

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/JSL-27/SE-13

Mine code : 97RAJ14013

- (i) Name of the Inspecting : **B019**) Baj V B
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sh. Suresh Mali, Represntative
Official with
Designation
- (iv) Date of Inspection : 23-AUG-18
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SAJIT(4/97)**
- (b) **Registration NO.** : **IBM/10774/2012**
- (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 : suryaparakash306@gmail.com
- Phone : 9587776920
- (f) Police Station : Fatehgarh
- (g) First opening date : 12-JAN-05
- (h) Weekly day of rest : SUN
2. Address for : Chhatrapal Paliwal
correspondance Vill & Post- Revari, Teh - Fatehgarh
Jaisalmer
3. (a) Lease Number :
- (b) Lease area :
- (c) Period of lease :
- (d) Date of Expiry :
4. Mineral worked : SILICEOUS EARTH Main

5. Name and Address of the

Lessee : CHHATRAPAL PALIWAL
VILL.& POST - RIVRI TEH -
FATEHGARH DISTT- JAISALMER
JAISALMER RAJASTHAN
Phone:9610830777
FAX :

Owner : CHHATRAPAL PALIWAL
VILL. & POST- RIVRI TEH-
FATEHGARH DISTT - JAISALMER
JAISALMER RAJASTHAN
Phone: 9610830777
FAX :

6. Date of approval of Mining :
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Two prospecting trenches	Mineral has already been extracted from the location where exploration was proposed.	The mine was inspected for examination of the Review of Mining Plan.
1b	Exploration over lease area for geological axis 1 or 2	Not proposed	Not applicable.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not proposed	Not applicable	
1e	Balance reserve as on 01/04/20	Cat 111 - 82744 tonne Cat 121/122 - 49624 tonne Cat 211 - 16640 tonne Cat 221/222 - 6496 tonne	Cat 111 - 82744 tonne Cat 121/122 - 49624 tonne Cat 211 - 16640 tonne Cat 221/222 - 6496 tonne	
1f	General remarks of inspecting officers on geology, exploration etc			Mineral has been extracted from the location where the exploration was proposed. The mine was inspected for examination of the Review of Mining Plan.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	South west part of the lease	South west part of the lease	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in topsoil, OB and mineral proposed	Separate benches in topsoil, OB and mineral have been made	

2c	Stripping ratio or ore to OB ratio	1 : 1.99	1 : 1.99	
2d	Quantity of topsoil generation in m3	25420 m3	13531 m3	
2e	Quantity of overburden generation in m3	9728 tonnes mineral reject	1790 tonne mineral reject.	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Small scale mining was done in the lease area. The mine was inspected for examination of the Review of Mining Plan.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit	One pit	
3b	Quantity of ROM mineral production proposed	2013-14 - 17260 t 2014-15 - 18860 t 2015-16 - 18860 t 2016-17 - 21150 t 2017-18 - 21150 t	2013-14 - 445 t 2014-15 - 5311 t 2015-16 - 3670 t 2016-17 - 00 t 2017-18 - 00 t	
3c	Recovery of sailable/usable mineral from ROM production	2013-14 - 15534 t 2014-15 - 16974 t 2015-16 - 16974 t 2016-17 - 19035 t 2017-18 - 19035 t	2013-14 - 401 t 2014-15 - 4780 t 2015-16 - 2755 t 2016-17 - 00 t 2017-18 - 00 t	
3d	Quantity of mineral reject generation	2013-14 - 1726 t 2014-15 - 1886 t 2015-16 - 1886 t 2016-17 - 2115 t 2017-18 - 2115 t	2013-14 - 44 t 2014-15 - 531 t 2015-16 - 915 t 2016-17 - 00 t 2017-18 - 00 t	

3e	Grade of mineral rejects generation and threshold value declared.	Less than 10% of siliceous earth	Less than 10% of siliceous earth
3f	Quantity of sub grade mineral generation.	No sub grade generation	Not applicable
3g	Grade of sub grade mineral generation	No sub grade generation	Not applicable
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised method	Mechanised method
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Not applicable
3j	Provision of drilling and blasting in mineral benches	Not proposed	Not applicable
3k	Provision of mining machineries in mineral benches	Excavator & dumper	Excavator & dumper
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	1.12 hect.	1.12 hect.
3n	Ore to OB ratio for the pit/mine during the year.	1 : 1.99	1 : 1.99
3o	Total area put in use under different heads at the end of year	1.215 hect.	1.215 hect.

