

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/CHR/LST-14

Mine code : 38RAJ09014

- (i) Name of the Inspecting : **G021**) **D R GURJAR**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sh. Girish Shringi, Mine Manager & Sh. O.P. Rajpurohi
Official with
Designation
- (iv) Date of Inspection : 20-JUL-23
- (v) Prev.inspection date : 30-JUL-22

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **DHANORA (73/2011)**
- (b) **Registration NO.** : **IBM/226/2011**
- (c) **Category** : **A Fully Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **RAJASTHAN**
- District : **CHITTORGARH**
- Village : **DHANORA**
- Taluka : **Nimbahera**
- Post office : **Nimbahera**
- Pin Code : **312601**
- FAX No. : **01477-307333**
- E-mail : **info@wondercement.com**
- Phone : **01477-307000**
- (f) **Police Station** : **Nimbahera**
- (g) **First opening date** : **27-APR-18**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **R.K. Nagar, Tehsil-Nimbahera**
District-Chittorgarh(Raj) 312 601
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 : WONDER CEMENT LTD.
R K NAGAR NIMBAHERA
CHITTORGARH RAJASTHAN
Phone:01477-307000
FAX :01477-307333

Owner : P. Patidar
R. K. Nagar, Nimbahera
CHITTORGARH RAJASTHAN
Phone: 01477 307000
FAX : 01477 307333

Agent : Nitin Jain
R, K, Nagar, Nimbahera
CHITTORGARH RAJASTHAN
Phone: 01477277333
FAX : 01477277777

Mining Engineer
Name : Shubham Jakhar, Full Time
Qualification : BE Mining
Appointment/ : 09-NOV-22 20-FEB-23
Termination date

Mining Engineer
Name : Sachin Patel, Full Time
Qualification : BE Mining
Appointment/ : 21-FEB-23
Termination date

Mining Engineer
Name : Nagendra Singh, Full Time
Qualification : BE(Mining)
Appointment/ : 18-SEP-18 08-NOV-22
Termination date

Geologist
Name : O P Rajpurohit, Full Time
Qualification : M.Sc. (Tech.) Geology
Appointment/ : 01-MAY-18
Termination date

Manager
Name : Girish Shringi
Qualification : Mining Engineer
Appointment/ : 25-APR-18
Termination date

6. Date of approval of Mining Plan/Scheme of Mining : MP modif under 17(3) MCR 2016 30-AUG-19
MP review under 17(1) MCR 2016 13-DEC-22

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 2021-22.	None	Nil
1b	Exploration over lease area for geological axis 1 or 2	No proposal of exploration during the year 2022-23.	None during the reporting year 2022-23.	Exploration drilling has already been carried for G1 level in the entire lease area during the year 2018-19 & 2019-20.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Nil	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal during the year 2022-23.	Not applicable	Exploration drilling has been carried for G1 level in the entire lease area during the year 2018-19 & 2019-20. No balance area remain to be explored. Mineralised area 143.81Ha. Non-Mineralised area 111.1932Ha.
1e	Balance reserve as on 01/04/20	No specific proposal in this regard.	Reserves as on 31.03.2023 111-156.141 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
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2a	Location of development w.r.t.lease area	2022-23: 200N to 1160N 500W to 20W	2022-23: 280N to 980N 230W to 126E	Some deviation in proposed mine development location during the year 2022-23 was observed, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 02.08.2023.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes as per proposal.	Nil
2c	Stripping ratio or ore to OB ratio	1:0	1:0.018	ROM-Ton & OB-cum
2d	Quantity of topsoil generation in m3	2022-23: 4447 cum	2022-23: 4216.88 cum	Nil
2e	Quantity of overburden generation in m3	2022-23: No OB/waste generation proposal given.	2022-23: 42923.13 cum	During the year 2022-23, no OB/waste generation proposal given whereas 42923.13 cubic meter waste generated , hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 02.08.2023.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	(1)Some diviation in proposed mine development location during the year 2022-23 was observed, hence violation of Rule 11(1) of MCDR 2017 is being issued vide letter dated..... (2)During the year 2022-23, no OB/waste generation proposal given whereas 42923.13 cubic meter waste generated , hence violation of Rule 11(1) of MCDR 2017 is being issued vide letter dated.....
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Year 2022-23: One	Year 2022-23: One	Nil
3b	Quantity of ROM mineral production proposed	2022-23: 5000000 T	2022-23: 2394768.07 T	Nil
3c	Recovery of sailable/usable mineral from ROM production	2022-23: 5000000 T	2022-23: 2394768.07 T	Nil
3d	Quantity of mineral reject generation	No Proposal in the RY 2022-23.	Not generated during the RY.	Nil
3e	Grade of mineral rejects generation and threshold value declared.	No proposal of mineral reject generation	Not applicable	Nil
3f	Quantity of sub grade mineral generation.	No proposal	No generation.	Nil
3g	Grade of sub grade mineral generation	No proposal	Not applicable	Nil

