	3103478 cum.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NA	The present status of development w.r.t type of deposit may be considered as satisfactory.

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Five (5): Tiranga Tiranga North Suras DKS DKN	Five (5): Tiranga Tiranga North Suras DKS DKN	
3b	Quantity of ROM mineral production proposed	39.92 Lakh Mt	37.60 Lakh Mt	
3c	Recovery of sailable/usable mineral from ROM production	30% recovery	30% Mixed with Lampiya ROM to form Raw Mix	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not in proposal	Nil
3j	Provision of drilling and blasting in mineral benches	Deep hole drilling & blasting 115-165 mm dia deep holes	Deep hole drilling & blasting 115-165 mm dia deep holes
3k	Provision of mining machineries in mineral benches	HEMM (Shovel Dumper Combination)	HEMM (Shovel Dumper Combination)
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes Height proposed: 10 m	Yes Height proposed: 10 m
3m	Total area covered under excavation/pits	109.6 Ha	91.204 Ha
3n	Ore to OB ratio for the pit/mine during the year.	1: 3.23	1: 2.23
3o	Total area put in use under different heads at the end of year	Pit-109.6 Dumps-243.52 Mineral Storage-22.38 Roads-10.28 Tailing Pond-10.04 Plant-18.15 Work Shop/ Office/ Stores-5.0 TOTAL:418.97	Pit- 91.204 Dumps-171.8881 Mineral Storage-8.8106 Roads-10.28 Tailing Pond-10.04 Plant-18.15 Work Shop/ Office/ Stores-5 TOTAL: 315.3727
3p	Production of ROM mineral during the last five year period as applicable	2018-19: 70.00 2019-20: 39.66 2020-21: 39.79 2021-22: 40.78 2022-23: 39.92 2023-24: 43.01	2018-19: 30.90 2019-20: 22.83 2020-21: 33.95 2021-22: 29.79 2022-23: 37.60 2023-24: 18.84
3q	General remarks of inspecting officers on method of mining etc.	NA	The present status of method of mining may be considered as satisfactory.

## 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 OB & Ore proposed	Separate dumping of OB & Ore carried out	OB
4b	Location of topsoil, OB and mineral reject dumps	Tiranga, Suras, Dhulkhera North & South	Tiranga, Suras, Dhulkhera North & South	
4c	Number of dumps within lease area and outside of lease area	25 dumps within lease area	25 dumps within lease area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	On barren land and outside UPL	All dumps are on barren land and outside UPL	
4e	Number of active and alive dumps.	25	25	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Not in proposal	Not applicable	
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Yes	
4i	Length of Retaining wall or garland drain all along dumps	RW: 1480 m GD: 1760 m	1550 m 1800 m	
4j	Number of settling ponds	No such proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management	NA	The present status of waste dumpe management may be considered as 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.	Not Applicable	Not Applicable	

5b	Area under backfilling of mined out area	Not Applicable	Not Applicable
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not in proposal	Nil
5d	Total area fully reclaimed and rehabilitated	Not Applicable	Not Applicable
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NA	The area is not matured for further backfilling and 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).	Annual Report to be Submitted.	Annual Report Submitted vide E-mail dated 07.07.2023	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	7.1 Ha	10.00 Ha	
6d	No. of saplings planted during the year	10000	10111 (WML) 1250 (OML)	
6e	Cumulative no .of plants	110000	103610 (WML) 29793 (OML)	
6f	Any other method of rehabilitation	No such proposal	Nil	
6g	Cost incurred on watch and care during the year	--	178.8 Lakh Rs	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	NA	NA
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NA	NA
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	NA
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	10000 Plants	10111 Plants
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	7.1 Ha	10.00 Ha
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Afforestation	Afforestation



6p	Compliance of environmental monitoring (core zone and buffer zone)	As per E.C. & Consent Conditions	Yes, as per E.C. & Consent Conditions
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NA	The present status of PMCP compliance and progressive closure operations may be considered as satisfactory.

---

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	39.92 Lakh Mt Captive Consumption	41.53 Lakh Mt Captive Consumption	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	NA	
7c	Different grade of mineral sorted out at mines.	ROM	ROM	
7d	Any beneficiation process at mines .	Yes	ROM produced from mine is crushed in Jaw Crusher & Cone Crusher to -6mm. Crushed ROM (-6mm) fed to Ball Mill & Rod Mill combination in Beneficiation Plant to produce 200 mesh pulp. Magnetic part of this pulp is separated through magnetic separators.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NA	The present status of Mineral Conservation and Beneficiation may be considered as satisfactory.	

---

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No such proposal	Nil	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	243.52 Ha at the end of the 2024-25	171.8881 Ha	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposals for sale as Masonry Stone	Permission Received, STP Awaited	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	10000 Nos (7.1 Ha)	10011 (10Ha) 103721(100.25 Ha-WML) 29793 (30.3hect OML)	
8g	Survival rate	70%	95%	
8h	Water sprinkling on roads to control airborne dust	Yes	Wet drilling & water spraying through water tankers	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NA	The present status of aesthetic beauty in and around mines area may be considered as satisfactory.	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

9a	Status of submission of Monthly and Annual returns	Yes as per rule	MR submitted up to Mar - 23 AR submitted up to 2022-23
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	MM- NK Airan ME- NK Airan MG- Ramesh Parihar	MM- NK Airan ME- NK Airan MG- Ramesh Parihar
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	O/c Workings- 100.01 Ha Waste Disposal- 181.93Ha Plantation- 100.25Ha Plant, Building, Road-33.43 Ha	O/c Workings- 100.01 Ha Waste Disposal-181.93Ha Plantation-100.25Ha Plant, Building, Road- 33.43 Ha
9d	Scrutiny of Annual return on afforestation	10011(WML)1250 (OML)	10011(WML)1250(OML)
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	1340548.956Mt 8423.850 Mt	As above
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NA	Captive mines
9h	Scrutiny of Annual return on fixed assets	Information on Fixed assets furnished.	As above
9k	Scrutiny of Annual return on mining machineries	HEMM (Shovel and dumper combination)	As above with other machineries.

---

**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

**Date :**

(CHANDRESH BOHRA)

Indian Bureau of Mines