

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

**MCDR INSPECTION REPORT**

**Ajmer regional office**

**Mine file No :** RAJ/JHN-35/FE- 5

**Mine code :** 30RAJ17006

- (i) Name of the Inspecting : **P022** ) **PANKAJ KULSHRESTHA**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri M.K.Goyal, REp. of lessee, Shri Vijay Kumar, Min  
Official with  
Designation
- (iv) Date of Inspection : 05/12/2024
- (v) Prev.inspection date : 16/03/2018

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **DUDWA**
- (b) **Registration NO.** : **IBM/16293/2013**
- (c) **Category** : **A Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **RAJASTHAN**
- District : **JHUNJHUNU**
- Village : **DUDWA**
- Taluka : **KHETRI**
- Post office : **KHETRI**
- Pin Code :
- FAX No. : **0651-3299331**
- E-mail : **pkmewara1964@yahoo.in**
- Phone : **9416579915**
- (f) **Police Station** :
- (g) **First opening date** : **01/08/1983**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **C/o Adhunik Consumer Product**  
**West Market road,**  
**Upper Bazar Ranchi**
3. (a) **Lease Number** : **RAJ0052**
- (b) **Lease area** : **23.33**
- (c) **Period of lease** : **50**
- (d) **Date of Expiry** : **25/03/2033**
4. **Mineral worked** : **IRON ORE** **Main**

## 5. Name and Address of the

Lessee : M/S Shakambary Maa Minerals  
 C/O Adhunik Consumer  
 Products West Market Road,  
 Upper Bazar Ranchi ( RANCHI  
 JHARKHAND  
 Phone:  
 FAX :

Owner : M/S Shakambary Maa Minerals  
 C/o Shri Gajanand Choudhary  
 Gandhi Bazar, Narnoal  
 Haryana RANCHI JHARKHAND  
 Phone:  
 FAX :

## Mining Engineer

Name : Vijay Kumar, Full Time  
 Qualification : BE(Mining)  
 Appointment/ :  
 Termination date

## Geologist

Name : Nimbalkar Tushr Pradiprao, Full Time  
 Qualification : M.Sc. (Geology)  
 Appointment/ :  
 Termination date

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	30/09/1995
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	20/01/2005
		Existing rule 11 MCDR1988	16/12/2005
		Mining Scheme rule 12 MCDR1988	11/04/2012
		Renewal under rule 24 MCR1960	12/05/2014
		MP modif under 17(3) MCR 2016	30/05/2017
		MP review under 17(1) MCR 2016	09/07/2018

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	It was proposed to put 16 bore holes with total meterage of 640 meters at grid interval of 100 m.	Total 12 bore holes with 621 m total meterage at grid of 100m done during the year 2023-24.	
1b	Exploration over lease area for geological axis 1 or 2	It was proposed to put 16 Core bore holes with total meterage of 640 meters at 100 m grid interval during the year 2023-24.	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No such information available	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Area to be explored : 8.5442 H.	Nil	
1e	Balance reserve as on 01/04/20	Proved mineral reserve : 626202.00 T ( Fe2O3 46.69%), Prefeasibility Mineral Resource (B): 41154.00 T ( Fe2O3 46.69%) as on 01.04.2023.	As above	
1f	General remarks of inspecting officers on geology, exploration etc	NA	The present status on geology and exploration may be considered as satisfactory.	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	It was proposed to develop pit no. 1,3, 4 during the yera 2023-24 in the western block of the lease area.	As above.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No top soil/ overburden available therefore separate benches not required.	Separate bench to removal of overburden maintained.
2c	Stripping ratio or ore to OB ratio	NA	1:0.12
2d	Quantity of topsoil generation in m3	Nil	Not applicable
2e	Quantity of overburden generation in m3	Nil	3000 cu.m. of overburden generated during the year 2023-24.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NA	The present status of pit w.r.t. type of deposit may be considered as satisfactory.

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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Pit No. 1,3,4 proposed for production during the year 2023-24.	As above	
3b	Quantity of ROM mineral production proposed	It was proposed to raise 23826.00 T of ROM during the year 2023-24.	Production during the year 2023-24 reported as 23750 T.	
3c	Recovery of sailable/usable mineral from ROM production	100%	As above	
3d	Quantity of mineral reject generation	Nil	As above	

3e	Grade of mineral rejects generation and threshold value declared.	No reject generation proposed.	Not applicable
3f	Quantity of sub grade mineral generation.	No sub grade generation proposed during the eyar 2023-24.	Not applicable
3g	Grade of sub grade mineral generation	No such proposal	Not applicable
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	As above
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No such proposal	Not applicable
3j	Provision of drilling and blasting in mineral benches	Yes, drilling of holes upto 6.6 m depth and blasting proposed.	As above
3k	Provision of mining machineries in mineral benches	Yes, one Hydraulic excavator loader proposed during the year 2023-24.	As above
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	The maximum height of 6 m proposed in mineral.	Yes. the maximum height of 6 m is suitable for method of mining .
3m	Total area covered under excavation/pits	It was proposed to cover total 2.11 hectares of area under excavation during teh year 2023-24.	Covered under current (O-C) Workings reported as 2.09 hectares during the year 2023-24.
3n	Ore to OB ratio for the pit/mine during the year.	Nil	1:0.12 during the year 2023-24.

