

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

**MCDR INSPECTION REPORT**

**Ajmer regional office**

**Mine file No :** RAJ/JSL-25/SE-11

**Mine code :** 97RAJ14004

- (i) Name of the Inspecting : **26** ) **Nishant kumar rao**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sh Kuldeep Khatri (Agent)  
Official with  
Designation
- (iv) Date of Inspection : 25-JUL-24
- (v) Prev.inspection date : 26-FEB-19

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **SAJIT(457/12)**
- (b) **Registration NO.** : **IBM/17329**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address
- State : RAJASTHAN
- District : JAISALMER
- Village : SAJIT
- Taluka : FATEHGARH
- Post office : FATEHGARH
- Pin Code : 345001
- FAX No. :
- E-mail : DEEPSUNDRI@YAHOO.COM
- Phone : 9413306995
- (f) Police Station : Fatehgarh
- (g) First opening date : 01-JAN-15
- (h) Weekly day of rest : SUN
2. Address for : S/o Shri Khub chand Khatri  
correspondance Res- Shashtri Nagar  
Barmer 344001
3. (a) Lease Number : RAJ5172
- (b) Lease area : 4.89
- (c) Period of lease : 50
- (d) Date of Expiry : 09-OCT-64
4. Mineral worked : SILICEOUS EARTH Main

## 5. Name and Address of the

Lessee : PARMESHWAR KHATRI S/O KHOOBCHAND KHATRI  
SHASTRI NAGAR, BARMER  
(RAJ.) PIN COAD- 344001  
JAISALMER RAJASTHAN  
Phone:09413306995  
FAX :

Owner : PARMESHWAR KHATRI  
Shastri Nagar, Mandi Road  
Lokopada BARMER RAJASTHAN  
Phone: 9414294745  
FAX : Nil

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	10-JUN-14
Plan/Scheme of Mining	:	MP review under 17(1) MCR 2016	09-APR-19

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal	nil	
1b	Exploration over lease area for geological axis 1 year or 2	No proposal during the year	nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Lessee himself declared as exploration agency. No exploration proposed during the year	No exploration carried out during in this year therefore no expenditure on exploration during in this year.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Out of total 4.89 hectares of lease area 2.1031 hectare was considered as under G3 as per previous approved mining plan on 09.04.2019.	No change in exploration status as no such activity carried out during in this year..	
1e	Balance reserve as on 01/04/20	-	-	
1f	General remarks of inspecting officers on geology, exploration etc			nil

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	It was proposed to develop the pit in central part of the lease area towards southern direction	no working pit extend	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	separate bench in this year no working in over burden pit extend was proposed with RL from 278 to 276 with 9450 cu.m. 5180 of O/b generation.	
2c	Stripping ratio or ore to OB ratio	1:0.456	1:0.0 In this year no working pit extend
2d	Quantity of topsoil generation in m3	na	As per plan
2e	Quantity of overburden generation in m3	5180 cub mtr	Overburden not generated
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		nil

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#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Production from one pit was proposed	Production raised from one pit during the year	
3b	Quantity of ROM mineral production proposed	13500t	310t	
3c	Recovery of sailable/usable mineral from ROM production	95 %	90%	
3d	Quantity of mineral reject generation	Not Specified	nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not Specified	nil	
3f	Quantity of sub grade mineral generation.	Not Specified	nil	

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3g	Grade of sub grade mineral generation	No proposal	nil
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.	No proposal	Not Specified
3j	Provision of drilling and blasting in mineral benches	No proposal	nil
3k	Provision of mining machineries in mineral benches	On hire basis	On hire basis
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	OB bench 2m, mineral bench -4 m	As per plan
3m	Total area covered under excavation/pits	Total 1.98 hectares of area was proposed under mining during the plan period.	Total 0.67 hectare so f lease area covered under excavation up to the year
3n	Ore to OB ratio for the pit/mine during the year.	1:0.812 during the year	1:0.00 During the year
3o	Total area put in use under different heads at the end of year	2.33 hecets	1.616 hecets
3p	Production of ROM mineral during the last five year period as applicable	2019-20: 10840 t 2020-21: 11380 t 2021-22: 11400 t 2022-23: 13100 t 2023-24: 13500 t	2019-20: 290 t 2020-21: 360 t 2021-22: 1000 t 2022-23: 100 t 2023-24: 320 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)	It was proposed to backfill the waste in the voids.	as proposed	
4b	Location of topsoil, OB and mineral reject dumps	nil	nil	
4c	Number of dumps within lease area and outside of lease area	nil	nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	nil	nil	
4e	Number of active and alive dumps.	nil	nil	
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.	nil	nil	
4i	Length of Retaining wall or garland drain all along dumps	nil	nil	
4j	Number of settling ponds	nil	nil	
4k	Specific comments of inspecting officer on waste dump management			nil

