

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

**MCDR INSPECTION REPORT**

**Ajmer regional office**

**Mine file No :** RAJ/BLW-439/IO-02

**Mine code :** 30RAJ06002

- (i) Name of the Inspecting : **G021** ) **D R GURJAR**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri Dinesh Patil, Mine Agent & Shri Sanjay Pandey, M  
Official with  
Designation
- (iv) Date of Inspection : 05-DEC-19
- (v) Prev.inspection date : 17-NOV-17

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **LAMPIYA(627/05)**
- (b) **Registration NO.** : **IBM/5710/2011**
- (c) **Category** : **A Fully Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **RAJASTHAN**
- District : **BHILWARA**
- Village : **LAMPIYA**
- Taluka : **BANERA**
- Post office : **MAHUWA KHURD**
- Pin Code : **311011**
- FAX No. : **01482248417**
- E-mail : **sunil.pandey@jindalsaw.com**
- Phone : **0148224817**
- (f) **Police Station** : **Banera**
- (g) **First opening date** : **24-SEP-12**
- (h) **Weekly day of rest** : **SUN**
2. **Address for** : **Tiranga Hills**  
**correspondance** **Village& post-Pur**  
**Distt.Bhilwara (Raj)-311802**
3. (a) **Lease Number** : **RAJ4482**
- (b) **Lease area** : **433.1**
- (c) **Period of lease** : **30**
- (d) **Date of Expiry** : **09-MAY-42**
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 sanjay Kumar Pandey, Full Time  
 Qualification : BE(Mining)  
 Appointment/ : 10-AUG-16  
 Termination date

## Geologist

Name : Ramesh Parihar, Full Time  
 Qualification : MSC(geology), PhD  
 Appointment/ : 13-JUL-17  
 Termination date

## Manager

Name : Sh. Sanjay Kumar Pandey  
 Qualification : BE(Mining)  
 Appointment/ : 10-AUG-16  
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining : MP modif under MCR 1960 04-APR-16  
 MP modif under 17(3) MCR 2016 27-JUL-18

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration proposal during the previous year 2018-19.	No exploration work 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 no exploration was proposed.	No exploration has been carried out.	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No exploration proposal during the previous year 2018-19.	None	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	During the year 2018-19, no exploration was proposed.	No exploration has been carried out during the year 2018-19.	Mineralised area 47.25 ha.( G1-29.25 ha.,G2-18 ha). Exploration proposed by 06 bore holes drilling during the year 2020-21 & 2021-22 to upgrade G2 level(18 hect.) to G1 level.
1e	Balance reserve as on 01/04/20	Balance reserves as on 01.04.2019 (Million Tons) 111-8.30 121/122-17.26	Balance reserves as on 01.04.2019 (Million Tons) 111-8.30 121/122-17.26	Nil
1f	General remarks of inspecting officers on geology, exploration etc			No issue related to exploration & geology.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	Towards South West portion of the lease area in Lampiya South Block.	Almost as per proposal.	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate Benches in O/B & in Mineral	Separate Benches in O/B & in Mineral, however bench height & wodth have not been maintained as per approved proposal.	Violation of Rule 11(1) of MCDR 2017 issued to the lessee for not maintaining bench height & width as per approved proposal.
2c	Stripping ratio or ore to OB ratio	1:0.26 (18-19)	1:0.66(2018-19)	ROM:OB( ton:ton)
2d	Quantity of topsoil generation in m3	No proposal	Nil	Nil
2e	Quantity of overburden generation in m3	2018-19 9350m3	2018-19 32243m3	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Violation of Rule 11(1) of MCDR 2017 issued to the lessee for not maintaining bench height & width as per approved proposal.

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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	Nil
3b	Quantity of ROM mineral production proposed	2018-19: 98369 Tons	2018-19: 131800 Tons	For excess ROM production during the year 2018-19, violation letter followed by show cause notice of Rule 11(1) of MCDR 2017 has already been issued to the lessee based on office record.

3c	Recovery of sailable/usable mineral from ROM production	All the ROM mineral disptached to captive beneficiation plant located in another lease area of the lessee.	All the ROM mineral disptached to captive beneficiation plant located in another lease area of the lessee.	Nil
3d	Quantity of mineral reject generation	No proposal	No mineral reject generated during the year 2018-19.	Nil
3e	Grade of mineral rejects generation and threshold value declared.	No mineral reject generation proposal.	No mineral reject generated hence not applicable.	Nil
3f	Quantity of sub grade mineral generation.	No proposal	No subgrade mineral generated.	Nil
3g	Grade of sub grade mineral generation	No proposal	Not applicable	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	All ROM feed to captive beneficiation plant	All ROM feed to captive beneficiation plant	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No Proposal	None	Nil
3j	Provision of drilling and blasting in mineral benches	Deep hole drilling & blasting	Deep hole drilling & blasting	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 suitable	Nil
3m	Total area covered under excavation/pits	13.28 Ha	3.12 Ha	Nil