3h	Manual / Mechanised method adopted for segregating from ROM	No segregation proposed	Not applicable	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, provision of deep hole drilling and blasting.	As per proposal	Nil
3k	Provision of mining machineries in mineral benches	Yes, HEMM excavator & dumpers will be deployed.	As per proposal	As per proposal
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes as per proposal	Nil
3m	Total area covered under excavation/pits	At the end of year(2022-23) total 27.038 hect. area will be covered under pit.	Pit- 14.56 hect.	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1:0		Nil
3o	Total area put in use under different heads at the end of year	At the end of plan period(up to 2022-23) total area will be use as follows: Pit-27.038 hect, Infrastructe- 6.727 hect. etc.	At the end of year 2022- 23 total area has been used as follows: Pit-14.56 hect., Infrastructe-5.5 hect. etc.	Nil

3p	Production of ROM mineral during the last five year period as applicable	Production of ROM mineral during last five-year period, as applicable 2018-19: 1250000 T 2019-20: 2500000 T 2020-21: 5000000 T 2021-22: 5000000 T 2022-23: 5000000 T 2023-24: 5000000 T	Production of ROM mineral during last five-year period, as applicable 2018-19: 237.77 T 2019-20: Nil 2020-21: 482758.33 T 2021-22: 1796390.59 T 2022-23: 2394768.07 T 2023-24: 624290.88 T (up to June 2023)	Nil
3q	General remarks of inspecting officers on method of mining etc.			The proposed mining method which is fully mechnised opencast mining method which is suiatable 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)	There is no OB & Mineral reject generation proposal given , top soil will be simulatnously used for plantation.	No mineral reject generated during the RY. Top soil simultaneously used for plantation. No OB/ waste dumping observed as OB/waste generated during the year used for making Crusher Ramp in lease area.	Nil
4b	Location of topsoil, OB and mineral reject dumps	No proposal of dumping of top soil, OB & Mineral reject.	No mineral reject generated during the RY. Top soil simultaneously used for plantation. No OB/ waste dumping observed as OB/waste generated during the year used for making Crusher Ramp in lease area.	Nil
4c	Number of dumps within lease area and outside of lease area	No proposal	None	Nil

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No waste dump proposal	None	Nil
4e	Number of active and alive dumps.	No proposal	None	Nil
4f	Number of dead dumps.	No proposal	Nil	Nil
4g	Number of dumps established.	No proposal	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	Nil	Nil
4i	Length of Retaining wall or garland drain all along dumps	No proposal	None	Nil
4j	Number of settling ponds	No proposal	None	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
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No proposal of backfilling.	Nil	This is new mine.
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)	For plantaion.	For plantaion.	Nil
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	This is new mine under developing stage.

