

**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, Mines Agent
Official with
Designation
- (iv) Date of Inspection : 04-DEC-21
- (v) Prev.inspection date : 14-APR-21

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 : Sunil Kumar Trivedi, Full Time
 Qualification : AMIE(Mining)
 Appointment/ : 01-JUL-21
 Termination date

Mining Engineer

Name : Sh sanjay Kumar Pandey, Full Time
 Qualification : BE(Mining)
 Appointment/ : 10-AUG-16 01-JUL-21
 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 01-JUL-21
 Termination date

Manager

Name : Sunil Kumar Trivedi
 Qualification : AMIE(Mining)
 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
	:	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: 40.87 Hect and G2:6.39 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.	Nil
1f	General remarks of inspecting officers on geology, exploration etc			No issue observed related to geology & 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 has been 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.	Nil
2c	Stripping ratio or ore to OB ratio	2020-21: 1:0.619	2020-21: 1:0.43	cum:cum
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	2020-21: 171350.0 Cum or 462645 tonnes	2020-21: 103459 cum or 462645 tonnes	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			During the inspection large quantity of ore & OB boulders were found in pit hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 22.12.2021.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	2020-21: One	2020-21: One	Nil
3b	Quantity of ROM mineral production proposed	2020-21: 968380 Tonnes.	2020-21: 836027 Tonnes	Nil
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	Yes	Nil
3m	Total area covered under excavation/pits	13.81 Hect. at the end of the plan period i.e. 2024-25.	An area of 6.910 Hect. has been reported under excavation/pit at the end of year 2020-21.	Nil
3n	Ore to OB ratio for the pit/mine during the year.	2020-21: 1:0.619	2020-21: 1:0.43	Nil

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 to use under different heads at the end of year 2024-25.	Total 13.72 hect. area used under different heads at the end of year 2020-21.	As reported in AR 2020-21.
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 figures in tonnes.	2016-17: 88200 2017-18: 78311 2018-19: 131800 2019-20: 63450 2020-21: 836027 All figures in tonnes.	
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	Top soil- No proposal OB- Between grid- E463000 to E463140 & N2813740 to N2813950 and N2814210 to N2814460 & E463370 to E463150	Top soil- Not generated OB Dump- Within proposed limit.	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 drain prepared during the reporting year.	For retaining wall violation was issued by the previous inspecting officer vide letter dated 04.05.2021.
4i	Length of Retaining wall or garland drain all along dumps	During the year 2020-21 total Retaining wall: 320 mts and Garland Drain: 465 mts.	Retaining wall: NIL and Garland Drain: 465 mts.	For retaining wall violation was issued by the previous inspecting officer 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			No issue observed related to waste dump management.

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	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 2020-21.	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 during the reporting year.	Nil
5d	Total area fully reclaimed and rehabilitated	No proposal of fully 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 fully 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.	PMCP report submitted vide email dated 30.07.2021.	Nil
6b	Area available for rehabilitation (ha) .	No such proposal given.	None	Nil
6c	afforestation done (ha).	Afforestation has been proposed over 1.0 Ha. area. during the year 2020-21.	No afforestation carried out during reporting year.	Violation of rule 11(1) issued vide letter dated 04/05/2021 by the previous inspecting officer.
6d	No. of saplings planted during the year	Year 2020-21: 1000 nos.	Nil	Violation of rule 11(1) issued vide letter dated 04/05/2021 by the previous inspecting officer.
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.	None during the year.	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.	None	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 by the previous inspecting officer.

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 during the year 2020-21.	Afforestation has not been done during reporting year.	Violation of rule 11(1) issued vide letter dated 04/05/2021 by the previous inspecting officer.
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 by the previous inspecting officer.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environment parameters to be monitor as per EC conditions.	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) issued vide letter dated 04/05/2021 by the previous inspecting officer for not carrying out plantation during the year 2020-21 as per 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.	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 grade wise sorting at mine.	No proposal of grade wise sorting at mine, Entire ROM is being used in captive beneficiation plant located at 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.

Environment :

Sl.No.	Item	Propasals	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.	No top soil generated during the year.	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 during the year 2020-21.	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 during the year 2020-21.	No sapling planted during the year 2020-21.	Violation of rule 11(1) issued vide letter dated 04/05/2021 by the previous inspecting officer for not carrying out plantation during the year 2020-21 as per proposal.
8g	Survival rate	No specific proposal on survival percentage.	None during the year as no sapling planted during the year.	Nil
8h	Water sprinkling on roads to control airborne dust	Proposal of water spraying through water tankers.	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 satisfactory.

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 Nov. 2021, AR submitted up to year 2020-21..	Timely submission.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details given	Found correct.	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	O/C working- 6.910 hect, Waste Dump- 4.520 hect., Others-2.290 hect. etc.	Seems correct.	Nil

9d	Scrutiny of Annual return on afforestation	Plantation- 0	Information correct.	However violation of rule 11(1) issued vide letter dated 04/05/2021 by the previous inspecting officer for not carrying out plantation during the year 2020-21 as per proposal.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No reject generation reported in AR.	Found correct.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM- Stock- 131176.490 tonnes	Seems correct.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of production per ton- Rs. 408.48	Some discrepancies observed.	Violation of Rule 45(7) of MCDR 2017 issued vide letter dated 22.12.2021 for some discrepancies in cost of production per ton and expenditures reported in annual return 2020-21.
9h	Scrutiny of Annual return on fixed assets	Fixed asses not shwon in ths mine & information is furnished as combined information in another mine return (Dhedwas Mine, Mine Code- 30RAJ06001)	Seems correct.	Nil
9k	Scrutiny of Annual return on mining machineries	Details given	Seems correct.	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-DEC-21			
MCDR17	Rule 45(7)(a)	22-DEC-21			

Date :

(D R GURJAR)

Indian Bureau of Mines