

**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 : 30-JUL-22
- (v) Prev.inspection date : 28-JUL-21

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 : R.K. Nagar, Tehsil-Nimbahera
correspondance : 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 : S. M. Joshi
R. K. Nagar, Nimbahera
CHITTORGARH RAJASTHAN
Phone: 01477 307000
FAX : 01477 307333

Mining Engineer

Name : Nagendra Singh, Full Time
Qualification : BE (Mining)
Appointment/ : 18-SEP-18
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

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 2020-21.	None	Exploration drilling has already been carried for G1 level in the entire lease area during the year 2018-19 & 2019-20.
1b	Exploration over lease area for geological axis 1 or 2	No proposal of exploration during the year 2021-22.	None during the reporting year 2021-22.	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 2021-22.	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.	As per approved modified mining plan (approved on 30.08.2019) Balance reserves as on 01.04.2022 122 -131.3 million tonnes.	Nil
1f	General remarks of inspecting officers on geology, exploration etc			Exploration drilling for entire lease area up to G1 level has been carried out during the year 2018-19 & 2019-20 and geological report submitted to this office.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	2021-22: 280 N to 1128 N 63 W to 346 W	Within proposed limit.	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes, benches in mineral only.	Yes as per proposal	Nil
2c	Stripping ratio or ore to OB ratio	1:0	1:0	Nil
2d	Quantity of topsoil generation in m3	2021-22: 10311 CUM	2021-22: 13303 CUM	Nil
2e	Quantity of overburden generation in m3	No proposal during the year 2021-22.	None during the reporting year.	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mining Lease was executed on 06.04.2018. Mine development has been carried out within proposed limit, however crusher installation was proposed between local grid 810S to 720S & 620E to 750E whereas actual crusher installation work is going between local grid 615S to 735S & 125E to 255E, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 06.09.2022.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Year 2021-22: One	Year 2021-22: One	Nil

3b	Quantity of ROM mineral production proposed	2021-22: 50,00,000 T	2021-22: 1796390.59 T	This is new mine executed on 06.04.2018.
3c	Recovery of sailable/usable mineral from ROM production	2021-22: 50,00,000 T	2021-22: 1796390.59 T	Nil
3d	Quantity of mineral reject generation	No Proposal	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	Nil
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 IV year(2021-22) total 24.816 Ha. hect. area will be covered under pit.	Pit- 8.10 Ha	Land acquisition under progress.
3n	Ore to OB ratio for the pit/mine during the year.	1:0	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 2021-22 total area has beeb used as follows: Pit-8.10 hect, Infrastructe-4.457 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	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: 558899.60 T (up to June 2022)	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 suiatble to the type of deposit.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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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 OB & mineral reject generated during the RY. Top soil simultaneously used for plantation.	Nil
4b	Location of topsoil, OB and mineral reject dumps	No proposal of dumping of top soil, OB & Mineral reject.	No OB & Mineral reject generated during the year 2021-22. Top soil simultaneously used for plantation.	Nil
4c	Number of dumps within lease area and outside of lease area	No proposal	Nil	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No waste dump proposal	Not applicable.	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 along the dumps given	Not applicable as no proposal of waste dumps.	Nil
4j	Number of settling ponds	No proposal	None	Nil
4k	Specific comments of inspecting officer on waste dump management			No waste generation was proposed during the year 2021-22 & no waste was generated, hence no waste dump managemnt required.

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.	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 acquaisation is under process hence backfilling & reclmation is not applicable in this case at this stage.

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, submitted.	Submitted for the year 2021-22.	Nil
6b	Area available for rehabilitation (ha) .	2021-22: 0.6 hect.	2021-22: 0.94 hect.	Nil

6c	afforestation done (ha).	2021-22: 0.6 hect.	2021-22: 0.94 hect.	However plantation during the year 2021-22 has not been carried out on proposed location, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 06.09.2022.
6d	No. of saplings planted during the year	2021-22: 600 nos.	2021-22: 3861 nos.	Nil
6e	Cumulative no .of plants	Not specified	4057 nos.	Up to year 2021-22.
6f	Any other method of rehabilitation	No proposal	Nil	Nil
6g	Cost incurred on watch and care during the year	Not specified	Dirng the year 2021-22, Total Rs. 10,30,000/- including cost of 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)Afforestati 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	2021-22: 0.6 hect.	2021-22: 0.94 hect.	However plantation during the year 2021-22 has not been carried out on proposed location, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 06.09.2022.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	2021-22: 0.6 hect. by plantation	0.94 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.			Plantation during the year 2021-22 has not been carried out on proposed location, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 06.09.2022.

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 OB/waste/ reject generated during the year 2021-22.	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	Not applicable as no generation.	Nil

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal during the year 2021-22.	None during the year 2021-22.	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	600 nos. plantation was proposed during the year 2021-22.	3861 nos. sapling planted during the year 2020-21.	Nil
8g	Survival rate	Not specified	83.52%	Nil
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	M.R Submitted up to July 2022 A.R. submitted for year 2021-22	Timely submsiion of returns.	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Annaul return Sh. N. S. Rathore-Mining Enginner Sh O.P. Rajpurohit-Geologist Sh. Girish Shringi-Mine Manager	Found correct.	Nil

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit - 8.100 Hect. Plant, Building,Roads & other infrastructure s -4.457 Hect. Plantation- 1.040 Hect	Seems corrected.	Nil
9d	Scrutiny of Annual return on afforestation	Tress - 3861 Nos (Survival Rate - 83.52%)	Seems corrected.	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No reject reported in return.	No reject generated during the year 2021-22.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM