

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

**MCDR INSPECTION REPORT**

**Ajmer regional office**

**Mine file No :** RAJ/NGR-112/L.ST-12

**Mine code :** 38RAJ20012

- (i) Name of the Inspecting : **DJ03** ) **DILIP JAIN**  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Sh Ganpat Ram, Mine Manger and Mining Engineer  
Official with  
Designation
- (iv) Date of Inspection : 20-SEP-22
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **NAGAU**R (01/2016) **BLOCK-3** (
- (b) **Registration NO.** : **IBM/16679/2013**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : RAJASTHAN
- District : NAGAU
- Village : Deh
- Taluka : Jayal
- Post office : Deh
- Pin Code :
- FAX No. : 022 67692595
- E-mail : Jayakumar.krishnaswamy@nuv
- Phone : 022 67692595
- (f) Police Station : Surpaliya
- (g) First opening date : 13-DEC-21
- (h) Weekly day of rest : SUN
2. Address for : - House No. 18, above Bank of Baroda,  
correspondance Deedwana Road, Nagaur  
PIN: 341001, Rajasthan
3. (a) Lease Number :
- (b) Lease area :
- (c) Period of lease :
- (d) Date of Expiry :
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : EMAMI CEMENT LIMITED  
 15TH FLOOR, ACROPOLIS MALL  
 RAJDANGA MAIN ROAD EAST  
 KOLKATA TOWNSHIP PASCHIM  
 MEDINAPUR WEST BENGAL  
 Phone:03366271307  
 FAX :

Owner : Jaykumar Krishnaswamy  
 NUVista Ltd., Equinox  
 Business park Tower -3,  
 East wing, 4th Floor, LBS  
 Road, Kurla (West), Mumbai  
 MUMBAI (SUBURBAN)  
 MAHARASHTRA  
 Phone:  
 FAX :

Agent : Kanak Kumar Chhangani  
 Signature Tower, DC-2, 09th  
 Floor Behind Apex Bank, Lal  
 Kothi, Tonk Road Jaipur -  
 Rajasthan JAIPUR RAJASTHAN  
 Phone:  
 FAX :

## Mining Engineer

Name : Ganpat Ram, Full Time  
 Qualification : BE mining  
 Appointment/ : 16-SEP-22  
 Termination date

## Geologist

Name : Sh Banti Kumar, Full Time  
 Qualification : M.Tech Applied Geology  
 Appointment/ : 16-SEP-22  
 Termination date

## Manager

Name : Ganpat Ram  
 Qualification : BE Mining  
 Appointment/ : 25-APR-22  
 Termination date

6. Date of approval of Mining :  
 Plan/Scheme of Mining

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal of exploration during the previous year 2020-21.	Not applicable as no proposal.	NIL.
1b	Exploration over lease area for geological axis 1 or 2	No proposal of exploration for reporting year (RY) 2021-22. However, 47 nos of exploratory BHs were proposed in the year 2019-20 to upgrade deposit to G1 level.	No exploration during the reporting year (RY) 2021-22. The exploration proposed during the year 2019-20 has been started since Aug 2022 to complete backlog.	NIL.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Lessee himself or through contractor.	Exploration Work awarded to Ecomen.	NIL.
1d	Balance area to be explored to bring Geological axis in 1 or 2	247.8711 ha. (G3 level)	247.8711 ha. (G3 level)	GoR obtained relaxation in exploration level from G3 to G2 from Central Government.
1e	Balance reserve as on 01/04/20	Reserve and resource of 130.44 and 38.40 million Tonne respectively as on 24/07/2019.	Reserve and resource of 130.44 and 38.40 million Tonne respectively as on 01/04/2022.	Depletion of 20.10 tons.
1f	General remarks of inspecting officers on geology, exploration etc	No proposal of exploration during reporting year.	The exploration proposed during the year 2019-20 has been started since Aug 2022 to complete backlog	GoR obtained relaxation in exploration level from G3 to G2 from central government.

