

**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 : **S012** ) **Sharma H.C.**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sh. Shankar Lal Agrawal, Father of Sh. Prateek Agarwa  
Official with  
Designation
- (iv) Date of Inspection : 15-JAN-20
- (v) Prev.inspection date : 16-JAN-18

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **NARODA**
- (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 : **NARODA**
- Taluka : **NEEM-KA-THANA**
- Post office : **NARODA**
- 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-44**
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 :

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

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Not applicable	
1b	Exploration over lease area for geological axis 1 or 2	No specified proposal	Not applicable	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	None, expenditure not estimated.	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	About 2.89 ha area having exposures of out cropping Veins of mineral, where lessee has put working pits.	Balance 21.72 ha area not explored yet, neither there is any proposals for exploration in the approved mining plan.	VL of rule 12 (3) of MCDR 2017 is proposed to be pointed out.
1e	Balance reserve as on 01/04/20	2016-17-933582 tones, 2017-18-887909 tones, 2018-19---831667 tones, 2019-20-671463 tones	42500 T as on 1/4/2020	
1f	General remarks of inspecting officers on geology, exploration etc	Not applicable	Balance 21.72 ha area not explored yet, neither there is any proposals for exploration in the approved mining plan. VL of rule 12 (3) of MCDR 2017 is proposed to be pointed out for same.	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Between Grid E 100-200 & N 200-400.	As per proposals	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No over burden & No top soil exists at the site of excavation nor proposaal for same in the AMP.	No over burden & No top soil bench made nor needed.
2c	Stripping ratio or ore to OB ratio	1 : 0.95	Not applicable as there is no O/B
2d	Quantity of topsoil generation in m3	Not applicable	Not applicable
2e	Quantity of overburden generation in m3	Not applicable as there is no O/B	Not applicable as there is no O/B
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Not applicable	The development of pit is as per proposals.

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single	Single	
3b	Quantity of ROM mineral production proposed	2018-19- 42,500 T	2018-19- 42,500 T	
3c	Recovery of sailable/usable mineral from ROM production	100 %	100%	
3d	Quantity of mineral reject generation	Nil	Not applicable	
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	Not applicable	
3f	Quantity of sub grade mineral generation.	Nil	Not applicable	
3g	Grade of sub grade mineral generation	Not applicable	Not applicable	

3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Mechanized
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	No proposal	Not applicable
3k	Provision of mining machineries in mineral benches	Rock breaker for dislodging & excavator for excavation & loading	Being done
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, 6 mts high mineral bench.	Yes, 6 mts high mineral bench.
3m	Total area covered under excavation/pits	1.8 Hect	1.8 Hect
3n	Ore to OB ratio for the pit/mine during the year.	2018-19- 1: 0.95	Not applicable as there is Nil O/B.
3o	Total area put in use under different heads at the end of year	Excavation- 1.8 Hect, Waste/reject Dumping - 0.8 hect., Others- 0.63 hect.	Excavation- 1.8 Hect, Waste/reject Dumping - Nil hect., Others- 0.63 hect.
3p	Production of ROM mineral during the last five year period as applicable	2016-17- 46573T, 2017- 18-56242T, 2018-19- 160204T, 2019- 20- 152830T	2016-17-41500T, 2017- 18-42400T, 2018-19- T, 2019- T
3q	General remarks of inspecting officers on method of mining etc.	Not applicable	The exploitation is as per proposal.

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No top soil, reject or O/B waste requiring separate place for dumping.	As per proposal	
4b	Location of topsoil, OB and mineral reject dumps	Not applicable	Not applicable	
4c	Number of dumps within lease area and outside of lease area	One external dump proposed within lease area	One old dump exist within lease area, no fresh dumping carried out.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	In South central part of lease area on 200N & 300E grids.	No fresh dumping carried out.	
4e	Number of active and alive dumps.	One proposed	Nil	
4f	Number of dead dumps.	Three old dead dump	Three old dead dump	
4g	Number of dumps established.	No dump is stabilized completely	No dump is stabilized completely	
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes garland drains Proposed along the dumps.	Garland drains provided along the dumps.	
4i	Length of Retaining wall or garland drain all along dumps	75 mts garland drain proposed	Provided.	
4j	Number of settling ponds	No proposal	Not applicable	
4k	Specific comments of inspecting officer on waste dump management	Not applicable	The dumping is not required to be done presently. Past dead dumps are yet to be stabilised.	

#### 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	Not applicable	

5b	Area under backfilling of mined out area	Not proposed	Not applicable
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
5d	Total area fully reclaimed and rehabilitated	No proposal	Not applicable
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Not applicable	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).	Yes, as per rule	Not Submitted	
6b	Area available for rehabilitation (ha) .	No Proposal	Not applicable	
6c	afforestation done (ha).	2018-19-0.03Hect	2018-19-0.03Hect	
6d	No. of saplings planted during the year	2018-19-- 100 nos	2018-19-- 100 nos	
6e	Cumulative no .of plants	Approx-1500 Nos	Approx-1500 Nos	
6f	Any other method of rehabilitation	No Proposal	Not applicable	
6g	Cost incurred on watch and care during the year	Rs. 5000/-	Rs. 5000/-	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Not proposed	Not applicable	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not proposed	Not applicable
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Not proposed	Not applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed	Not applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Not proposed	Not applicable
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No Proposal	Not Applicable
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No Proposal	Not Applicable
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No Proposal	Not Applicable
6p	Compliance of environmental monitoring (core zone and buffer zone)	Regular monitoring as per EC & CTO conditions	Being done



6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Not applicable	The lessee's conduct towards implementation of PMCP was 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	2018-19- 42500 T	2018-19- 42500 T	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	Low grade & High Grade	Low grade & High Grade	
7d	Any beneficiation process at mines	Not Proposed	Not applicable	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Not applicable	No issue regarding mineral conservation.	

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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	
8b	Concurrent use or storage of topsoil	Not applicable	Not applicable	

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8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate Dumping of rejects & fines proposed.	No dumping required at separate place as whole ROM is saleable.
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 Proposal	Not applicable
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	About 1500 plants exist within lease area.	About 1500 plants exist within lease area.
8g	Survival rate	70 %	70%
8h	Water sprinkling on roads to control airborne dust	Continual spraying in haul road by tractor trolley.	Being done
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Not applicable	The aesthetic beauty in & around the mine is satisfactory.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Not applicable	M.R Submitted up to--- A.R. Submitted upto up to 2017-18, & A/R not submitted for the FY 2018-19.	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	The A/R for the year 2018-19 not submitted.	Not applicable
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	The A/R for the year 2018-19 not submitted.	Not applicable
9d	Scrutiny of Annual return on afforestation	The A/R for the year 2018-19 not submitted.	Not applicable
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	The A/R for the year 2018-19 not submitted.	Not applicable
9f	Scrutiny of Annual return on ROM stock and/or graded ore	The A/R for the year 2018-19 not submitted.	Not applicable
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The A/R for the year 2018-19 not submitted.	Not applicable
9h	Scrutiny of Annual return on fixed assets	The A/R for the year 2018-19 not submitted.	Not applicable
9k	Scrutiny of Annual return on mining machineries	The A/R for the year 2018-19 not submitted.	Not applicable

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**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 :**

**(Sharma H.C.)**

Indian Bureau of Mines