

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/BMR-30/SE-15

Mine code : 97RAJ04007

- (i) Name of the Inspecting : **P022**) **PANKAJ KULSHRESTHA**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri Jasvinder, Rep. of Lessee
Official with
Designation
- (iv) Date of Inspection : 17/10/2023
- (v) Prev.inspection date : 28/06/2021

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BARIYARA (03/10)**
- (b) **Registration NO.** : **IBM/15389**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address :
State : RAJASTHAN
District : BARMER
Village : BARIYARA
Taluka : SHEO
Post office : SHEO
Pin Code : 344701
FAX No. : 0141-2385161
E-mail : vinod@haritsons.com
Phone : 9829076622
- (f) Police Station : Shiv, Barmer
- (g) First opening date : 16/06/2014
- (h) Weekly day of rest : SUN
2. Address for : M/S Jaipur Magmatics Pvt. Ltd.
correspondance : Nandnum- II, A- 2, Tilak Marg,
C- Scheme, Jaipur - 302005 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 : JAIPUR MAGMATICS PVT.LTD.
 BARMER RAJASTHAN
 Phone:
 FAX :

Agent : Jasver sing Nathawat
 Nandnam-II, 2A Tilak Marg,
 C-Scheme Jaipur Rajasthan
 JAIPUR RAJASTHAN
 Phone:
 FAX : 0141-2385161

Mining Engineer

Name : RAKESH CHAUDHRY, Full Time
 Qualification : Forman Certificate & Second class certif
 Appointment/ : 26/02/2015
 Termination date

Mining Engineer

Name : Sri Rakesh Choudhary, Full Time
 Qualification : BE Mining
 Appointment/ : 26/02/2015
 Termination date

6. Date of approval of Mining : MP review under 17(1) MCR 2016 11/02/2019
 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 exploration proposed during the year 2022-23.	Not applicable	
1b	Exploration over lease area for geological axis 1 or 2	No proposal during the year 2022-23.	Not applicable	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No such proposal during the year 2022-23	Not applicable.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	1.21 hecets area to be explored to bring GEological axis in 1 or 2.	1.9 hecets. of area is under G1 and 1.39 hectares of area is under G-2 axis. Balance are is to be explored to bring Geological axis in 1 or 2.	
1e	Balance reserve as on 01/04/20	32076 T	37005 T of reserve (111) estimated as on 1.4.2023.	
1f	General remarks of inspecting officers on geology, exploration etc	NA	The overall status of geology and exploration may be considered as satisfactory.	

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Near boundary pillar	The mine is temporary discontinued since 25.11.2021 due to lack of demand.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Benches were proposed in soil, OB and Mineral.	Benches were formed	
2c	Stripping ratio or ore to OB ratio	1:1.79	Not reported, the mine is temporary discontinued since 25.11.2021 due to lack of demand.	

2d	Quantity of topsoil generation in m3	-	Nil
2e	Quantity of overburden generation in m3	5400 cum	Nil,The mine is temporary discontinued since 25.11.2021 due to lack of demand.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NA	The overall status of the development w.r.t of type of deposit may be considered as satisfactory.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit	No working	
3b	Quantity of ROM mineral production proposed	3564 T	Nil as no working done.	
3c	Recovery of sailable/usable mineral from ROM production	3208 T	Nil as no working done	
3d	Quantity of mineral reject generation	356 T	Nil as no working done during the year 2022-23.	
3e	Grade of mineral rejects generation and threshold value declared.	No grading proposed	Not applicable.	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	Not applicable	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	None	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Not applicable
3j	Provision of drilling and blasting in mineral benches	No such proposal	Not applicable.
3k	Provision of mining machineries in mineral benches	Yes	No mining carried out during the year 2022-23.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Not applicable as no mining done during the year 2022-23.
3m	Total area covered under excavation/pits	0.5 hect	0.4 hectare of area covered under pits.
3n	Ore to OB ratio for the pit/mine during the year.	1:1.79	Not applicable as no mining carried out during the year 2022-23.
3o	Total area put in use under different heads at the end of year	0.52 hectare of area under different heads.	0.4 hectare under mining, 0.24 hectare under Overburden/Waste Dumping, 0.01 hectare under Mineral Storage, and 0.06 under roads.
3p	Production of ROM mineral during the last five year period as applicable	Total 17802 T was proposed during five year period.	2018-19: 400 T 2019-20: 950 T 2020-21: 2100 T 2021-22: 300 T 2022-23 : 200 T
3q	General remarks of inspecting officers on method of mining etc.	NA	THE over all status of method of mining may be considered as satisfactory.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	5400 m3 soil/OB was proposed to be removed	No soil/OB removed.	

