

**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 : **G021** ) **D R GURJAR**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri Shankar Lal Agrawal, Partner M/s Nand Lal Agrawa  
Official with  
Designation
- (iv) Date of Inspection : 09-FEB-22
- (v) Prev.inspection date : 24-FEB-20

**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-FEB-79**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **M/s Nandlal Agarwal & Sons**  
**PO- Maonda, Tehsil- Neem Ka Thana**  
**District Sikar**
3. (a) **Lease Number** : **RAJ0028**
- (b) **Lease area** : **24.38**
- (c) **Period of lease** : **50**
- (d) **Date of Expiry** : **16-JAN-29**
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 :

## Mining Engineer

Name : HEMANT VYAS,Part Time  
 Qualification : BE Mining Mining  
 Appointment/ : 24-JAN-22  
 Termination date

## Geologist

Name : Saransh Kumar Srivastav,Part Time  
 Qualification : MSC Geology  
 Appointment/ : 24-JAN-22  
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	04-APR-01
Plan/Scheme of Mining		Existing rule 11 MCDR1988	20-OCT-04
		Mining Scheme rule 12 MCDR1988	17-APR-12
		MP review under 17(1) MCR 2016	15-MAR-17
		MP review under 17(1) MCR 2016	31-JUL-20

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	During the previous year 2019-20, no exploration was proposed.	None during the previous year.	Nil
1b	Exploration over lease area for geological axis 1 or 2	During the year 2020-21 & 2021-22 exploration was proposed by way of 11 bore holes(957m).	No bore hole drilling has been carried out till inspection.	During the year 2020-21 & 2021-22 exploration was proposed by way 11 bore holes (957m) but no such exploratory work started hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 01-04.2022.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No agency & expnditures specified in approved mining plan.	No exploration drilling has been carried out.	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	No specific proposal given for the year 2020-21.	No exploration work has been carried out during the year 2020-21.	As per recently approved review of mining plan, out of total lease area 24.89 hect., 1.56 hect area under G1 level, 18.40 hect area to be explored & 4.90 hect. area in non mineralised area. The proposal of exploration incorporated during the year 2022-23, to prove depth continuity in exsting G1 area of 1.516 hect & find out any vein in 18.40 hect. unexplored area.
1e	Balance reserve as on 01/04/20	No specific proposal given in this regard.	As per approved review of mining plan(approved on 24.03.2022) The position of Resreve & Resources as on 01.01.2022 111:1236500 tonnes, 333: 1073060 tonnes.	Nil

1f	General remarks of inspecting officers on geology, exploration etc			During the year 2020-21 & 2021-22 exploration was proposed by way 11 bore holes (957m) but no such exploratory work started hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 01-04.2022.
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**Development :**

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Mine development was proposed in Pit no.1	As per proposal	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposal of OB & mineral benches was given.	Separate benches of OB & mineral was observed.	Nil
2c	Stripping ratio or ore to OB ratio	ROM Waste ratio(2020-21) 1:0.25	ROM Waste ratio(2020-21) 1:0.68	Cum:Cum
2d	Quantity of topsoil generation in m3	No top soil proposal given in the year 2020-21.	No top soil generated during the year 2020-21.	Nil
2e	Quantity of overburden generation in m3	Year 2020-21: 4720m3	Year 2020-21: 1532.56m3	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mine developnet has been carried out on proposed location. Due to less demand of mineral mining has been carried out on small scale.

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**Exploitation:**

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	Nil

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3b	Quantity of ROM mineral production proposed	Year 2020-21: 75440 tonnes	Year 2020-21: 9000 tonnes.	Nil
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	Nil
3d	Quantity of mineral reject generation	No proposal	No mineral reject generated during the year 2020-21.	Nil
3e	Grade of mineral rejects generation and threshold value declared.	No mineral reject generation proposal	Not applicable.	Nil
3f	Quantity of sub grade mineral generation.	No subgrade mineral generation proposal	No subgrade mineral generated.	Nil
3g	Grade of sub grade mineral generation	No proposal	No generation hence not applicable.	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	No such proposal given	Not applicable	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal during the year.	None	Nil
3j	Provision of drilling and blasting in mineral benches	Proposal given	As per proposal	Nil
3k	Provision of mining machineries in mineral benches	Yes	Yeas as per proposal	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	As per proposal	Nil

