

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

**MCDR INSPECTION REPORT**

**Ajmer regional office**

**Mine file No :** RAJ/JPR-63/Fe-8

**Mine code :** 30RAJ13005

- (i) Name of the Inspecting : **P022** ) **PANKAJ KULSHRESTHA**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Rasheed Khan, Lessee representative  
Official with  
Designation
- (iv) Date of Inspection : 04/12/2024
- (v) Prev.inspection date : 11/07/2019

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **MORIJA NEW**
- (b) **Registration NO.** : **IBM/5530/2011**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address :  
State : RAJASTHAN  
District : JAIPUR  
Village : MORIJA  
Taluka :  
Post office : MORIJA  
Pin Code :  
FAX No. : 01574230044  
E-mail : nla\_ironore@yahoo.com  
Phone : 9314444440
- (f) Police Station : Chomu
- (g) First opening date : 17/02/1979
- (h) Weekly day of rest : SUN
2. Address for : M/s Nandlal Agarwal & Sons  
correspondance PO- Maonda, Tehsil- Neem Ka Thana  
District Sikar
3. (a) Lease Number : RAJ0028
- (b) Lease area : 24.89
- (c) Period of lease : 50
- (d) Date of Expiry : 16/02/1929
4. Mineral worked : IRON ORE Main

## 5. Name and Address of the

Lessee : M/s Nand Lal Agarwal & Sons  
Maonda , Tah-Neem Ka Thana  
Sikar SIKAR RAJASTHAN  
Phone:01574-230044  
FAX :

Owner : M/s Nandlal Agarwal & Sons  
PO- Maonda Tehsil- Neem Ka  
Thana Sikar SIKAR RAJASTHAN  
Phone: 01574230044  
FAX :

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	04/04/2001
Plan/Scheme of Mining		Existing rule 11 MCDR1988	20/10/2004
		Mining Scheme rule 12 MCDR1988	17/04/2012
		MP review under 17(1) MCR 2016	15/03/2017

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Six bore holes of 140m with 100 mgrid interval was proposed to be drilled during the year 2023-24.	No such exploration carried out during the year 2023-24.	
1b	Exploration over lease area for geological axis 1 or 2	Total area covered under G1 is 1.59 ha. Further area to be explored was reported as 18.40 ha.	As above.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	18.40 ha. of area need to be explored to bring Geological axis in 1 or 2.	As above.	
1e	Balance reserve as on 01/04/20	10,56,500 t under 111 and 1073060 t under 333 as on 01/04/2024.	1,79,500 t under 111 and 1073060 t under 333 as on 01/04/2024.	
1f	General remarks of inspecting officers on geology, exploration etc	NA	It is required to put drill holes as proposed during the year 2022-23 and 2023-24.	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	During the year 2023-24 it was proposed to develop pit 1 and pit 1A.	As above	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No bench in top soil and two benches in over burden of 6 meters max height were proposed during the year 2023-24.	No bench in top soil.
2c	Stripping ratio or ore to OB ratio	1: 3.744	As above
2d	Quantity of topsoil generation in m3	Nil	Not applicable
2e	Quantity of overburden generation in m3	32,400 cu.m. of overburden was proposed during the year 2023-24.	No overburden generation reported during the year 2023-24 in the AR.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NA	The overall status of development of pits may be considered as satisfactory.

---

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	It was proposed to develop two pits ,pit no. 1 and 1A	As above	
3b	Quantity of ROM mineral production proposed	It was proposed to produce 90,000 t of RMO during teh year 2023-24.	During the year 2023-24 total 50,000 t of ROM produced during the year 2023-24.	
3c	Recovery of sailable/usable mineral from ROM production	100% recovery from ROM was proposed during the year 2023-24.	As above.	
3d	Quantity of mineral reject generation	No reject generation proposed durng the year 2023-24.	As above.	

---

3e	Grade of mineral rejects generation and threshold value declared.	NA	Not applicable
3f	Quantity of sub grade mineral generation.	No sub grade generation proposed during the year 2023-24/	As above.
3g	Grade of sub grade mineral generation	NA	Not applicable
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanical	As above.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	Not applicable
3j	Provision of drilling and blasting in mineral benches	Yes, It was proposed to drill holes of 6m depth with 4m spacing and 3 m burden in long hole and short hole with 1m spacing and burdden of 0.8m.	As above.
3k	Provision of mining machineries in mineral benches	Yes, it was proposed to deploy three excavators and six dumpers in the mines.	As above.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6 meter height proposed for winning of mineral and removal of overburden.	As above.
3m	Total area covered under excavation/pits	Total 1.68 ha. of area was proposed under mining.	As above

3n	Ore to OB ratio for the pit/mine during the year.	3.744 of OB to Ore ratio proposed during the year 2023-24.	As above.
3o	Total area put in use under different heads at the end of year	Area under mining : 1.68 ha, Overburden/waste dumping- 0.41 ha., Minearal storage- 0.35 ha., Infrastructure-0.05 ha., Roads-0.56 ha., during the year 2023-24.	As above.
3p	Production of ROM mineral during the last five year period as applicable	2020-21: t 2021-22: t 2022-23 t 2022-23:90000 t 2023-24:90000 t	2020-21: t 2021-22: t 2022-23 t 2022-23: 7000 t 2023-24: 50000 t
3q	General remarks of inspecting officers on method of mining etc.	NA	The present status on method of mining may be considered as satisfactory.

---

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	There was no proposal of top soil and reject generation. OB is being dumped separately.	As above.	
4b	Location of topsoil, OB and mineral reject dumps	It was proposed to dump overburden near pillar G, proposed area 0.17 ha with height 15m and dump quantity 84240 t during the year 2023-24.	The dump location is near pillar G.	

4c	Number of dumps within lease area and outside of lease area	One	One within the lease area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	The dump location proposed outside UPL.	As above.
4e	Number of active and alive dumps.	One active dump.	As above.
4f	Number of dead dumps.	Nil	None
4g	Number of dumps established.	No sch proposal	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes, 70 meter fencing around plantation and 38 meter retaining wall and 38 meters garland drain proposed.	None
4i	Length of Retaining wall or garland drain all along dumps	38 meter retaining wall and 38 meters garland drain proposed.	Nil
4j	Number of settling ponds	Nil	Not applicable
4k	Specific comments of inspecting officer on waste dump management	NA	A violation for retaining wall and garland drain is under process. However the overall status of waste dump management may be considered as satisfactory.

---

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.	Not applicable	Area not matured for backfilling.	
5b	Area under backfilling of mined out area	No such proposal	Not applicable	

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No such proposal due to non availability of top soil.	Not applicable.
5d	Total area fully reclaimed and rehabilitated	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NA	The lease area is not matured for backfilling and reclamation.

---

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	Annual report on PMCP not submitted along with AR-2023-24.	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	It was proposed to cover 0.10 ha.of area near pillar H to G during the year 2023-24.	As above.	
6d	No. of saplings planted during the year	It was proposed to plant 100 saplings during teh year 2023-24.	As above.	
6e	Cumulative no .of plants	1100 nos.	NA.	
6f	Any other method of rehabilitation	No such proposal	Not applicable	
6g	Cost incurred on watch and care during the year	Rs. 100000/-	As above.	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Nil	Not applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Not applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No such proposal	Not applicable
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Nil	Not applicable
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Nil	Not applicable
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Nil	Not applicable

6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	As above
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NA	The report on PMCP for the year 2023-24 has not been submitted ,a violation in this regard is under process.

---

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	It was proposed to produce 90,000T of ROM during the year 2023-24.	During the year 2023-24 total 50000T of ROM produced from mines.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	Not applicable	
7c	Different grade of mineral sorted out at mines.	NA	Not applicable	
7d	Any beneficiation process at mines .	NA	Not applicable	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NA	The overall status on mineral conservation may be considered as satisfactory.	

---

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No such proposal	Not applicable.	

---

8b	Concurrent use or storage of topsoil	No such proposal	Not applicable
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes, separate dump for overburden/waste proposed.	Separate dumping of overburden/waste is being done.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No such 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)	So far 1000 saplings have been planted in addition to 100 saplings during the year 2023-24.	As above
8g	Survival rate	Survival rate of 90% was proposed during the year 2023-24.	Survival rate of 70% reported as achieved in the AR-2023-24.
8h	Water sprinkling on roads to control airborne dust	Yes	As above
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NA	The overall 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 , AR for the year 2023-24 submitted	As above	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer : Shri Hemant Vyas Geologist : Shri Saransh Shrivastav	As above,	However not presented during the inspection.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Already exploited and abandoned by opencast (O-C) mining: 0.0 Covered under current (O-C) Workings:1.68 ha. Occupied by plant, buildings, residential, welfare buildings and roads: 0.610 ha Used for any other purpose (specify) Mineral storage : 0.35 ha	As above.	The digital image to verify, has not been submitted. A violation in this regard is under process.
9d	Scrutiny of Annual return on afforestation	Saplings planted : 150	100 saplings during the year 2023-24 have been planted as observed during the inspection	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No reject generation reported during the year 2023-24.	As above.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Opening stock : 47025.950T, Production of ROM :50000T and Closing stock- 73019.530 T reported in the AR2023-24.	Seems to be correct.	

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of production Rs.229.30 and Ex-mine Price reported as Rs. 300/- in the AR2023-24.	Seems to be correct.
9h	Scrutiny of Annual return on fixed assets	The value of Fixed Assets at the start of year 2023 reported as Rs. 118742/- with estimated market value of Rs. 103117/-	Seems to be correct.
9k	Scrutiny of Annual return on mining machineries	BACK HOE : One and FRONT END LOADER : One	As above.

---

**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

**Date :**

(PANKAJ KULSHRESTHA)

Indian Bureau of Mines