

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/BHIL-467/FQ-266

Mine code : 26RAJ06022

- (i) Name of the Inspecting : P10) Ritam Pradhan
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Sh. Arihant Jain, Owner's representative
Official with
Designation
- (iv) Date of Inspection : 24-OCT-24
- (v) Prev.inspection date : 07-SEP-18

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : ODIYAKHERA 150/2006
- (b) **Registration NO.** :
- (c) **Category** : A Other than Fully Mech.
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : RAJASTHAN
- District : BHILWARA
- Village :
- Taluka :
- Post office :
- Pin Code :
- FAX No. :
- E-mail : DINESHJAIN150@GMAIL.COM
- Phone : 9352145577
- (f) **Police Station** : BHILWARA
- (g) **First opening date** : 08-JUL-08
- (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** : GARNET Main

5. Name and Address of the

Lessee : DINESH KUMAR JAIN
DINESH KUMAR JAIN
VILL.&PO.KHARWA, TEH.
BEAWAR AJMER RAJASTHAN
Phone:
FAX :

Owner : DINESH KUMAR JAIN
S/O NEMI CHAND JAIN, PO.
KHARWA, TEH. BEAWER, AJMER
RAJASTHAN
Phone:
FAX :

Agent : DINESH KUMAR JAIN S/O BHAGCHAND JAIN
R/O - GURUNANAK COLONY,
BUNDI BUNDI RAJASTHAN
Phone:
FAX :

6. Date of approval of Mining : MP review under 17(1) MCR 2016 12-APR-19
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	Nil
1b	Exploration over lease area for geological axis 1 or 2	5 borehole	No borehole	Violation of rule 11(1) of MCDR, 2017 has been issued.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No specific proposal is given	Not applicable	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	3Ha	0	Violation of rule 11(1) of MCDR, 2017 has been for not carrying out bore hole for exploration.
1e	Balance reserve as on 01/04/20	-	Reserve: 483,362 tonnes and Resource: 267,626 tonnes as on 31.3.2024	Nil
1f	General remarks of inspecting officers on geology, exploration etc			Violation of rule 11(1) of MCDR, 2017 has been issued for not carrying out borehole as per proposal.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit-1, SW-NE direction	as per proposal	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes, separate benches in overburden and mineral	as per proposal	Nil
2c	Stripping ratio or ore to OB ratio	1:0.034	1:0.33	Nil
2d	Quantity of topsoil generation in m3	5700m3	No topsoil generation.	Nil
2e	Quantity of overburden generation in m3	800m3	4889m3	Nil

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Development may be considered satisfactory.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1 pit	1 pit	Nil
3b	Quantity of ROM mineral production proposed	61048 ton	38060 ton	Violation of rule 11(1) has been issued for less production.
3c	Recovery of sailable/usable mineral from ROM production	26717 ton	11420 ton	Violation of rule 11(1) has been issued for less production.
3d	Quantity of mineral reject generation	34330.40ton	26640 ton	Nil
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	Not applicable	Nil
3f	Quantity of sub grade mineral generation.	No proposal	Not applicable	Nil
3g	Grade of sub grade mineral generation	No proposal	Not applicable	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	Magnetic separator found outside lease boundary.	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 using Jackhammer, explosive: Ammonium Nitrate Fuel Oil Mixture	As per proposal.	Nil

