

**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 : **T001**) **Tardia K.K.**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : prateek Agarwal , Proprietor
Official with
Designation
- (iv) Date of Inspection : 27-DEC-16
- (v) Prev.inspection date : 20-AUG-15

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **NARODA**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : RAJASTHAN
District : SIKAR
Village : NARODA
Taluka : NEEM-KA-THANA
Post office : NARODA
Pin Code :
FAX No. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date : 06-SEP-77
- (h) Weekly day of rest :
2. Address for : M/s Prateek Minerals
correspondance : 6 G(A), Malviya Industrial Area, Jaipur
Rajasthan
3. (a) Lease Number : RAJ0036
- (b) Lease area : 44.03
- (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

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	Not proposed	na	
1b	Exploration over lease area for geological axis 1 or 2	not proposed	na	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	na	na	
1d	Balance area to be explored to bring Geological axis in 1 or 2	na	na	
1e	Balance reserve as on 01/04/20	933582 tonne	933582 tonne	
1f	General remarks of inspecting officers on geology, exploration etc			the remarks on geology, exploration etc are same as described in the Approved Mining Plan.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Development from 411 to 399 mRl in the North part of the Lease area along the section line H-H'	As per proposal	As per proposal
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	There is no top soil, hence no Separate benches in topsoil is required. Separate benches in overburden and mineral has been proposed.	Separate benches in overburden and mineral have been formed but benches towards SW side of the pit is not advanced as proposal.	Violation of rule 13(1) has been pointed out.

2c	Stripping ratio or ore to OB ratio	1:0.80	1:0.34	
2d	Quantity of topsoil generation in m3	There is no top soil.	na	
2e	Quantity of overburden generation in m3	16000 cub m	4000 cub m	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Development work is lagging due to poor market demand.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	49030 t	12600 t	
3c	Recovery of sailable/usable mineral from ROM production	80%	80%	
3d	Quantity of mineral reject generation	not proposed	na	
3e	Grade of mineral rejects generation and threshold value declared.	No Proposal	NA	
3f	Quantity of sub grade mineral generation.	No Proposal	NA	
3g	Grade of sub grade mineral generation	No Proposal	na	
3h	Manual / Mechanised method adopted for segregating from ROM	No Proposal	na	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Manual	Manual	
3j	Provision of drilling and blasting in mineral benches	No Proposal	na	
3k	Provision of mining machineries in mineral benches	Excavator & rock breaker for Dislodging & Removal & Loading of ROM as per page 19 of SOM.	As per proposal	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6 Mts	as per approved SOM.	
3m	Total area covered under excavation/pits	1.8 Hectares as proposed in SOM.	not additional	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.8	1:0.34	
3o	Total area put in use under different heads at the end of year		Pit-1.8 hecsts Waste/reject0.80 hecsts Others-0.63 hecsts	
3p	Production of ROM mineral during the last five year period as applicable	Yr2015-16=49030t	Yr2015-16= 13600t	
3q	General remarks of inspecting officers on method of mining etc.			Almost as per proposal

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate Dumping of Topsoil, OB & Mineral Reject are Proposed in The SOM.	As per proposal	As per proposal
4b	Location of topsoil, OB and mineral reject dumps	NW side of the pit .	As per SOM	As per proposal
4c	Number of dumps within lease area and outside of lease area	One external dump is proposed in the lease area, No dump is proposed outside the lease area.	One external dump is proposed in the lease area, No dump is proposed outside the lease area.	As per proposal
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	In the south central part of Lease area on the 200 N & 300 East grids the lease area	As per proposal	As per proposal
4e	Number of active and alive dumps.	1	1	
4f	Number of dead dumps.	na	na	
4g	Number of dumps established.	na	na	
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	As per proposal	As per proposal
4i	Length of Retaining wall or garland drain all along dumps	75 Mts	As per proposal	
4j	Number of settling ponds	na	na	
4k	Specific comments of inspecting officer on waste dump management			There is one external dump is proposed in the lease area, No dump is found outside the lease area, Retaining wall was found in the area

