

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

**MCDR INSPECTION REPORT**

**Ajmer regional office**

**Mine file No :** RAJ/BLW-220/GT-13

**Mine code :** 26RAJ06016

- (i) Name of the Inspecting : **T001** ) **Tardia K.K.**  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Shri A.K.Dasot, Lessee  
Official with  
Designation
- (iv) Date of Inspection : 11-MAR-17
- (v) Prev.inspection date : 14-MAR-15

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **KODUKOTA**
- (b) **Registration NO.** :
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : RAJASTHAN
- District : BHILWARA
- Village : KODUKOTA
- Taluka : SUWANA
- Post office : KODUKOTA
- Pin Code : 311001
- FAX No. : 01482-251109
- E-mail : anildasot@rediffmail.com, :
- Phone : 01482-270057, 242845, 9414:
- (f) **Police Station** : BHILWARA
- (g) **First opening date** : 21-MAY-01
- (h) **Weekly day of rest** : SUN
2. **Address for** : 5, SURANA BHAVAN,  
**correspondance** SHASTRI NAGAR, BHILWARA
3. (a) **Lease Number** : RAJ1956
- (b) **Lease area** : 5
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 13-MAY-21
4. **Mineral worked** : GARNET Main

## 5. Name and Address of the

Lessee : AKD GEM GARNET MINES  
 F-203  
 NEAR MAHAPRAGYA CIRCLE,  
 AZAD NAGAR, BHILWARA  
 BHILWARA RAJASTHAN  
 Phone:01482-242845,9414115557  
 FAX :

Owner : AKD GEM GARNET MINES  
 F-203  
 N, NEAR MAHAPRAGYA CIRCLE,  
 AZAD NAGAR BHILWARA  
 BHILWARA RAJASTHAN  
 Phone: 01482-242845(O)  
 FAX :

## Manager

Name : MANGI LAL SHARMA  
 Qualification : Foreman's certificate holder  
 Appointment/ : 02-DEC-04  
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	09-JAN-01
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	28-JUL-06
		FMCP under 23C(1)	29-JAN-08
		Modif.of approved Mining Plan	16-AUG-10
		MP modif under MCR 1960	04-APR-16

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Not proposed	Na	
1b	Exploration over lease area for geological axis 1 or 2	two trenches proposed	done as per proposal.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified	na	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not proposed.	na	
1e	Balance reserve as on 01/04/20	40307 tonne	39582 tonne	
1f	General remarks of inspecting officers on geology, exploration etc		As per proposal	As per proposal

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	location between 42 N-190N and 7.5E to 90E	As per proposal	As per proposal
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in overburden and mineral has been proposed.	Separate benches in overburden and mineral has been formed but sufficient advancement is not kept.	Violation of rule 11(2) has been pointed out
2c	Stripping ratio or ore to OB ratio	1:9	1:7	Almost as per proposal
2d	Quantity of topsoil generation in m3	There is no top soil.	na	na
2e	Quantity of overburden generation in m3	7000 cub m	300 cub m	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	There is no top soil.	Almost as per proposal
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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	As per proposal
3b	Quantity of ROM mineral production proposed	21645 t	725 t	
3c	Recovery of sailable/usable mineral from ROM production	10%	10%	As per proposal
3d	Quantity of mineral reject generation	Not Specified.	na	
3e	Grade of mineral rejects generation and threshold value declared.	Not Specified.	na	
3f	Quantity of sub grade mineral generation.	Not proposed.	na	
3g	Grade of sub grade mineral generation	Not proposed.	na	
3h	Manual / Mechanised method adopted for segregating from ROM	mannual	mannual	As per proposal
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed.	na	
3j	Provision of drilling and blasting in mineral benches	proposed	As per proposal	As per proposal

3k	Provision of mining machineries in mineral benches	As per proposal	As per proposal	As per proposal
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3m*3m	3m*3m	
3m	Total area covered under excavation/pits	1 hect	1 hect	
3n	Ore to OB ratio for the pit/mine during the year.	1:9	1:9	
3o	Total area put in use under different heads at the end of year	1:0.05 hect	1hect	
3p	Production of ROM mineral during the last five year period as applicable	2015-16- 21645 t	725 t	under limit of consent to operat.
3q	General remarks of inspecting officers on method of mining etc.		Almost as per proposal	Almost as per proposal

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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate Dumping Are Proposed	OB dumped near the 'C" pillar.	As per proposal
4b	Location of topsoil, OB and mineral reject dumps	OB dumped near the 'C" pillar.	OB dumped near the 'C" pillar.	As per proposal
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	beyond the UPL.	beyond the UPL.	As per proposal
4e	Number of active and alive dumps.	1	1	As per proposal
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.	Not Specified.	na		
4i	Length of Retaining wall or garland drain all along dumps	Not Specified.	na		
4j	Number of settling ponds	na	na		
4k	Specific comments of inspecting officer on waste dump management		Almost as per proposal		Almost as per proposal

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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.	Not proposed.	Not proposed.
5b	Area under backfilling of mined out area	Not proposed.	na	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not proposed.	na	
5d	Total area fully reclaimed and rehabilitated	Not proposed.	na	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Not proposed.	na	Not proposed.

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Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Not Submitted .	Not Submitted .	violation of rule 26(2) has been pointed out.
6b	Area available for rehabilitation (ha) .	Not proposed.	na	na
6c	afforestation done (ha).	50 saplings per year	100 saplings	
6d	No. of saplings planted during the year	50 saplings per year	100	
6e	Cumulative no .of plants	100	100	
6f	Any other method of rehabilitation	plantation	plantation	plantation
6g	Cost incurred on watch and care during the year	12500 Rs	10000 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 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	Not proposed.	na	
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.		violation of rule 26(2) has been pointed out. however, work has been carried out.	violation of rule 26(2) has been pointed out.

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	yes	yes	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	mannual	mannual	
7c	Different grade of mineral sorted out at mines.	abrasive and gem	abrasive and gem	abrasive and gem

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7d	Any beneficiation process at mines	na	na	na
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	mannual sorted out .	mannual sorted out .	As per proposal

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No top soil available, no proposal	na	
8b	Concurrent use or storage of topsoil	No top soil available, no proposal	na	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	ob dump near pillar "c"	ob dump near pillar "c"	As per proposal
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)	Not proposed.	na	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Not proposed.	na	
8g	Survival rate	60%	50%	

8h	Water sprinkling yes on roads to control airborne dust	As per proposal	As per proposal
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Almost as per proposal	.Almost as per proposal

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	given	M.R. Submitted up to - Feb 2017 A.R. submitted up to- year 2015-2016	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	Given	Given
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	Given	Given
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Given	Given	Given
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given	Given	Given
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	Given	Given
9h	Scrutiny of Annual return on fixed assets	Given	Given	Given
9k	Scrutiny of Annual return on mining machineries	Given	Given	Given



**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 :**

**(Tardia K.K.)**

Indian Bureau of Mines