3o	Total area put in use under different heads at the end of year	Area under Mining : 2.11 ha, Overburden/Waste Dumping: 0.07 ha, Mineral Storage : 0.1 ha, Roads: 0.96 ha, Others : 0.17 ha. during the year 2023-24.	Covered under current (O-C) Workings : 2.090 h, Used for waste disposal : 0.07 ha, Occupied by plant, buildings, residential, welfare buildings and roads : 1.06 ha.
3p	Production of ROM mineral during the last five year period as applicable	2019-20: 2020-21: 2021-22: 2022-23: 2023-24: 23826 T	2019-20: 0.0 T 2020-21: 0.0 T 2021-22: 0.0 T 2022-23: 0.0 T 2023-24: 23750 t
3q	General remarks of inspecting officers on method of mining etc.	NA	The present status on method of mining may be considered as satisfactory.

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Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	There was no proposal for top soil, overburden or mineral reject during the year 2023-24.	During the year 2023-24 total 3000 cu.m. of overburden generated which was dumped separately.	
4b	Location of topsoil, OB and mineral reject dumps	NA	The overburden generated was stacked separately in western block.	
4c	Number of dumps within lease area and outside of lease area	No waste/ top soil/ reject dump proposed.	One overburden dump observed in western block of the lease area.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No such proposal	The overburden dump is located outside UPL.	
4e	Number of active and alive dumps.	No such proposal	One.	
4f	Number of dead dumps.	Nil	None	
4g	Number of dumps established.	No such proposal	Not applicable	

4h	Whether Retaining wall or garland drain all along dumps are there.	NA	Yes, along O/b dump.
4i	Length of Retaining wall or garland drain all along dumps	No such proposal	30 meter.
4j	Number of settling ponds	No such proposal	Not applicable
4k	Specific comments of inspecting officer on waste dump management	NA	The present status on waste dump management may be considered as satisfactory.

#### 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 such proposal	The area is not matured for backfilling.	
5b	Area under backfilling of mined out area	No such proposal	Not applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No such proposal	Not applicable	
5d	Total area fully reclaimed and rehabilitated	No such proposal	Not applicable	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NA	The area is not matured for backfilling and reclamation activities.	

#### 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).	Yes	As above
6b	Area available for rehabilitation (ha) .	No such proposal	Not applicable
6c	afforestation done (ha).	Yes 50 No.	As above
6d	No. of saplings planted during the year	125 Nos.	As above
6e	Cumulative no .of plants	750 Nos.	Total 726 plants reported in the AR 2023-24.
6f	Any other method of rehabilitation	Nil	Not applicable
6g	Cost incurred on watch and care during the year	NA	Rs. 45000/- as informed 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	As above
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NA	Not applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No such proposal	Not applicable

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	Not applicable
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Yes, afforestation proposed	50 saplings planted
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No such proposal	Not applicable
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No such proposal of rehabilitation during the year 2023-24.	Not applicable
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes, monitoring of environmental parameters proposed	As above.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NA	The present status on PMCP compliance and progressive closure operations 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	It was proposed to produce 23826 t during the year 2023-24.	During the year 2023-24 total 23750 t of ROM produced.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	As above.	
7c	Different grade of mineral sorted out at mines.	NA	As above	

7d	Any beneficiation process at mines	No such proposal	Not applicable
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NA	The present status on mineral conservation may be considered as satisfactory.

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal of top soil removal during the year 2023-24.	Not applicable	
8b	Concurrent use or storage of topsoil	NA	Not applicable	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	The overburden/waste has been stacked separately.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No such proposal	Not applicable	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No such proposal	Not applicable	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Total 726 saplings planted.	As above	

8g	Survival rate	85%	86% survival rate achieved during the year 2023-24.
8h	Water sprinkling on roads to control airborne dust	Yes	As above
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NA	The present status on aesthetic beauty in and around mines 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	Yes, submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer : Shri Vijay Kumar Geologist : Shri N.T.Pradiprao Manager : Shri Vijay Kumar	As above	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O-C) Workings : 2.09 ha, Used for waste disposal : 0.07 ha, Occupied by plant, buildings, residential, welfare buildings and roads : 1.06 ha.,	As above.	
9d	Scrutiny of Annual return on afforestation	Number of trees planted during the year : 125, Survival rate in percentage : 86%,	Number of trees planted during the year : 50, Survival rate in percentage : 86%,	

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No mineral reject generation proposed during the year 2023-24.	No reject generated during the year.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	530 TROM : 23750 T, Despatches : 683.470 T, Lumps and fines of 51% to below 55% Fe, closing stock : 22546.	As above
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine price for lumps : Rs. 4084 and Ex-mine price for fines : Rs. 3031, Cost of production reported as Rs.447.44	Seems to be correct.
9k	Scrutiny of Annual return on mining machineries	SHOVEL (HYDRAULIC) : One DUMPER : One	As above

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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