## Development :

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

2a	Location of development w.r.t.lease area	N3016955 to 3017221 & E391358 to 391698.	N3017807 to 3017815 & E392050 to 392060.	Mining operation commenced in the year 2021-22 and deferred due to delay in commencement activities like infrastructure, land acquisition due to Covid-19, mobilization of manpower and stamp duty court case etc.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Topsoil removal through scraping and benches in mineral.	No topsoil and waste generation. Mineral removed from old pits.	NIL.
2c	Stripping ratio or ore to OB ratio	1 : 0.03 m3/m3 (Stripping ratio with top soil)	Nil as no waste and topsoil generation.	NIL.
2d	Quantity of topsoil generation in m3	18,031 m3	No topsoil has been scrapped.	NIL.
2e	Quantity of overburden generation in m3	OB Generation - Nil	No OB/waste generation.	NIL.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Opencast method of development has been proposed.	Development activities yet to start.	Development method proposed is suitable for the kind of deposit

---

**Exploitation:**

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One.	One. Voids/cavity has not been observed during filed visit.	Old pits observed in the lease area.

3b	Quantity of ROM mineral production proposed	13,75,025 tons	20.10 tons (Voids/cavity has not been observed during filed visit).	Less production in account of delayed in commencement of mining operation due to delay in commencement activities like infrastructure and land acquisition due to Covid-19, mobilization of manpower and stamp duty court case etc.
3c	Recovery of sailable/usable mineral from ROM production	5,50,010 tons	20.10 tons	Less production in account of delayed in commencement of mining operation due to delay in commencement activities like infrastructure and land acquisition due to Covid-19, mobilization of manpower and stamp duty court case etc.
3d	Quantity of mineral reject generation	8,25,015 tons	No mineral reject generation during the reporting year. Voids/cavity has not been observed during filed visit.	NIL.
3e	Grade of mineral rejects generation and threshold value declared.	No proposal.	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	Not applicable.	Not applicable.	NIL.
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized. (Crushing and screening).	No segregation during RY due to non-commencement of infrastructure.	No Installation of Crusher and screen.
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	Bench Height - 10 m Hole Diameter -115 mm Burden- 4.5m Spacing -6.0 m Powder Factor - 8 T/Kg	No Drilling & Blasting is carried out during the RY.	NIL.
3k	Provision of mining machineries in mineral benches	Dumper and shovel combination.	Dumper and shovel combination.	NIL.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench height of 10.0 meter has been proposed.	Benches are yet to commence.	NIL.
3m	Total area covered under excavation/pits	10.964 hectare including old pits area	2.784 hectare including old pits area.	2.784 Hectare area of old pits.
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.03 m <sup>3</sup> /m <sup>3</sup> (Stripping ratio with top soil)	Nil as no waste and topsoil generation.	NIL.
3o	Total area put in use under different heads at the end of year	An area of 10.964 hectare by the end of 2022-23.	An area of 2.784 hectare by the end of 2021-22.	NIL.
3p	Production of ROM mineral during the last five year period as applicable	2017-18: NA 2018-19: Nil 2019-20: Nil 2020-21: 10,25,025 tons 2021-22: 13,75,025 tons	2017-18: NA 2018-19: Nil 2019-20: Nil 2020-21: Nil 2021-22: 20.10 tons	Mining operation commenced in the year 2021-22 and deferred due to delay in commencement activities like infrastructure, land acquisition due to Covid-19, mobilization of manpower and stamp duty court case.
3q	General remarks of inspecting officers on method of mining etc.	Opencast method of Mining has been proposed.	No major mining activity in lease area by lessee. However, various old pits observed in lease area.	Method of mining proposed is suitable for 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)	Topsoil and Mineral reject proposed to stack separately and reuse of topsoil for plantation. No proposal of waste/OB generation.	No Topsoil, reject and OB/Waste was generated.	NIL.
4b	Location of topsoil, OB and mineral reject dumps	Mineral Reject - N3016830 to 3016860 and E391275 to 391860	No topsoil and Mineral reject generation.	NIL.
4c	Number of dumps within lease area and outside of lease area	One Top soil Dump & One Reject Dump.	No topsoil and Mineral reject generation.	Few old dumps within lease area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Proposed within UPL.	No waste, mineral reject and top soil generation.	NIL.
4e	Number of active and alive dumps.	Mineral reject: 01 Top Soil: 01	Mineral reject: NIL Top Soil: NIL	Few old dumps within lease area.
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.	Retaining wall proposed along mineral reject stack.	Not constructed as no topsoil and Mineral reject generation.	NIL.
4i	Length of Retaining wall or garland drain all along dumps	Retaining Wall- 360	Retaining Wall- Nil	Not constructed as no topsoil and Mineral reject generation.
4j	Number of settling ponds	No proposal.	Not applicable.	NIL.
4k	Specific comments of inspecting officer on waste dump management	Topsoil and Mineral reject proposed to stack separately and reuse of topsoil for plantation. No proposal of waste/OB generation.	No Topsoil, reject and OB/Waste was generated.	No waste dumping and stacking of top soil & mineral reject during RY.

