

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

MCDR INSPECTION REPORT

Gandhinagar regional office

Mine file No : RAJ/BNSW/LST-06

Mine code : 38RAJ03007

- (i) Name of the Inspecting : **G021**) **DATA RAM GURJAR**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Sh. Manish Kr Mishra, Mine Manager & HOD(Mines)
Official with
Designation
- (iv) Date of Inspection : 09-JAN-24
- (v) Prev.inspection date : 26-JUL-22

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PARTHIPURA**
- (b) **Registration NO.** : **IBM/613/2011**
- (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 : **bans_mines@indiacements.co**
- Phone : **02962301504,02962-250629**
- (f) **Police Station** : **Garhi**
- (g) **First opening date** : **05-MAR-10**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **PARTHIPURA LIMESTONE MINE**
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** : **18-JUN-46**
4. **Mineral worked** : **LIMESTONE** **Main**

5. Name and Address of the

Lessee : India Cements Limited
 93, Coromandal Tower,
 Santhome High Road,
 Karapagam Avenue, Raja
 Annamalaipuram, Chennai
 UNIDENTIFIED TAMIL NADU
 Phone:02962301516
 FAX :02962-301699

Owner : V M Mohan
 The India Cements,93,
 Coromandal Tower,Santhome
 High Road, Karpagam
 Avenue,Raja Annamalaipuram
 CHENNAI CITY TAMIL NADU
 Phone: 044-28521526
 FAX : 044-28520639

Agent : Yatendra Shah
 The India Cements Limited
 P.O. Vajwana, Tehsil Garhi,
 BANSWARA RAJASTHAN
 Phone: 02962-301421
 FAX : 02962-301699

Mining Engineer

Name : KISHOPR KUMAR MOORJANI,Full Time
 Qualification : B.E.(MINING)
 Appointment/ : 06-APR-15 14-MAY-23
 Termination date

Geologist

Name : Chandrashekhhar Sharma,Full Time
 Qualification : M Sc Geology
 Appointment/ : 23-JAN-23
 Termination date

Geologist

Name : P. Padmaraju,Full Time
 Qualification : MSC GEOLOGY
 Appointment/ : 17-JUN-19 21-JAN-23
 Termination date

Manager

Name : Manish Kumar Mishra
 Qualification : BE(Mining)
 Appointment/ : 03-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
		MP review under 17(1) MCR 2016	23-NOV-20

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No backlog of previous year i.e. 2021-22.	None	Nil
1b	Exploration over lease area for geological axis 1 or 2	No exploration proposal during the year 2022-23.	None during the year 2022-23.	Entire ML area has been explored under G1 Level. Mineralized area- 32.63ha and Non-Mineralized area- 33.19ha.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No exploration proposal during the year 2022-23.	Not applicable.	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal of exploration during the year 2022-23.	None during the year.	Entire ML area has been explored under G1 Level. Mineralized area- 32.63ha and Non-Mineralized area- 33.19ha.
1e	Balance reserve as on 01/04/20	No such proposal given.	Balance reserves as on 01.04.2022 38.25 Million tonnes	Nil
1f	General remarks of inspecting officers on geology, exploration etc			No issue observed related to geology & exploration.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Local Grid : 445S to1541S & 994E to 1241E	Within proposed limit.	Mine development has been carried out within proposed limit.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes, as per proposal	Nil
2c	Stripping ratio or ore to OB ratio	Year 2022-23: 1:0.123	Year 2022-23: 1:0.036	Nil

2d	Quantity of topsoil generation in m3	2022-23: 951cum	2022-23: 451cum	Nil
2e	Quantity of overburden generation in m3	2022-23: 76108 M3	2022-23: 20354.08 M3	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mine development is being carried out as per proposal.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01 pit	01 pit	Nil
3b	Quantity of ROM mineral production proposed	2022-23: 1551073 tonnes	2022-23: 1389284.17 tonnes	Nil
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	Nil
3d	Quantity of mineral reject generation	No mineral reject generation proposal.	No mineral reject generated.	Nil
3e	Grade of mineral rejects generation and threshold value declared.	No mineral reject generation proposal.	Not applicable	Nil
3f	Quantity of sub grade mineral generation.	No subgrade mineral generation proposal.	No subgrade mineral generated.	Nil
3g	Grade of sub grade mineral generation	No subgrade mineral generation proposal.	Not applicable.	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	None	Nil

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	None	Nil
3j	Provision of drilling and blasting in mineral benches	Yes, Drilling & blasting was proposed.	As per proposal.	Nil
3k	Provision of mining machineries in mineral benches	Yes, Mining is being done by mechanized method, using shovel, tipper combination.	Yes, 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	Yes	Yes	Nil
3m	Total area covered under excavation/pits	27.785 hect.	26.50 hect.	Nil
3n	Ore to OB ratio for the pit/mine during the year.	Year 2022-23: 1:0.123	Year 2022-23: 1:0.036	Nil
3o	Total area put in use under different heads at the end of year	37.790 ha	35.233 ha	Nil
3p	Production of ROM mineral during the last five year period as applicable	2018-19:1550137T 2019-20:1550540T 2020-21:1552035T 2021-22:1550074T 2022-23:1551073T 2023-24:1551791T	2018-19:1328920.430T 2019-20:1237341.160T 2020-21:1083643.120T 2021-22:1276848.430T 2022-23:1389284.17T 2023-24:991976.95T (till Dec. 2023)	Nil
3q	General remarks of inspecting officers on method of mining etc.			Open cast mechanised method of mining with use of HEMM which is best suited to the type of deposit.

