

**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 : **P022** ) **PANKAJ KULSHRESTHA**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri Deepak Singh, Lessee  
Official with  
Designation
- (iv) Date of Inspection : 16/11/2022
- (v) Prev.inspection date : 18/07/2018

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **PAPRA(6/2005)**
- (b) **Registration NO.** : **IBM/32580/2018**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address :  
State : RAJASTHAN  
District : JHUNJHUNU  
Village : PAPADA KALAN  
Taluka : UDAIPUR WATI  
Post office : PAPADA KALAN  
Pin Code : 3338  
FAX No. :  
E-mail : vsshekhawat0091@gmail.com  
Phone : 9829007091
- (f) Police Station :
- (g) First opening date : 20/06/2011
- (h) Weekly day of rest :
2. Address for : S/o late Sh. Girdhari Singh, R/O Mohalla Rajputa  
correspondance : village- Tetra, Tehsil- Neem Ka Thana,  
District- Sikar
3. (a) Lease Number : RAJ3379
- (b) Lease area : 4.2
- (c) Period of lease : 50
- (d) Date of Expiry : 21/10/2058
4. Mineral worked : IRON ORE Main

## 5. Name and Address of the

Lessee : Deepak Singh  
S/o Sh Late Girdhari Singh  
Village Tetra Tehsil Sri  
Madhopur SIKAR RAJASTHAN  
Phone:9829007091  
FAX :

Owner : DEEPAK SINGH  
C/o M/s Trirupati Iron Ore  
Mines P.No. 272, Ganga  
Sagar -A, Near Kar ni  
Palace  
Road,Panchyawala,Jaipur  
SIKAR RAJASTHAN  
Phone:  
FAX :

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	20/10/2014
Plan/Scheme of Mining	:	MP review under 17(1) MCR 2016	21/08/2018

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil. no proposal during the year 2021-22.	Not applicable	
1b	Exploration over lease area for geological axis 1 or 2	Nil during the year 2021-22	Not applicable	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Not applicable.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Not applicable	
1e	Balance reserve as on 01/04/20	111 : 429780 t	Balance reserves as on Oct.,2022 under category 111 are 429780 t.	
1f	General remarks of inspecting officers on geology, exploration etc	NA	The current status of geology and exploration may be considered as satisfactory.	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	It was proposed to continue the mining in existing pit upto 393 mRL during the year 2021-22		
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes.	As per proposal	
2c	Stripping ratio or ore to OB ratio	1:0.20		

2d	Quantity of topsoil generation in m3	Yes, additional requirement of 0.04 hectare of area was estimated during hte plan period.	The top soil is being stacked separately as per proposal.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NA	The current status of development of pit w.r.t. type of deposit may be considered as satisfactory.

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	As per proposal	
3b	Quantity of ROM mineral production proposed	121750 t of ROM proposed during hte year 2021-22.	17365 tonnes during the year 2021-22. A violation letter in this regard is under process.	
3c	Recovery of sailable/usable mineral from ROM production	It was proposed to recover 103970 t of mineral from 121750 t of ROM during the year 2021-22.	17365 t of ROM produced along with 5000 t of waste during hte year 2021-22.	
3d	Quantity of mineral reject generation	Nil	Not applicable	
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Not applicable	
3f	Quantity of sub grade mineral generation.	Nil	Not applicable	
3g	Grade of sub grade mineral generation	Nil	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	As per proposal	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	No beneficiation study carried out during the year 2021-22.
3j	Provision of drilling and blasting in mineral benches	Yes, If required ,controlled blasting was proposed by short holes of Jack hammer with 0.8m burden and 1.0m spacing.	As per proposal.
3k	Provision of mining machineries in mineral benches	Yes, Air compressor, Poclain-90, rock breaker attachment, Tipper and Tractor with tank.	As per proposal.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6 m average height proposed in benches.	As per proposal.
3m	Total area covered under excavation/pits	It was proposed to excavate 1200 sq.m. of area during the year 2021-22.	As per proposal.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.20	1: 0.28 during the year 2021-22
3o	Total area put in use under different heads at the end of year	1200 sq.m. under excavation storage of top soil :0.04 H Mineral storage :0.10 H Roads : 0.15 H	As per proposal

3p	Production of ROM mineral during the last five year period as applicable	2017-18 : 44690 T 2018-19 : 120550 T 2019-20 : 132680 T 2020-21 : 124950 T 2021-22 : 121750 T	2017-18 : Nil 2018-19 : Nil 2019-20 : Nil 2020-21 : Nil 2021-22 : 17365 T
3q	General remarks of inspecting officers on method of mining etc.	NA	The current status of method of mining may be considered as satisfactory.

## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes, it was proposed to separate dump top soil and overburden.	As per proposal	
4b	Location of topsoil, OB and mineral reject dumps	It was proposed to stack Soil near pillar B whereas waste dump was proposed along pillar A-D at 100N	As per proposal.	
4e	Number of active and alive dumps.	One active dump only	One active dump only	
4f	Number of dead dumps.	Nil	Not applicable	
4g	Number of dumps established.	Nil	Not applicable	
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil, however the area is surrounded by stone wall	As per proposal.	
4i	Length of Retaining wall or garland drain all along dumps	Nil	Not applicable	
4j	Number of settling ponds	Nil	Not applicable	

4k	Specific comments of inspecting officer on waste dump management	NA	The current status of waste dump management may be considered as satisfactory.
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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.	Nil	Not applicable	
5b	Area under backfilling of mined out area	Nil	Not applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	The top soil is being utilised for the purpose of plantation program	
5d	Total area fully reclaimed and rehabilitated	Nil	Not applicable	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NA	The area is not matured for backfilling or reclamation.	

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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	Yes, the report has been submitted for the year 2021-22.	
6b	Area available for rehabilitation (ha) .	Nil	Not applicable	

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6c	afforestation done (ha).	Around 25 saplings were proposed to plant each year.	The plantation observed in around 1 ha. 0.10 ha. WML and 0.90 OML
6d	No. of saplings planted during the year	25 Nos.	As per proposal
6e	Cumulative no .of plants	NA	In the lease area th emain flora is shrubs and bushes. Some Khejra tress and other tress also observed in the lease area and surrounding the lease area planted by lessee.The plantation observed in aprox 1 hectare of area (0.10hect. WML and 0.9 hect. OML)
6f	Any other method of rehabilitation	Nil	Not applicable.
6g	Cost incurred on watch and care during the year	Nil	Rs. 5000 as intimated during the inspection.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	NA	Not applicable
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	Not applicable
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	Nil	Not applicable



6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Not applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Nil	Not applicable
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Nil	Not applicable
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Nil	Not applicable
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Nil	Not applicable
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Yes, periodical environmental monitoring is being done.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NA	The status of PMCP compliance and progressive closure operation may be considered as 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	ROM dispatch	ROM is being dispatched from the mine	

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	No sorting is being practiced
7c	Different grade of mineral sorted out at mines.	No grading proposed at mine site.	Not applicable
7d	Any beneficiation process at mines	Nil	Not applicable
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NA	The current status of mineral conservation may be considered as satisfactory

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Yes top soil whenever encountered is being stacked separately for further use.	
8b	Concurrent use or storage of topsoil	NA	The soil is being used in plantation program.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	Overburden is being stacked separately at the place earmarked,	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	Not applicable	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	Not applicable
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	The lease area is 4.2 hectare, around 25 trees were proposed to plant each year.	The lessee has planted saplings in the land owned by him within the boundary wall. As on date 0.1 hectare of area has been covered under plantation.
8g	Survival rate	NA	70%
8h	Water sprinkling on roads to control airborne dust	NA	Yes ,the water sprinkling on mine road is being practised to control airborne dust.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NA	The current status of aesthetic beauty in and around mine area may be considered as 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	Yes	The annual return for the year 2021-22 submitted on 21.07.2022	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mines Manager : Mr Pravesh Choudhary Mining Engineer : NA Geologist : NA	Mines Manager : Mr Pravesh Choudhary Mining Engineer : NA Geologist : NA	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Already exploited by opencast (O/C) mining : 2.260 hect. Covered under current (O/C) Workings : 1.0 hect. Reclaimed/Rehabilitated : 0.1 hect Occupied by plant, buildings, residential, welfare buildings & roads : 0.21 hect. Used for waste disposal : 0.35 hect. storage top soil : 0.6 hect.	As per proposal
9d	Scrutiny of Annual return on afforestation	(i) Number of trees planted during the year : WML-100, OML-200 with survival rate 50% (WML) and 75% (OML)	As per proposal
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Quartzite	The Quartzite reported as mineral reject is not correct, it is o/b waste.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Total ROM Ore production (tonnes) : 17365 t as per AR 2021-22	Total ROM Ore production (tonnes) : 17365 t
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine price (in ? Per Tonne) has been reported as Rs. 777.4 and Cost of production has been reported as Rs. 661.00	The Ex mine price and cost of production reported seem to be correct.

9h	Scrutiny of Annual return on fixed assets	The own capital has been reported as Rs.13324800, whereas Rents (excluding surface rent) paid during the year has been reported as Rs. 62473.	The details furnished seem to be correct.
9k	Scrutiny of Annual return on mining machineries	BACK HOE 1.250 CUM : 1 and DUMPER 9.000 TONNE : 1	The above mentionedd machinery was available at the mine site.

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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 :

(PANKAJ KULSHRESTHA)

Indian Bureau of Mines