

**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, Mines Agent, Sunil Kumar Trivedi,
Official with
Designation
- (iv) Date of Inspection : 03-NOV-22
- (v) Prev.inspection date : 04-DEC-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 : Sri Srinu Babu MARumudi, Full Time
 Qualification : M.Sc. Geology.
 Appointment/ : 01-NOV-22
 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 Plan/Scheme of Mining : MP modif under MCR 1960 04-APR-16
 MP modif under 17(3) MCR 2016 27-JUL-18
 MP review under 17(1) MCR 2016 20-JAN-20
 MP modif under 17(3) MCR 2016 18-JAN-21

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	3 BHs with 385m during previous year 2020-21.	6 BHs with 875m during previous year 2020-21.	NIL.
1b	Exploration over lease area for geological axis 1 or 2	3 BHs with 430m during reporting year (RY) 2021-22.	4 BHs with 575m during reporting year (RY) 2021-22.	NIL.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal on agency and expenditure.	Agency: JSAW through M/s Ganchi Contractors. Expenditure: Rs15.04 lakh	NIL.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No potentially mineralized area under G3.	Entire potentially mineralized area explored under G1.	Entire mineralized area of 47.256Ha has been explored under G1 axis.
1e	Balance reserve as on 01/04/20	Position of reserve as on 01/10/2022 was 19.67 million tons.	Position of reserve as on 01/04/2022 was 19.08 million tons.	NIL.
1f	General remarks of inspecting officers on geology, exploration etc	3 BHs with 430m of drilling.	4 BHs with 575m of drilling.	Entire potentially mineralized area explored under G1.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit-1	Pit-1	NIL.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate Benches in O/B & Ore.	Separate Benches in O/B & Ore.	NIL.
2c	Stripping ratio or ore to OB ratio	1:0.67 T/T	1:0.73 T/T	NIL.
2d	Quantity of topsoil generation in m3	No proposal of top soil generation.	No top soil has been generated.	NIL.

2e	Quantity of overburden generation in m3	948144.8 tons.	1024905 tons.	NIL.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Opencast method of development has been proposed.	Development as per proposal.	Proposed method of development is suitable for the kind 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	1407134.00 tons.	1401262.00 tons	Entire ROM is being dispatch to beneficiation plant situated in Dedhwas Iron lease of lessee.
3c	Recovery of sailable/usable mineral from ROM production	1407134.00 tons.	1401262.00 tons	Entire ROM is being dispatch to beneficiation plant situated in Dedhwas Iron lease of lessee.
3d	Quantity of mineral reject generation	No proposal of Mineral rejects generation.	No mineral Reject has been generated.	NIL.
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable as no proposal of Mineral rejects generation.	Not applicable.	NIL.
3f	Quantity of sub grade mineral generation.	No proposal of sub-grade generation.	No sub-grade has been generated.	NIL.
3g	Grade of sub grade mineral generation	Not applicable as no proposal of sub-grade generation.	Not applicable.	NIL.
3h	Manual / Mechanised method adopted for segregating from ROM	Wet beneficiation by two stages of crushing & grinding each with magnetic separation.	Wet beneficiation by two stages of crushing & grinding each with magnetic separation.	At beneficiation plant situated in Dedhwas Iron lease of lessee.

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	Not applicable.	NIL.
3j	Provision of drilling and blasting in mineral benches	Deep hole drilling & blasting with 115-165 mm dia deep holes.	Deep hole drilling & blasting with 115-165 mm dia deep holes.	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	Height proposed: 10 m	Height proposed: 10 m	NIL.
3m	Total area covered under excavation/pits	17.00 hectare by the end of the 2024-25.	10.87 hectare by the end of the year 2021-22.	NIL.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.67 T/T	1:0.73 T/T	NIL.
3o	Total area put in use under different heads at the end of year	37.11 hectare by the end of the 2024-25.	19.022 hectare by the end of the year 2021-22.	NIL.
3p	Production of ROM mineral during the last five year period as applicable	2017-18: 1200000 2018-19: 98369 2019-20: 144654 2020-21: 968380 2021-22: 1407000	2017-18: 78311 2018-19: 131800 2019-20: 63450 2020-21: 836027 2021-22: 1401262	All figures in tons.
3q	General remarks of inspecting officers on method of mining etc.	Opencast method of Mining has been proposed.	Opencast method of mining is being in practice.	Proposed method of mining is suitable for the type of deposit.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping of OB & mineral.	Separate dumping of OB & mineral is being carried out.	NIL.
4b	Location of topsoil, OB and mineral reject dumps	The dumping of the waste has been proposed in extension to Waste dump number 2.	Dumping of the waste has been observed as per proposal.	ROM stacked over non-approved area, violation of rule 11(1) of MCDR, 2017 was issued.
4c	Number of dumps within lease area and outside of lease area	Within Lease: 2 dumps. Outside Lease: NIL.	Within Lease: 2 dumps. Outside Lease: NIL.	NIL.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	All dumps are on barren land and outside UPL.	All dumps are on barren land and outside 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.	Proposal of garland drain and retaining wall has been given.	Garland drain observed at places.	NIL.
4i	Length of Retaining wall or garland drain all along dumps	RW: 197 m GD: 197 m	Garland drain and retaining wall not constructed.	Violation of rule 11(1) of MCDR, 2017 was issued.
4j	Number of settling ponds	No proposal.	Not applicable.	NIL.
4k	Specific comments of inspecting officer on waste dump management	Separate dumping of OB & mineral.	Separate dumping of OB & mineral is being carried out.	ROM stacked over non-approved area, violation of rule 11(1) of MCDR, 2017 was issued.

