

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

**MCDR INSPECTION REPORT**

**Ajmer regional office**

**Mine file No :** RAJ/JSL-13/LST-1

**Mine code :** 38RAJ14002

- (i) Name of the Inspecting : **26** ) **Nishant kumar rao**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sh Ashish Parihar (Mies Manager)  
Official with  
Designation
- (iv) Date of Inspection : 22-DEC-24
- (v) Prev.inspection date : 09-OCT-19

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **SANU (1000HECT.)**
- (b) **Registration NO.** : **IBM/5158/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : RAJASTHAN
- District : JAISALMER
- Village : JOGA
- Taluka : JAISALMER
- Post office : SANU
- Pin Code : 345001
- FAX No. : 02992-251394
- E-mail : sanumines@yahoo.co.in
- Phone : 02992-270283
- (f) Police Station :
- (g) First opening date : 19-MAR-87
- (h) Weekly day of rest : SUN
2. Address for : P.BOX NO.56,  
correspondance KHANIJ BHAWAN  
JAISALMER
3. (a) Lease Number : RAJ1485
- (b) Lease area : 998.4
- (c) Period of lease : 50
- (d) Date of Expiry : 30-MAR-67
4. Mineral worked : LIMESHELL Associated  
LIMESTONE Main

## 5. Name and Address of the

Lessee : RAJASTHAN STATE MINES & MINERALS LTD.  
 RSMM LTD., GYPSUM DIVN.  
 SADUL CLUB BUILDING,  
 BIKANER BIKANER RAJASTHAN  
 Phone:0151-2523295, 2544178, 2542291, 2542133  
 FAX :0151-2523519

Agent : D D SHRIPAT  
 8 WEST PATEL NAGAR, JODHPUR  
 JODHPUR RAJASTHAN  
 Phone:  
 FAX :

Manager  
 Name : Rajendra Menaria  
 Qualification : BE(Mining)  
 Appointment/ : 10-APR-18  
 Termination date

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	14-JUN-91
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	20-AUG-97
		Mining Scheme rule 12 MCDR1988	04-FEB-02
		Mining Scheme rule 12 MCDR1988	17-JUN-03
		Mining Scheme rule 12 MCDR1988	04-SEP-06
		Mining Scheme rule 12 MCDR1988	27-MAY-08
		Mining Scheme rule 12 MCDR1988	13-SEP-12
		MP review under 17(1) MCR 2016	13-DEC-16
		MP modif under 17(3) MCR 2016	05-DEC-18

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	na	na	
1b	Exploration over lease area for geological axis 1 or 2	na	na	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	na	na	
1d	Balance area to be explored to bring Geological axis in 1 or 2	na	na	
1e	Balance reserve as on 01/04/20		13,15,1000 t	
1f	General remarks of inspecting officers on geology, exploration etc			ok

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	3020945-3020600N,65472 2-654928E North Block 3019870-3019242N,65472 2-655006E South Block	4200-5100N,7200-7520E North Block 3240-4000N,6600-6760E South Block	deviation point out to lesee
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	na	na	Single bench working
2c	Stripping ratio or ore to OB ratio	na	na	
2d	Quantity of topsoil generation in m3	na	Overlain by Alluvium at few places	

2e	Quantity of overburden generation in m3	na	na	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			-

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	2	2	
3b	Quantity of ROM mineral production proposed	3300000 MT	2935407 MT	deviation point out to mine official
3c	Recovery of sailable/usable mineral from ROM production		45.52% (30-80 mm) 14.62% (-30 mm)	-
3d	Quantity of mineral reject generation	910843 MT	1169535.69 MT	
3e	Grade of mineral rejects generation and threshold value declared.	High grade reject-10-30 mm Low grade reject-10 mm	High grade reject-10-30 mm Low grade reject-10 mm	Thresold value of SMS Gr Limestone is CaO-39% SiO2-14.8%
3f	Quantity of sub grade mineral generation.	846000 MT	429413.24 MT	-
3g	Grade of sub grade mineral generation	High grade reject-10-30 mm Low grade reject-10 mm	High grade reject-10-30 mm Low grade reject-10 mm	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Mechanized	ok

