

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

**MCDR INSPECTION REPORT**

**Ajmer regional office**

**Mine file No :** RAJ/SKR-16/FE-1

**Mine code :** 30RAJ23004

- (i) Name of the Inspecting : **G021** ) **D R GURJAR**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sh. Prateek Agrawal, Proprietor & Sh. Govind Singh Nar  
Official with  
Designation
- (iv) Date of Inspection : 11-JUL-22
- (v) Prev. inspection date : 09-JAN-21

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **NARDA**
- (b) **Registration NO.** : **IBM/4646/2011**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address  
State : RAJASTHAN  
District : SIKAR  
Village : NARDA  
Taluka : NEEM-KA-THANA  
Post office : NARDA  
Pin Code : 322718  
FAX No. : 01412394400  
E-mail : prateekminerals@yahoo.com  
Phone : 9828010060
- (f) Police Station : Patan
- (g) First opening date : 06-SEP-77
- (h) Weekly day of rest : SUN
2. Address for : M/s Prateek Minerals  
correspondance : 20/204, Kaveri Path,  
Mansarovar, Jaipur, Rajasthan
3. (a) Lease Number : RAJ0036
- (b) Lease area : 24.61
- (c) Period of lease : 50
- (d) Date of Expiry : 10-APR-24
4. Mineral worked : IRON ORE Main

## 5. Name and Address of the

Lessee : M/s Prateek Minerals  
 20/204 Kaveri Path  
 Mansarovar JAIPUR  
 RAJASTHAN  
 Phone:01412394440  
 FAX :01412394400

Owner : M/s Prateek Minerals  
 20/204 Kaveri Path,  
 Mansarovar Jaipur JAIPUR  
 RAJASTHAN  
 Phone: 01412394440  
 FAX : 01412394400

Agent : Prateek Agrawal  
 20/204, Kaveri Path,  
 Mansarovar, Jaipur JAIPUR  
 RAJASTHAN  
 Phone: 9828010060  
 FAX :

## Mining Engineer

Name : Hemant Vyas,Part Time  
 Qualification : BE Mining  
 Appointment/ : 20-JAN-22  
 Termination date

## Geologist

Name : Saransh Kumar Srivastava,Full Time  
 Qualification : MSc Geology  
 Appointment/ : 15-MAR-21  
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	06-DEC-05
Plan/Scheme of Mining		FMCP under 23C(1)	22-JUN-06
		Existing rule 11 MCDR1988	15-SEP-06
		Mining Scheme rule 12 MCDR1988	05-MAY-15
		MP modif under 17(3) MCR 2016	22-AUG-16
		MP review under 17(1) MCR 2016	19-FEB-21

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal during the previous year	Not applicable	Nil
1b	Exploration over lease area for geological axis 1 or 2	During the year 2021-22, exploration proposed by way of 24 bore holes (2400m).	During the year 2021-22, exploration has only been carried out by way of 08 bore holes (800m).	During the year 2021-22 exploration was proposed by drilling of 24 bore holes (2400m) but only 8 bore holes (800m) drilling has been carried out during the year, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 05.09.2022.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Self by Ma/s Prateek Minerals Expenditures- Not specified	Self by Ma/s Prateek Minerals Expenditures- Rs. 13 lakh	As reported during the inspection.
1d	Balance area to be explored to bring Geological axis in 1 or 2	During the year 2021-22, exploration was proposed for G1 level to cover entire lease area by way of 24 bore holes.	During the year 2021-22, exploration has been carried out by way of 08 bore holes.	Due to shortfall in exploration during the year 2021-22, violation of Rule 11(1) of MCDR 2017 issued vide letter dated 05.09.2022.
1e	Balance reserve as on 01/04/20	Not specified	Reserve as on 01.04.2022 111- 235710 tonnes.	Nil
1f	General remarks of inspecting officers on geology, exploration etc			During the year 2021-22 exploration was proposed by drilling of 24 bore holes (2400m) but only 8 bore holes (800m) drilling has been carried out during the year, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 05.09.2022.

## Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Between Grid 50E to 200E & 100N to 400N.	Within proposed limit.	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No top soil bench, benches in OB & Mineral was proposed.	No bench observed in top soil. Benches in OB & Mineral was observed.,	During the inspection bench height in the excavated pit was found more than 10m or more at some places whereas proposal of 6m bench height was given in approved review of mining plan, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 05.09.2022.
2c	Stripping ratio or ore to OB ratio	2021-22: 1:0.92	2021-22: 1:0.03	cum:cum
2d	Quantity of topsoil generation in m3	No top soil generation proposal.	No top soil generated during the year.	Nil
2e	Quantity of overburden generation in m3	Year 2021-22: 11260 cum	Year 2021-22: 307.69 cum	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			During the inspection bench height in the excavated pit was found more than 10m or more at some places whereas proposal of 6m bench height was given in approved review of mining plan, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 05.09.2022.