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 full extraction of mineral.	Not applicable as no proposal.	NIL.

5b	Area under backfilling of mined out area	No proposal.	Not applicable.	NIL.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal of top soil generation.	No top soil has been generated.	NIL.
5d	Total area fully reclaimed and rehabilitated	No proposal.	Not applicable.	NIL.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No proposal.	Not applicable.	No area matured for backfilling.

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).	As per rule 26 of MCDR, 2017 holder of mining lease shall submit PMCP before 1st day of July every year.	PMCP report for the year 2021-22 has been submitted.	NIL.
6b	Area available for rehabilitation (ha) .	No proposal.	Not applicable.	NIL.
6c	afforestation done (ha) .	1.0 hectare.	3.30 hectare.	NIL.
6d	No. of saplings planted during the year	1000 number of plants.	3500 number of plants.	NIL.
6e	Cumulative no .of plants	No specific proposal.	Cumulative 6500 upto end of the year 2021-22.	As per PMCP report.
6f	Any other method of rehabilitation	No 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 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	1000 number of plants.	3500 number of plants.	NIL.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	1.0 hectare.	3.30 hectare.	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)	Regularly monitoring as per Environment Clearance and SPCB.	Parameters are being monitored as per proposal.	NIL.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	An area of 1.0 hectare with 1000 nos of saplings has been proposed to plant.	A total of 3500 number of saplings have been planted over an area of 3.30 hectare including gap filling plantation.	PMCP compliance is satisfactory.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral dispatch.	ROM mineral dispatch.	Entire ROM is being dispatch to beneficiation plant situated in Dedhwas Iron lease of lessee.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal of sorting.	Not applicable.	NIL.
7c	Different grade of mineral sorted out at mines.	No proposal.	Not applicable.	NIL.
7d	Any beneficiation process at mines	No proposal.	Not applicable.	NIL.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	ROM mineral dispatch.	ROM is being dispatch to beneficiation plant situated in Dedhwas Iron lease of lessee.	No issue related to mineral conservation.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal of top soil generation.	No top soil has been generated.	NIL.

8b	Concurrent use or storage of topsoil	No proposal of top soil generation.	No top soil has been generated.	NIL.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumping of OB and Mineral.	Separate dumping of OB and Mineral.	NIL.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	Not applicable.	NIL.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal.	Not applicable.	NIL.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	1000 number of plants.	3500 number of plants.	NIL.
8g	Survival rate	90%	95%	NIL.
8h	Water sprinkling on roads to control airborne dust	Wet drilling & water spraying through water tankers.	Wet drilling & water spraying observed during mine inspection.	NIL.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	An area of 1.0 hectare with 1000 nos of saplings has been proposed to plant.	A total of 3500 number of saplings have been planted over an area of 3.30 hectare including gap filling plantation.	The general aesthetic beauty in and around lease area is satisfactory.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	As per rule 45 of MCDR, 2017 monthly and annual returns to be submitted.	Annual and Monthly returns for RY have been submitted.	NIL.

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining engineer and Manager: S K Trivedi. Geologist: Divakar Arora	Manager, Mining Engineer and Geologist have been appointed.	Scrutiny of annual return 2021-22.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	O/c Workings- 10.87 Ha Waste Disposal-5.86 Ha Infrastructure : 2.292 Ha Plantation-6.3 Ha	Land use information found in order.	NIL.
9d	Scrutiny of Annual return on afforestation	3500 nos. Within ML & NIL outside ML.	Found in order.	NIL.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Mineral reject generation: NIL	No mineral reject generation.	NIL.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM stock: 52799.550 tons.	Found in order	NIL.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of production: Rs. 295.67/-	Appears in order.	NIL.
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets: Combined with Dhedwas Return.	Appears in order.	NIL.
9k	Scrutiny of Annual return on mining machineries	Back Hoe, Front end loader, Dozer, Dumper, Rock Drilling Machine, Water Tanker, Air compressor.	Back Hoe, Front end loader, Dozer, Dumper, Rock Drilling Machine, Water Tanker, Air compressor.	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)	08-DEC-22			

Date :

(DILIP JAIN)

Indian Bureau of Mines