

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/AJM-264/GAR-1

Mine code : 74RAJ01001

- (i) Name of the Inspecting : **S012**) **Sharma H.C.**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sh. Rajendra Chaudhry, lessee himself
Official with
Designation
- (iv) Date of Inspection : 27-JAN-20
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SARWAR(14/98)**
- (b) **Registration NO.** : **IBM/11415/2012**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : RAJASTHAN
District : AJMER
Village : SARWAR
Taluka : SARWAR
Post office :
Pin Code :
FAX No. :
E-mail : Choudhary.rk14@gmail.com
Phone : 9414554091
- (f) Police Station :
- (g) First opening date : 27-JAN-01
- (h) Weekly day of rest : SUN
2. Address for : S/O late Sh. Mohan Lal Choudhary,
correspondance : Manak Chowk, Brahmpuri Mohalla,
Sarwar, Distt- Ajmer. - 305403
3. (a) Lease Number :
(b) Lease area :
(c) Period of lease :
(d) Date of Expiry :
4. Mineral worked : GARNET(GEM) Main

5. Name and Address of the

Lessee : RAJENDRA KUMAR CHAUDHARY
Manak Chowk, Brahmpuri,
Sarwar Distt. Ajmer AJMER
RAJASTHAN
Phone:9414554091, 9214356088
FAX :None

Owner : Rajendra Kumar Chaudhary
Manak Chowk, Brahmpuri,
Sarwar Distt. Ajmer AJMER
RAJASTHAN
Phone: 9414554091, 921
FAX : None

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	One core drill boreholes to a depth of 10- 15m each had been proposed each year from 2017-18 to 2019-20.	No proposed exploration for 2017-18, 2018-19 & 2019-20 carried out so far in the lease area	
1b	Exploration over lease area for geological axis 1 or 2	About 1.0 ha only	Proposed exploration had not been carried out.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Lessee himself, expenditure not estimated.	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No specified proposal	0.5 hecets required to be covered under G1 level exploration.	
1e	Balance reserve as on 01/04/20	10.518 T in proved 111 category as on 10/2/2017.	No M/R & A/R Submitted to up date the reserves.	
1f	General remarks of inspecting officers on geology, exploration etc	Not applicable	No proposed exploration for 2017-18, 2018-19 & 2019-20 carried out so far in the lease area	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	In South East side of lease area.	As proposed.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes separate bench in O/B waste & mineral proposed.	Separate bench in O/B waste & mineral provided.	
2c	Stripping ratio or ore to OB ratio	3 : 1	3 : 1	

2d	Quantity of topsoil generation in m3	367 Cu m	Not reported
2e	Quantity of overburden generation in m3	5498 Cu m	Not reported
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Not applicable	The mine worked irregularly.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit for garnet & another pit for quartz.	As proposed.	
3b	Quantity of ROM mineral production proposed	1.6497 T garnet during 2018-19	About 15 Kgm of garnet	
3c	Recovery of sailable/usable mineral from ROM production	0.01 % for garnet	Not reported	
3d	Quantity of mineral reject generation	Total waste - 5498 T	Not reported	
3e	Grade of mineral rejects generation and threshold value declared.	No specified proposal	Not applicable	
3f	Quantity of sub grade mineral generation.	No specified proposal	Not applicable	
3g	Grade of sub grade mineral generation	Not applicable	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 proposal	Not applicable
3j	Provision of drilling and blasting in mineral benches	No drilling & blasting proposed.	Being done as proposed.
3k	Provision of mining machineries in mineral benches	No mining m/c proposed to be used.	Being done as proposed.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, bench height of 3 mts in O/B waste & in mineral.	Yes, bench height of 3 m is suitable to the method of mining.
3m	Total area covered under excavation/pits	0.54 hect.	About 0.51hect.
3n	Ore to OB ratio for the pit/mine during the year.	3 : 1	3 : 1
3o	Total area put in use under different heads at the end of year	1.25846 ha	1.1567 ha
3p	Production of ROM mineral during the last five year period as applicable	2014-15- 0.5826 T, 2015-16- 0.5880 T, 2016-17- 0.6549T, 2017- 18- 1.647 T, 2018-19- 1.649T	2014-15- Nil, 2015-16- 0.075 T, 2016-17- Nil, 2017-18- Nil, 2018-19- 0.015 T
3q	General remarks of inspecting officers on method of mining etc.	Not applicable	The opencast method has been adopted for carrying out mining operations.