## 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.	Backfilling after full extraction	In this year no working pit extend	
5b	Area under backfilling of mined out area	0.1430hect.	0.004 hect.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	For backfilling and plantation	no top soil during the RY	
5d	Total area fully reclaimed and rehabilitated	0.1 ha	0.06 ha	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			nil

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Progressive Mine Clousre Plan:

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Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yes, as per rule	yes	
6b	Area available for rehabilitation (ha) .	no proposal	nil	
6c	afforestation done (ha).	no proposal	nil	
6d	No. of saplings planted during the year	no proposal	nil	
6e	Cumulative no .of plants	no proposal	nil	
6f	Any other method of rehabilitation	no proposal	nil	
6g	Cost incurred on watch and care during the year	no proposal	nil	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	1.98hect	0.2672hect
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal	nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	nil



6p	Compliance of environmental monitoring (core zone and buffer zone)	As per consent conditions of EC	Being done	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			nil

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	not specified	ROM mineral dispatched after the dry. For this ROM is spread on surface than accumulated and dispatched.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	Not specified	Not graded differently	
7d	Any beneficiation process at mines .	Not specified	None	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			nil

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Separate removal and utilization of top soil for backfilling	As per plan spreading on backfilled area.	

8b	Concurrent use or storage of topsoil	Backfilling and plantation	Spreading on backfilled area.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed separate dumping with simultaneous backfilling	Backfilling is being done	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Simultaneous backfilling	Backfilling is being done	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Simultaneous backfilling	Backfilling is being done	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	50 nose of trees to be planted	Planted 50 trees but survival rate is poor	
8g	Survival rate	Not specified	survival rate is 20%	
8h	Water sprinkling on roads to control airborne dust	Proposed	being done	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			deviation pointed out to lessee

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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 up to June 2024 A.R. Submitted for 2023-24. Submit	Submitted within time	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager : Shri Parmeshwar Khatri, Mining Engineer Rajesh Kumar Naval	Manager : Shri Parmeshwar Khatri, Mining Engineer Rajesh Kumar Naval No geologist appointed	deviation point out for geologist appointment
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	current (O-C) as above Workings: 0.476 hect., Reclaimedrehabilitated: 0.197 hect., Occupied by plant, buildings, residential, welfare buildings and roads: 0.1 hect. , Used for any other purpose (specify) MINERAL STACK: 0.16hects.	as above	
9d	Scrutiny of Annual return on afforestation	Number of trees planted during the year: 50 (WML), 10(OML), Survival Rate 20% Total no. of trees at the end of the year 2022-23 : 70(WML), 15(OML)	As above	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	grade mineral 675ton reject generation reported	30ton reject generation during the year 2023-24.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	During the year 2023-24 total 310 Ton produced from the mine.	During the year 2023-24 total 310 Ton produced from the mine.	

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The ex-mine price reported as Rs. 550in the annual return and cost of production reported as Rs. 548.7	The ex-mine price reported as Rs. 550in the annual return and cost of production reported as Rs. 548.7
9h	Scrutiny of Annual return on fixed assets	No information furnished under this head in the annual return for the year	No information furnished under this head in the annual return for the year
9k	Scrutiny of Annual return on mining machineries	backhoe, jeep, t ractor	backhoe, jeep, tractor

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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 :**

**(Nishant kumar rao)**

Indian Bureau of Mines