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	Yes as per proposal	Nil
4b	Location of topsoil, OB and mineral reject dumps	Topsoil:- 803S to 855S and 1300 E to 1353E, OB-1:-275S to 422S and 940E to 1044E, OB-2:-127S to 800S and 1200E to 1410E	Within proposed limit.	Nil
4c	Number of dumps within lease area and outside of lease area	Two waste dump & one soil stakcing within lease area	Two waste dump & one soil stakcing within lease area	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside of Ultimate Pit Limit	Outside of Ultimate Pit Limit	Nil
4e	Number of active and alive dumps.	02 waste dumps	02 waste dumps	Nil
4f	Number of dead dumps.	No proposal	None	Nil
4g	Number of dumps established.	No proposal	None	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	As per proposal	Nil
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall & Garland Drain- 185m	Retaining wall & Garland Drain- 190m	Nil
4j	Number of settling ponds	One	One	Nil
4k	Specific comments of inspecting officer on waste dump management			No issue observed related to waste dump management.

Solid Waste Management - Backfilling:

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.	Full extraction of mineral.	No area become fully matured for backfilling.	Nil
5b	Area under backfilling of mined out area	No proposal	None	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Plantation	Plantation	Nil
5d	Total area fully reclaimed and rehabilitated	No such proposal given	None during the year	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No matured area for backfilling & reclamation.

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).	Yes	Yes, submitted on time.	Nil
6b	Area available for rehabilitation (ha) .	2022-23: 0.04 hect.	2022-23: 0.04 hect.	Nil
6c	afforestation done (ha).	2022-23: 0.04 hect.	2022-23: 0.04 hect.	Nil
6d	No. of saplings planted during the year	2022-23: 50 nos.	2022-23: 68 nos.	Nil
6e	Cumulative no .of plants	Not specified	2670 nos. up to year 2022-23.	Nil
6f	Any other method of rehabilitation	No proposal	None	Nil
6g	Cost incurred on watch and care during the year	Rs. 5 lakhs	Rs. 4.52 lakhs	Nil

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	None	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	None	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal	None	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	However rain water was accumulated at Pit bottom.	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	None	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	0.04 hect.	0.04 hect.	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.04 hect.	0.04 hect.	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)	Monitoring proposed	Regular monitoring is being carried out.	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 dispatched to captive cement plant.	All ROM mineral dispatched to captive cement plant.	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	None	Nil
7c	Different grade of mineral sorted out at mines.	No proposal	None	Nil
7d	Any beneficiation process at mines	No proposal	None	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No issue observed related mineral conservation.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Yes	Nil

8b	Concurrent use or storage of topsoil	Concurrent use of top soil for plantation.	Concurrent use of top soil for plantation.	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes as per proposal	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)	During the year 2022-23 total 50 nos. sapling proposed.	During the year 2022-23 total 68 nos. sapling planted.	Nil
8g	Survival rate	Not specified	90%	As per AR 2022-23.
8h	Water sprinkling on roads to control airborne dust	Proposed	Water sprinkling was observed during the inspection.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The general aesthetic beauty in and around mine area is satisfactory.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Monthly return shall be submitted up to 10 day of month in respect of previous month. Annual return shall be submitted up to 1st July for the previous financial year.	Monthly retrun submitted up to Jan 2024. Annual return submitted up to year 2022-23.	Timely submission.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager:- Mr. Kishor Kumar Moorjani ME:- Mr. Kishor Kumar Moorjani Geologist:- Chandrashekhar Sharma	Deails are correct.	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit :- 26.50ha Reclaimed : 0.036 ha Waste dump: 4.906 ha Infra & Road: 2.363ha Afforest. : 1.464ha Total :- 35.269 ha	Seems to be correct.	Nil
9d	Scrutiny of Annual return on afforestation	Total plantation: 168 nos.(within lease) Survival rate :-90%	Seems corrected	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No reject generation	Details are correct.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM & Cement Grade Stock- Nil	Seems corrected.	Nil

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Production Cost-Rs. 248 per ton	Seems corrected	Nil
9h	Scrutiny of Annual return on fixed assets	Value of fixed assets reported- 11731299/-	Seems corrected	Nil
9k	Scrutiny of Annual return on mining machineries	Deatils given	Found corrected	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

Date :

(DATA RAM GURJAR)

Indian Bureau of Mines