

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/RJS/GARNET-001

Mine code : 26RAJ27001

- (i) Name of the Inspecting : **S012**) **Sharma H.C.**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sh. Nitish Agrwal & Sh. S. K. Soni, QP
Official with
Designation
- (iv) Date of Inspection : 25-MAY-19
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **MAD (626/2011)**
- (b) **Registration NO.** : **IBM/17121**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : RAJASTHAN
District : RAJSAMAND
Village : Mad
Taluka : Deogarh
Post office : Dala Ka Khera
Pin Code : 313332
FAX No. :
E-mail : kaverimine@gmail.com
Phone : 9414148401
- (f) Police Station : Devgarh
- (g) First opening date : 17-JAN-14
- (h) Weekly day of rest : SUN
2. Address for : MAMADEV MINES & MINERALS
correspondance : Village Dala Ka Khera, Tehsil- Devgarh.
District- Rajsamand, Rajasthan
3. (a) Lease Number :
(b) Lease area :
(c) Period of lease :
(d) Date of Expiry :
4. Mineral worked : GARNET Main

5. Name and Address of the

Lessee : MAMADEV MINES & MINERALS
RAJSAMAND RAJASTHAN
Phone:
FAX :

Owner : Shree Mamdev Mines & Minerals
Village - Dala Ka Khera,
Tehsil- Deogarh, District-
Rajsamand. RAJSAMAND
RAJASTHAN
Phone:
FAX :

Agent : Gopal Salvi
Sh. Gopal Salvi, Village-
Dala Ka Khera, Tahsil-
Devgarh, District-
Rajsamand RAJSAMAND
RAJASTHAN
Phone:
FAX :

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	Seven prospecting pits were proposed to be dug during earlier plan period.	Two pits were dug & later converted into working pit.	
1b	Exploration over lease area for geological axis 1 or 2	Not specified	Not applicable	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not specified	Not applicable	
1e	Balance reserve as on 01/04/20	80155 t as per draft mining plan submitted for approval in proved 111 category.	80155 t as per draft mining plan submitted for approval in proved 111 category.	
1f	General remarks of inspecting officers on geology, exploration etc	Not applicable	The mining operations were made at very low scale of production & no exploration were carried out except two pits which were later converted in to working pit.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	The mining of mineral was proposed from 341 to 332mRL.	The small pit was developed at proposed location.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No top soil is present in the area, separate removal of O/B waste made.	No top soil is present in the area, separate removal of O/B waste made.	

2c	Stripping ratio or ore to OB ratio	1 : 6.198 for Garnet & 1 : 1.828 for Quartz & Feldspar.	No record was made available to determine the stripping ratio.
2d	Quantity of topsoil generation in m3	Nil	Nil
2e	Quantity of overburden generation in m3	54846 Cu M during earlier Plan Period expiring in March 2019.	135 T during earlier plan period.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Not applicable	Mining activities were discontinued & could not be done as per the proposals made in earlier approved plan period.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single pit for Garnet from 341 mRL in descending order.	Single Pit.	
3b	Quantity of ROM mineral production proposed	3546 T of Garnet during 2018-19.	Nil during 2018-19.	
3c	Recovery of sailable/usable mineral from ROM production	Not applicable as production was Nil during 2018-19.	Not applicable as production was Nil during 2018-19.	
3d	Quantity of mineral reject generation	Nil during 2018-19.	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Nil during 2018-19.	Nil during 2018-19.	
3f	Quantity of sub grade mineral generation.	Nil during 2018-19.	Nil during 2018-19.	
3g	Grade of sub grade mineral generation	Nil during 2018-19.	Nil during 2018-19.	