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes, separate dumping of O/B waste proposed.	Yes, separate dumping of O/B waste carried out.
4b	Location of topsoil, OB and mineral reject dumps	Within lease area in NW side of pit.	Being done as proposed.
4c	Number of dumps within lease area and outside of lease area	Five within lease	Five within lease
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL
4e	Number of active and alive dumps.	Five	Five
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.	Retaining wall along toe of dump proposed.	The dump area has been fenced & garland drain provided.
4i	Length of Retaining wall or garland drain all along dumps	No specified proposal made	Not applicable
4j	Number of settling ponds	None	Not applicable
4k	Specific comments of inspecting officer on waste dump management	Not applicable	The waste dumping as per proposal.

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.	No proposal	No area become matured for backfilling.	

5b	Area under backfilling of mined out area	No proposal	Not applicable
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	The top soil generated has been used for plantation simultaneously .	The top soil generated has been used for plantation simultaneously.
5d	Total area fully reclaimed and rehabilitated	No proposal	Not applicable
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Not applicable	No area become matured for backfilling.

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 rule	Not submitted	
6b	Area available for rehabilitation (ha) .	NIL	NIL	
6c	afforestation done (ha).	0.125 ha	0.12 ha	
6d	No. of saplings planted during the year	50 nos	50 nos	
6e	Cumulative no .of plants	250 nos	About 140 as on date	
6f	Any other method of rehabilitation	N/A	N/A	
6g	Cost incurred on watch and care during the year	Rs 10000/-	Not reported	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NIL	Not applicable	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NIL	Not applicable
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	NIL	Not applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Not applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal	Not applicable
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	NIL	Not applicable
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	NIL	Not applicable
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	NIL	Not applicable
6p	Compliance of environmental monitoring (core zone and buffer zone)	As per EC & CTO conditions	As per EC & CTO conditions

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Not applicable	low survival rate of plants due to intermittent workings.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	1.649 T	0.015 T	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	No proposal	Single grade	
7d	Any beneficiation process at mines	No proposal	Not applicable	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Not applicable	No issue regarding mineral conservation.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	367 Cu M	Not reported	
8b	Concurrent use or storage of topsoil	For plantation	For plantation	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump of O/B waste/reject proposed.	Being done as proposed.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Not applicable
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Not applicable
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	50 nos of trees proposed to be planted per year	50 planted during year 2018-19.
8g	Survival rate	70 %	70 %
8h	Water sprinkling on roads to control airborne dust	Yes	Yes
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Not applicable	The general aesthetic beauty in & around the mine was satisfactory.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Not applicable	M.R Submitted up to June 2018. A.R. Submitted up to 2017-18 & A.R. for the year 2018-19 has not been submitted.	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	A.R. for the year 2018-19 not submitted.	Not applicable
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	A.R. for the year 2018-19 not submitted.	Not applicable
9d	Scrutiny of Annual return on afforestation	A.R. for the year 2018-19 not submitted.	Not applicable
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	A.R. for the year 2018-19 not submitted.	Not applicable
9f	Scrutiny of Annual return on ROM stock and/or graded ore	A.R. for the year 2018-19 not submitted.	Not applicable
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	A.R. for the year 2018-19 not submitted.	Not applicable
9h	Scrutiny of Annual return on fixed assets	A.R. for the year 2018-19 not submitted.	Not applicable
9k	Scrutiny of Annual return on mining machineries	A.R. for the year 2018-19 not submitted.	Not applicable

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 :

(Sharma H.C.)

Indian Bureau of Mines