

**INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT 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 : Deputy Controller Mines
- (iii) Accompanying mine : Shri Sunil Kumar Trivedi, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 25-OCT-24
- (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 : dinesh.patil@jindalsaw.com
- Phone : 0148224817
- (f) Police Station : Banera
- (g) First opening date : 24-SEP-12
- (h) Weekly day of rest : SUN
2. Address for : Jindal Saw Ltd., Araj 9697/6711,
correspondance Near Tiranga Hills,Village-Pur,
Tehsil & District Bhilwara 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 : Sh. H.S Chaudhary
 Jindal SAW Ltd. A-1,
 UPSIDCC Industrial Area,
 Nand Goan Road, Kosi Kalan
 MATHURA UTTAR PRADESH
 Phone: 09837061176
 FAX : 09837061176

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

Mining Engineer
 Name : Sunil Kumar Trivedi, Full Time
 Qualification : BE Mining & FCC R
 Appointment/ : 01-JUL-21
 Termination date

Geologist
 Name : . Divakar Arora, Full Time
 Qualification : MSC Geology
 Appointment/ : 01-DEC-23
 Termination date

Manager
 Name : Sunil Kumar Trivedi
 Qualification : BE Mining & FCC R
 Appointment/ : 01-JUL-21
 Termination date

6. Date of approval of Mining	:	MP modif under MCR 1960	04-APR-16
Plan/Scheme of Mining	:	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	During the previous year 2022-23 total 05 bore holes proposed.	During the year 2022-23 total 06 bore hole drilling carried out.	No backlog of previous year 2022-23.
1b	Exploration over lease area for geological axis 1 or 2	During the year 2023-24 total 06 bore holes(1240m) proposed.	During the year 2023-24 total 7 bore holes(986m) drilling carried out.	For shortall in respect of meterage of drilling during the RY 2023-24, violation of Rule 11(1) of MCDR 2017 issued vide letter dated 18.11.2024.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No agency & expenditures specified.	Agency- M/s JSL through contractor Expenditures- 29.25 Lakhs	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	Exploration proposed to upgrade 18 hectrae G2 area into G1 level during the last plan period i.e. 2021-22 to 2024-25.	Exploratory drilling is going on to upgrade 18 hectare G2 area into G1 level.	Total lease area 433.1033 hect. area. Mineralised area-47.26 hect. (G1-29.26 hect. +18 hect. G2 level).
1e	Balance reserve as on 01/04/20	No specific proposal given.	The position of reserve as on 01.04.2024: 111: 9.091 mt, 121: 2.241 mt, 122: 4.129 mt	mt- Million Tonnes
1f	General remarks of inspecting officers on geology, exploration etc			For shortall in respect of meterage of drilling during the RY 2023-24, violation of Rule 11(1) of MCDR 2017 issued vide letter dated 18.11.2024.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	During the year 2023-24 mine development was proposed between UTM grid E463020 to 4643940 & 2813950N to 2814680N	Mine developmet has been carried out during the reporting year within proposed limit.	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No top soil bench proposal. Separate benches of OB & Mineral was proposed having 10m height of each bench.	No top soil bench. Separate benches of OB & Mineral was observed having 10m height of each bench.	Nil
2c	Stripping ratio or ore to OB ratio	2023-24: 1:1.30	2023-24: 1: 0.86	During the year 2023-24, the Ore to OB ratio was proposed 1: 1.30 (ton: ton) whereas actual Ore to OB ratio was achieved 1: 0.86 (ton: ton) it shows that proportionate mine development has not been carried out as per proposal, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 18.11.2024.
2d	Quantity of topsoil generation in m3	No top soil generation proposal during the reporting year 2023-24.	No top soil generated during the year 2023-24.	Nil
2e	Quantity of overburden generation in m3	2023-24: 882900 cum	2023-24: 580306 cum	Less OB generated during the RY 2023-24. Violation of devaition in ore to OB ratio with respect to proposal has been issued.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	During the year 2023-24, the Ore to OB ratio was proposed 1: 1.30 (ton: ton) whereas actual Ore to OB ratio was achieved 1: 0.86 (ton: ton) it shows that proportionate mine development has not been carried out as per proposal, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 18.11.2024.
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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	2023-24: 18.29 Lakh Tonnes	2023-24: 18.27 Lakh Tonnes	Nil
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	Entire ROM mineral disptached from mines.
3d	Quantity of mineral reject generation	No proposal	No mineral reject generated during the reporting year.	Nil
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	Not applicable	Nil
3f	Quantity of sub grade mineral generation.	No proposal	No subgrade mineral generated during the reporting year.	Nil
3g	Grade of sub grade mineral generation	No proposal	Not applicable	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal of segregation from ROM.	Not applicable	Nil