3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Not applicable as Production was Nil.
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 work during 2018-19.	Not applicable
3k	Provision of mining machineries in mineral benches	No work during 2018-19.	Not applicable
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes
3m	Total area covered under excavation/pits	1.8026 ha	0.05 ha
3n	Ore to OB ratio for the pit/mine during the year.	Not applicable as no work during 2018- 19.	Not applicable as no work during 2018-19.
3o	Total area put in use under different heads at the end of year	1.8026 ha under excavation, Road 0.2 ha.	0.05 ha under excavation, 0.005 ha waste dumping & 0.05 ha for road construction.
3p	Production of ROM mineral during the last five year period as applicable	2014-15-- 1747 T, 2015-16-- 2082 T, 2016- 17-- 1143 T, 2017-18-- 1854 T & 2018-19-- 2838 T	2014-15-- Nil, 2015-16-- Nil, 2016-17-- Nil, 2017-18-- Nil & 2018-19-- - Nil.
3q	General remarks of inspecting officers on method of mining etc.	Not applicable	The very small scale mining operations had been carried out in the area using opencast manual method.

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No top soil present, O/B removed separately, no reject generation.	No top soil present, O/B removed separately, no reject generation.	
4b	Location of topsoil, OB and mineral reject dumps	No top soil dump, O/B waste proposed to be dumped on barren land. No reject dumping.	No top soil dump, O/B waste dumped over 50 Sq M area near pit. No reject dumping.	
4c	Number of dumps within lease area and outside of lease area	Single within lease area	Single within lease area.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Out side UPL	Within UPL	
4e	Number of active and alive dumps.	Single	Single	
4f	Number of dead dumps.	None	Nil	
4g	Number of dumps established.	None	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	70 m long retaining wall proposed to be made.	Not provided.	
4i	Length of Retaining wall or garland drain all along dumps	70 m long retaining wall proposed to be made.	Not provided.	
4j	Number of settling ponds	No proposal	Not applicable	
4k	Specific comments of inspecting officer on waste dump management	Not applicable	The very small scale mining operations carried out, requiring no major thrust on waste dump management.	

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	The working are at initial level.
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)	No top soil present, hence no concurrent use possible	Not applicable
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 is matured for reclamation.

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).	50 plants proposed to be planted over 0.1 ha area.	Mine was closed. No plantation carried out.	
6d	No. of saplings planted during the year	15 plants during 2018-19	Nil during 2018-19	
6e	Cumulative no .of plants	No information provided.	Not applicable	
6f	Any other method of rehabilitation	No proposal	Not applicable	

6g	Cost incurred on watch and care during the year	No proposal	Not applicable
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	Not applicable
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Not applicable
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal	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	No proposal	Not applicable
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	Not applicable

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	Not applicable
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes regular monitoring as per consent condition.	The mine was closed.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Not applicable	The workings are at initial stage & were closed during the year 2018-19.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	2838 T of abrasive Garnet.	None during the year 2018-19.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Not applicable as no mineral dispatched during the year 2018-19.	
7c	Different grade of mineral sorted out at mines.	Single	Not applicable	
7d	Any beneficiation process at mines	No proposal	Not applicable	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Not applicable	There is no issue of mineral conservation.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	There is no top soil.	There is no top soil.
8b	Concurrent use or storage of topsoil	There is no top soil.	Not applicable
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Seperate dump for O/B Waste.	No reject & Fines generation observed.
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)	Not specified	Not applicable
8g	Survival rate	No proposal	Not applicable
8h	Water sprinkling on roads to control airborne dust	No proposal	Not applicable
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Not applicable	The general aesthetic beauty in & around mine is not affected by the small scale mining operations carried out with in leasehold area.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Not applicable	No Monthly or annual return has been submitted so far.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details not furnished as no A/R Submitted.	Details not furnished as no A/R Submitted.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details not furnished as no A/R Submitted.	Details not furnished as no A/R Submitted.
9d	Scrutiny of Annual return on afforestation	Details not furnished as no A/R Submitted.	Details not furnished as no A/R Submitted.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Details not furnished as no A/R Submitted.	Details not furnished as no A/R Submitted.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Details not furnished as no A/R Submitted.	Details not furnished as no A/R Submitted.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Details not furnished as no A/R Submitted.	Details not furnished as no A/R Submitted.
9h	Scrutiny of Annual return on fixed assets	Details not furnished as no A/R Submitted.	Details not furnished as no A/R Submitted.
9k	Scrutiny of Annual return on mining machineries	Details not furnished as no A/R Submitted.	Details not furnished as no A/R Submitted.

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