

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/AJM-606/GARNET-551

Mine code : 26RAJ01011

- (i) Name of the Inspecting : P10) Ritam Pradhan
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Mr. Sish Pal
Official with
Designation
- (iv) Date of Inspection : 25/10/2024
- (v) Prev.inspection date : 12/04/2024

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : SARWAR 44/01
- (b) **Registration NO.** :
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address** :
State : RAJASTHAN
District : AJMER
Village :
Taluka :
Post office :
Pin Code :
FAX No. :
E-mail :
Phone :
- (f) **Police Station** :
- (g) **First opening date** : 19/01/2006
- (h) **Weekly day of rest** :
2. **Address for correspondance** :
3. (a) **Lease Number** : RAJ2323
- (b) **Lease area** : 5
- (c) **Period of lease** : 50
- (d) **Date of Expiry** : 30/01/2056
4. **Mineral worked** : GARNET Main

5. Name and Address of the

Lessee : SHER MOHAMMAD S/O NOOR MOHAMMAD
AJMER RAJASTHAN
Phone:
FAX :

Owner : SHER MOHAMMAD
AJMER RAJASTHAN
Phone:
FAX :

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	17/01/2006
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	29/03/2015
		MP review under 17(1) MCR 2016	18/10/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	7trenches	Nil	
1b	Exploration over lease area for geological axis 1 or 2	No proposal for RY	Nil	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Lessee himself	Lessee himself	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	G3: 1.3ha as per approved mine plan dated 26.07.2021	Nil	
1e	Balance reserve as on 01/04/20		Remaining reserve as per latest approved MRMP dated 03/07/2024 is 922982ton Remaining resource as per latest approved MRMP dated 03/07/2024 is 120061ton	Nil
1f	General remarks of inspecting officers on geology, exploration etc			Value of reserve and resource has been upgraded as per latest approved MRMP dated 03/07/2024

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N 2882170 N2882248 E 503457 E503531	As per proposal	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	yes	yes	Nil
2c	Stripping ratio or ore to OB ratio	1:0	1:0	Nil
2d	Quantity of topsoil generation in m3	2835Cum	Not generated in the RY	Nil

2e	Quantity of overburden generation in m3	Nil	Nil	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Satisfactory.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	Nil
3b	Quantity of ROM mineral production proposed	53865t	5350t	Violation of rule 11(1) has been issued for less production.
3c	Recovery of sailable/usable mineral from ROM production	10773t	1070t	less recovery as less production.
3d	Quantity of mineral reject generation	43092t	4280t	Less amount of reject generation as less production.
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	Nil
3f	Quantity of sub grade mineral generation.	NA	NA	Nil
3g	Grade of sub grade mineral generation	NA	NA	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	manual	manual	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	NA	Nil

3j	Provision of drilling and blasting in mineral benches	Not proposed	NA	Nil
3k	Provision of mining machineries in mineral benches	JCB, excavator, tipper	As proposed	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	Nil
3m	Total area covered under excavation/pits	0.91Ha	0.18Ha	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1:0	1:0	Nil
3o	Total area put in use under different heads at the end of year	2.19Ha	0.93Ha	Nil
3p	Production of ROM mineral during the last five year period as applicable	2018-19:8387 t 2019-20:9014 t 20-21:10492 t 21-22:11400 t 22-23:20520 t 23-24:53865 t	2018-19: 0 t 2019-20: 399.83 t 20-21: 10467 t 21-22: 5230 t 22-23:5240 t 23-24:5350 t	Nil
3q	General remarks of inspecting officers on method of mining etc.			Violation of rule 11(1) has been issued for less production.

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	Yes	Nil

4b	Location of topsoil, OB and mineral reject dumps	26 03'30.834"N 75 02'4.416"E	26 03'29"N, 75 02'08"E 26 03'30"N, 75 02'08"E 26 03'29"N, 75 02'07"E	Violation rule 11(1) has been issued for deviation in dumping of waste from proposed location.
4c	Number of dumps within lease area and outside of lease area	One	three	Violation rule 11(1) has been issued for deviation in dumping of waste from 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.	one	one	Nil
4f	Number of dead dumps.	NA	Nil	Nil
4g	Number of dumps established.	Not proposed	Not applicable	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	No	Violation of rule 11(1) has been issued for not carrying out retaining wall and garland drain as per proposal.
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall: 40m Garland drain: 50m	Nil	Violation of rule 11(1) has been issued for not carrying out retaining wall and garland drain as per proposal.
4j	Number of settling ponds	No proposal	Not applicable.	Nil
4k	Specific comments of inspecting officer on waste dump management			Violation rule 11(1) has been issued for deviation in dumping of waste from proposed location. Violation of rule 11(1) has been issued for not carrying out retaining wall and garland drain as per proposal.

