

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

**MCDR INSPECTION REPORT**

**Ajmer regional office**

**Mine file No :** RAJ/JHN-47/FE-16

**Mine code :** 30RAJ17011

- (i) Name of the Inspecting : **T001** ) **Tardia K.K.**  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Jai Nath Jha, Mining Engr.  
Official with  
Designation
- (iv) Date of Inspection : 16-MAR-17
- (v) Prev.inspection date : 08-JAN-16

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **PAPRA(6/2005)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :  
State : RAJASTHAN  
District : JHUNJHUNU  
Village :  
Taluka :  
Post office :  
Pin Code :  
FAX No. :  
E-mail :  
Phone :
- (f) Police Station :
- (g) First opening date : 20-JUN-11
- (h) Weekly day of rest :
2. Address for : Sh. Girdhari Singh, R/O Mohalla Rajputan,  
correspondance village- Tetra, Tehsil- Neem Ka Thana,  
District- Sikar
3. (a) Lease Number :
- (b) Lease area :
- (c) Period of lease :
- (d) Date of Expiry :
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : GIRDHARI SINGH  
S/O SH. BANNE SINGH  
SHEKHAWAT VILLAGE-TETRA  
TEHSIL-NEEM KA THANA SIKAR  
RAJASTHAN  
Phone:9414091961  
FAX :

Owner : GIRDHARI SINGH  
JHUNJHUNU RAJASTHAN  
Phone:  
FAX :

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 20-OCT-14  
Plan/Scheme of Mining

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	two bore holes were proposed to a depth of 20m up to 2015-16.	not done	Violation of rule 11(2) has been pointed out.
1b	Exploration over lease area for geological axis 1 or 2	Not Specified.	na	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Specified.	na	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not Specified.	na	
1e	Balance reserve as on 01/04/20		142157 tonne	
1f	General remarks of inspecting officers on geology, exploration etc		The exploration work is lagging .	The exploration work is lagging .

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	pit-1	pit-1	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches have been proposed in topsoil, overburden and mineral with sufficient advancement.	The advancement of the benches towards eastern side of the pit is not formed .	Violation of rule 11(2) has been pointed out.
2c	Stripping ratio or ore to OB ratio	1:1.02	1:1.02	As per proposal
2d	Quantity of topsoil generation in m3	nil	nil	

2e	Quantity of overburden generation in m3	2200	3000
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	pit-1	pit-1	
3b	Quantity of ROM mineral production proposed	45140 tonnes	8000 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	80%	80%	
3d	Quantity of mineral reject generation	nil	nil	
3e	Grade of mineral rejects generation and threshold value declared.	Fe- 23.21% Sio2- 48.4	Fe- 23.21% Sio2- 48.4	
3f	Quantity of sub grade mineral generation.	nil	nil	nil
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Mannual	Mannual	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA	
3j	Provision of drilling and blasting in mineral benches	short hole drilling and blasting.	short hole drilling and blasting.	
3k	Provision of mining machineries in mineral benches	shovel and dumper	shovel and dumper	

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes	yes	
3m	Total area covered under excavation/pits	1 hect	1 hect	
3n	Ore to OB ratio for the pit/mine during the year.	1:1.02	1:1.02	
3o	Total area put in use under different heads at the end of year	pit-1 hect Waste /reject dumping .52 others-1.5	pit-1 hect Waste /reject dumping .52 hect others-1.5 hect	
3p	Production of ROM mineral during the last five year period as applicable	2014-15-24000 tonne 2015-16-43320 tonne	2014-15-8000 tonne 2015-16-Nil tonne	
3q	General remarks of inspecting officers on method of mining etc.			working is done almost as per proposal.

## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	separate dumping of top soil , OB & mineral	separate dumping of top soil , OB & mineral is carried out.	
4b	Location of topsoil, OB and mineral reject dumps	Near C pillar	As per proposal	As per proposal
4c	Number of dumps within lease area and outside of lease area	Within lease area.	Within lease area.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	on non mineralised.	on non mineralised.	As per proposal
4e	Number of active and alive dumps.	2	2	
4f	Number of dead dumps.	nil	nil	

4g	Number of dumps established.	nil	nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	yes	yes	
4i	Length of Retaining wall or garland drain all along dumps	190m	1500m	
4j	Number of settling ponds	none	NA	
4k	Specific comments of inspecting officer on waste dump management			Almost as per proposal

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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.	not proposed	na	na
5b	Area under backfilling of mined out area	na	na	na
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	for plantation	for plantation	
5d	Total area fully reclaimed and rehabilitated	na	na	na
5e	General remarks of inspecting officers on backfilling and reclamation etc.		No mature area available for reclamation.	No mature area available for reclamation.

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Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Annual report to be submitted.	Not submitted.	violation of rule 23(E)(2) has been pointed out.
6b	Area available for rehabilitation (ha) .	nil	nil	
6c	afforestation done (ha).	1 hect	1 hect	
6d	No. of saplings planted during the year	100	200	
6e	Cumulative no .of plants	500	1000	
6f	Any other method of rehabilitation	none	na	na
6g	Cost incurred on watch and care during the year	not specified	own	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	na	na	
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 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.	na	na	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	na	na	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	na	na	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	na	na	
6p	Compliance of environmental monitoring (core zone and buffer zone)	yearly	yearly	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Almost as per proposal

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	semi mechanised	as per proposal	as per proposal
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	mannual	mannual	
7c	Different grade of mineral sorted out at mines.	feruginus	feruginus	

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7d	Any beneficiation process at mines	na	na	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			the recovery of usable grade from ROM is up to 80%.

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	topsoil to beremoved separately.	As per proposal	As per proposal
8b	Concurrent use or storage of topsoil	nil	storage	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	proposed	As per proposal	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	not specified	na	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	nil	nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	25 saplings per /year.	50 saplings per /year.	
8g	Survival rate	60%	60%	

8h	Water sprinkling yes on roads to control airborne dust	yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Almost as per proposal	Almost as per proposal

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		M.R. Submitted upto - april 16 A.R. submitted upto- 2014-15	violation of rule 45(5)(b) and 45(5)(c) have been pointed out.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		violation of rule 45(5)(b) and 45(5)(c) have 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) and 45(5)(c) have been pointed out.	
9d	Scrutiny of Annual return on afforestation		violation of rule 45(5)(b) and 45(5)(c) have been pointed out.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)		violation of rule 45(5)(b) and 45(5)(c) have been pointed out.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore		violation of rule 45(5)(b) and 45(5)(c) have been pointed out.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost		violation of rule 45(5)(b) and 45(5)(c) have been pointed out.	
9h	Scrutiny of Annual return on fixed assets		violation of rule 45(5)(b) and 45(5)(c) have been pointed out.	

9k	Scrutiny of Annual return on mining machineries	violation of rule 45(5)(b) and 45(5)(c) have been pointed out.
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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

**Date :**

**(Tardia K.K.)**

Indian Bureau of Mines