

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/PAL-47/MAG-3

Mine code : 39RAJ21003

- (i) Name of the Inspecting : 01) Ajay Kumar Jatolia
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Shri Sher Singh Gehlot, Mine lessee and Mine official with
Designation
- (iv) Date of Inspection : 30-MAY-24
- (v) Prev. inspection date : 27-JUN-18

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : KHIVANDI
- (b) **Registration NO.** : IBM/9475/2012
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : RAJASTHAN
- District : PALI
- Village : KHIVANDI
- Taluka : BALI
- Post office : KHIVANDI
- Pin Code :
- FAX No. : Nil
- E-mail : Nil
- Phone : 09426175839, 09879479024
- (f) **Police Station** : SANDERAO
- (g) **First opening date** : 03-DEC-98
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : SH ASHOK KUMAR DALMIYA
TIRUPATI MARBLES LTD. HIMMATNAGAR ROAD,
AMBAJI- 385110 GUJRAT
3. (a) **Lease Number** : RAJ1764
- (b) **Lease area** : 5
- (c) **Period of lease** : 50
- (d) **Date of Expiry** : 02-DEC-48
4. **Mineral worked** : MAGNESITE Main

5. Name and Address of the

Lessee : ASHOK KUMAR DALMIYA
RES-SHANTAKUNJ, RICCO ABU
ROAD DIST-SIROHI SIROHI
RAJASTHAN
Phone:
FAX :

Owner : ASHOK KUMAR DALMIYA
SIROHI RAJASTHAN
Phone:
FAX :

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	06-NOV-98
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	22-NOV-05
		Mining Scheme rule 12 MCDR1988	19-MAR-15

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No backlog proposal of previous year	Not applicable	Nil
1b	Exploration over lease area for geological axis 1 or 2	04 boreholes was proposed during the year 2023-24	Not done	Mine was not in operation due to enviroment clearance and poor market condition of material.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No Proposal	Not applicable	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	Not applicable	Nil
1e	Balance reserve as on 01/04/20	Reserve and Resource as on 01.04.2023,38 213.96 and 45302.00 tonnes respectively	Reserve and Resource as on 01.04.2024,38212.96 and 45302.00 tonnes respectively	Nil
1f	General remarks of inspecting officers on geology, exploration etc			Mine was not in operation due to enviroment clearance and poor market condition of material.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	North and South side	Mine was not in operation due to enviroment clearance and poor market condition of material.	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Seperate benches in topsoil, overburden and minerals have been proposed	Mine was not in operation due to enviroment clearance and poor market condition of material.	Nil

2c	Stripping ratio or ore to OB ratio	No proposal	Not applicable	Mine was not in operation due to enviroment clearance and poor market condition of material.
2d	Quantity of topsoil generation in m3	124.20 Cum	Nil	Nil quantity of Top soil has been produced during the year 2023-24 against the proposal of 124.20 Cum quantity of Top soil.Hence, Violation has been issued to lessee
2e	Quantity of overburden generation in m3	No proposal	Nil	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Nil quantity of Top soil has been produced during the year 2023-24 against the proposal of 124.20 Cum quantity of Top soil.Hence, Violation has been issued to lessee

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Four	Four	Nil
3b	Quantity of ROM mineral production proposed	22042.44 tonnes	Nil	Nil quantity of ROM production has been produced during the year 2023-24 against the proposal of 22042.44 tonnes quantity of ROM.Hence, Violation letter has been issued.
3c	Recovery of sailable/usable mineral from ROM production	10%	Mine was not in operation due to enviroment clearance and poor market condition of material.	Nil

3d	Quantity of mineral reject generation	19838.20 tonnes	Mine was not in operation due to enviroment clearance and poor market condition of material.	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	Not applicable as no proposal	Not applicable	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	Not applicable	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	Yes, proposed	Not done	Mine was not in operation due to enviroment clearance and poor market condition of material.
3k	Provision of mining machineries in mineral benches	Yes, proposed	Not done	Mine was not in operation due to enviroment clearance and poor market condition of material.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, proposed	Not done	Mine was not in operation due to enviroment clearance and poor market condition of material.
3m	Total area covered under excavation/pits	1.91 Ha	Mine was not in operation due to enviroment clearance and poor market condition of material.	Nil
3n	Ore to OB ratio for the pit/mine during the year.	No proposal	Nil	None

3o	Total area put in use under different heads at the end of year	3.18Ha	Mine was not in operation due to enviroment clearance and poor market condition of material.	None
3p	Production of ROM mineral during the last five year period as applicable	No mining plan from 2019-20 to 2021-22. 2022-23 : 20185 tonnes and 2023-24 : 22042.44 tonnes	2019-20 to 2021-22 : Nil, 2022-23 and 2023-24 : 10 and 10 tonnes	Nil
3q	General remarks of inspecting officers on method of mining etc.			Nil quantity of ROM production has been produced during the year 2023-24 against the proposal of 22042.44 tonnes quantity of ROM.Hence, Violation letter has been issued.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Seperate dumping of topsoil, OB and Mineral rejects have been proposed	No topsoil, OB and Mineral Reject have been generated during the year.	Mine was not in operation due to enviroment clearance and poor market condition of material.
4b	Location of topsoil, OB and mineral reject dumps	Proposed	No topsoil, OB and Mineral Reject have been generated during the year.	Mine was not in operation due to enviroment clearance and poor market condition of material.
4c	Number of dumps within lease area and outside of lease area	01	No OB has been generated during the year.	Mine was not in operation due to enviroment clearance and poor market condition of material.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	No OB has been generated during the year.	Mine was not in operation due to enviroment clearance and poor market condition of material.

