

**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 : **DJ03**) **DILIP JAIN**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Shri Dinesh Patil, Mine Agent & Shri Sanjay Pandey, M
Official with
Designation
- (iv) Date of Inspection : 14-APR-21
- (v) Prev.inspection date : 05-DEC-19

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	:	MP modif under MCR 1960	04-APR-16
Plan/Scheme of Mining	:	MP modif under 17(3) MCR 2016	27-JUL-18
	:	MP review under 17(1) MCR 2016	20-JAN-20

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal of exploration during previous year.	No exploratory drilling was carried out during the previous year.	NIL.
1b	Exploration over lease area for geological axis 1 or 2	03 BHs with 385 mts of drilling during reporting year 2020-21.	06 BHs with 875 mts of drilling during reporting year 2020-21.	NIL.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Agency: Lessee through contractor. No specific proposal about expenditure.	Agency: Lessee through contractor. Expenditure: 22.31 Lakh	NIL.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No mineralised area under G3/G4 level.	Entire mineralised area explored under G1/G2 level of exploration.	Mineralised area: 47.25 Hect (G1: 29.25 Hect and G2:18 Hect).
1e	Balance reserve as on 01/04/20	As per approved document dated 20/01/2020, the position of reserve and resource as on 01/12/2019 was 25.50 and 18.18 million tonnes respectively.	The position of reserve and resource as on 01/04/2021 was 24.66 and 18.18 million tonnes respectively.	Depletion from approved figures was 0.84 million tonnes.
1f	General remarks of inspecting officers on geology, exploration etc	03 BHs with 385 mts of drilling during reporting year 2020-21.	06 BHs with 875 mts of drilling during reporting year 2020-21.	Entire mineralised area explored under G1/G2 level of exploration.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	Development was proposed between grid N2813930 to 2814365/E46295 5 to 463450.	Development was carried out within proposed limits.	NIL.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal of top soil generation. Separate Benches in O/B & Mineral.	No top soil generation. Separate Benches observed in O/B & Mineral.	The height and width of the benches were not maintained as per proposal. Violation of rule 11(1) issued vide letter dated 04/05/2021.
2c	Stripping ratio or ore to OB ratio	1:0.62 CuM/CuM	1:0.43 CuM/CuM	Stripping ratio not maintained as per proposal. Violation of rule 11(1) issued vide letter dated 04/05/2021.
2d	Quantity of topsoil generation in m3	No proposal of top soil generation.	No top soil was generated.	NIL.
2e	Quantity of overburden generation in m3	171350.0 CuM or 462645.0 Tone	103459.0 CuM or 279339.0 tone	It was informed during the inspection that less generation of OB/waste was in account of less development due to COVID-19 pandemic.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Development was proposed through open cast method of mining.	The open cast mechanised method has been adopted for carrying out mining operations in the lease area.	The open cast mechanised method has been adopted for the purpose of development which is best suited to the type of deposit.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One.	One.	NIL.
3b	Quantity of ROM mineral production proposed	968380 Tonnes.	836027 Tonnes	Less production in account of less development and COVID-19 pandemic.

3c	Recovery of sailable/usable mineral from ROM production	Entire ROM is proposed to feed in beneficiation plant located in Dhedwas Mining Lease area of the company.	ROM is dispatches to beneficiation plant as per proposal.	NIL.
3d	Quantity of mineral reject generation	No proposal of Mineral Reject generation.	No Mineral Reject generation.	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 of Sub-grade Mineral generation.	No Sub-grade generation.	NIL.
3g	Grade of sub grade mineral generation	No proposal.	Not applicable.	NIL.
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal.	Not applicable.	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	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, suitable for proposed method of mining.	The height of the benches were not maintained as per proposal.	Violation of rule 11(1) issued vide letter dated 04/05/2021.

