

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : Raj./Blw.-51/Garnet-15

Mine code : 26RAJ06019

- (i) Name of the Inspecting : **T001**) **Tardia K.K.**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Virender singh , Repr. of Lessee
Official with
Designation
- (iv) Date of Inspection : 11-MAR-17
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KOCHARIYA 432/07**
- (b) **Registration NO.** :
- (c) Category : A Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : RAJASTHAN
District : BHILWARA
Village : KOCHARIYA
Taluka : BHILWARA
Post office : BHILWARA
Pin Code : 311001
FAX No. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date : 27-NOV-13
- (h) Weekly day of rest : SUN
2. Address for :
correspondance
3. (a) Lease Number :
(b) Lease area :
(c) Period of lease :
(d) Date of Expiry :
4. Mineral worked : QUARTZ Associated
GARNET Main

5. Name and Address of the

Lessee : UMADSINGH RANAWAT
Vill- Basda, Post.- Gundali
Teh. & Dist.- Bhilwara
BHILWARA RAJASTHAN
Phone:
FAX :

Owner : UMADSINGH RANAWAT
Vill- Basda, Post.- Gundali
Teh. & Dist.- Bhilwara
BHILWARA RAJASTHAN
Phone:
FAX :

Agent : UMADSINGH RANAWAT
Vill- Basda, Post.- Gundali
Teh. & Dist.- Bhilwara
BHILWARA RAJASTHAN
Phone:
FAX :

6. Date of approval of Mining : MP modif under 17(3) MCR 2016 26-SEP-16
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	5 trenches are proposed	Done as pere proposal.	
1b	Exploration over lease area for geological axis 1 or 2	not proposed	na	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	not proposed	na	
1d	Balance area to be explored to bring Geological axis in 1 or 2	not proposed	na	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.
1e	Balance reserve as on 01/04/20	15973 t	15973t	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.
1f	General remarks of inspecting officers on geology, exploration etc		Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	NW side of the pit.	NW side of the pit.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	NO ob and top soil .	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.

2c	Stripping ratio or ore to OB ratio	1:10.29	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.
2d	Quantity of topsoil generation in m3	na	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.
2e	Quantity of overburden generation in m3	Not proposed	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	3m *3m bench has been proposed.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.
3b	Quantity of ROM mineral production proposed	8580 tonne	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.
3c	Recovery of sailable/usable mineral from ROM production	10%	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.
3d	Quantity of mineral reject generation	8151 Tonne	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.

3e	Grade of mineral rejects generation and threshold value declared.	not proposed	Mines working is temp. discontinued from sept. 2016 due to awaiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awaiting EC and consent to operate.
3f	Quantity of sub grade mineral generation.	not proposed	Mines working is temp. discontinued from sept. 2016 due to awaiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awaiting EC and consent to operate.
3g	Grade of sub grade mineral generation	not proposed	Mines working is temp. discontinued from sept. 2016 due to awaiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awaiting EC and consent to operate.
3h	Manual / Mechanised method adopted for segregating from ROM	mannual	Mines working is temp. discontinued from sept. 2016 due to awaiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awaiting EC and consent to operate.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	not proposd	Mines working is temp. discontinued from sept. 2016 due to awaiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awaiting EC and consent to operate.
3j	Provision of drilling and blasting in mineral benches	no proposeal in garnet mining.	Mines working is temp. discontinued from sept. 2016 due to awaiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awaiting EC and consent to operate.
3k	Provision of mining machineries in mineral benches	JCB proposed for loading of mineral and waste.	Mines working is temp. discontinued from sept. 2016 due to awaiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awaiting EC and consent to operate.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3m*3m benches proposed in garnet deposit.	Mines working is temp. discontinued from sept. 2016 due to awaiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awaiting EC and consent to operate.
3m	Total area covered under excavation/pits	0.37 hect.	Mines working is temp. discontinued from sept. 2016 due to awaiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awaiting EC and consent to operate.

3n	Ore to OB ratio for the pit/mine during the year.	1:10.29	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.
3o	Total area put in use under different heads at the end of year	Pit-.0.32 hect. Waste/reject 0.36 hect Others-0.06 hect	Pit- Waste/reject Others-	Pit- Waste/reject Others-
3p	Production of ROM mineral during the last five year period as applicable	2015-16=8580 Tonne ROM	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.
3q	General remarks of inspecting officers on method of mining etc.		Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	OB /waaste dumping is proposed on grid between 292N-370 to 12 W- 17W. No top soil is there.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.
4b	Location of topsoil, OB and mineral reject dumps	OB /waaste dumping is proposed on grid between 292N-370 to 12 W- 17W.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Beyond the UPL.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.
4e	Number of active 1 and alive dumps.		Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.

4f	Number of dead dumps.	1	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.
4g	Number of dumps established.	1	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.
4h	Whether Retaining wall or garland drain all along dumps are there.	not specified.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.
4i	Length of Retaining wall or garland drain all along dumps	not specified	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.
4j	Number of settling ponds	not proposed.	na	na
4k	Specific comments of inspecting officer on waste dump management		Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.

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.	not proposed	na	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.
5b	Area under backfilling of mined out area	Not proposed.na	na	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	no proposal	na	
5d	Total area fully reclaimed and rehabilitated	no proposal	na	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.

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).	Submitted.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.
6b	Area available for rehabilitation (ha) .	0.26 hect.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	
6c	afforestation done (ha).	50 sapling per year	50 sapling	
6d	No. of saplings planted during the year	50 sapling per year	50 sapling per year	
6e	Cumulative no .of plants	50 sapling per year	50 sapling per year	
6f	Any other method of rehabilitation	no proposed	na	na
6g	Cost incurred on watch and care during the year	10000 rs.	5000 rs	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not proposed.	na	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not proposed.	na
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Not proposed.	na
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed.	na
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Not proposed.	na
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Not proposed.	na
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Not proposed.	na
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	plantation	plantation
6p	Compliance of environmental monitoring (core zone and buffer zone)	yearly	yearly

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.
			Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.
			Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Garnet recovery is proposed 429 tonne and waste 8151 tonne.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	mannual	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	
7c	Differnet grade of mineral sorted out at mines.	not specified	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	
7d	Any beneficiation process at mines .	not proposed	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	top soil not available.	NA	
8b	Concurrent use or storage of topsoil	no available	na	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	seprate waste dump is proposed.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	not proposed.	na	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	no specified	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	50 sapling per year.	50 sapling per year.	
8g	Survival rate	60%	50%	

8h	Water sprinkling proposed on roads to control airborne dust	50 sapling per year.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted upto - Feb 2017 A.R. submitted upto- FY-2015-2016	M.R. Submitted upto - Feb 2017 A.R. submitted upto- FY-2015-2016	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		given	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.
9d	Scrutiny of Annual return on afforestation	50 sapling per year	50 sapling per year	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)		Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore		Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.	

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	na	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.
9h	Scrutiny of Annual return on fixed assets	na	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.
9k	Scrutiny of Annual return on mining machineries	given	Mines working is temp. discontinued from sept. 2016 due to awiting EC and consent to operate.

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 :

(Tardia K.K.)

Indian Bureau of Mines