

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/JLR-11/FLO-05

Mine code : 24RAJ15007

- (i) Name of the Inspecting : **DJ03**) **DILIP JAIN**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Shri Bhanwar Lal Bishnoi, Lessee
Official with
Designation
- (iv) Date of Inspection : 29-NOV-23
- (v) Prev.inspection date : 18-NOV-22

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **CHATWARA 6/07**
- (b) **Registration NO.** : **IBM/45097/2022**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address :
State : RAJASTHAN
District : JALORE
Village : Chatwara
Taluka : Raniwara
Post office : Aniwara
Pin Code : 343029
FAX No. :
E-mail : bhanwarlal1978@gmail.com
Phone : 9413854447
- (f) Police Station : Bhinmal
- (g) First opening date : 07-NOV-14
- (h) Weekly day of rest : SUN
2. Address for : Shri Bhanwar Lal Bisnoi
correspondance : Lumbanio Ki Dhani
Digaon, Raniwara
3. (a) Lease Number : RAJ5425
- (b) Lease area : 4.75
- (c) Period of lease : 50
- (d) Date of Expiry : 06-NOV-64
4. Mineral worked : FLUORITE Main

5. Name and Address of the

Lessee : Bhanwar Lal Bisnoi
 Lumbanio Ki Dhani Digaon,
 Raniwara JALORE RAJASTHAN
 Phone:9413854447
 FAX :

Owner : Bhanwar Lal Bisnoi
 Lumbanio Ki Dhani Digaon,
 Raniwara JALORE RAJASTHAN
 Phone: 9413854447
 FAX :

Agent : Bhanwar Lal Bisnoi
 Lumbanio Ki Dhani Digaon,
 Raniwara JALORE RAJASTHAN
 Phone: 9413854447
 FAX :

Mining Engineer

Name : Amit Bhati, Full Time
 Qualification : BE Mining
 Appointment/ : 25-APR-22
 Termination date

Geologist

Name : Narrotum Kumawat, Full Time
 Qualification : M.Sc. Geology
 Appointment/ : 26-APR-22
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining : MP review under 17(1) MCR 2016 02-FEB-21

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	A total 07 Bhs have been proposed to drill in the previous year 2021-22.	No exploration has been carried out during the previous year.	Nil
1b	Exploration over lease area for geological axis 1 or 2	A total 08 BHs have been proposed to drill in RY 2022-23.	No exploration has been carried out during the reporting year 2022-23.	RMP for the period 2023-24 has been approved on 16/03/2023 and proposal of exploration has been given a fresh in the year 2023-24.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal on exploration agency and expenditure.	Not applicable as no proposal.	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	4.75 hectare.	No exploration has been carried out during the reporting year 2022-23.	RMP for the period 2023-24 has been approved on 16/03/2023 and proposal of exploration has been given a fresh in the year 2023-24.
1e	Balance reserve as on 01/04/20	Reserve and resource as on 30/09/2022 was 730515 and 370915 tons respectively.	Reserve and resource as on 01/04/2023 was 730390 and 370915 tons respectively.	Depletion of 145 tons during 2022-23.
1f	General remarks of inspecting officers on geology, exploration etc	A total 08 BHs have been proposed to drill in RY 2022-23.	No exploration has been carried out during the reporting year 2022-23.	RMP for the period 2023-24 has been approved on 16/03/2023 and proposal of exploration has been given a fresh in the year 2023-24.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
--------	------	-----------	-------------	---------

2a	Location of development w.r.t.lease area	Development proposed between N2756421 to 2756641 to E210520 to 210623.	Development was carried out between N2756550 to 2756658 to E210516 to 210630.	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Benches in mineral.	As per proposal.	Nil
2c	Stripping ratio or ore to OB ratio	1:0 ton/ton	1:0 ton/ton	Nil
2d	Quantity of topsoil generation in m3	No proposal.	No top soil generation.	Nil
2e	Quantity of overburden generation in m3	No proposal.	No OB generation.	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Development has been proposed through opencast method of mining.	Development is being carried out as per proposal.	No issue related to development.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One.	One.	Nil
3b	Quantity of ROM mineral production proposed	99417 tons.	145 tons.	Less production due to no demand.
3c	Recovery of sailable/usable mineral from ROM production	89475 tons	145 tons.	Less production due to no demand.
3d	Quantity of mineral reject generation	9942 tons	No mineral reject generation during RY.	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Not specified.	Not applicable as no mineral reject generation.	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	Mechanized through crushing and screening.	Proposed crusher and screen not installed.	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	Short hole drilling of 32 mm dia.	No drilling and blasting during RY.	Nil
3k	Provision of mining machineries in mineral benches	Excavator and dumper combination.	Excavator and trucks combination.	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3 mts.	3 mts.	Nil
3m	Total area covered under excavation/pits	1.71 hectare at the end of 2022-23.	0.050 hectare at the end of 2022-23.	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1:0 ton/ton	1:0 ton/ton	Nil
3o	Total area put in use under different heads at the end of year	2.12 hectare at the end of 2022-23.	0.080 hectare at the end of 2022-23.	Nil
3p	Production of ROM mineral during the last five year period as applicable	2018-19: No valid MP 2019-20: No valid MP 2020-21: 43524 2021-22: 74632 2022-23: 99417	2018-19: Nil 2019-20: Nil 2020-21: Nil 2021-22: Nil 2022-23: 145	All figures in tons.

