

**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 : **DJ03**) **DILIP JAIN**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Shri A.K.Dasot, Owner
Official with
Designation
- (iv) Date of Inspection : 04-OCT-24
- (v) Prev.inspection date : 11-MAR-17

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** : 4.27
- (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 : Anil Dasot
 M/s AKD GEM GARNET MINES F-
 203 NEAR MAHAPRAGYA CIRCLE,
 AZAD NAGAR BHILWARA
 BHILWARA RAJASTHAN
 Phone:
 FAX :

Mining Engineer

Name : Puroshotam Goyal, Full Time
 Qualification : BE Mining
 Appointment/ : 01-OCT-24
 Termination date

Geologist

Name : Nirmal Kant Sharma, Full Time
 Qualification : M.Sc. Geology
 Appointment/ : 01-OCT-24
 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	No proposal of exploration during previous year i.e. 2022-23.	No exploration during previous year 2022-23.	Proposal of exploration by 8 BHs with 260 mts of drilling in the year 2021-22. The proposed exploration was not carried out and violation of rule 11(1) of MCDR, 2017 issued vide letter dated 18/11/2024.
1b	Exploration over lease area for geological axis 1 or 2	No proposal of exploration during reporting year (RY) 2023-24.	No exploration during reporting year (RY) 2023-24.	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal.	Not applicable as no proposal.	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	Area under G3 was 1.23 hectare.	Area under G3 was 1.23 hectare as no exploration.	Violation of rule 11(1) of MCDR, 2017 issued for no exploration vide letter dated 18/11/2024.
1e	Balance reserve as on 01/04/20	The position of reserve and resource as per approved document dated 20/01/2020 was 138681 and 68742 tons respectively.	The position of reserve and resource as on 01/07/2024 based on the approved RMP dated 01/02/2025 was 67871.69 and 37789.95 tons respectively.	The area under G1/G2/G3 etc has been reassessed under approved RMP dated 01/02/2025 and accordingly figures of reserve and resources are updated.

1f	General remarks of inspecting officers on geology, exploration etc	Geologically the area belongs to Bhilwara Super Group of rock. The exploration proposed in approved dated 20/01/2020 was not carried out by the lessee for which violation of rule 11(1) of MCDR, 2017 issued vide letter dated 18/11/2024.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Development proposed between grid N2807919 to2808093 and E476599 to 476708.	The development was carried out within the approved limit.	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate removal of top soil. Benches in mineral only with a height of 3 meters.	Top spoil has not been generated during the RY. Development has been carried out in mineral benches.	Waste generation in the form of intercalation.
2c	Stripping ratio or ore to OB ratio	1:6.21 CuM/CuM	1:8.99 CuM/CuM	Violation of rule 11(1) of MCDR 2017 issued for deviation in stripping ratio vide letter dated 18/11/2024.
2d	Quantity of topsoil generation in m3	No proposal.	Top spoil has not been generated during the RY.	Nil
2e	Quantity of overburden generation in m3	16460 CuM	23407.78 CuM	Less waste generation due to less production compare to proposal.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Development has been carried out within the approved limit of RY. However, deviation in stripping ratio has been observed for which violation of rule 11(1) of MCDR 2017 issued vide letter dated 18/11/2024.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One.	One.	Out of two existing pits, pit-1 was proposed for mineral production
3b	Quantity of ROM mineral production proposed	65368.00 Tons	22960.00 Tons.	Nil
3c	Recovery of sailable/usable mineral from ROM production	15%	10%	Deviation in recovery has been observed for which violation of rule 11(1) of MCDR 2017 issued vide letter dated 18/11/2024.
3d	Quantity of mineral reject generation	No proposals of mineral reject generation.	Mineral Reject has not been generated during RY.	Nil
3e	Grade of mineral rejects generation and threshold value declared.	No proposal.	Not applicable.	Nil
3f	Quantity of sub grade mineral generation.	No proposals of sub-grade generation.	Su-grade has not been generated during RY.	Nil
3g	Grade of sub grade mineral generation	No proposal.	Not applicable.	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Manual sorting of Garnet mineral from ROM.	As per proposal.	Nil