3k	Provision of mining machineries in mineral benches	Dumper and shovel	As per proposal	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, proposed height is suitable for mining	As per proposal.	Nil
3m	Total area covered under excavation/pits	0.57Ha at the end of RY	0.23 Ha at the end of RY.	NIL
3n	Ore to OB ratio for the pit/mine during the year.	1:0.034	1:0.33	Nil
3o	Total area put in use under different heads at the end of year	Area under Mining- 0.57Ha, Topsoil stacking- .10Ha, Overburden/Waste Dumping- 0.15Ha, Mineral Storage- 0.17Ha, Infrastructure - 0.01Ha, Roads- 0.04Ha, Mineral separation Plant- 0.02Ha	Covered under current (O-C) Workings: 0.230Ha, Waste disposal: 0.250Ha, Infra & plantation: 0.04Ha, used for miscellaneous purpose: 0.005Ha	Nil
3p	Production of ROM mineral during the last five year period as applicable	RY 2022-2023: Not Available	RY 2022-2023: 5800 tonnes	Nil
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 production has been observed for which violation of rule 11(1) of MCDR 2017 issued.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes proposed.	Waste generated during RY is dumped separately.	Nil
4b	Location of topsoil, OB and mineral reject dumps	Topsoil: N 2828383, E 517932, Reject dump: N2828241-N2828296, E517800-E517850	Reject dump: N-2828243 E-517984 N-2828283 E-517976, N-2828305 E-517992, N-2882265 E-518025	Violation of rule 11(1) of MCDR, 2017 has been issued for not dumping of waste at proposed location.
4c	Number of dumps within lease area and outside of lease area	Within lease area: 01, Outside lease area: 0	Within lease area: 0, Outside lease area: 1	Violation of rule 11(1) of MCDR , 2017 has been issued for not dumping at proposed location.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	Nil
4e	Number of active and alive dumps.	1	1	Nil
4f	Number of dead dumps.	0	0	Nil
4g	Number of dumps established.	0	0	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposed	Not observed.	Violation of Rule 11(1) of MCDR, 2017 has been issued for not carrying out Retaining wall, Garland drain.
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall- 235m, Garland drain-142m	Retaining wall- 0m, Garland drain-0m	Violation of Rule 11(1) of MCDR, 2017 has been issued for not carrying out Retaining wall, Garland drain.
4j	Number of settling ponds	No proposal	Not applicable	Nil
4k	Specific comments of inspecting officer on waste dump management			Violation of rule 11(1) of MCDR , 2017 was issued for deviation in location of waste dumping and for not carrying out retaining wall and garland drain.

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 partly or fully mined out.	Not applicable	Nil
5b	Area under backfilling of mined out area	No proposal	Not applicable	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	Not applicable	Nil
5d	Total area fully reclaimed and rehabilitated	No proposal	Not applicable	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.

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).	PMCP report to be submitted for previous year by 1st July.	PMCP report was not uploaded in AR	Show cause notice have been issued for violation of rule 45(7) of MCDR, 2017.
6b	Area available for rehabilitation (ha) .	No proposal	Not applicable	Nil
6c	afforestation done (ha).	Area: 0.02, No of plants: 50	Area: 0.02, No of plants: 50	Nil
6d	No. of saplings planted during the year	50	50	Nil
6e	Cumulative no .of plants	50	50	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 plants during RY	As per proposal	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	An area of 0.02 hectare proposed for plantation during RY.	As per proposal.	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 aesthetic beauty in and around mine area is satisfactory.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Sorting of garnet from ROM	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	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No issues related to mineral conservation observed.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	Yes, proposed	Separately removed and used in plantation.	Nil
8b	Concurrent use or storage of topsoil	Both	Used in plantation.	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumps for waste. No proposal for rejects & fines generation.	Waste has been separately dumped.	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	0.02Ha area has been proposed for plantation.	As per proposal	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	0.02Ha area has been proposed	As per proposal.	Nil
8g	Survival rate	75%	80%	Nil
8h	Water sprinkling on roads to control airborne dust	Yes	water sprinkler is 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
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	Appointed part time mining engineer.	Mining engineer and Geologist were not present.	Violation of rule 55(1) of MCDR, 2017 was issued.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Current O-C working: 0.23 Ha, waste disposal: 0.250Ha, plant, buildings, residential, welfare buildings and roads: 0.04Ha	Reporting seems Ok.	Nil
9d	Scrutiny of Annual return on afforestation	Within lease area: 35, outside lease area: 15	Within lease area: 35, outside lease area: 15	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No sub grade mineral reject generation has been reported in AR	No sub grade mineral reject has been generated during RY.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM production: 38060tonnes, Closing stock: 38060 tonnes, Gradewise production: 11420 tones.	Opening stock, production and closing stock of ROM at mine head as 0 ton, 38060 tonne and 38060 tonne respectively. It implies no dispatch has been done. Whereas grade wise production has been reported as 11420 tonne and grade wise dispatch has been reported as 12046.88 tonne. Therefore, the closing stock of ROM at mine head should not be same as production of ROM at mine head as there is grade wise production and dispatch have been reported.	SCN has been issued for violation rule 45(7) of MCDR, 2017.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Production cost: 3260.67/-	It seems incorrect.	SCN has been issued for violation of rule 45(7) of MCDR, 2017.
9h	Scrutiny of Annual return on fixed assets	Net closing balance: 1970000	It seems ok	Nil

9k	Scrutiny of Annual return on mining machineries	Shovel and dumper	Shovel and dumper	Nil
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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 :

(Ritam Pradhan)

Indian Bureau of Mines