

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

**MCDR INSPECTION REPORT**

**Gandhinagar regional office**

**Mine file No :** RAJ/BNSW/LST-06

**Mine code :** 38RAJ03007

- (i) Name of the Inspecting : **DJ03** ) **DILIP JAIN**  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Mr. Manish Kumar Mishra, Mine Manager and Mr. Narende  
Official with  
Designation
- (iv) Date of Inspection : 12-DEC-24
- (v) Prev.inspection date : 05-NOV-19

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **PARTHIPURA**
- (b) **Registration NO.** : **IBM/321/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : RAJASTHAN
- District : BANSWARA
- Village : JHALO KA GARHA
- Taluka : GARHI
- Post office : WAJWANA
- Pin Code : 327025
- FAX No. : 02962301699
- E-mail : skjain@indiacements.co.in
- Phone : 02962301504,02962-250629
- (f) Police Station : Garhi
- (g) First opening date : 05-MAR-10
- (h) Weekly day of rest : SUN
2. Address for : PARTHIPURA LIMESTONE MINE  
correspondance Near Village-Parthipura,Tehsil-Garhi  
Dist-Banswara (RAJ)
3. (a) Lease Number : RAJ1681
- (b) Lease area : 65.82
- (c) Period of lease : 50
- (d) Date of Expiry : 17-JUN-46
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : MAHI CEMENT  
 40,SHARDA NAGAR LINK ROAD  
 BANSWARA BANSWARA RAJASTHAN  
 Phone:  
 FAX :

Owner : Mr. V M Mohan  
 M/s The India Cements 93,  
 Coromandal Tower, Santhome  
 High Road, Karpagam Avenue,  
 Chennai CHENNAI CITY TAMIL  
 NADU  
 Phone:  
 FAX :

Agent : Mr. Yatendra Shah  
 The India Cements Limited  
 Banswara BANSWARA  
 RAJASTHAN  
 Phone:  
 FAX :

Mining Engineer  
 Name : Mr. Dhanpal Nayak,Full Time  
 Qualification : BE Mining  
 Appointment/ : 15-MAY-23  
 Termination date

Geologist  
 Name : Mr. Narender Prakash Nema,Full Time  
 Qualification : M.Sc. Geology  
 Appointment/ : 05-DEC-24  
 Termination date

Manager  
 Name : Mr. Manish Kumar Mishra  
 Qualification : BE Mining  
 Appointment/ : 09-JAN-24  
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	03-JAN-08
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	03-JAN-09
	:	Mining Scheme rule 12 MCDR1988	15-MAY-14
	:	MP modif under 17(3) MCR 2016	21-MAY-18

## 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 previous year i.e. 2022-23.	No exploration during previous year 2022-23.	Nil
1b	Exploration over lease area for geological axis 1 or 2	No proposal of exploration during reporting year i.e. 2023-24.	No exploration during reporting year 2023-24.	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not applicable as no proposal of exploration during RY.	Not applicable as no proposal	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal.	As per approved document dated 23/11/2020, entire potentially mineralized area of 32.63 hectare has been explored under G1 level of exploration and Non- Mineralized area is 33.19 hectare.	Nil
1e	Balance reserve as on 01/04/20	The position of reserve and resource as per approved document dated 23/11/2020 was 41.645 and 45.345 million tons respectively.	The position of reserve and resource as on 01/04/2024 was 36.90 and 45.345 million tons respectively.	Nil
1f	General remarks of inspecting officers on geology, exploration etc			Geologically the area belongs to Aravali Super group of rock. Total potentially mineralized area is about 32.63 hectare has been explored under G1 level of exploration and Non- Mineralized area is 33.19 hectare.

## Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Development proposed between grid 585S to 1515S and 1002E to 1286E.	The development was carried out within the approved limit.	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal of top soil generation. Development has been proposed in 9 benches (4 OB and 5 mineral).	As per proposal.	Nil
2c	Stripping ratio or ore to OB ratio	1:0.098CuM/CuM	1:0.062CuM/CuM	Violation of rule 11(1) of MCDR 2017 issued for deviation in stripping ratio vide letter dated 03/02/2025.
2d	Quantity of topsoil generation in m3	No proposal.	Top spoil has not been generated during the RY.	Nil
2e	Quantity of overburden generation in m3	60936 M3	33617.40 M3	Violation of rule 11(1) of MCDR 2017 issued for deviation in Waste generation vide letter dated 03/02/2025.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Development has been carried out within the approved limit for the RY, however, development in waste has not been carried out as per proposal. Violation of less waste generation and deviation in stripping ratio has been issued vide letter dated 03/02/2025.

## 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	1551073 MT	1347996.67 MT	Nil
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	Nil
3d	Quantity of mineral reject generation	No proposals of mineral reject generation.	Mineral Reject has not been generated during RY.	Nil
3e	Grade of mineral rejects generation and threshold value declared.	No proposal.	Not applicable.	Nil
3f	Quantity of sub grade mineral generation.	No proposals of sub-grade generation.	Su-grade has not been generated during RY.	Nil
3g	Grade of sub grade mineral generation	No proposal.	Not applicable.	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal of segregation. Sizing of ROM through crushing and screening.	As per proposal.	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	Drilling is proposed with 9 mts depth, 3.5 meter spacing and 3 meter burden.	Drilling and blasting as per proposal.	Blasting operations are being carried out in a controlled manner with multiple delays using NONEL (Non Electrical Initiation System) to minimize ground vibrations & fly rock.
3k	Provision of mining machineries in mineral benches	Shovel and dumper combination.	Mining is being done by mechanized method, using shovel, tipper combination.	Nil

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of the benches has been proposed to 9 meter in OB and Mineral.	Heights of the benches are being maintained to 9 meters in OB and Mineral.	Nil
3m	Total area covered under excavation/pits	27.785 hectare at the end of the plan period i.e. 2025-26.	26.99 hectare at the end of the plan period i.e. 2024-25.	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1:0.098CuM/CuM	1:0.062CuM/CuM	Violation of rule 11(1) of MCDR 2017 issued for deviation in stripping ratio vide letter dated 03/02/2025.
3o	Total area put in use under different heads at the end of year	37.790 hectare at the end of the plan period i.e. 2025-26.	35.814 hectare at the end of the plan period i.e. 2024-25.	Nil
3p	Production of ROM mineral during the last five year period as applicable	2018-19:1550137.00 2019-20:1550540.00 2020-21:1552035.00 2021-22:1550074.00 2022-23:1551073.00 2023-24:1551791.00	2018-19:1328920.43 2019-20:1237341.16 2020-21:1083643.12 2021-22:1276848.43 2022-23:1389284.17 2023-24:1347996.67	All figures in tons.
3q	General remarks of inspecting officers on method of mining etc.			Open cast method with use of HEMM is being used for carrying out mining operations in the lease area which is best suitable method of mining for type of the deposit for optimum extraction of ore.

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#### Solid Waste Management - Dumping:

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Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal of top soil generation. Separate dumping of waste/OB.	No top soil generation during RY. Waste generated during RY is stacked separately.	Nil
4b	Location of topsoil, OB and mineral reject dumps	Dumping of the waste was proposed over NE waste dump.	Dumping of the waste within the approved limits and as per proposal.	Out of two dumps dumping of the waste was proposed over NE dump.
4c	Number of dumps within lease area and outside of lease area	Two waste dump within lease area and no waste dump outside lease area.	Two waste dump within lease area and no waste dump outside lease area.	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Out Side Ultimate Pit Limit.	Out Side Ultimate Pit Limit.	Nil
4e	Number of active and alive dumps.	Two	Two	Out of two dumps dumping of the waste was proposed over NE dump.
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.	Proposal of retaining wall and garland drain has been given.	Retaining wall and garland drain has been observed.	Nil
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall: 185 m and Garland drain: 185m	Retaining wall: 186 m and Garland drain: 186m	Nil
4j	Number of settling ponds	No proposal.	Not applicable.	Nil
4k	Specific comments of inspecting officer on waste dump management			Waste dump management is being carried out as per proposal and no issue has been observed regarding waste dumping.