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	yes	yes by 4 inch dia	
3k	Provision of mining machineries in mineral benches	Excavator with dumper combination	As Excavator with dumper combination	ok
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes	yes It vary from 3.5 to 5.5 meter	
3m	Total area covered under excavation/pits	48.68 ha	30.46 ha	
3n	Ore to OB ratio for the pit/mine during the year.	NA	NA	-
3o	Total area put in use under different heads at the end of year	377.76 ha	377.76 ha	
3p	Production of ROM mineral during the last five year period as applicable	15900000 te	12818962 te	deviation point out to mine official
3q	General remarks of inspecting officers on method of mining etc.			Deviation for less production point out to mine official

## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	na	NA Surface Deposit in outcrop form	

4b	Location of topsoil, OB and mineral reject dumps	na	na	
4c	Number of dumps within lease area and outside of lease area	2	2	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	662463 to 662960 E 3022192N to 3021846 N  662463E to 662703 E 3019376N to 3018747.57N	662463 to 662960 E 3022192N to 3021846 N  662463E to 662703 E 3019376N to 3018747.57N	-
4e	Number of active and alive dumps.	2	2	-
4f	Number of dead dumps.		5	
4g	Number of dumps established.	5	5	
4h	Whether Retaining wall or garland drain all along dumps are there.			
4i	Length of Retaining wall or garland drain all along dumps	na	na	-
4j	Number of settling ponds	na	na	
4k	Specific comments of inspecting officer on waste dump management			-

#### 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.	Yes, Full extraction of Mineral from mined out area before starting backfilling	Yes, Full extraction of Mineral from mined out area before starting backfilling	
5b	Area under backfilling of mined out area	11.38 ha	11.87 ha	-

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	na	na	
5d	Total area fully reclaimed and rehabilitated		505.95 ha	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			-

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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	yes ,PMCP kmz not having all attributes	deviation point out to mine official
6b	Area available for rehabilitation (ha) .	na	na	
6c	afforestation done (ha).	10 ha	13.7 ha	
6d	No. of saplings planted during the year	10000	13000	-
6e	Cumulative no .of plants		129300	-
6f	Any other method - of rehabilitation	-	-	
6g	Cost incurred on watch and care during the year		1256810	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	28.8 Ha	21.41 Ha	deviation point out to mine official

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	21.80 Ha	11.87 Ha	deviation point out to mine official
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	20 Ha	13.7 Ha	
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)	yes	yes	ok



6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Deviation point out to lesee
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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area		13,36,457.79(30-80 mm) 4,29,413.24(0-30 mm)	deviation point out to mine official
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	mechanical	mechanical	
7c	Different grade of mineral sorted out at mines.	Yes, different grade of mineral was separated only by screening at plant.	Yes, different grade of mineral was separated only by screening at plant.	
7d	Any beneficiation process at mines .	na	na	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	na	NA No top soil, surface deposit.	
8b	Concurrent use or storage of topsoil	na	NA No top soil, surface deposit.	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes, there are separate dump for mineral rejects & fines.	Yes, there are separate dump for mineral rejects & fines.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Mineral rejects & fine is dumped in mined out area & for backfilling.	Mineral rejects & fine is dumped in mined out area & for backfilling.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Area used for Plantation (fire-wood plant), for natural water reservoirs & backfilled by clayey soil of low grade fines	Area used for Plantation (fire-wood plant), for natural water reservoirs & backfilled by clayey soil of low grade fines	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	5000 no.	5000 no.	
8g	Survival rate	70%	74%	
8h	Water sprinkling on roads to control airborne dust	yes	yes ,but due to desert area limited water is available	
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	yes submitted on time	ok

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	yes provided	Yes available in annual return but wrong information was given for geologist	No geologist was appointed at site
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	yes	yes	
9d	Scrutiny of Annual return on afforestation	yes	yes	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	yes	yes	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	yes	Dispatch from mines and sold value not matching	deviation point out to lessee
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	yes	yes	
9h	Scrutiny of Annual return on fixed assets	yes	yes	
9k	Scrutiny of Annual return on mining machineries	yes	yes	

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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