### 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	2021-22: 42490T,	2021-22: 41500T	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	Nil
3f	Quantity of sub grade mineral generation.	No subgrade proposal.	No subgrade generated.	Nil
3g	Grade of sub grade mineral generation	No subgrade proposal.	Not applicable	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	None	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	None	Nil
3j	Provision of drilling and blasting in mineral benches	Yes	As per proposal	Nil
3k	Provision of mining machineries in mineral benches	Excavator for excavation & loading + Dumper	As per proposal	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, 6 mts high benches proposed.	Bench height & width have not been maintained as per approved proposals.	Hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 05.09.2022.
3m	Total area covered under excavation/pits	It was proposal that at the end of mining plan period(up to 10.04.2022) total 2.2 hect. area will be covered under mining pits.	1.50 hect	Up to year 2021-22.

3n	Ore to OB ratio for the pit/mine during the year.	2021-22: 1:0.92	2021-22: 1:0.03	Nil
3o	Total area put in use under different heads at the end of year	It is proposed 2.65 hect. area that at the end of plan period i.e. 10.04.2022 toatl area will put to use-3.69 hect.area		Up to year 2021-22.
3p	Production of ROM mineral during the last five year period as applicable	2017-18 56242 T, 2018-19 160204T, 2019-20 152830 T, 2020-21 196978 T, 2021-22 42490 T,	2017-18 42,400 T 2018-19 42,500 T, 2019-20 40,400 T, 2020-21 33,000 T , 2021-22 41,500T	Nil
3q	General remarks of inspecting officers on method of mining etc.			Method of mining is suitable 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)	Yes proposal of OB dumping was given	As per proposal	Nil
4b	Location of topsoil, OB and mineral reject dumps	OB dump proposed towards Eastern side of working pit.	No top soil & reject generated. Very less quantity of OB generated duiring the year which was dumped in existing waste dump.	Nil
4c	Number of dumps within lease area and outside of lease area	Two	One old dump exist within lease area, no fresh dumping carried out.	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.	02	01	Nil

4f	Number of dead dumps.	No proposal	None	Nil
4g	Number of dumps established.	No proposal	None	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Garland drain proposed & retaining wall proposed along new dump.	No new dump created during the year.	Nil
4i	Length of Retaining wall or garland drain all along dumps	20m garland drain & retaining wall proposed along new dump.	No new dump created however garland drain made along old waste dump.	Nil
4j	Number of settling ponds	No proposal	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management			No issue was 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 Proposal	None	Nil
5b	Area under backfilling of mined out area	Not proposed	Not applicable	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No top soil exist at place of excavation.	Not applicable	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 area become matured for backfillng.

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Lessee shall submit PMCP report up to 1st July for previous financial year.	PMCP Report for the year 2021-22 submitted by the lessee.	Nil
6b	Area available for rehabilitation (ha) .	No proposal	Not applicable	Nil
6c	afforestation done (ha).	2021-22: 0.2 hect.	2021-22: 0.2 hect.	Nil
6d	No. of saplings planted during the year	2021-22: 200 nos.	2021-22: 200 nos.	Nil
6e	Cumulative no .of plants	No specific proposal in this regard.	2000 nos.	Nil
6f	Any other method of rehabilitation	No proposal	None	Nil
6g	Cost incurred on watch and care during the year	Rs. 10,000	Rs. 10,000	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	None	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Nil	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	200 nos.	200 nos.	Nil
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	0.2 hect.	0.2 hect	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)	Proposed	Is being carried out.	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			PMCP compliance 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	No garde wsie sorting, all mineral will be dispatched.	As per proposal	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No oproposal	Not applicable	Nil
7c	Different grade of mineral sorted out at mines.	No proposal	Not applicable	Nil

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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
8a	Separate removal and utilization of topsoil (Rule 32)	No top soil exist at site of excavation.	Not applicable	Nil
8b	Concurrent use or storage of topsoil	Not applicable	Not applicable	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate Dumping of OB/IB proposed.	Separate Dumping of OB/IB carried out.	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	None	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	None during the last year.	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	200 nos. plantation proposed.	200 nos. sapling reported in PMCP report.	Nil
8g	Survival rate	Not specifeid	70%	Nil

8h	Water sprinkling on roads to control airborne dust	Proposed	Observed.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty is normal in and around mineas area.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly return shall be submitted before 10th day of month for previous month. Annual return shall be submitted up to 30th June in respect of previous financial year.	MR submitted up to month of Aug 2022 AR submitted up to year 2021-22.	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details given	Seems corrected	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details given	Seems corrected	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No mineral reject reportedq	seems corrected	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Details given	Seems corrected	Nil

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9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Details given	Seems corrected	Nil
9h	Scrutiny of Annual return on fixed assets	Details given	Seems corrected	Nil
9k	Scrutiny of Annual return on mining machineries	Drtails given	Seems corrected	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)	05-SEP-22				
MCDR17 Rule 47(a)	05-SEP-22				

**Date :**

**(D R GURJAR)**

Indian Bureau of Mines