3q	General remarks of inspecting officers on method of mining etc.	Opencast method of mining was proposed.	Opencast method of mining is being practiced.	The method of mining proposed is best suitable to the type of deposit.
----	---	---	---	--

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal of top soil and MR dumping near boundary pillar C.	No top soil, OB and MR generation during the RY.	Nil
4b	Location of topsoil, OB and mineral reject dumps	No proposal of top soil and MR dumping near boundary pillar C.	No top soil, OB and MR generation during the RY.	Nil
4c	Number of dumps within lease area and outside of lease area	No proposal.	Not applicable.	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal.	Not applicable.	Nil
4e	Number of active and alive dumps.	No proposal.	Not applicable.	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.	Proposed.	No construction of retaining wall and garland drain during RY as no MR generation.	Retaining wall and garland rain proposed along MR dump.
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall: 50 mts and Garland drain: 65 mts.	No construction as no MR generation during RY.	Nil
4j	Number of settling ponds	No proposal.	Not applicable.	Nil
4k	Specific comments of inspecting officer on waste dump management	No proposal of waste generation.	Not applicable.	No issue related to waste dumping as no waste generation.

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 of part or full extraction of mineral.	Not applicable as no proposal.	Nil
5b	Area under backfilling of mined out area	No proposal.	No backfilling during reporting year.	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Concurrent use of top soil for plantation.	No top soil 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.	No proposal of backfilling.	Nil	No area 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).	As per rule 26 of MCDR, 2017 holder of mining lease shall submit PMCP before 1st day of July every year.	PMCP report for the year 2022-23 has not been submitted.	Violation of rule 26(2) of MCDR, 2017 issued vide letter dated 18/01/2024
6b	Area available for rehabilitation (ha) .	No proposal.	Not applicable.	Nil
6c	afforestation done (ha).	0.05 hectare.	Nil	Violation of rule 11(1) of MCDR, 2017 issued vide letter dated 18/01/2024
6d	No. of saplings planted during the year	50 Nos.	Nil	Violation of rule 11(1) of MCDR, 2017 issued vide letter dated 18/01/2024

6e	Cumulative no .of plants	Not Specified.	Not applicable.	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 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.	Nil.	Violation of rule 11(1) of MCDR, 2017 issued vide letter dated 18/01/2024.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.05 hectare.	Nil.	Violation of rule 11(1) of MCDR, 2017 issued vide letter dated 18/01/2024.

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Plantation.	No plantation.	Violation of rule 11(1) of MCDR, 2017 issued vide letter dated 18/01/2024.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	An area of 0.05 hectare with 50 nos of saplings was proposed to plant.	No plantation work during Ry.	Violation of rule 11(1) of MCDR, 2017 issued vide letter dated 18/01/2024.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM processing through Crushing and Screening.	Proposed crusher & screen plant not installed and no dispatch from mine during RY.	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanized through crushing and screening.	Proposed crusher and screen not installed.	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 proposal.	Not applicable.	No issue related to mineral conservation.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal of top soil generation.	No top soil generation during the RY.	Nil

8b	Concurrent use or storage of topsoil	No proposal.	Not applicable.	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal of OB generation and separate dumping of MR.	No OB and MR generation during the RY.	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)	An area of 0.05 hectare with 50 nos of saplings was proposed to plant.	No plantation during Ry.	Violation of rule 11(1) of MCDR, 2017 issued vide letter dated 18/01/2024.
8g	Survival rate	No proposal.	Not applicable.	Nil
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul road etc.	As per proposal.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	An area of 0.05 hectare with 50 nos of saplings was proposed to plant.	No plantation during Ry.	Violation of rule 11(1) of MCDR, 2017 issued vide letter dated 18/01/2024.

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, 2017 monthly and annual returns to be submitted.	Annual and Monthly returns for RY have been submitted.	Nil

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	No information related to Mining Engineer and Geologist.	Mining Engineer and Geologist appointed.	Violation of rule 45(7) of MCDR, 2017 issued.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	No information on land use was submitted.	No information on land use was submitted.	Violation of rule 45(7) of MCDR, 2017 issued.
9d	Scrutiny of Annual return on afforestation	Within ML-Nil Outside ML-Nil	No plantation in lease area.	Violation of rule 11(1) of MCDR, 2017 issued vide letter dated 18/01/2024.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	No mineral reject generation during RY.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM and graded closing stock: 145 tons.	Found in order.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex Mine Price and cost of production: Rs 300.00/tons.	Appears to be in order.	Nil
9h	Scrutiny of Annual return on fixed assets	Nil	No fixed asset observed.	Nil
9k	Scrutiny of Annual return on mining machineries	Back Hoe.	Back Hoe.	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
MCDR17	Rule 11(1)	18-JAN-24			
MCDR17	Rule 20	18-JAN-24			
MCDR17	Rule 26(2)	18-JAN-24			
MCDR17	Rule 46(a)	18-JAN-24			
MCDR17	Rule 45(7)(a)	18-JAN-24			

Date :

(DILIP JAIN)

Indian Bureau of Mines