5e	General remarks of inspecting officers on backfilling and reclamation etc.	This is new mine and year 2018-19 is the first year. Land acquisition is under process hence backfilling & reclamation is not applicable in this case at this stage.
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Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yes, submitted.	Submitted for the year 2022-23.	Timely submission.
6b	Area available for rehabilitation (ha) .	2022-23: 0.6 hect.	2022-23: 0.48 hect.	Nil
6c	afforestation done (ha).	2022-23: 0.6 hect.	2022-23: 0.48 hect.	During the year 2022-23, plantation has been carried out over 0.48 hect. area against the proposal of 0.6 hect. area. Further Plantation during the year 2022-23 has not been carried out on proposed location, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 02.08.2023.
6d	No. of saplings planted during the year	2022-23: 600 nos.	2022-23: 1265 nos.	Nil
6e	Cumulative no .of plants	Not specified	5322 nos.	Up to year 2022-23.
6f	Any other method of rehabilitation	No proposal	Nil	Nil
6g	Cost incurred on watch and care during the year	Not specified	During the year 2022-23, Total Rs. 7.59 lakhs for watch and care	Nil

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	2022-23: 0.6 hect.	2022-23: 0.48 hect.	During the year 2022-23, plantation has been carried out over 0.48 hect. area against the proposal of 0.6 hect. area. Further Plantation during the year 2022-23 has not been carried out on proposed location, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 02.08.2023.

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	2022-23: 0.6 hect. by plantation	2022-23: 0.48 hect. by plantation	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)	As per EC guidelines.	Environmental monitoring is being carried out.	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			During the year 2022-23, plantation has been carried out over 0.48 hect. area against the proposal of 0.6 hect. area. Further Plantation during the year 2022-23 has not been carried out on proposed location, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 02.08.2023.

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	Not applicable.	Nil
7c	Different grade of mineral sorted out at mines.	No proposal	Not applicable.	Nil

7d	Any beneficiation process at mines	No proposal	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No issues were observed related to mineral conservation.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Yes as per proposal.	Nil
8b	Concurrent use or storage of topsoil	Concurrent use in plantation.	Concurrent use in plantation.	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No OB/waste/reject generation proposal	No reject generated during the RY 2022-23. The OB/waste generated during thr RY used for making crusher ramp within lease area.	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 during the year 2022-23.	None during the year 2022-23.	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	600 nos. plantation was proposed during the year 2022-23.	1265 nos. sapling planted during the year 2022-23.	Nil

8g	Survival rate	Not specified	72.33 %	As reported in AR 2022-23.
8h	Water sprinkling on roads to control airborne dust	Proposed.	Observed during the inspection.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around the mines area is good.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	As per provisions of Rule 45 of MCDR 2017, every mine owner to submit monthly & annual returns of mine.	Timely submsiion of monthly & anuual returns.	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details given Annaul return 2022-23 Sh. Sachin Patel-Mining Enginner Sh O.P. Rajpurohit-Geologist Sh. Girish Shringi-Mine Manager	Found correct.	AR 2022-23
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit - 14.56 Hect. Plant, Building,Roads & other infrastructure -5.5 Hect. Plantation- 1.52 Hect	Seems corrected.	AR 2022-23
9d	Scrutiny of Annual return on afforestation	Tress -1265 Nos (Survival Rate - 72.33%)	Seems corrected.	AR 2022-23

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No reject reported in return.	No reject generated during the year 2022-23.	AR 2022-23
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM Stock-Nil	Found corrected.	AR 2022-23.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex mine price & Production Cost- 273.88 Rs /T	Seems corrected.	Limestone used in captive cement plant
9h	Scrutiny of Annual return on fixed assets	Rs. 593520539	Seems corrected	AR 2022-23
9k	Scrutiny of Annual return on mining machineries	Details of mine machineries given	Seems corrected	AR 2022-23.

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)	02-AUG-23			

Date :

(D R GURJAR)

Indian Bureau of Mines