3n	Ore to OB ratio for the pit/mine during the year.	1:0.26 (18-19)	1:0.66(2018-19)	ROM:OB( ton:ton)
3o	Total area put in use under different heads at the end of year	43.897 Ha ( up to year 2019-20)	9.73 Ha	Nil
3p	Production of ROM mineral during the last five year period as applicable	2015-16: 600000 T 2016-17: 1200000 T 2017-18: 1200000 T 2018-19: 98369 T 2019-20: 144654 T	2015-16: 650 T 2016-17: 88200 T 2017-18: 78311 T 2018-19: 131800 T 2019-20: 63450 T( Up to Nov. 2019)	For excess ROM production during the year 2018-19, violation letter followed by show cause notice of Rule 11(1) of MCDR 2017 has already been issued to the lessee based on office record.
3q	General remarks of inspecting officers on method of mining etc.			Method of mining 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 OB was proposed.	Separate dumping of OB has been carried out.	Nil
4b	Location of topsoil, OB and mineral reject dumps	OB/waste dumping was proposed in South western part of the lease area near boundary pillar F.	OB/Waste dumping has been carried out at designated place as per approved proposal.	Nil
4c	Number of dumps within lease area and outside of lease area	One Dump within lease area	One Dump within lease area	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dump on barren land and outside UPL.	Dump on barren land and outside UPL.	Nil
4e	Number of active and alive dumps.	One	One	Nil
4f	Number of dead dumps.	No proposal	Nil	Nil

4g	Number of dumps established.	No proposal	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Garland drain proposed	Garland drain along the dump was observed.	Nil
4i	Length of Retaining wall or garland drain all along dumps	No specific proposal given during the year 2018-19.	Garland drain was observed along the waste dump.	Nil
4j	Number of settling ponds	No proposal	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management			No issue was observed related to waste dump management.

#### 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 during the year 2018-19.	Nil	Nil
5b	Area under backfilling of mined out area	No proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No top soil generation proposal	No top soil generated.	Nil
5d	Total area fully reclaimed and rehabilitated	No proposal during the year 2018-19	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No backfilling & reclamation work carried out during the year 2018-19.

#### 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 of PMCP to be submitted up to 1st July for the previous financial year.	PMCP report 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 PMCP report.
6b	Area available for rehabilitation (ha) .	1 ha.	0.3 hect.	Nil
6c	afforestation done (ha).	1 ha.	0.3 hect.	Plantation has not been carried out as per approved proposal hence violation of Rule 11(1) of MCDR 2017 issued to the lessee.
6d	No. of saplings planted during the year	1000 nos.	300 nos.	Plantation has not been carried out as per approved proposal hence violation of Rule 11(1) of MCDR 2017 issued to the lessee.
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 PMCP report.
6f	Any other method of rehabilitation	No proposal	None	Nil
6g	Cost incurred on watch and care during the year	Rs. 50000	Not reported.	Violation of Rule 26(2) of MCDR 2017 issued to the lessee for non submission of PMCP report.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal of backfilling	Not applicable.	Nil



6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No backfilling proposal	Not applicable	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No afforestation proposal over backfilled area.	None	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	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	1000 nos.	300 nos.	Plantation has not been carried out as per approved proposal hence violation of Rule 11(1) of MCDR 2017 issued to the lessee.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	1 ha	0.3 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)	As per E.C. Conditions	As per proposal	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 PMCP report.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	It is proposed that all ROM mineral dispatched to captive beneficiation plant.	All ROM mineral dispatched to 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	Nil	Nil
7d	Any beneficiation process at mines .	At captive plant located at Dhedwas mines (ML No-631/2005) of the lessee.	At captive plant located at Dhedwas mines (ML No-631/2005) of the lessee.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No issue was observed related to mineral conservation.

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No top soil generation proposal during the year 2018-19.	No top soil generated during the year 2018-19	Nil

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8b	Concurrent use or storage of topsoil	No top soil generation proposal	Not applicable	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump of OB/waste.	Separate dumping of OB/waste has been carried out as per approved proposal	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No such proposal given	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal given during the year 2018-19	None	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	During the year 2018-19 total 1000 nos. sapling was proposed.	During the year 2018-19 total 300 nos. sapling planted.	Plantation has not been carried out as per approved proposal hence violation of Rule 11(1) of MCDR 2017 issued to the lessee.
8g	Survival rate	Not specified	60%	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty is good in and around mine area.

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#### Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R Submitted up to: Dec 2019 A.R. Submitted up to: 2018-19	M.R Submitted up to: Oct 2019 A.R. Submitted up to: 2018-19	Nil

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mr Sanjay Kumar Pandey, Mining engineer & Mine Manager Mr Ramesh Parihar, Geologist	Found ok	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pits: 3.12 Ha Dumps: 1.32 Ha Roads: 2.29 Ha Plantation: 3 Ha	Detials seems correct.	Nil
9d	Scrutiny of Annual return on afforestation	No plantation details furninhed in Annual Return.	No detail furnished in AR.	Plantation has not been carried out as per approved proposal hence violation of Rule 11(1) of MCDR 2017 issued to the lessee.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No mineral reject generation shown.	No mineral reject generated.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM Stock: 309.390 Mt	Seems to be correct.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Production cost Rs. 351.88 per tonne .	Out of this cost Rs. 195.09 per tonne has been shown as transportation.	Violation of Rule 45(7) of MCDR 2017 issued to the lessee for discrepencies in Cost of Production & Other discrepencies annual return 2018-19.
9h	Scrutiny of Annual return on fixed assets	No detail given in AR. The details given in another mine return(Dedhwas Mine Return Mine code 30RAJ06001)	No detail furninhed in this return.	Nil
9k	Scrutiny of Annual return on mining machineries	Details given	Found 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)	31-DEC-19			
MCDR17	Rule 35(2)	31-DEC-19			
MCDR17	Rule 26(2)	31-DEC-19			
MCDR17	Rule 45(7)(c)	31-DEC-19			

**Date :**

(D R GURJAR)

Indian Bureau of Mines