

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/BAR-26/SE-14

Mine code : 97RAJ04008

- (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
Official with
Designation
- (iv) Date of Inspection : 25-JUL-24
- (v) Prev.inspection date : 24-NOV-18

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BARIYARA(04/10)**
- (b) **Registration NO.** : **IBM/15389/2013**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : RAJASTHAN
- District : BARMER
- Village : BARIYARA
- Taluka : SHEO
- Post office :
- Pin Code :
- FAX No. :
- E-mail : vinod@haritsons.com
- Phone : 9829076622
- (f) Police Station : Shiv
- (g) First opening date : 14-JUN-15
- (h) Weekly day of rest : SUN
2. Address for : Bariyara Silicious Earth Mine, ML No 4/2010,
correspondance Village- Bariyara, Tehsil - Shiv,
Barmer- 344701 Rajasthan.
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 : JAIPUR MAGMATICS PVT LTD
 JAIPUR RAJASTHAN
 Phone:
 FAX :

Owner : Vinod Haritwal
 Sh. Vinod Haritwal,
 Nandnum- II, A-2, Tilak
 Marg, C- Scheme, Jaipur
 JAIPUR RAJASTHAN
 Phone: 9829076622
 FAX :

6. Date of approval of Mining : MP review under 17(1) MCR 2016 11-FEB-19
 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 proposal during the year 2023-24	NA	
1b	Exploration over lease area for geological axis 1 or 2	No proposal during the year 2023-24	NA	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal during the year 2023-24	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	105000.00 Tones	104966 T	
1f	General remarks of inspecting officers on geology, exploration etc			Deviation point out to lessee

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	The working was proposed from southern direction of the lease area and face developmental south to north direction at the location between 118 S-192 S and 08 W to 192 W.	as proposed	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate bench na of 1-2 meter in OB and 4 meter in mineral was proposed.		

2c	Stripping ratio or ore to OB ratio	1: 0.45	na	
2d	Quantity of topsoil generation in m3	na	na	
2e	Quantity of overburden generation in m3	2220 cu.m of OB was proposed to be handled during the year 2023-24	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	7240 tones of ROM proposed during the ye are 2023-24	nil	
3c	Recovery of sailable/usable mineral from ROM production	90%	na	
3d	Quantity of mineral reject generation	724 t	nil	
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	manual	manual
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	na	a
3j	Provision of drilling and blasting in mineral benches	na	na
3k	Provision of mining machineries in mineral benches	It was proposed to excavate minera l manually	nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bech height 1-2 m in OB and 4 m in Silicious ear th width 4m	Bech height 1-2 m in OB and 4 m in Silicious ear th width 4m
3m	Total area covered under excavation/pits	0.19 hect. At the start of plan period with 1.18 hect. additional requirement dur ing plan period up to March 2024.	0.19 hectare as no working during RY
3n	Ore to OB ratio for the pit/mine during the year.	1:0.45	nil, no operation during RY
3o	Total area put in use under different heads at the end of year	Area undermining 0.19 hect. + 1.18 hect., Area for waste dump & overburden: 0. 03 hect. + 0.05 hect., Area for mineral stor age: 0.01+0.1 hect.,	Area undermining 0.19 hect. + 1.18 hect., Area for waste dump & overburden: 0.03 hect. + 0.05 hect., Area for mineral storage: 0.01+0.1 hect.,

3p	Production of ROM mineral during the last five year period as applicable	2019-20: 7000T 2020-21: 7000T 2021-22: 7200T 2022-23: 7240T 2023-24: 7240T	2019-20: 950 T 2020-21: 2100 T 2021-22: 300 T 2022-23: 200 T 2023-24: 0
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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 utilize O/Breject simultaneously in back filling	as proposed	
4b	Location of topsoil, OB and mineral reject dumps	Not applicable	Not applicable	
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.	Full extraction as proposed of mineral from mined out area before start of backfilling		
5b	Area under backfilling of mined out area	1.37 ha	0.490 ha	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No top soil available in the lease area	nil	
5d	Total area fully reclaimed and rehabilitated	0.49 ha	0.49 ha	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			deviation point out to lessee

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) .	1.37 HEC	0.490 ha	

6c	afforestation done (ha).	It was proposed to plant 50 saplings in 0.02 hect. of area along statutory barrier	Total 50 saplings planted, but only 15 survived.
6d	No. of saplings planted during the year	50	50
6e	Cumulative no. of plants	-	18
6f	Any other method of rehabilitation	nil	nil
6g	Cost incurred on watch and care during the year	2500	2500
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D	0.490 ha	0.490 ha
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	na	na
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	na	na
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	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			deviation point out to lessee,mine have no operation during reporting year

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	6516 Tones during the year 2023-24	33.18 tones	
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 .	nil	nil	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	The present status of mineral conservation may be considered as satisfactory.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No top soil in the area	No top soil in the area	
8b	Concurrent use or storage of topsoil	na	na	
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	yes proposed	as per proposal	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	yes proposed	no backfilling during RY	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	50 saplings planted during the year	50 saplings planted during the year	
8g	Survival rate	60%	33%	
8h	Water sprinkling on roads to control airborne dust	yes	nil	

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	Submitted within time	Submitted within time	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager: ShriRakeshChou dhary, MiningEngineer : Shri Rakesh Choudhary	same as above . No geologist appointed	deviation pointed outt o lessee
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O-C) Workings: 0,disposal: 0.020 Hect Used for waste	Ask for correction	deviation point out to lessee
9d	Scrutiny of Annual return on afforestation	Number oftrees plantedduring the year: 20(WML), 30(OML) Survivalrate in percentage 70-80, Total no. of trees atthe end ofyear: 14(WML) and 24 (OML)	The survival rate is very poor it varies from10 to 35 %	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	0	0	
9f	Scrutiny of Annual return on ROM stock and/or graded ore		no prodcuton during year	

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine price : Rs. 370.35, Production cost: Rs. 350	Ex-mine price : Rs. 370.35, Production cost: Rs. 350	
9h	Scrutiny of Annual return on fixed assets	nil	nil	
9k	Scrutiny of Annual return on mining machineries	nil	nil	No working is going on

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