3m	Total area covered under excavation/pits	As per approved review of mining plan it was proposed that at the end of year 2021-22 total 1.63 hect area will be use under mining pit.	At the end of year 2020-21 total 1.57 hect. area used under mining pits.	Nil
3n	Ore to OB ratio for the pit/mine during the year.	ROM Waste ratio(2020-21) 1:0.25	ROM Waste ratio(2020-21) 1:0.68	Cum:Cum
3o	Total area put in use under different heads at the end of year	At the end of year 2021-22 Total area put to use: 2.40 hect.	At the end of year 2020-21 Area put to use:2.63 hect.	Nil
3p	Production of ROM mineral during the last five year period as applicable	2016-17: 90000t 2017-18: 89280t 2018-19: No valid proposal 2019-20: No Valid proposal 2020-21: 75440t	2016-17: 600t 2017-18: 250t 2018-19: Nil 2019-20: Nil 2020-21: 9000t	Mining operation was suspended for violation of rule 11(3),11(4) & 27(2) of MCDR 2017. Suspension order was revoke vide letter 29.08.2020.
3q	General remarks of inspecting officers on method of mining etc.			Open cast mining method 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)	Proposal was given for separate dumping of OB dumping.	Separate dumping of OB has been carried out.	Nil
4b	Location of topsoil, OB and mineral reject dumps	Top soil-No porposal, OB Dumping-Eastern side of Pit no.1	As per proposal	Nil
4c	Number of dumps within lease area and outside of lease area	Wthin lease area -01	Wthin lease area -01	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.	01	01	Nil
4f	Number of dead dumps.	No proposal	None	Nil
4g	Number of dumps established.	No such proposal given	None	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	No such proposal given during the year 2020-21.	Observed.	Nil
4i	Length of Retaining wall or garland drain all along dumps	No specific proposal given during the year.	20m garland drain & 30m retaining wall.	Nil
4j	Number of settling ponds	No such proposal given	No tobserved.	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	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No such proposal giben during the year 2020-21.	No backfilling was observed.	Nil
5b	Area under backfilling of mined out area	No proposal during the year 2020-21.	None during the reporting year.	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No top soil generation proposal during the year 2020-21.	No top soil generated during the year 2020-21.	Nil
5d	Total area fully reclaimed and rehabilitated	No such proposal given for the year 2020-21.	None during the reporting year.	Nil

5e	General remarks of inspecting officers on backfilling and reclamation etc.	Mining has only been carried out very small scale. The existing pits are very small, which are not matured for backfilling as minear1 vein going towards deeper side.
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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 of PMCP shall be submitted up to 1st July for the previous financila year.	PMCP Report for the year 2020-21 has not been submitted on time.	Violation of Rule 26(2) of MCDR 2017 issued vide letter dated 01.04.2022 for non submission of PMCP report for the year 2020-21.
6b	Area available for rehabilitation (ha) .	0.5 hect.	Not reported	Violation of Rule 26(2) of MCDR 2017 issued vide letter dated 01.04.2022 for non submission of PMCP report for the year 2020-21.
6c	afforestation done (ha).	0.5 hect.	Not reported	Violation of Rule 26(2) of MCDR 2017 issued vide letter dated 01.04.2022 for non submission of PMCP report for the year 2020-21.
6d	No. of saplings planted during the year	100 nos.	100 nos.	As reported during the inspection.
6e	Cumulative no .of plants	No such proposal given	Not reported	Violation of Rule 26(2) of MCDR 2017 issued vide letter dated 01.04.2022 for non submission of PMCP report for the year 2020-21.
6f	Any other method of rehabilitation	No proposal	None	Nil



6g	Cost incurred on watch and care during the year	No proposal in this regard	Not reported	Violation of Rule 26(2) of MCDR 2017 issued vide letter dated 01.04.2022 for non submission of PMCP report for the year 2020-21.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No backfilling proposal	Not applicable	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	None during the reporting year.	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	None during the year	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal	None during the year.	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	2020-21: 100 nos.	2020-21: 100 nos.	As reported during the inspection.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	0.5 hect.	Not reported	Violation of Rule 26(2) of MCDR 2017 issued vide letter dated 01.04.2022 for non submission of PMCP report for the year 2020-21.

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)	Proposed	Monitoring is being carried out.	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Violation of Rule 26(2) of MCDR 2017 issued vide letter dated 01.04.2022 for non submission of PMCP report for the year 2020-21.

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No Gradewise sorting proposal given.	No sorting was observed	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	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	None	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No issue observed related to mineral conservation.

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	No top soil proposal during the year 2020-21.	No top soil generated during the year 2020-21.	Nil
8b	Concurrent use or storage of topsoil	No top soil generation proposal	Not applicable	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Propposal of OB dumping was given.	As per proposal	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No such proposal given.	None	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal given during the year 2020-21	None during the reporting year.	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	During the year 2020-21, 100 nos sapling proposed	During the year 2020-21, 100 nos. sapling planted	As reported during the inspection.
8g	Survival rate	Not specified	70%	Nil
8h	Water sprinkling on roads to control airborne dust	Proposal given	Observed.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The general aesthctic beauty in and around mines area is satisfactory.

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Compliance of Rule 45:

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Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Monthly return submitted up to Feb 2022 Annual return submitted up to year 2020-21.	Late submission of annual return 2019-20 & 2020-21.	Show cause notice issued under Rule 45 of MCDR 2017 vide this office letter dated 15.03.2022 for late submission of annual return 2019-20 & 2020-21.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	No details given in AR 2020-21.	Lessee appointed mining engineer & geologist v on 24.01.2022	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details given	MMS division has already refer back the AR 2020-21.	Nil
9d	Scrutiny of Annual return on afforestation	Details given	Seems correct.	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No minreal reject reported	Seems correct.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM & Grade wise stock- 9637.869tonne	Some discrepenies observed by MMS Division, hence already refer back the AR 2020-21.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Production cost- Rs 249.37 per tonne, Ex mine price- Rs. 300 per tonne	Seems to be correct.	Nil
9h	Scrutiny of Annual return on fixed assets	Details given	Seems to be correct.	Nil
9k	Scrutiny of Annual return on mining machineries	Details given	Seems to be correct.	Nil

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**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)	01-APR-22			
MCDR17	Rule 26(2)	01-APR-22			

**Date :**

(D R GURJAR)

Indian Bureau of Mines