

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/JSL-23/SE-09

Mine code : 97RAJ14002

- (i) Name of the Inspecting : **26**) **Nishant kumar rao**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sh Bhawani Singh ,Sh S.K.Soni (QP)
Official with
Designation
- (iv) Date of Inspection : 23-JUL-24
- (v) Prev.inspection date : 25-NOV-18

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SAJIT(217/13)**
- (b) **Registration NO.** : **IBM/16828/2013**
- (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 :
- Pin Code :
- FAX No. :
- E-mail : reactivesilica@gmail.com
- Phone : 9414762777
- (f) Police Station : Fatehgarh
- (g) First opening date : 01-DEC-14
- (h) Weekly day of rest : SUN
2. Address for : Sh. Ashok Khatri S/o Late Shri Tikam Chand Khatr
correspondance Enko Ki Pol, Pokaran
Dist Jaiselmer
3. (a) Lease Number : RAJ5170
- (b) Lease area : 4.74
- (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 : ASHOK KUMAR KHATRI
 Inko ki Pol Pokaran
 JAISALMER RAJASTHAN
 Phone:
 FAX :

Owner : ASHOK KUMAR KHATRI
 Inko ki Pol Pokaran
 JAISALMER RAJASTHAN
 Phone:
 FAX :

Mining Engineer

Name : Shri Rajesh Nawal, Part Time
 Qualification : BE(Mining)
 Appointment/ :
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	14-MAR-14
Plan/Scheme of Mining	:	MP review under 17(1) MCR 2016	25-JAN-19

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No backlog	nil	
1b	Exploration over lease area for geological axis 1 or 2	no proposal	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	-	Remaining area in G 2 is 1.23 ha & in G 3 is 0.51 ha	
1e	Balance reserve as on 01/04/20		balance r&r is 148701t	
1f	General remarks of inspecting officers on geology, exploration etc			Deviation point to lessee

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	In the approved mining plan, it was proposed that mined development will be started from near Boundary Pillar C from I year of mining plan period.	Currently mining operation was observed in Central Western Part of the lease area	deviation point to lessee
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	yes	as per proposal	
2c	Stripping ratio or ore to OB ratio	1:1.42	nil	

2d	Quantity of topsoil generation in m3	1575 cub mtr	nil	
2e	Quantity of overburden generation in m3	13125 cub mtr	nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Deviation point out to lessee

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	3000 t	800 t	
3c	Recovery of sailable/usable mineral from ROM production	100	100	
3d	Quantity of mineral reject generation	no proposal for reject	na	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	na	
3f	Quantity of sub grade mineral generation.	no proposal	na	
3g	Grade of sub grade mineral generation	no proposal	na	
3h	Manual / Mechanised method adopted for segregating from ROM	no proposal	na	

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	yes	as per proposal
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	At start of 2023-24 total area put to use undermining- 2.828 hect	Already exploited and abandoned by opencast (O-C) mining: 0.35 ha Covered under current (O-C) Workings: 0.122ha
3n	Ore to OB ratio for the pit/mine during the year.	1:2.4	1:2.4
3o	Total area put in use under different heads at the end of year	Covered under current (O-C) Workings: 0.122 ha Reclaimed rehabilitated : 0.122 ha Occupied by roads: 0.005 ha Area under Plantation: 0.122 ha	Covered under current (O-C) Workings: 0.122 ha Reclaimed rehabilitated : 0.122 ha Occupied by roads: 0.005 ha Area under Plantation: 0.122 ha
3p	Production of ROM mineral during the last five year period as applicable	2019-20: 15062.70 T 2020-21: 15115.80 T 2021-22: 2301 T 2022-23: 2443 T 2023-24: 3000 T	2019-20: Nil 2020-21: 1512 2021-22: 218.89 2022-23: 124 T 2023-24: 800 T

3q	General remarks of inspecting officers on method of mining etc.	Deviation pointed 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)	No proposal of nil Topsoilstackin g & OB was given. Itwas proposedthat OB will be used forbackfilling inmined out area& top soilwill be spreadover backfilledarea		
4b	Location of topsoil, OB and mineral reject dumps	No proposal ofdumps	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	The present status may be considered as satisfactory.
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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.	Full extraction of mineral	As per proposal	
5b	Area under backfilling of mined out area	Total 0.33 hect. area will be backfilled.	nil	deviation point to lesee
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Yes proposal given	nil	
5d	Total area fully reclaimed and rehabilitated	Total 0.33 hect area will be reclaimed by way of backfilling	nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			deviation point to lesee

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).	PMCP report shall besubmitted	yes	
6b	Area available for rehabilitation (ha) .	0.115 ha	nil	

6c	afforestation done (ha).	0.115 ha	0.122 ha
6d	No. of saplings planted during the year	50	50
6e	Cumulative no .of plants	200	100
6f	Any other method of rehabilitation	na	na
6g	Cost incurred on watch and care during the year	25000/-	25000/-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	0.33 ha	none
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	0.33 ha	nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	0.33 ha	nil
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 ,once in a year	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			deviation point to lessee

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	All ROM mineral will be dispatched	Production: 800T Dispatch from mine head 1659.620 T No grading	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	no sorting	none	
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			deviation point to lessee

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	yes	no top soil generated during year	
8b	Concurrent use or storage of topsoil	For spreadover Backfilledarea .	none	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal of dumps, Simultaneously backfillingpro posed	nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	no proposal	na	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	total 0.33 hect. area backfilling proposed.	nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	50	50	
8g	Survival rate	60 %	60 %	
8h	Water sprinkling on roads to control airborne dust	proposed	available	

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	deviation point 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	Submitted on time	within time submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager: None MiningEngineer incharge: Shri Radhey Shyam PaliwalGeologi st: None	Manager: None MiningEngineer incharge: Shri Radhey Shyam PaliwalGeologist: None	deviation for geologist point to lessee
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Alreadyexploit ed andabandoned by opencast (O-C) mining: 0.35ha Covered under current (O-C) Workings:0.122 haReclaimed rehabilitated: 0.122 haUsed for Plantation:0.122 haOccupied by plant,building s, residential,we lfarebuildings androads: 0.005 ha	as abve	
9d	Scrutiny of Annual return on afforestation	Number oftrees plantedduring the year: 50 Nos	Total 50 trees planted during the year 2023-24	

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	na	na	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	800 t	800 t	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex- mine price reported as Rs. 572.35	Ex- mine price reported as Rs. 572.35 Sale value shown less than cost of production of rs 600/ t	
9h	Scrutiny of Annual return on fixed assets	nil value given	nil	deviation point to lesee
9k	Scrutiny of Annual return on mining machineries	given	ok	

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