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	Not applicable.	Nil
3j	Provision of drilling and blasting in mineral benches	Drilling with Jack hammer (32 mm dia) and short hole blasting fragmentation.	As per proposal.	Nil
3k	Provision of mining machineries in mineral benches	Manual loading in trucks/tripper .	As per proposal.	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of the benches has been proposed to 3 meters.	Height of the benches has been observed 3 meters.	Nil
3m	Total area covered under excavation/pits	1.22 hectare at the end of the plan period i.e. 2024-25.	0.51 hectare at the end of 2023-24.	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1:6.21 CuM/CuM	1:8.99 CuM/CuM	Violation of rule 11(1) of MCDR 2017 issued for deviation in stripping ratio vide letter dated 18/11/2024.
3o	Total area put in use under different heads at the end of year	2.22 hectare at the end of the plan period i.e. 2024-25.	1.33 hectare at the end of 2023-24.	Nil
3p	Production of ROM mineral during the last five year period as applicable	2019-20:41625.00 2020-21:30370.00 2021-22:52670.00 2022-23:58597.00 2023-24:65368.00	2019-20: 5386.00 2020-21: 28607.00 2021-22: 30300.00 2022-23: 29510.00 2023-24: 22960.00	All figures in tons.

3q	General remarks of inspecting officers on method of mining etc.	Open cast method is being used for carrying out mining operations in the lease area which is best suitable method of mining for type of the deposit for optimum extraction of ore. Deviation in recovery has been observed for which violation of rule 11(1) of MCDR 2017 issued vide letter dated 18/11/2024.
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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 staking and utilization for plantation. Separate dumping of waste/IB.	No top soil generation during RY. Waste generated during RY is dumped separately.	Nil
4b	Location of topsoil, OB and mineral reject dumps	Topsoil:- near boundary pillar D and Waste/IB dump: near boundary pillar C.	Topsoil: - No top soil generation during RY and waste/IB dumped over earmark area.	Nil
4c	Number of dumps within lease area and outside of lease area	One waste dump within lease area and no waste dump outside lease area.	One waste dump within lease area and no waste dump outside lease area.	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Out Side Ultimate Pit Limit.	Out Side Ultimate Pit Limit.	Nil
4e	Number of active and alive dumps.	One.	One.	Nil
4f	Number of dead dumps.	No proposal.	Not applicable.	Nil
4g	Number of dumps established.	No proposal.	Not applicable.	Nil

4h	Whether Retaining wall or garland drain all along dumps are there.	Proposal of retaining wall and garland drain has been given.	Retaining wall and garland drain has been observed.	Nil
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall: 26 mts and Garland drain: 26 mts.	Retaining wall: 20 mts and Garland drain: 20 mts	Violation of rule 11(1) of MCDR 2017 issued vide letter dated 18/11/2024 for deviation in construction of retaining wall and garland drain.
4j	Number of settling ponds	No proposal.	Not applicable.	Nil
4k	Specific comments of inspecting officer on waste dump management			Waste dumping observed as per proposal, however, violation of rule 11(1) of MCDR 2017 issued vide letter dated 18/11/2024 for deviation in construction of retaining wall and garland drain.

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No proposal of part or full extraction.	The pit is active hence there was no proposal for back filling.	Nil
5b	Area under backfilling of mined out area	No proposal of backfilling.	The pit is active hence there was no proposal for back filling.	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Separate staking and utilization for plantation.	No top soil generation during RY.	Nil
5d	Total area fully reclaimed and rehabilitated	No proposal of reclamation and rehabilitation during RY.	None of the pit area matured for reclamation and rehabilitation during RY.	Nil