4e	Number of active and alive dumps.	01	No OB has been generated during the year.	Mine was not in operation due to enviroment clearance and poor market condition of material.
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.	Yes, proposed	No retaining wall and garland drain have been made during the year 2023-24.	258 m proposed Retaining wall during the year 2023-24 has not been done on proposed location. 230 m proposed Garland drain during the year 2023-24 has not been done on proposed location. Hence, Violation under rule 11(1) of MCDR 2017 has been issued.
4i	Length of Retaining wall or garland drain all along dumps	258 m Retaining wall and 230 m Garland drain were proposed during the year 2023-24.	No Retaining wall and Garland drain have been made during the year 2023-24.	258 m proposed Retaining wall during the year 2023-24 has not been done on proposed location. 230 m proposed Garland drain during the year 2023-24 has not been done on proposed location. Hence, Violation under rule 11(1) of MCDR 2017 has been issued.
4j	Number of settling ponds	No proposal	Not applicable	Nil

4k	Specific comments of inspecting officer on waste dump management	258 m proposed Retaining wall during the year 2023-24 has not been done on proposed location. 230 m proposed Garland drain during the year 2023-24 has not been done on proposed location. Hence, Violation under rule 11(1) of MCDR 2017 has been issued.
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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.	No Proposal	None	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.			No area become matured for backfillng.

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).	Lessee shall submit PMCP report up to 1st July for previous financial year.	Submitted along with Annual Return	Nil
6b	Area available for rehabilitation (ha) .	0.09Ha	As per proposal	Nil
6c	afforestation done (ha).	0.09Ha	As per proposal	Nil
6d	No. of saplings planted during the year	90 Nos sapling has been proposed	500 nos sapling has been planted	Nil
6e	Cumulative no .of plants	No speicific proposal	500 nos sapling has been planted	Nil
6f	Any other method of rehabilitation	Plantation	Plantation	Nil
6g	Cost incurred on watch and care during the year	Rs 45000	As per proposal	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 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	90 nos sapling	As per proposal	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.09Ha	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)	Proposed	It is being carried out as per proposal.	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			PMCP Compliance is satisfactory.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	All ROM mineral will be dispatched	No ROM generated during the year	Mine was not in operation due to enviroment clearance and poor market condition of material.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	Not applicable	Nil

7c	Different grade of mineral sorted out at mines.	Not applicable as 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			Mine was not in operation due to enviroment clearance and poor market condition of material.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Seperate removal and utilisation of topsoil were proposed.	No topsoil was generated during the year.	Nil quantity of Top soil has been produced during the year 2023-24 against the proposal of 124.20 Cum quantity of Top soil.Hence, violation letter has been issued.
8b	Concurrent use or storage of topsoil	Proposed	No topsoil was generated during the year.	Nil quantity of Top soil has been produced during the year 2023-24 against the proposal of 124.20 Cum quantity of Top soil.Hence, violation letter has been issued.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate Dumping of OB/IB proposed.	No OB generated during the year	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	None	Nil

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	None	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	500 nos plantation has been proposed.	As per proposal	Nil
8g	Survival rate	No specific proposal	Not reported	Nil
8h	Water sprinkling on roads to control airborne dust	Proposed	Observed.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Nil quantity of Top soil has been produced during the year 2023-24 against the proposal of 124.20 Cum quantity of Top soil. Hence, violation letter has been issued.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	As per rule 45 of MCDR, monthly returns and annual returns to be submitted.	Monthly returns and Annual Return for the year 2023-24 have been submitted timely.	Mine was not in operation due to environment clearance and poor market condition of material.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details given	Found to be in order.	Mine was not in operation due to environment clearance and poor market condition of material.

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details given	Found to be in order	Mine was not in operation due to enviroment clearance and poor market condition of material.
9d	Scrutiny of Annual return on afforestation	500 Numbers of trees reported during the year	Found to be correct.	Mine was not in operation due to enviroment clearance and poor market condition of material.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil Mineral reject has been reported.	Seems to be correct	Mine was not in operation due to enviroment clearance and poor market condition of material.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM Opening Stock - 31 tonnes, and Closing Stock of ROM-31 tonnnes.	Found to be in Order.	Mine was not in operation due to enviroment clearance and poor market condition of material.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex Mine price- 5000 Rs/ tonne	Found to be in order	Mine was not in operation due to enviroment clearance and poor market condition of material.
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Asset-Rs. 500000 /-	Found to be in order	Mine was not in operation due to enviroment clearance and poor market condition of material.
9k	Scrutiny of Annual return on mining machineries	Deatils given	Found Ok	Mine was not in operation due to enviroment clearance and poor market condition of material.

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
MCDR17	Rule 11(1)	01-JUL-24			

Date :

(Ajay Kumar Jatolia)

Indian Bureau of Mines