

**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 : 1( ) A K JATOLIA  
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Shri Prateek Agarwal, Mine Owner  
Official with  
Designation
- (iv) Date of Inspection : 09-JAN-24
- (v) Prev.inspection date : 11-JUL-22

**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 correspondance** : M/s Prateek Minerals  
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 Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	06-DEC-05
		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 backlog of previous year	Nil	Nil
1b	Exploration over lease area for geological axis 1 or 2	No proposal	Not applicable as no proposal.	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Not Applicable	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	Not applicable	Nil
1e	Balance reserve as on 01/04/20	Reserve as on 31.03.2021 i.e. 291210 tonnes	Balance Reserve as on 31.03.2023 i.e. 207,710 tonnes	Nil
1f	General remarks of inspecting officers on geology, exploration etc			Balance Reserve as on 31.03.2023 i.e. 207,710 tonnes

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Proposed	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.	Nil
2c	Stripping ratio or ore to OB ratio	1:0.92	1:0.00	Nil
2d	Quantity of topsoil generation in m3	No proposal	Not applicable	Nil
2e	Quantity of overburden generation in m3	4660 Cum	Nil	No OB generated during the year.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Opencast Mining method is best suited for type of deposit.
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**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	Year 2022-23 : 42490 tonnes	Year 2022-23 : 42000 tonnes	Nil
3c	Recovery of sailable/usable mineral from ROM production	100 %	100 %	Nil
3d	Quantity of mineral reject generation	No proposal	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable as no proposal.	Not applicable	Nil
3f	Quantity of sub grade mineral generation.	No proposal	Nil	Nil
3g	Grade of sub grade mineral generation	Not applicable as no proposal.	Not applicable	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Mechanized	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Not applicable as no proposal	Nil
3j	Provision of drilling and blasting in mineral benches	Yes	As per proposal	Nil

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3k	Provision of mining machineries in mineral benches	Yes	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	2.20 Ha	1.50 Ha	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1:0.38	1:0.00	Nil
3o	Total area put in use under different heads at the end of year	3.69 Ha at end of the mining plan period.	2.35 Ha	Nil
3p	Production of ROM mineral during the last five year period as applicable	2018-19 : 1550137 T, 2019-20 : 1550540 T, 2020-21 : 1552035 T, 2021-22 : 42490 T, 2022-23 : 42490 T,	2018-19 : 42,500 T, 2019-20 : 40,400 T, 2020-21 : 38500 T, 2021-22 : 41500 T, 2022-23 : 42000 T,	Nil
3q	General remarks of inspecting officers on method of mining etc.			Method of mining is suitable to the type of deposit.

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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	No OB generated during the year.	Nil
4b	Location of topsoil, OB and mineral reject dumps	Proposed	As per proposal	Nil

4c	Number of dumps within lease area and outside of lease area	One	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.	01	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.	Proposed	Not carried out as per proposal.	Violation has been issued under rule 11 (1) of MCDR 2017 for not carrying as per proposal.
4i	Length of Retaining wall or garland drain all along dumps	20 m Garland Drain, 20M retaining wall were proposed	Not carried out as per proposal.	Violation has been issued under rule 11 (1) of MCDR 2017 for not carrying as per proposal.
4j	Number of settling ponds	No proposal	None	Nil
4k	Specific comments of inspecting officer on waste dump management			Violation has been issued under rule 11 (1) of MCDR 2017 for not carrying as per proposal.

#### 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	None	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No area become matured for backfillng.

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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).	Lessee shall submit PMCP report up to 1st July for previous financial year.	PMCP Report for the year 2022-23 submitted by the lessee.	Nil
6b	Area available for rehabilitation (ha) .	0.2 Ha	0.2 Ha	Nil
6c	afforestation done (ha).	0.2 Ha	0.2 Ha	Nil
6d	No. of saplings planted during the year	200 nos	200 nos	Nil
6e	Cumulative no .of plants	No specific proposal	1500 nos	Nil
6f	Any other method of rehabilitation	Plantation	Plantation	Nil
6g	Cost incurred on watch and care during the year	Rs.10000/-	As per proposal.	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal	None	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 backfilled area	No proposal	None	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	None	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	0.2 Ha	As per proposal	Nil
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	0.2 Ha	As per proposal	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	It is being carried out as per proposal.	Nil



6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	PMCP Compliance is 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	All ROM mineral will be dispatched	As per proposal	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.	Not applicable as 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			No issue observed related to mineral conservation.

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule of 32)	No top soil exist at site of excavation.	Not applicable	Nil
8b	Concurrent use or storage of topsoil	No proposal	Not applicable	Nil

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8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate Dumping of OB/IB proposed.	No OB generated during the year	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	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	200 nos plantation has been proposed.	As per proposal	Nil
8g	Survival rate	No specific proposal	70 %	AR:2022-23
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 mines 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	As per rule 45 of MCDR, monthly returns and annual returns to be submitted.	Monthly return (upto December 2023) and Annual Return for the year 2022-23 have been submitted.	Nil

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details given	Found to be in order.	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details given	Found to be in order	Nil
9d	Scrutiny of Annual return on afforestation	200 Numbers of trees reported during the year	Found to be correct.	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil Mineral reject has been reported.	Seems to be correct	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM Opening Stock - 171143.285 tonnes, and Closing Stock of ROM- 190889.420 tonnes.	Found to be in Order.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex Mine price- 300 Rs/ tonne and Production Cost-Rs. 224.23 per tonne	Found to be in order	Nil
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Asset-Rs 6996307	Found to be in order	Nil
9k	Scrutiny of Annual return on mining machineries	Deatils given	Found Ok	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)	09-FEB-24			

**Date :**

**(A K JATOLIA)**

Indian Bureau of Mines