4b	Location of topsoil, OB and mineral reject dumps	As given on plan	no such generation of soil
4c	Number of dumps within lease area and outside of lease area	None	None
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	OB generation was proposed to be used in backfilling	OB was used in backfilling.
4e	Number of active and alive dumps.	None	None
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.	No retaining wall proposed	No retaining wall constructed however wire fencing around plantation has been done.
4i	Length of Retaining wall or garland drain all along dumps	No proposal	Not applicable
4j	Number of settling ponds	No such proposal	Not applicable
4k	Specific comments of inspecting officer on waste dump management	NA	OB generated was proposed to be used in backfilling & was backfilled.

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.	Proposal was given to backfill	No OB generated during the year 2022-23.	
5b	Area under backfilling of mined out area	1170 sqm area was proposed to be backfilled	No backfilling done during the year 2022-23.	

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Soil was proposed to be used	Not generated.
5d	Total area fully reclaimed and rehabilitated	0.56 hectares	0.12 hectare area may be considered as reclaimed.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NA	The overall status of backfilling and reclamation may be considered as satisfactory.

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 as per the rule	Yes	
6b	Area available for rehabilitation (ha) .	NA	The mine is temp discontinued since 25-11-2021.	
6c	afforestation done (ha).	NA	The mine is temp discontinued since 25-11-2021.	
6d	No. of saplings planted during the year	Nil	No plantatio done during the year 2022-23 as the mine is temp discontinued since 25-11-2021.	
6e	Cumulative no .of plants	NA	50 Nos.	
6f	Any other method of rehabilitation	NA	Not applicable	
6g	Cost incurred on watch and care during the year	NA	Nil as the mine is temp discontinued since 25-11-2021.	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NA	Nil as the mine is temp discontinued since 25-11-2021.	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	Nil as the mine is temp discontinued since 25-11-2021.
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	na	Nil as the mine is temp discontinued since 25-11-2021.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	Nil as the mine is temp discontinued since 25-11-2021.
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	NA	Nil as the mine is temp discontinued since 25-11-2021.
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	NA	Nil as the mine is temp discontinued since 25-11-2021.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	NA	Nil as the mine is temp discontinued since 25-11-2021.
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	NA	Nil as the mine is temp discontinued since 25-11-2021.
6p	Compliance of environmental monitoring (core zone and buffer zone)	NA	Nil as the mine is temp discontinued since 25-11-2021.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NA	My be considered as satisfactory.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NA	Nil, as the mine is temp discontinued since 25.11.2021	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Not applicable, as the mine is temp discontinued since 25.11.2021	
7c	Different grade of mineral sorted out at mines.	No grading of mineral	Mine is temp closed since 25.11.2021	
7d	Any beneficiation process at mines	No proposal	None	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Not applicable	The mine is temp.closed therefore no mineral conservation issue.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed	Nil	
8b	Concurrent use or storage of topsoil	Proposed to be used	Not generated.	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not proposed	Not generated.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	OB backfilled simultaneously	OB backfilled simultaneously
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Simultaneously backfilling	OB backfilled simultaneously before temp disconuance.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	50 nos proposed	15 WML and 30 OML planted during the year 2022-23.
8g	Survival rate	70%	70% WML and 89% OML achieved
8h	Water sprinkling on roads to control airborne dust	Yes	Mine temp. closed during the year 2022-23.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NA	The general aesthetic beauty in and around mine may be considered as satisfactory.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Yes	Yes, MR and AR submitted.	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager : Shri Rakesh Choudhary, Mining Engineer : Shri Shri Rakesh Choudhary	As above
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Nil information furnished under the head	
9d	Scrutiny of Annual return on afforestation	Number of trees planted during the year : 15 (wml), 30 (oml)	Total 11 trees with in ML and 23 trees outside ML observed.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No reject generation reported during hte year 2022-23.	No reject generation.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	No production reported during the year 2022-23. Openinig/ Closing stock of 939.910 Tonnes reported.	As above
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	No production or despatch from mine reported during the year 2022-23. However ex-min price reported as Rs.398.00.	No production or despatch during the year 2022-23.
9h	Scrutiny of Annual return on fixed assets	Nil value reported	as above .
9k	Scrutiny of Annual return on mining machineries	Nil machinery reported during the year 2022-23.	As above.

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 :

(PANKAJ KULSHRESTHA)

Indian Bureau of Mines