

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : Raj./Bar-37/SE-18

Mine code : 97RAJ04011

- (i) Name of the Inspecting : **P022**) **PANKAJ KULSHRESTHA**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Sh Jasbir Singh, Rep. of Lessee
Official with
Designation
- (iv) Date of Inspection : 18/10/2023
- (v) Prev.inspection date : 26/11/2018

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BARIYARA(05/10)**
- (b) **Registration NO.** : **IBM/15390/2013**
- (c) Category : A Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : RAJASTHAN
District : BARMER
Village : BARIYARA
Taluka : SHEO
Post office : SHIVE
Pin Code :
FAX No. :
E-mail : vinod@haritsons.com
Phone : 9829076622
- (f) Police Station : Shiv
- (g) First opening date : 24/04/2014
- (h) Weekly day of rest : SUN
2. Address for : M/S HARITSONS MINITECH PVT LTD,
correspondance : Village- Bariyara, Tehsil- Shiv,
District- Barmer - 344701, Rajasthan
3. (a) Lease Number : RAJ5214
- (b) Lease area : 4.5
- (c) Period of lease : 50
- (d) Date of Expiry : 23/04/2064
4. Mineral worked : SILICEOUS EARTH Main

5. Name and Address of the

Lessee : HARITSONS MINITECH PVT LTD
NANDANM-II, A-2, TILAK
MARG, C-SCHEME 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	:	Fresh under rule 22 MCR1960	20/12/2013
Plan/Scheme of Mining	:	MP review under 17(1) MCR 2016	11/02/2019

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	NA	Not applicable	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	Not applicable as no exploration proposed in the year 2022-23.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NA	Not applicable as no exploration proposed in the year 2022-23.	
1e	Balance reserve as on 01/04/20	46888 t under proved mineral reserves (111) and 30275 t under Probable mineral reserve (121/122)	As above	
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	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Near Pillar "A" at 100W	As above	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes, separate benches proposed in overburden and mineral	As above	
2c	Stripping ratio or ore to OB ratio	1:0.981	As above	

2d	Quantity of topsoil generation in m3	No such proposal	Not applicable
2e	Quantity of overburden generation in m3	2350 cu.m.	No overburden generation reported during the year 2022-23.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NA	The present status of development of pit w.r.t 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	There is only one working pit in the mines	
3b	Quantity of ROM mineral production proposed	3000 t during the year 2022-23	200 t ROM reported during teh year 2022-23.	
3c	Recovery of sailable/usable mineral from ROM production	90% recovery was proposed.	100% recovery.	
3d	Quantity of mineral reject generation	300 cu.m. of mineral reject was expected during the year 2022-23.	No reject generation reported during teh eyar 2022-23.	
3e	Grade of mineral rejects generation and threshold value declared.	NA	No grading,	
3f	Quantity of sub grade mineral generation.	No sub grade generation proposed	Not applicable	
3g	Grade of sub grade mineral generation	No such proposal	Not applicable	
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.	No such 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	No such provision	No machinery deployed for the purpose wining mineral.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, 1m to 3 m height proposed in overburden as well as mineral.	As above	
3m	Total area covered under excavation/pits	0.644 Hects.	0.1215 hectcs. area covered under pit.	Part of pit is on boundary line it needs verification
3n	Ore to OB ratio for the pit/mine during the year.	1:0.981	As above	
3o	Total area put in use under different heads at the end of year	O/C pits : 0.644 ha. Mineral Stack : 0.30 ha. O/b Dump : 0.07 ha Roads : 0.14 ha	O/C pits : 0.1215 Hect. Mineral Stack : 986 sq.m. O/b Dump : 730 sq.m. Roads : 970 sq.m.	
3p	Production of ROM mineral during the last five year period as applicable	2018-19 : 2700 t 2019-20 : 2970t 2020-21 : 2970 t 2021-22 : 2985 t 2022-23 : 3000 t	2018-19 : 0 t 2019-20 : 0 t 2020-21 : 0 t 2021-22 : 0 t 2022-23 : 200 t	
3q	General remarks of inspecting officers on method of mining etc.	NA	The overall status on method of mining may be considered as satisfactory.	