5e	General remarks of inspecting officers on backfilling and reclamation etc.	None of the pit area matured for reclamation and rehabilitation, hence, no proposal of backfilling and rehabilitation.
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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).	As per rule 26(2) of MCDR, 2017, PMCP report to be submitted for previous year by 1st July.	Annual PMCP report for reporting year i.e., 2023-24 was not submitted.	Violation of rule 26(2) of MCDR 2017 issued vide letter dated 18/11/2024 for non-submission of PMCP report.
6b	Area available for rehabilitation (ha) .	No proposal.	Not applicable.	Nil
6c	afforestation done (ha).	An area of 0.02 Hectare proposed for plantation during RY.	An area of 0.05 Hectare has been planted during RY.	Nil
6d	No. of saplings planted during the year	50 nos during RY.	30 nos during RY.	Violation of rule 11(1) of MCDR 2017 issued vide letter dated 18/11/2024.
6e	Cumulative no .of plants	No specific proposal.	160 nos at the end of the RY.	Nil
6f	Any other method of rehabilitation	No proposal.	Not applicable.	Nil
6g	Cost incurred on watch and care during the year	No proposal.	Not applicable.	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal.	Not applicable.	Nil

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal.	Not applicable.	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No proposal.	Not applicable.	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Not applicable.	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal.	Not applicable.	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	50 nos during RY	30 nos during RY.	Violation of rule 11(1) of MCDR 2017 issued vide letter dated 18/11/2024.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	An area of 0.02 hectare proposed for plantation during RY.	An area of 0.05 hectare has been planted during RY.	Nil
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Plantation.	Plantation.	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposal has been given for environment monitoring.	The Environmental Monitoring is being done.	Nil

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	The PMCP report for the year 2023-24 was not submitted for which violation of 26(2) of MCDR 2017 issued vide letter dated 18/11/2024 and violation of rule 11(1) of MCDR 2017 issued vide letter dated 18/11/2024 for shortfall in number of plantation.
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Mineral Conservation:

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

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	Separate removal of top soil.	No top soil generation during RY.	Nil
8b	Concurrent use or storage of topsoil	Separate staking and utilization for plantation.	No top soil generation during RY.	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumps for waste/IB. No proposal for rejects & fines generation.	Separate dump for waste.	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	Not applicable.	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	An area of 0.02 hectare proposed for plantation during RY.	An area of 0.05 hectare has been planted during RY.	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	50 nos during RY	30 nos during RY.	Violation of rule 11(1) of MCDR 2017 issued vide letter dated 18/11/2024.
8g	Survival rate	No proposal.	80%	Nil
8h	Water sprinkling on roads to control airborne dust	Yes.	Water sprinkler being used as and when required.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The aesthetic beauty in and around mine is maintained.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	As per rule 45 of MCDR, 2017 monthly and annual return shall be submitted to RCOM.	Monthly and annual return for the RY as per rule 45 of MCDR, 2017 has been submitted.	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Temporary appointment of mining engineer and geologist.	Part time mining engineer and geologist has been appointed.	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit :- 1.27 ha Waste dump: 0.086 ha Infra & Road: 0.07 ha Other : 0.085 ha	The land use information was furnished incorrectly.	Violation of rule 45(7) of MCDR, 2017 issued vide letter dated 18/11/2024.
9d	Scrutiny of Annual return on afforestation	Plantation: Within Lease: 30 nos. sapling and outside lease: 70 nos. sapling .	The information of plantation is found in order.	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Mineral Reject generation reported as NIL	No mineral reject generation during RY.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM stock: NIL and Grade wise stock: 2159.215 tons	Appears in order.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine price: 3550.00 per ton and cost of production: Rs. 2529.75 per ton.	Calculation error in cost of production has been observed.	Violation of rule 45(7) of MCDR, 2017 issued vide letter dated 18/11/2024.
9h	Scrutiny of Annual return on fixed assets	Fixed asset value: Rs. 1317350.00/-	Appears in order.	Nil
9k	Scrutiny of Annual return on mining machineries	Dozer, Jeep, tractor etc.	The information of mining machinery furnished appears in order.	Nil

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
MCDR17	Rule 11(1)	18-NOV-24			
MCDR17	Rule 26(2)	18-NOV-24			
MCDR17	Rule 45(7)(a)	18-NOV-24			

Date :

(DILIP JAIN)

Indian Bureau of Mines