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Solid Waste Management - Backfilling:

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Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No proposal of part or full extraction.	The pit is active hence there was no proposal for back filling.	Nil
5b	Area under backfilling of mined out area	No proposal of backfilling.	The pit is active hence there was no proposal for back filling.	Mined out area of 0.036 hectare has already been reclaimed and rehabilitated in past.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal of top soil generation.	Top soil has not been generated during the RY.	Nil
5d	Total area fully reclaimed and rehabilitated	No proposal of reclamation and rehabilitation during RY.	None of the pit area matured for reclamation and rehabilitation during RY.	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.			None of the pit area matured for reclamation and rehabilitation, hence, no proposal of backfilling and rehabilitation.

#### 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(2) of MCDR, 2017, PMCP report to be submitted for previous year by 1st July.	Annual PMCP report for reporting year i.e., 2023-24 has been submitted	Nil
6b	Area available for rehabilitation (ha) .	No proposal.	Not applicable.	Nil
6c	afforestation done (ha).	An area of 0.04 Hectare proposed for plantation during RY.	An area of 0.04 Hectare has been planted during RY.	Nil
6d	No. of saplings planted during the year	50 nos during RY	70 nos during RY.	Nil



6e	Cumulative no .of plants	No specific proposal.	2519 nos at the end of the RY.	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 during RY.	70 nos during RY.	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	An area of 0.04 Hectare proposed for plantation during RY.	An area of 0.04 Hectare has been planted during RY.	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)	Proposal has been given for environment monitoring.	The Environmental Monitoring (Core & Buffer Zone) is being done regularly. Few reports have been checked and parameters are found within permissible limit	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			The PMCP compliance is satisfactory.

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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral dispatch.	ROM mineral dispatch.	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal of grade wise sorting. Sizing of ROM through crushing and screening.	As per proposal.	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 issues related to mineral conservation observed.

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## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal of top soil generation.	Top soil has not been generated during RY.	Nil
8b	Concurrent use or storage of topsoil	Not applicable as no proposal of top soil generation during RY.	Not applicable.	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumps for waste. No proposal for rejects & fines generation.	Separate dump for waste.	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	Not applicable.	Mined out area of 0.036 hectare has already been reclaimed and rehabilitated in past.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	An area of 0.04 hectare with 50 numbers of saplings has been proposed to plant during RY.	An area of 0.04 hectare with 70 number of saplings have been planted during RY.	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	50 nos during RY.	70 nos during RY.	Nil
8g	Survival rate	No proposal.	90%	Nil
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul roads to control air born dust is proposed.	Water sprinkler being used at mine.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The aesthetic beauty in and around mine is maintained.

## 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	Manager:- Mr. M.K. Mishra Mining Engineer:- Mr. Dhanpal Nayak Geologist:- Chandrashekhar Sharma	Mining Engineer, Mine Manager and Geologist has been appointed.	Mr. Narender Prakash Nema has been appointed as a geologist on 05/12/2024.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit :- 26.99 ha Reclaimed : 0.036 ha Waste dump: 4.921 ha Infra & Road: 2.363 ha Afforest. : 1.504 ha	The information on land use furnished appears in order.	Nil
9d	Scrutiny of Annual return on afforestation	Plantation: Within Lease: 70 nos. sapling and outside lease: 1052 nos. sapling .	The information of plantation is found in order.	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Mineral Reject generation reported as NIL	No mineral reject generation during RY.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM and Graded stock: NIL	Appears 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. 248.21 per ton.	The information of Ex-mine price and cost of production furnished appears in order.	Nil
9h	Scrutiny of Annual return on fixed assets	Fixed asset value: Rs. 11313090/-	Appears in order.	Nil

9k	Scrutiny of Annual return on mining machineries	Back Hoe, Dozer, Rock Drill, Tipper, Water Tanker, air compressor etc.	The information of mining machinery furnished appears in order.	Nil
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**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)	03-FEB-25			

**Date :**

**(DILIP JAIN)**

Indian Bureau of Mines