3p	Production of ROM mineral during the last five year period as applicable	2013-14 - 17260 t	2013-14 - 445 t
		2014-15 - 18860 t	2014-15 - 5311 t
		2015-16 - 18860 t	2015-16 - 3670 t
		2016-17 - 21150 t	2016-17 - 00 t
		2017-18 - 21150 t	2017-18 - 00 t

3q	General remarks of inspecting officers on method of mining etc.	The mine was inspected for examination of the Review of Mining Plan.
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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	Southern part of the lease area.	Southern part of the lease area.	
4c	Number of dumps within lease area and outside of lease area	One within lease area	One within lease area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Southern part of lease area	Southern part of lease area	
4e	Number of active and alive dumps.	One	One	
4f	Number of dead dumps.	None	None	
4g	Number of dumps established.	None	None	
4h	Whether Retaining wall or garland drain all along dumps are there.	Garland drain along dumps proposed.	Garland drain has been prepared along dumps .	
4i	Length of Retaining wall or garland drain all along dumps	50 meter	50 meter	
4j	Number of settling ponds	Not proposed	Not applicable	

4k	Specific comments of inspecting officer on waste dump management	Small scale mining only one dump exists. The mine was inspected for examination of the Review of Mining Plan.
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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.	Area is not matured for backfilling.	Area is not matured for backfilling.	
5b	Area under backfilling of mined out area	Area is not matured for backfilling.	Area is not matured for backfilling.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Soil will be used for plantation.	Soil is being used for plantation.	
5d	Total area fully reclaimed and rehabilitated	Area is not matured for reclamation and rehabilitation	Not applicable	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Mining is being carried out on small scale level. The area is not matured for backfilling and reclamation. The mine was inspected for examination of the Review of Mining Plan.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	PMCP to be submitted on time	Not submitted	The mine has been suspended on 26.09.2018. The mine was inspected for examination of the Review of Mining Plan.
6b	Area available for rehabilitation (ha) .	Not proposed	Not applicable	
6c	afforestation done (ha).	100 saplings per year	30 saplings have been planted per year.	
6d	No. of saplings planted during the year	50 saplings proposed to be planted	30 saplings planted.	
6e	Cumulative no .of plants	250 saplings	150 saplings planted.	
6f	Any other method of rehabilitation	Not proposed	Not applicable	
6g	Cost incurred on watch and care during the year	Not proposed	Not applicable	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not proposed	Not applicable	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not proposed	Not applicable	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Not proposed	Not applicable	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed	Not applicable	

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not proposed	Not applicable	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Not proposed	Not applicable	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not proposed	Not applicable	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not proposed	Not applicable	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Not proposed	Not applicable	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Mine has been suspended on 26.09.2018. The mine was inspected for examination of the Review of Mining Plan.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Not proposed	Not applicable	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	Not proposed	Not applicable	

7d	Any beneficiation process at mines	Not proposed	Not applicable	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Mining operation has been suspended since 26.09.2018. The mine was inspected for examination of the Review of Mining Plan.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Yes, used for plantation.	
8b	Concurrent use or storage of topsoil	Used for plantation	Used for plantation	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes, proposed	It is being used for backfilling.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	Not applicable	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	250 saplings proposed to be planed in five years.	150 saplings have been planted.	

8g	Survival rate	40%	40%	
8h	Water sprinkling on roads to control airborne dust	Not proposed	Not applicable	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The mining is being carried out on small scale. There is no major issue of environment.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and Annual return are to be submitted in time.	Monthly return from April , 2017 and Annual return for the year 2016 -17 have not been submitted.	Mine has been suspended on 26.09.2018. The mine was inspected for examination of the Review of Mining Plan.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not proposed	Annual return has not been submitted.	Mine has been suspended on 26.09.2018.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Not proposed.	Not applicable	Mine has been suspended on 26.09.2018. The mine was inspected for examination of the Review of Mining Plan.
9d	Scrutiny of Annual return on afforestation	Return not submitted	Return not submitted	Mine has been suspended on 26.09.2018.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Annual return has not been submitted	Annual return has not been submitted	Mine has been suspended on 26.09.2018. The mine was inspected for examination of the Review of Mining Plan.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Annual return has not been submitted	Annual return has not been submitted	Mine has been suspended on 26.09.2018. The mine was inspected for examination of the Review of Mining Plan.

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Annual return has not been submitted	Annual return has not been submitted	Mine has been suspended on 26.09.2018. The mine was inspected for examination of the Review of Mining Plan.
9h	Scrutiny of Annual return on fixed assets	Annual return has not been submitted	Annual return has not been submitted	Mine has been suspended on 26.09.2018. The mine was inspected for examination of the Review of Mining Plan.
9k	Scrutiny of Annual return on mining machineries	Annual return has not been submitted	Annual return has not been submitted	Mine has been suspended on 26.09.2018. The mine was inspected for examination of the Review of Mining Plan.

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 :**(Baj V B)**

Indian Bureau of Mines