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal during the reporting year 2023-24.	None during the RY.	Nil
3j	Provision of drilling and blasting in mineral benches	Deep hole drilling(115-165 mm dia) & blasting proposed.	Deep hole drilling(115-165 mm dia) & has been carried out.	Nil
3k	Provision of mining machineries in mineral benches	Backhoe & Dumper Combination	Backhoe & Dumper Combination	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes Height proposed: In OB-10 m In Ore- 10 m	Yes Height of benches: In OB-10 m In Ore- 10 m	Nil
3m	Total area covered under excavation/pits	15.22 hect.	14.37 hect.	Up to year 2023-24.
3n	Ore to OB ratio for the pit/mine during the year.	2023-24: 1:1.30	2023-24: 1: 0.86	During the year 2023-24, the Ore to OB ratio was proposed 1: 1.30 (ton: ton) whereas actual Ore to OB ratio was achieved 1: 0.86 (ton: ton) it shows that proportionate mine development has not been carried out as per proposal, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 18.11.2024.
3p	Production of ROM mineral during the last five year period as applicable	2019-20: 144654 2020-21: 968380 2021-22: 1407000 2022-23: 1800030 2023-24: 1828800 2024-25: 1802145	2019-20: 63450 2020-21: 836027 2021-22: 1401262 2022-23: 1792437 2023-24: 1826979 2024-25: 518771(Up to Sept 24)	Figures in Tonnes

3q	General remarks of inspecting officers on method of mining etc.	Opencast fully mechanised mining method adopted which is suited to the type of 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)	No proposal of dumping of Soil & Reject. OB dumping proposed.	No dumping of soil & reject. The dumping of OB was observed.	Nil
4b	Location of topsoil, OB and mineral reject dumps	OB dumping location: N 2814546-N 2815032 & E 463500-E 464078	OB dumping has been carried out within N 2814625- N 2814955 & E 463625- E 464035	However no proper terracing of waste dump WD2 has been carried out, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 18.11.2024.
4c	Number of dumps within lease area and outside of lease area	2 OB dumps within lease area	2 OB dumps within lease area	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Both existing OB dumps are within UPL	Both existing OB dumps are within UPL.	Nil
4e	Number of active and alive dumps.	02	02	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.	Retaining wall & garland drain proposed during the year.	Garland drain observed around the dump area. Retaining wall not observed.	During the year 2023-24, total 70m retaining wall was proposed but no such retaining wall was observed, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 18.11.2024.

4i	Length of Retaining wall or garland drain all along dumps	Year 2023-24: Garland Drain & Retaining wall- 70m	Garland drain-80m.	During the year 2023-24, total 70m retaining wall was proposed but no such retaining wall was observed, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 18.11.2024.
4j	Number of settling ponds	No proposal	Not applicable	Nil
4k	Specific comments of inspecting officer on waste dump management			No proper terracing of waste dump WD2 has been carried out and during the year 2023-24, total 70m retaining wall was proposed but no such retaining wall was observed, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 18.11.2024.

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 during the year 2023-24.	No backfilling has been carried out during the RY 2023-24.	Nil
5b	Area under backfilling of mined out area	No proposal during the RY 2023-24.	No backfilling during the RY 2023-24.	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No top soil generation proposal during the RY 2023-24.	No top soil generated during the RY, hence not applicable.	Nil
5d	Total area fully reclaimed and rehabilitated	No proposal of fully reclamation & rehabilitation during the year 2023-24.	No area fully reclaimed & rehabilitated during the RY 2023-24.	Nil