3m	Total area covered under excavation/pits	13.81 Hect. at the end of the plan period i.e. 2024-25.	An area of 4.52 Hect. has been reported under excavation/pit during mine inspection.	NIL.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.62 CuM/CuM	1:0.43 CuM/CuM	Stripping ratio not maintained as per proposal. Violation of rule 11(1) issued vide letter dated 04/05/2021.
3o	Total area put in use under different heads at the end of year	As per approved document dated 20/01/2020, total area of 39.202 hect has been proposed to put in use under different heads at the end of year 2024-25.	It is informed during mine inspection that total of 12.93 Hect. area has been utilized under different heads as on 01/04/2021.	NIL.
3p	Production of ROM mineral during the last five year period as applicable	2016-17: 1200000 2017-18: 1200000 2018-19: 98369 2019-20: 144654 2020-21: 968380 All figyres in tonnes.	2016-17: 88200 2017-18: 78311 2018-19: 131800 2019-20: 63450 2020-21: 836027 All figyres in tonnes.	State government was informed about excess production during the year 2018-19 vide letter dated 04/05/2020.
3q	General remarks of inspecting officers on method of mining etc.	Mineral exploitation was proposed through open cast method of mining.	The open cast mechanised method of mining has been adopted for carrying out mining operations in the lease area.	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
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal of top soil and Mineral reject generation. Separate dumping of OB & ROM proposed.	No top soil and Mineral Reject generation. Separate dumping of OB & ROM observed.	NIL.

4b	Location of topsoil, OB and mineral reject dumps	Waste dumping: N2814210 to 2814455/E46315 0 to 463365. No proposals of mineral reject generation.	Waste dumping observed within approved limit. No mineral reject generation.	NIL.
4c	Number of dumps within lease area and outside of lease area	02 dumps within lease area. No dumping outside lease area.	02 dumps within lease area. No dumping outside lease area.	NIL.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside of UPL.	Outside of UPL.	NIL.
4e	Number of active and alive dumps.	Two.	Two.	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 drains observed along the dumps. Retaining wall was not constructed.	Violation of rule 11(1) issued vide letter dated 04/05/2021.
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall: 320 mts and Garland Drain: 465 mts.	Retaining wall: NIL and Garland Drain: 465 mts.	Violation of rule 11(1) issued vide letter dated 04/05/2021.
4j	Number of settling ponds	No proposal.	Not applicable.	NIL.
4k	Specific comments of inspecting officer on waste dump management	Garland drain and retaining wall proposed to construct along the foot of the waste dump.	Garland drains observed along the dumps. Retaining wall was not constructed.	Waste dumping observed within approved limit. No mineral reject generation. Violation of rule 11(1) issued vide letter dated 04/05/2021 for non-construction of retaining wall.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No proposal of backfilling.	Mining pits are active. No backfilling done.	NIL.
5b	Area under backfilling of mined out area	No proposal.	None of the area matured for backfilling.	NIL.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	For Plantation (If any generation).	Top soil has not been generated.	NIL.
5d	Total area fully reclaimed and rehabilitated	No proposal of full reclamation and rehabilitation	None of the area matured for full reclamation and rehabilitation.	NIL.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No proposal of backfilling.	Not applicable as no proposal.	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).	Annual report on PMCP shall be submitted by 1 July for the previous year i.e. 2020-21.	Annual report of PMCP for the year 2020-21 is not due for submission.	NIL.
6b	Area available for rehabilitation (ha) .	No such proposal given.	None of the area matured for rehabilitation.	NIL.
6c	afforestation done (ha).	Afforestation has been proposed over 1.0 Ha. area.	No afforestation carried out during reporting year.	Violation of rule 11(1) issued vide letter dated 04/05/2021.
6d	No. of saplings planted during the year	1000 numbers.	NIL.	Violation of rule 11(1) issued vide letter dated 04/05/2021.