## 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 on part or full extraction of mineral.	Not applicable as no proposal.	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)	Topsoil proposed to stack and reuse for plantation purpose.	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.	No proposal of part or full extraction of mineral.	Not applicable as no proposal.	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 2021-22 has been submitted.	NIL.
6b	Area available for rehabilitation (ha) .	No proposal.	Not applicable.	NIL.
6c	afforestation done (ha).	1.0 Ha.	NIL.	Violation of rule 11(1) of MCDR, 2017 issued.
6d	No. of saplings planted during the year	1000 number of saplings.	NIL.	Violation of rule 11(1) of MCDR, 2017 issued.
6e	Cumulative no .of plants	Total of 3000 nos by the end of RY.	NIL.	Delay in land acquisition due to Covid-19 pandemic.



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.
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	1000 nos of saplings.	NIL.	Violation of rule 11(1) of MCDR, 2017 issued.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	1.0 Hectare	NIL.	Violation of rule 11(1) of MCDR, 2017 issued.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Plantation.	NIL.	Violation of rule 11(1) of MCDR, 2017 issued for deviation in plantation.

6p	Compliance of environmental monitoring (core zone and buffer zone)	Monitoring as per CPCB/ SPCB Standard	Being done.	NIL.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	An area of 1.0 hectare with 1000 nos of saplings was proposed for plantation.	No plantation during the RY.	Violation of rule 11(1) of MCDR, 2017 issued.

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Processing of ROM through crushing and screening unit. Crusher of 1500 TPH was proposed to install.	ROM dispatch. Crusher yet to install.	NIL.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical.	No grade wise sorting within lease area during RY.	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	ROM proposed to use after crushing and screening.	ROM dispatch. Crusher yet to install.	Crusher yet to install. No issue related to Mineral conservation.

#### Environment:

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

8a	Separate removal and utilization of topsoil (Rule 32)	Topsoil proposed to stack and reuse for plantation purpose.	No topsoil generation.	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)	Separate stacking of reject and topsoil.	No Reject and topsoil generation.	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 1.0 hectare with 1000 nos of saplings was proposed for plantation.	No plantation during the RY.	Violation of rule 11(1) of MCDR, 2017 issued.
8g	Survival rate	No specific proposal.	No plantation during the RY.	Violation of rule 11(1) of MCDR, 2017 issued.
8h	Water sprinkling on roads to control airborne dust	Water sprinkling proposed to control air born dust.	No water sprinkling as limited mining activity.	NIL.

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Total 1000 nos of saplings were proposed to plant in 1.0 hectare area.	No plantation during the RY.	The general aesthetic beauty in and around lease area is satisfactory. Violation of rule 11(1) of MCDR, 2017 issued for deviation in plantation. .
----	------------------------------------------------------------------------------------	------------------------------------------------------------------------	------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------

#### 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 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	Details of Manager and Mining Engineer furnished and details of Geologist were not furnished.	Manager, Mining Engineer and Geologist appointed.	Scrutiny of AR 2021-22.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pits -2.74 Ha., Waste dumps- 0.36 ha. and Infrastructure - 3.023 Ha..	Pits -2.74 Ha., Waste dumps- 0.36 ha. and Infrastructure- 3.023 Ha..	NIL.
9d	Scrutiny of Annual return on afforestation	NIL.	No plantation during RY.	NIL.
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 or graded ore stock: NIL.	ROM produced during the year has been dispatched. No ROM or Graded Ore stock.	NIL.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex Mine Price and cost of production: Rs 490/tons.	Appears in order.	NIL.

9h	Scrutiny of Annual return on fixed assets	NIL.	No fixed asset.	NIL.
9k	Scrutiny of Annual return on mining machineries	Dumper.	Found in order.	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)	21-OCT-22	23-DEC-22			

**Date :**

**(DILIP JAIN)**

Indian Bureau of Mines