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.	No proposal	Nil	Not matured for backfilling.
5b	Area under backfilling of mined out area	165sqm at end of the plan period.	Nil	Not matured for backfilling.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Proposed for use in plantation.	No topsoil generation.	Nil
5d	Total area fully reclaimed and rehabilitated	No proposal	Not applicable	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Area has not been matured for backfilling.

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	Yes	Nil
6b	Area available for rehabilitation (ha) .	No proposal	Not applicable	Nil
6c	afforestation done (ha).	no of plants: 50	No of plants: 20	Violation of rule 11(1) has been issued for less plantation than proposal.
6d	No. of saplings planted during the year	50	20	Violation of rule 11(1) has been issued for less plantation than proposal.
6f	Any other method of rehabilitation	No proposal	Not applicable.	Nil

6g	Cost incurred on watch and care during the year	No proposal.	rs 20000/-	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	165sqmt at the end of plan period.	Area is not matured for backfilling.	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 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	20 plants	Violation of rule 11(1) has been issued for less plantation than proposal.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	Not applicable	Nil

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	Not applicable	nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	As per rule.	Carried out as per proposal.	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Violation of Rule 11(1) has been issued for less plantation.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM production : 53865 t Recoverable Minerals :10773 t	ROM production :5340 t Recoverable :1070 t	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Mechanical (Magnetic separator)	Nil
7c	Different grade of mineral sorted out at mines.	No proposal	Not applicable	Nil
7d	Any beneficiation process at mines .	Separation of saleable minerals from ROM using magnetic separator	As proposed.	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No such issue.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	No topsoil generation in the RY	Nil
8b	Concurrent use or storage of topsoil	Use for plantation	No topsoil generation the RY	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No OB, Separarte dumping of mineral rejects	as per proposal	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)	No proposal	Not applicable	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Afforestation: 50	Total at the end of the RY: Inside lease area: 65 Afforestation carried out this RY: 20	Violation of rule 11(1) has been issued for less plantation.
8g	Survival rate	Inside lease 80 %	Inside lease 80 %	Nil
8h	Water sprinkling on roads to control airborne dust	Yes proposed	Carried out as per required.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Upgradation can be done.

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	Appointment of ME and Geologist as per rule 55 of MCDR	part time mine engineer and geologist are appointed.	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(i) Already exploited and abandoned by opencast (O-C) mining 0.000 (ii) Covered under current (O-C) Workings 0.180 (iii) Reclaimed rehabilitated 0.000 (iv) Used for waste disposal 0.470 (v) Occupied by plant, buildings, residential, welfare buildings and roads 0.130 (vi) Used for any other purpose (specify) Plantation 0.150 (vii) Work done under progressive mine closure plan during the year 0.000	Reporting seems ok.	Nil
9d	Scrutiny of Annual return on afforestation	Within lease area: 20	Reporting is ok.	Violation of rule 11(1) has been issued for less plantation than proposed number of plants.

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No subgrade generation	No subgrade generation in the RY	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM production: 5350t, Closing stock: 5350t	opening stock, production and closing stock of ROM at mine head as 0 ton, 5350tonne and 5350tonne respectively. It implies no dispatch has been done. Whereas in point 3(ii) grade wise production has been reported as 1070 tonne and grade wise dispatch has been reported as 1036.15tonne. 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	Show notice has been issued for violation of rule 45(7)
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	ex-mine price: 2499.86 production cost: 2245.53	Production cost seems incorrect.	Show cause notice has been issued for violation of rule 45(7)
9h	Scrutiny of Annual return on fixed assets	fixed asset: 8968361	seems incorrect.	Show cause notice has been issued for violation of rule 45(7)
9k	Scrutiny of Annual return on mining machineries	as per proposal	reporting seems ok	Nil

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