

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

**MCDR INSPECTION REPORT**

**Ajmer regional office**

**Mine file No :** RAJ/AJM-606/GARNET-551

**Mine code :** 26RAJ01011

- (i) Name of the Inspecting : **26** ) **Nishant kumar rao**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : SH Shishpal choudhary ,Sh SK Soni RQP  
Official with  
Designation
- (iv) Date of Inspection : 12-APR-24
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **SARWAR 44/01**
- (b) **Registration NO.** :
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : RAJASTHAN
- District : AJMER
- Village :
- Taluka :
- Post office :
- Pin Code :
- FAX No. :
- E-mail :
- Phone :
- (f) **Police Station** :
- (g) **First opening date** : 19-JAN-06
- (h) **Weekly day of rest** :
2. **Address for** :
- correspondance**
3. (a) **Lease Number** : RAJ2323
- (b) **Lease area** : 5
- (c) **Period of lease** : 50
- (d) **Date of Expiry** : 30-JAN-56
4. **Mineral worked** : GARNET Main

## 5. Name and Address of the

Lessee : SHER MOHAMMAD S/O NOOR MOHAMMAD  
AJMER RAJASTHAN  
Phone:  
FAX :

Owner : SHER MOHAMMAD  
AJMER RAJASTHAN  
Phone:  
FAX :

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	17-JAN-06
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	29-MAR-15
		MP review under 17(1) MCR 2016	18-OCT-16

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	7 trenches	nil	
1b	Exploration over lease area for geological axis 1 or 2	nil	nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	lessee himself	nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	G 2 : 2.12 ha G 3 : 0.28 ha	Nil	
1e	Balance reserve as on 01/04/20	-	Reserve is 82078 t & resource is 53990 t total 136068 t as per AR	
1f	General remarks of inspecting officers on geology, exploration etc			deviation point out to lessee

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N 2882170- N2882248 E 503457- E503531	N 2882170-N2882248 E 503457-E503531	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	YES	YES	
2c	Stripping ratio or ore to OB ratio	1:0.2	1:1	
2d	Quantity of topsoil generation in m3	2835 CUB MTR	Nil	
2e	Quantity of overburden generation in m3	nil	nil	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	deviation point out to lessee
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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	53865 t	5350 t	
3c	Recovery of sailable/usable mineral from ROM production	10773 t	1070 t	
3d	Quantity of mineral reject generation	43092 t	4280 t	
3e	Grade of mineral rejects generation and threshold value declared.	na	na	
3f	Quantity of sub grade mineral generation.	na	na	
3g	Grade of sub grade mineral generation	na	na	
3h	Manual / Mechanised method adopted for segregating from ROM	manual	manual	
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	not ptoposed	na	

3k	Provision of mining machineries in mineral benches	JCB excavator ,tipper	as above
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	0.91 ha	0.18 ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.2	1:1
3o	Total area put in use under different heads at the end of year	2.19ha	0.93 ha
3p	Production of ROM mineral during the last five year period as applicable	2018-19:8387 t 2019-20:9014 t 20-21:10492 t 21-22:11400 t 22-23:20520 t 23-24:53865 t	2018-19: 0 t 2019-20: 399.83 t 20-21: 10467 t 21-22: 5230 t 22-23:5240 t 23-24:5350 t
3q	General remarks of inspecting officers on method of mining etc.		deviation point out to lessee

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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	yes	
4b	Location of topsoil, OB and mineral reject dumps	N 2882245-N 2882285 E 503531 -E 503570	N 2882245-N 2882285 E 503531 -E 503570	
4c	Number of dumps within lease area and outside of lease area	One inside	one inside	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	
4e	Number of active and alive dumps.	one active & alive	as proposed	
4f	Number of dead dumps.	na	na	
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	Retain wall :40 mtr ,Garland drain : 50 m	as proposed	
4j	Number of settling ponds	not proposed	na	
4k	Specific comments of inspecting officer on waste dump management			deviation point out to lessee

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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.	Na	na	
5b	Area under backfilling of mined out area	165 sq mtr	nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	proposed for spreading	as per proposal	
5d	Total area fully reclaimed and rehabilitated	not proposed	na	

5e General remarks of inspecting officers on backfilling and reclamation etc. nil

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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	
6b	Area available for rehabilitation (ha) .	na	na	
6c	afforestation done (ha).	For year 20 total 65 inside lease & 180 outside lease	as proposed	
6d	No. of saplings planted during the year	20 inside the lease 180 out side lease	20 inside the lease 180 out side lease	
6e	Cumulative no .of plants	65 inside lease 240 outside lease	as above	
6f	Any other method of rehabilitation	not proposed	na	
6g	Cost incurred on watch and care during the year	-	rs 20000	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	165 sq mtr	as above	
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	20 during year as above total 65 inside lease		
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)	yes	yes	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			deviation point out to lessee

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Mineral Conservation:

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Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM production : 53865 t Recoverable Minerals :10773 t	ROM production :5340 t Recoverable :1070 t	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	mechanical	mechanical	
7c	Different grade of mineral sorted out at mines.	20% recoverable	20% recoverable	
7d	Any beneficiation process at mines	Magnetic separator	as above	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			nil

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Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	yes proposed	yes	
8b	Concurrent use or storage of topsoil	Usage for spreading	as proposed	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No OB is there ,only mineral reject dump is there	as above	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	not proposed	na	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	not proposed	na	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Total within lease 65 outside lease :240	as above	
8g	Survival rate	Inside lease 80 % outside lease 60 %	Inside lease 80 % outside lease 60 %	
8h	Water sprinkling on roads to control airborne dust	yes proposed	yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			nil

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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 submitted within time	AR submitted on 29/06/24	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sh Devesh as Mining engineer Sh Nirmal as geologist	as above	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(i) Already exploited and abandoned by opencast (O-C) mining 0.000 (ii) Covered under current (O-C) Workings 0.180 (iii) Reclaimed-rehabilitated 0.000 (iv) Used for waste disposal 0.470 (v) Occupied by plant, buildings, residential, welfare buildings and roads 0.130 (vi) Used for any other purpose (specify) Plantation 0.150 (vii) Work done under progressive mine closure plan during the year 0.000	as above
9d	Scrutiny of Annual return on afforestation	Description Within lease area i) Number of trees planted during the year 20 outside lease 180 ii) Survival rate in percentage 80 outside lease 60 iii) Total no. of trees at the end of the year 60 outside lease 240	as above

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	4280 t	ok	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Opening stock was 0.370 t & production during year 1070 t ,dispatch was 1036.150 t closing stock 34.220 t	as above	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex mine price is given rs2499.66/t		deviation point to lessee
9h	Scrutiny of Annual return on fixed assets	Land cost 1150000		
9k	Scrutiny of Annual return on mining machineries	for machinery 6181361		nil

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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 :**

(Nishant kumar rao)

Indian Bureau of Mines