6e	Cumulative no .of plants	No specific proposal on cumulative numbers of plantation.	600 numbers as on 31/03/2021.	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.	Not applicable.	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.	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	Afforestation has been proposed over 1.0 Ha. area with 1000 number of saplings.	Afforestation has not been done during reporting year.	Violation of rule 11(1) issued vide letter dated 04/05/2021. Report of PMCP yet to submit.

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Afforestation has been proposed over 1.0 Ha. area with 1000 number of saplings.	Afforestation has not been done during reporting year.	Violation of rule 11(1) issued vide letter dated 04/05/2021. Report of PMCP yet to submit.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Plantation.	No plantation.	Violation of rule 11(1) issued vide letter dated 04/05/2021.
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.	Afforestation has been proposed over 1.0 Ha. area with 1000 number of saplings.	Afforestation has not been done during reporting year.	Violation of rule 11(1) issued vide letter dated 04/05/2021 for deviation in plantation proposal.

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.	Entire ROM is being used in captive beneficiation plant located at Dhedwas Mining Lease area of the company	NIL.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal of grade wise sorting.	Not applicable.	NIL.
7c	Different grade of mineral sorted out at mines.	No proposal of grad wise sorting at mine.	No proposal of grad wise sorting at mine located in Dhedwas Mining Lease area of the company.	NIL.
7d	Any beneficiation process at mines .	No proposal of any beneficiation at mine.	No beneficiation at mine.	NIL.

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No proposal of any beneficiation within lease area.	ROM is being dispatched to beneficiation plant located in Dhedwas Mining Lease area of the company.	No issue related mineral conservation observed during current inspection.
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Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal of top soil generation.	Not applicable as no proposal.	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)	Separate dumping of waste and mineral.	Separate dumping of waste and mineral observed.	NIL.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal for use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use.	Not applicable as no proposal.	NIL.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal.	Not applicable as no proposal.	NIL.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	1000 Nos of plants have been proposed to plant.	NIL.	Violation of rule 11(1) issued vide letter dated 04/05/2021. For deviation in plantation proposal.

8g	Survival rate	No specific proposal on survival percentage.	Not applicable as no plantation during the reporting year.	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	1000 Nos of plants have been proposed to plant.	No afforestation work during the reporting year.	Aesthetic beauty in and around mines area is moderate. Violation of rule 11(1) issued vide letter dated 04/05/2021 for deviation in plantation proposal.

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 to be submitted to competent authority.	MR submitted up to Mar - 21, AR submitted for the year 2019-20.	AR for the year 2020-21 yet not due for submission.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details of Mining Engineer, Geologist and Manager has been furnished.	Mining Engineer, Geologist and Manager has been appointed in the mine.	Scrutiny of annual return 2019-20.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	O/c Workings- 3.12 Ha, Waste Disposal-1.39 Ha, Infrastructure : 2.29, Plantation-3.0 Ha	Information on land use found in order.	NIL.
9d	Scrutiny of Annual return on afforestation	NIL.	NIL.	NIL.

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL.	No mineral Reject generation. However, the garde of the mineral rject has been furnished as 13% Fe.	Violation of rule 45(7) issued vide letter dated 04/05/2021.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing stock of ROM 163.400 tonnes	Found to be correct.	NIL.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	No information on Ex-mine price.	Appears in order as ROM was dispatched from lease area. Hence, no information on Ex-mine price.	NIL.
9h	Scrutiny of Annual return on fixed assets	NIL.	Appears in order.	NIL.
9k	Scrutiny of Annual return on mining machineries	Back Hoe, Front end Loader, Dumper, Rock Drill, Air Compressor etc.	Back Hoe, Front end Loader, Dumper, Rock Drill, Air Compressor etc.	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)	04-MAY-21		MCDR17 Rule 11(1)	04-MAY-21	
MCDR17 Rule 45(7) (a)	04-MAY-21		MCDR17 Rule 45(7)	04-MAY-21	

Date :

(DILIP JAIN)

Indian Bureau of Mines