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Simultaneous backfilling proposed	O/b dumped separately near pit, however it is temporary in nature.	
4b	Location of topsoil, OB and mineral reject dumps	Simultaneous back filling proposed	Temp. O/b dump near southern part of existing pit	
4c	Number of dumps within lease area and outside of lease area	No such proposal	One temporary dump of overburden exists .	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA, as no permanent dump proposed.	Not applicable	
4e	Number of active and alive dumps.	No waste dump	One temporary o/b dump near pit as simultaneous back filling is to be practised.	
4f	Number of dead dumps.	None	Not applicable	
4g	Number of dumps established.	NA	Not applicable	
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	No such proposal	Not applicable	
4k	Specific comments of inspecting officer on waste dump management	NA	The overall status of waste management may be considered as satisfactory as the waste/reject is proposed to be utilised in backfilling.	

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Full extraction of mineral	As above
5b	Area under backfilling of mined out area	1779 sq.m.	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Yes	As above
5d	Total area fully reclaimed and rehabilitated	1779 sq.m.	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NA	The present 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	Yes	
6b	Area available for rehabilitation (ha) .	No such proposal	Not applicable	
6c	afforestation done (ha).	0.1 hectare of area	0.02 hectare of area has been covered under afforestation program	
6d	No. of saplings planted during the year	50 saplings	Planted 50 saplings within the lease area and 50 saplings outside the ML area	
6e	Cumulative no .of plants	150 saplings	Total 25 saplngs survived in the lease area.	
6f	Any other method of rehabilitation	NA	Not applicable	

6g	Cost incurred on watch and care during the year	Rs. 2500 durng the year 2022-23.	As above
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	0.5566 ha. void for backfilling during the year 2022-23.	700 sq.m. available for backfilling
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	1249 sqm	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No such proposal	Not applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No such proposal	Not applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No such proposal	Not applicable
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No such proposal	Not applicable
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	50 plants in 0.02 hect. along statutory barrier.	As above, dur due to acute shortage of water only a few of them survived.

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No such proposal	Not applicable
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Yes, as above
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NA	The overall status of PMCP compliance and progressive closure operations may be considered as satisfactory.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	3000 t of ROM during the year 2022-23	200 t ROM produced during the year 2022-23.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No such proposal	Not applicable	
7c	Different grade of mineral sorted out at mines.	No such proposal	Not applicable	
7d	Any beneficiation process at mines	No such proposal	Not applicable	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NA	The present status of Mineral conservation may be considered as satisfactory.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	No such proposal	Not applicable
8b	Concurrent use or storage of topsoil	NA	As above
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No such proposal	One temp.Overburden/waste exists in the lease area which will be utilised in simultaneous backfilling.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes	Yes ,
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes	No such activity commenced during the year 2022-23.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	NA	25 saplings within mining lease area and 15 out side lease area.
8g	Survival rate	50 % within the lease area	Due to acute shortage of water and tough climatic conditions survival is very poor.
8h	Water sprinkling on roads to control airborne dust	No such proposal	Not applicable
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NA	The present status on aesthetic beauty in and around mines area may be considered as satisfactory.

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Yes, as per rule	Yes	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager : Shri Rakesh, Mining Engineer : Shri Rakesh, Geologist : None	As above	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Zero information furnished in the AR for the year 2022-23.	As above	
9d	Scrutiny of Annual return on afforestation	Number of trees planted during the year : 50 (WML) 50 (OML)	As above but survival is very poor.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No reject generation reported during the year 2022-23.	As above	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM produced during the year 200 t.	As above	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine price : Rs. 388.00, Cost of production per tonne : Rs. 398.00	As above.	
9h	Scrutiny of Annual return on fixed assets	No information furnished.	As above	
9k	Scrutiny of Annual return on mining machineries	No machinery reported.	As above.	

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
MCDR17	Rule 11(1)	09/05/2024			
MCDR17	Rule 55(1)(3)	09/05/2024			

Date :

(PANKAJ KULSHRESTHA)

Indian Bureau of Mines