

**INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT 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 : **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(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 :
- FAX No. :
- E-mail : vinod@haritsons.com
- Phone : 9829076622
- (f) Police Station : Shiv, Barmer
- (g) First opening date : 16-JUN-14
- (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 :

Mining Engineer

Name : RAKESH CHAUDHRY, Full Time
Qualification : Forman Certificate & Second class certif
Appointment/ : 26-FEB-15
Termination date

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	na	na	
1b	Exploration over lease area for geological axis 1 or 2	na	na	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	na	na	
1d	Balance area to be explored to bring Geological axis in 1 or 2	nil	nil	
1e	Balance reserve as on 01/04/20	32076 t	32076 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	Near boundary pillar	Nil	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Benches were proposed in OB,Minerals	benches were formed	
2c	Stripping ratio or ore to OB ratio	1:1.79	nil	
2d	Quantity of topsoil generation in m3		nil	
2e	Quantity of overburden generation in m3	5400 cub mtr	nil	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	No production /working was done during RY .Deviation pointed to lessee
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	nil	deviation point out to lessee
3b	Quantity of ROM mineral production proposed	3564 T	nil	
3c	Recovery of sailable/usable mineral from ROM production	3208 T	nil	
3d	Quantity of mineral reject generation	356 T	nil	
3e	Grade of mineral rejects generation and threshold value declared.	No grading proposed	na	
3f	Quantity of sub grade mineral generation.	nil	nil	
3g	Grade of sub grade mineral generation	na	na	
3h	Manual / Mechanised method adopted for segregating from ROM	mechanised	nil	
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	no production during RY	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes	no working	
3m	Total area covered under excavation/pits	0.5 HECT	0.4 hect	
3n	Ore to OB ratio for the pit/mine during the year.	1:1.79	nil	
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	
3p	Production of ROM mineral during the last five year period as applicable	Total 17802 T was proposed during five year period.	2019-20: 950 T 2020-21: 2100 T 2021-22: 300 T 2022-23: 200 T 2023-24: 0 T	
3q	General remarks of inspecting officers on method of mining etc.			No working/production during RY

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	YES	No working during RY	
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)	OB generation was proposed to be used in backfilling	OB generation was proposed to be used in backfilling	
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			Waste was proposed for backfilling ,no working during RY .Deviation pointed out to lesee

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 2023-24	
5b	Area under backfilling of mined out area	1170 sqm area was proposedtub backfilled	nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Soil was proposed to be used	nil	

5d	Total area fully reclaimed and rehabilitated	.56 hectares	0.12-hectare	deviation point out to lesee
5e	General remarks of inspecting officers on backfilling and reclamation etc.			no working done during RY

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	
6c	afforestation done (ha).	NA	The mine is temp discontinued	
6d	No. of saplings planted during the year		NIL	
6e	Cumulative no .of plants		50	
6f	Any other method of rehabilitation		NIL	
6g	Cost incurred on watch and care during the year		The mine is temp discontinued	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D		The mine is temp discontinued	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings		The mine is temp discontinued	

6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on on backfilled area	nil	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	nil	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	nil	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	nil	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	nil	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Mines is temporary discontinued	deviation point out to lessee

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area		30.8 t	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	manual	nil	
7c	Different grade of mineral sorted out at mines.	No grading of mineral	nil	
7d	Any beneficiation process at mines .	no proposal	nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Mines is temporary discontinued ,deviation point put to lessee

Environment :

Sl.No.	Item	Proposals	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	NA	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	OB backfilled simultaneously	not generated during year	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Simultaneously not generated during year backfilling	
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 2023-24
8g	Survival rate	70 %	70% WML and 89% OML achieved
8h	Water sprinkling on roads to control airborne dust	proposed	being done
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		nil

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. submitted up to June 2024 A.R. Submitted for 2023-24.	submitted within time	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager: Shri Rakesh Choudhary, Mining Engineer: : Shri Shri Rakesh Choudhary	Manager: Shri Rakesh Choudhary, Mining Engineer: Shri Shri Rakesh Choudhary No geologist being appointed	deviation point out to lessee
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Nil information furnished under the head	Nil information furnished under the head	deviation point out to lessee

9d	Scrutiny of Annual return on afforestation	Number of trees planted during theyear : 15(wml), 30(oml)	Total 11 trees with inML and 23 trees outsideML observed.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No reject generation reportedduring year 2023-24	no working during RY
9f	Scrutiny of Annual return on ROM stock and/or graded ore	-	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost		deviation point out to lessee
9h	Scrutiny of Annual return on fixed assets	not given	deviaiton point out to lessee
9k	Scrutiny of Annual return on mining machineries	not given	no working during RY

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