5e	General remarks of inspecting officers on backfilling and reclamation etc.	Mine working has not been reached up to UPL depth hence area not matured for backfilling & reclamation.
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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).	Annual Report on PMCP under Rule 26(2) of MCDR 2017 shall be submitted before 1st July for previous financial year.	Annual report of PMCP for the year v2023-24 submitted timely.	Nil
6b	Area available for rehabilitation (ha) .	No proposal	Not applicable	Nil
6c	afforestation done (ha).	2023-24: 1 hect.	2023-24: 3.0 hect.	Nil
6d	No. of saplings planted during the year	2023-24: 1000 nos.	2023-24: 3100 nos.	Nil
6e	Cumulative no .of plants	No specific proposal given in this regard.	10600 nos.	Up to year 2023-24.
6f	Any other method of rehabilitation	No proposal	Not applicable	Nil
6g	Cost incurred on watch and care during the year	Not specified	Rs. 26.31 Lakhs	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 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	However rain water accumulated at the pit bottom.
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	During the RY 2023-24 total 1000 nos. of plantation was proposed.	During the year 2023-24 total 3100 sapling planted. Cumulative plantation- 10600nos. up to year 2023-24.	Nil
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No proposal	Not applicable	Nil
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposal	Not applicable	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environmental monitoring was proposed at core & buffer zone.	Environmental monitoring is being carried out at core & buffer zone. The parameters are within permissible limit.	Nil

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	PMCP compliances is satisfactory.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Entire ROM mineral dispatch to captive beneficiation plant situated in Bhilwara district.	No grade wise sorting has been carried out, entire ROM mineral dispatch to captive beneficiation plant situated in Bhilwara district.	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal of grade wise sorting proposed	Not applicable	Nil
7c	Different grade of mineral sorted out at mines.	No sorting proposed of different grade.	Not applicable	Nil
7d	Any beneficiation process at mines .	No beneficiation at mines. Entire ROM ROM mineral dispatch to captive beneficiation plant situated in Bhilwara district.	No beneficiation at mines. Entire ROM ROM mineral dispatch to captive beneficiation plant situated in Bhilwara district.	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No issue observed related to mineral conservation.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	No top soil generation proposal during the RY 2023-24.	No top soil generated during the RY 2023-24.	Nil
8b	Concurrent use or storage of topsoil	No top soil generation proposal	No top soil generated hence not applicable.	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumps of OB proposed. No dumps of reject & fines was proposed.	Separate dumping of OB has been carried out.	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No such proposal given during the RY 2023-24.	No OB used during the RY 2023-24 for restoring the land to its original use.	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No such proposal given during the RY 2023-24	Not applicable	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	During the RY 2023-24 total 1000 nos. of plantation was proposed.	During the year 2023-24 total 3100 sapling planted. Cumulative plantation- 10600nos. up to year 2023-24.	Nil
8g	Survival rate	90%	95%	As per AR 2023-24.
8h	Water sprinkling on roads to control airborne dust	Water sprinkling was proposed.	Water sprinkling was observed.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The general aesthetic beauty in and around mines area is satisfactory.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	As per Rule 45 of MCDR 2017, annual return shall be submitted up to 30th June for previous financial year & monthly return shall be submitted before 10th for previous month.	Annual return 2023-24 & monthly returns submitted timely.	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details given in AR 2023-24: Sh. S.K.Trivedi (Mining Engineer & Mines Manager) Sh. Divakar Arora (Geologist)	Correct details furnished.	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details given in AR 2023-24: O/c Workings- 15.77* Ha Waste Disposal- 14.69Ha Plantation- 10.5Ha	In openast working the mineral storage area also included. Details seems corrected.	Nil
9d	Scrutiny of Annual return on afforestation	Details given in AR 2023-24: 3100 nos. of sapling having 95% survival rate. Total nos. of trees at the end of year- 10600 nos.	Deatils seems corrected.	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No reject generation reported in AR 2023-24	No reject generated during the RY 2023-24.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Details given in AR 2023-24: ROM Stock- 302489.810 tonnes	Seems corrected	Nil

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Details given in AR 2023-24: Cost of production per tonne- Rs. 374.45	It is captive mine. Details seems corrected.	Nil
9h	Scrutiny of Annual return on fixed assets	No fixed assets reported in AR 2023-24.	Details seems corrected as no fixed assets observed.	Nil
9k	Scrutiny of Annual return on mining machineries	In AR 2023-24 mine machineries details furnished.	Detail seems corrected.	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)	22-NOV-24			

Date :

(D R GURJAR)

Indian Bureau of Mines