

**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 : **B014**) **CHANDRESH BOHRA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Sh. Dinesh Patil, Agent
Official with
Designation
- (iv) Date of Inspection : 12-SEP-23
- (v) Prev.inspection date : 03-NOV-22

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	Nil	Nil	
1b	Exploration over lease area for geological axis 1 or 2	5BHs (1030m) (LSBH 26, 28, 29, 30 & 31) (For upgradation of Resources to Reserves)	6BHs (967m) (LSBH 26, 26TD, 28, 29, 30& 31)	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	JSAW Rs 27.47lakhs	JSAW through M/s Ganchi Contractors & Rs 25.88 lakh	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NA	All mineralized area of 47.256 Ha has been explored to G1 axis.	
1e	Balance reserve as on 01/04/20	10.92MMT (111) 6.37 MMT(121)	10.92MMT (111) 6.37 MMT(121)	
1f	General remarks of inspecting officers on geology, exploration etc	NA	The overall status of geology and exploration may be considered as satisfactory.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Lampiya Pit-1	Lampiya Pit-1	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate Benches in O/B &Ore	Separate Benches in O/B &Ore	
2c	Stripping ratio or ore to OB ratio	1:0.975	1:1.28	
2d	Quantity of topsoil generation in m3	Nil	Nil	

2e	Quantity of overburden generation in m3	650310 cum.	852302.6 cum.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NA	The overall status of development of pit w.r.t type of deposit may be considered as satisfactory.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One (1)	One (1)	
3b	Quantity of ROM mineral production proposed	18.00 Lakh Mt	17.92 Lakh Mt	
3c	Recovery of sailable/usable mineral from ROM production	30% recovery	30% Mixed with Dhedwas ROM to form Raw Mix.	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	NA	NA	
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised, wet beneficiation by two stages of crushing & grinding each with magnetic separation	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Not applicable	

3j	Provision of drilling and blasting in mineral benches	Deep hole drilling & blasting ,115-165 mm dia deep holes	Deep hole drilling & blasting ,115mm dia deep holes.
3k	Provision of mining machineries in mineral benches	HEMM (Shovel Dumper Combination)	HEMM (Shovel Dumper Combination)
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes Height proposed: 10 m	Yes, Height proposed: 10 m
3m	Total area covered under excavation/pits	17.0 Ha	11.951 Ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.975	1:1.28
3o	Total area put in use under different heads at the end of year	At the end of approved plan period Pit-17.0 Dumps-16.32 Mineral Storage-1.5 Roads-2.79 Building-0.002 TOTAL:37.112	Pit-11.951 Dumps-13.628 Mineral Stor.-1.503 Roads-2.29 Building-0.002 TOTAL: 29.374
3p	Production of ROM mineral during the last five year period as applicable	2019-20: 144654 2020-21: 968380 2021-22:1407000 2022-23: 180030	2019-20: 63450 2020-21: 836027 2021-22: 1401262 2022-23: 1792437
3q	General remarks of inspecting officers on method of mining etc.	NA	The present status of method of mining may be considered as satisfactory.

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 & Ore proposed.	Separate dumping of OB & Ore carried out.
4b	Location of topsoil, OB and mineral reject dumps	OB at proposed place	OB at proposed place
4c	Number of dumps within lease area and outside of lease area	2 dumps within lease area	2 dumps within lease area
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	All dumps on barren land.	All dumps are on barren land and outside UPL.
4e	Number of active and alive dumps.	2	2 Nos.
4f	Number of dead dumps.	Nil	Nil
4g	Number of dumps established.	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Garland drain along the OB dumps
4i	Length of Retaining wall or garland drain all along dumps	RW: 332 m GD: 332 m	RW: 400 m GD: 400 m
4j	Number of settling ponds	NA	Not applicable
4k	Specific comments of inspecting officer on waste dump management	NA	The present status of waste dump management may be considered as satisfactory.

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 such proposal.	Not Applicable	

5b	Area under backfilling of mined out area	Not Applicable	Not Applicable
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil
5d	Total area fully reclaimed and rehabilitated	Not Applicable	Not Applicable
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NA	The area is not matured for backfilling and reclamation, therefore may be considered as satisfactory.

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).	Yes	Submitted vide E-mail dated 07.07.2023.	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	1 Ha	1 Ha	
6d	No. of saplings planted during the year	1000	1000	
6e	Cumulative no .of plants	8000	8000	
6f	Any other method of rehabilitation	Nil	Nil	
6g	Cost incurred on watch and care during the year	NA	NA	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NA	NA	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	NA	NA
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	None	None
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Nil	Nil
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Afforestation	Afforestation
6p	Compliance of environmental monitoring (core zone and buffer zone)	As per E.C. & Consent Conditions	As per E.C. & Consent Conditions

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NA	The overall status of PMCP compliance and progressive closure operations may be considered as 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	18.00Lakh Mt	15.45Lakh Mt	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No Sorting	No Sorting	
7c	Different grade of mineral sorted out at mines.	ROM	ROM	
7d	Any beneficiation process at mines	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NA	Teh overall status of mineral conservation and beneficiation may be considered as satisfactory.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	
8b	Concurrent use or storage of topsoil	NA	NA	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	16.32 Ha at the end of the 2024-25	13.628Ha OB: 3.87Million Tons (Till Mar2023)
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal	Not applicable
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No such proposal	Not applicable
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	8000 Nos	7500 Nos As on 31.03.2023.
8g	Survival rate	90%	95%
8h	Water sprinkling on roads to control airborne dust	Wet drilling & water spraying through water tankers	Wet drilling & water spraying through water tankers
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NA	The present status on aesthetic beauty in and around mines area may be considered as satisfactory.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Yes	MR submitted up to Mar - 23 AR submitted up to 2022-23	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	MM- S K Trivedi ME- S K Trivedi MG- Srinu Babu Marumudi	MM- S K Trivedi ME- S K Trivedi MG- Srinu Babu Marumudi
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	O/c Workings- 13.45 Ha Waste Disposal- 13.63Ha Plantation- 7.5Ha	O/c Workings- 13.45 Ha Waste Disposal-13.63Ha Plantation-7.5Ha
9d	Scrutiny of Annual return on afforestation	7500(WML)	Seems to be correct.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Seems to be correct.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	299789.730 Mt	Correct.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	440.96Rs Cost of per Ton Prod	440.96Rs Cost of per Ton Prod
9h	Scrutiny of Annual return on fixed assets	Combined with Dhedwas Return	Ok
9k	Scrutiny of Annual return on mining machineries	HEMM (Shovel Dumper Combination)	Ok

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

Date :

(CHANDRESH BOHRA)

Indian Bureau of Mines