

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

**MCDR INSPECTION REPORT**

**Ajmer regional office**

**Mine file No :** RAJ/BAR-396/SELENITE-13

**Mine code :** 29RAJ04017

- (i) Name of the Inspecting : **26** ) **Nishant kumar rao**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sh Deepak Kalla Agent, Sh Jadav Mining engineer  
Official with  
Designation
- (iv) Date of Inspection : 24-JUN-24
- (v) Prev.inspection date : 05-OCT-19

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **THOB(2/98)**
- (b) **Registration NO.** : **IBM/418/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : RAJASTHAN
- District : BARMER
- Village : THOB
- Taluka : PACHPADRA
- Post office : Thob
- Pin Code : 344032
- FAX No. : 01591-230206
- E-mail : gotan@jkcement.com
- Phone : 01591-230201-03
- (f) Police Station : Pachpadra
- (g) First opening date : 13-MAR-15
- (h) Weekly day of rest : SUN
2. Address for : M/s. J.K.White Cement works,  
correspondance Post Gotan Tehsil - Merrta  
Dist-Nagaur 342902 , Phone No: 01591-230206
3. (a) Lease Number :
- (b) Lease area :
- (c) Period of lease :
- (d) Date of Expiry :
4. Mineral worked : GYPSUM Main

## 5. Name and Address of the

Lessee : J. K. CEMENT LIMITED  
Kamla Tower KANPUR URBAN  
UTTAR PRADESH  
Phone:  
FAX :

## Geologist

Name : Sushil Tak, Full Time  
Qualification : MSC Geology  
Appointment/ : 17-JUL-18  
Termination date

## Manager

Name : K D Jhadhav  
Qualification : BE Mining  
Appointment/ : 20-FEB-16  
Termination date

6. Date of approval of Mining : MP modif under 17(3) MCR 2016 05-DEC-18  
Plan/Scheme of Mining

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No backlog	NA	
1b	Exploration over lease area for geological axis 1 or 2	Nil	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	nil	nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	nil	nil	
1e	Balance reserve as on 01/04/20	Reserves 359035 t Resources 20400 t	Reserves 359035 t Resources 20400 t	
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	N 309 - N 515 E008-E584	N 300 -N 950 E 008 - E 300	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	yes	yes	
2c	Stripping ratio or ore to OB ratio	1: 1.86	1: 2.90	Less excavation due to quality issue of material and water logging in mines.
2d	Quantity of topsoil generation in m3	119322 Cum.	1102.78 Cum.	deviation point to lessee
2e	Quantity of overburden generation in m3	77381 Cum.	12307 Cum./ 14770 MT	

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	50000 MT	5080 MT	
3c	Recovery of sailable/usable mineral from ROM production	15000 MT	2110 MT	
3d	Quantity of mineral reject generation	na	na	
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	Mechanized mines and segregating by Rotatory Screen	Mechanized mines and segregating by Rotatory Screen	
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	na	na	

3k	Provision of mining machineries in mineral benches	ICB backhoe	ICB backhoe	
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	11.93 ha.	0.5518 ha.	Deviation point out to lessee
3n	Ore to OB ratio for the pit/mine during the year.	1:1.86	1:2.90	
3o	Total area put in use under different heads at the end of year	Pit - 11.93 ha. Backfill - 9.83 ha Plantation - 1 ha.	Pit - 0.5518 ha. Backfill - 0.3791ha. Plantation - 0.001ha	
3p	Production of ROM mineral during the last five year period as applicable	2019-20:50000 t 2020-21:46031 t 2021-22: 47458 t 2022-23 :49818 t 2023-24 :50000 t	2019-20: 0 t 2020-21:0 t 2021-22: 450 t 2022-23 : 200 t 2023-24 :5080 t	
3q	General remarks of inspecting officers on method of mining etc.			Deviation point 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)	na	na	
4b	Location of topsoil, OB and mineral reject dumps	na	na	

4c	Number of dumps within lease area and outside of lease area	na	na	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	na	na	
4e	Number of active and alive dumps.	na	na	
4f	Number of dead dumps.	na	na	
4g	Number of dumps established.	na	na	
4h	Whether Retaining wall or garland drain all along dumps are there.	na	na	
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			nil

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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.	2023-24 full extraction before backfilling	2023-24 full extraction before backfilling	
5b	Area under backfilling of mined out area	BF Area -9.83 ha.	BF Area - 0.3791ha.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	119322 Cum.	1103.78 Cum.	

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5d	Total area fully reclaimed and rehabilitated	1 ha	0.001 ha.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			deviation point to lessee for less back filling

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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) .	nil	nil	
6c	afforestation done (ha).	1 hac	nil	
6d	No. of saplings planted during the year	1000	50	
6e	Cumulative no .of plants	7700	2960	
6f	Any other method of rehabilitation	no	no	
6g	Cost incurred on watch and care during the year	nil	nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	ha.	11.93 0.172 ha.	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	9.83 ha	0.3791 ha	

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	1 ha	nil	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	nil	nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	nil	nil	
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)	2023-24 Four time in a Year	2023-24 Four time in a Year	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Deviation point 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	Dispatch target not given in proposal	2107.48 T	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	na	na	
7c	Different grade of mineral sorted out at mines.	na	na	
7d	Any beneficiation process at mines	na	na	
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)	119322 cum.	1103.78 cum.	deviation point out to lessee
8b	Concurrent use or storage of topsoil	The top soil will be simultaneously utilized on backfilling	The top soil is simultaneously utilized on backfilling	nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	na	na	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Use of overburden in backfilling	Use of overburden in backfilling	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Continuous reclaimed (Backfilling) the land affected by mining	Continuous reclaimed (Backfilling) the land affected by mining	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Plantation 1000 nos. on backfilled area. Not Specified	Plantation has done on outside lease area. 50 nos.	
8g	Survival rate	not specify	50%	
8h	Water sprinkling on roads to control airborne dust	Water Spraying on mines road	Water Spraying on mines road	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			deviation point 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	Submit on time	Submit on time	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer Khowendra D Jadhav Geologist: Sushil Tak M.Sc.(Geo),	Mining Engineer Khowendra D Jadhav Geologist: Sushil Tak M.Sc.(Geo),	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit- 2.348 ha. Mineral Stack- 0.86 Infra. - 0.12 Green Belt- 0.91 Backfilling- 2.175	Pit- 2.65 ha. Mineral Stack-0.86 Infra. - 0.12 Green Belt- 0.91 Backfilling- 2.42	

9d	Scrutiny of Annual return on afforestation	1000	50	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	nil	nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	na	na	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	given	provided	
9h	Scrutiny of Annual return on fixed assets	na	na	
9k	Scrutiny of Annual return on mining machineries	JCB, Dumper	JCB, Dumper	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