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No back filling is proposed.	It is proposed to sell the OB as construction aggregate after obtaining the permission from the competent authorities.	However, at present no OB is sold.
5b	Area under backfilling of mined out area	na	na	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	There is no top soil	na	
5d	Total area fully reclaimed and rehabilitated	na	na	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No back filling is proposed. It is proposed to sell the OB as construction aggregate, however, at present no ob is sold

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).		not submitted	violation of rule 23(E)(2) has been pointed out.
6b	Area available for rehabilitation (ha) .	na	na	
6c	afforestation done (ha).	0.03 Hect.	0.03 Hect.	
6d	No. of saplings planted during the year	100 Plants	100 Plants	
6e	Cumulative no .of plants	1500 Approx.	1500 Approx.	
6f	Any other method of rehabilitation	NA	NA	

6g	Cost incurred on watch and care during the year	Rs. 50,000	Rs. 50,000
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No back filling proposed	No back filling proposed
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	na	na
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	na	na
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No Proposal	na
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No Proposal	na
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No Proposal	No Proposal

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No Proposal	na	
6p	Compliance of environmental monitoring (core zone and buffer zone)	As per the condition of Environmental and Consent to Operate Granted by Raj State Pollution Control Board under the Air Act 1981 the regular monitoring of the Environme	Compliance is being done	Compliance is being done
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			There is no proposal in PMCP for closure at present. As per the condition of Environmental and Consent to Operate Granted by Raj. State Pollution Control Board under the Air Act 1981, the regular monitoring of the Environmental parameters are being done & compliance report is being submitted to competent authorities periodically.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	49030 t	13600t	

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Nil	
7c	Different grade of mineral sorted out at mines.	Low grade and high grade is proposed to be sorted out	13600 ton mined out ore does not require any sorting.	
7d	Any beneficiation process at mines	Neither proposed nor required.	na	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			As per proposal

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No top soil available, no proposal	na	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	parate dumps for overburden, waste rock, rejects and fines are proposed	Complied as proposed	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No back filling is proposed.	It is proposed to sell the OB as construction aggregate.	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	na	na	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	At present there are about 1500 plants existed in around the mining lease area	At present there are about 1500 plants existed in around the mining lease area	
8g	Survival rate	70%	50%	
8h	Water sprinkling on roads to control airborne dust	Tractor trolly with Water sprinkling system is present at the mine site.	As per proposal	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			No back filling is proposed. It is proposed to sell the OB as construction aggregate, however, at present no OB is sold. The aesthetic beauty in and around mines area is normal.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		M.R. Submitted up to - Jan 2017 A.R. not submitted up to- year 2015-2016	violation of rule 45(5)(b) has been pointed out.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		violation of rule 45(5)(b) has been pointed out.	violation of rule 45(5)(b) has been pointed out.

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	violation of rule 45(5)(b) has been pointed out.violation of rule 45(5)(b) has been pointed out.	violation of rule 45(5)(b) has been pointed out.	violation of rule 45(5)(b) has been pointed out.
9d	Scrutiny of Annual return on afforestation	violation of rule 45(5)(b) has been pointed out.	violation of rule 45(5)(b) has been pointed out.	violation of rule 45(5)(b) has been pointed out.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)			violation of rule 45(5)(b) has been pointed out.
9f	Scrutiny of Annual return on ROM stock and/or graded ore			violation of rule 45(5)(b) has been pointed out.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost			violation of rule 45(5)(b) has been pointed out.
9h	Scrutiny of Annual return on fixed assets			violation of rule 45(5)(b) has been pointed out.
9k	Scrutiny of Annual return on mining machineries			violation of rule 45(5)(b) has been pointed out.

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

Date :

(Tardia K.K.)

Indian Bureau of Mines