

**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 : **P022**) **PANKAJ KULSHRESTHA**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri Bhanwar Lal Bishnoi, Lessee
Official with
Designation
- (iv) Date of Inspection : 18/11/2022
- (v) Prev.inspection date : 22/12/2020

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 : 07/11/2014
- (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 : 06/11/2064
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/ : 25/04/2022
Termination date

Geologist

Name : Narrotum Kumawat, Full Time
Qualification : M.Sc. Geology
Appointment/ : 26/04/2022
Termination date

6. Date of approval of Mining Plan/Scheme of Mining : MP review under 17(1) MCR 2016 02/02/2021

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Total seven bore holes with depth varying from 12 to 19 meters were proposed during the year 2021-22	No exploration carried out during the period.	
1b	Exploration over lease area for geological axis 1 or 2	4.75 hect. .	No exploration carried out during the year 2021-22	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Smt. Savita Kanungo W/o Shri Madan Lal Kanungo, previous lessee	No exploration carried out during the year 2021-22	
1d	Balance area to be explored to bring Geological axis in 1 or 2	4.75 hect. .	Entire area need to be explored throughly.	
1e	Balance reserve as on 01/04/20	Total reserves : 756020 tonnes (121)	Total reserves : 756020 tonnes (121) as no mining carried out during the year 2021-22.	
1f	General remarks of inspecting officers on geology, exploration etc	NA	The lease area needs to be explored throughly by geological mapping and drilling bore holes as per proposals to establish reserves and grade.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	N2756437- N2756641 E210587- E210626	No mining carried out during the year 2021-22	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Nil as no mining carried out during the year 2021-22	
2c	Stripping ratio or ore to OB ratio	NA	Nil, no mining carried out during the year 2021-22.	

2d	Quantity of topsoil generation in m3	Nil	Nil
2e	Quantity of overburden generation in m3	Nil	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NA	The pit has not been developed so far.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	No working pit observed during the inspection.	
3b	Quantity of ROM mineral production proposed	74632 t during the year 2021-22	Nil	
3c	Recovery of sailable/usable mineral from ROM production	Total 2407 cu.m. of reject was estimated during the year 2021-22.	Not applicable as no mining carried out.	
3d	Quantity of mineral reject generation	2407 cu.m. of reject was estimated during the year 2021-22	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	Nil	Not applicable	
3g	Grade of sub grade mineral generation	Nil	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Not applicable as no mininig carried out.	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	No beneficiation study conducted so far.
3j	Provision of drilling and blasting in mineral benches	Controlled blasting for loosening /fragmenting the material from insitu rock formations was proposed.	Nil, as no mining carried out during the year 2021-22.
3k	Provision of mining machineries in mineral benches	Yes, mechanised O/c method of minig from top to bottom was proposed.	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, the bench height of 3 m with width more than 3 m was proposed.	Not applicable.
3m	Total area covered under excavation/pits	it was proposed to cover 0.73 hectare of area under excavation upto end of 2021-22.	No mining carried out.
3n	Ore to OB ratio for the pit/mine during the year.	NA	Nil
3o	Total area put in use under different heads at the end of year	Area under mining : 0.73 ha Waste dump : 0.21 ha Mineral storage : 0.1 ha Mine Road : 0.1 ha Plantation : 0.05 ha	Nil, the lease area is vergin. No mining carried out during the year 2021-22

3p	Production of ROM mineral during the last five year period as applicable	2017-18 : 85800 t 2018-19 : No review of mining Plan 2019-20: No review of mining Plan 2020-21:43524 t 2021-22 :7632 t	Nil production during last five years (201718 to 2021-22)
3q	General remarks of inspecting officers on method of mining etc.	NA	None at present.

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	Not applicable	
4b	Location of topsoil, OB and mineral reject dumps	The dump was proposed near pillar C .	Not applicable.	
4c	Number of dumps within lease area and outside of lease area	One within lease area near pillar c	Not applicable, as no mining carried out	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Within lease area near pillar C.	Not applicable as no mining carried out.	
4e	Number of active and alive dumps.	One	Nil	
4f	Number of dead dumps.	NA	Nil	
4g	Number of dumps established.	NA	Not applicable	
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes it was propose to construct retaining wall near pillar C along proposed dump.	Nil, no mining carried out.	

4i	Length of Retaining wall or garland drain all along dumps	35 meters retaining wall and 35 meters of Garland drain were proposed during the year 2021-22.	Nil
4j	Number of settling ponds	NA	Not applicable
4k	Specific comments of inspecting officer on waste dump management	NA	None at present.

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.	NA	Not applicable.	
5b	Area under backfilling of mined out area	Nil	Not applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	None	Not applicable	
5d	Total area fully reclaimed and rehabilitated	None	Not applicable	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NA	None at present.	

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).	Yes	Not submitted.
6b	Area available for rehabilitation (ha) .	Nil	Not applicable
6c	afforestation done (ha).	50 saplings per year.	Nil
6d	No. of saplings planted during the year	50 Nos.	Nil
6e	Cumulative no .of plants	100 Nos. up to year 2021-22.	Nil
6f	Any other method of rehabilitation	NA	Not applicable
6g	Cost incurred on watch and care during the year	Rs.8500.00	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NA	Not applicable
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	Not applicable
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NA	Not applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	Not applicable

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	Not applicable
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NA	Not applicable
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	Not applicable
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NA	Not applicable
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	No environmental monitoring done as n minnig activity carried out in the lease area.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NA	No work regarding PMCP compliance and progressive closure carried out as lack of mining activity in the lease area.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NA	Nil	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual wit hhhelp of small hammer and chisel	Nil	

7c	Different grade of mineral sorted out at mines.	High grade containing 80-90% CaF ₂ & 5-10% Silica and Low grade containing 10-15% CaF ₂ and about 50-70% Silica	Nil
7d	Any beneficiation process at mines	NA	Not applicable
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NA	None at present.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NA	Nil	
8b	Concurrent use or storage of topsoil	NA	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yese, separate dump for reject proposed.	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	Not applicabe	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	Not applicable.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	It was proposed to plant 50 saplings per year in the review of mining plan approved for the year 2020-21 to 2022-23.	Nil, The area is devoid of Plantation except naturally grown bushes and shrubs
8g	Survival rate	NA	No applicable
8h	Water sprinkling on roads to control airborne dust	NA	Not applicable
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NA	None at present.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	NA	The monthly returns have been submitted by the lessee. But the annual return has not been submitted for the year 2021-22.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	NA	Not applicable	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	NA	Not applicable	

9d	Scrutiny of Annual return on afforestation	NA	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NA	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NA	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NA	Nil
9h	Scrutiny of Annual return on fixed assets	NA	Nil
9k	Scrutiny of Annual return on mining machineries	NA	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

Date :

(PANKAJ KULSHRESTHA)

Indian Bureau of Mines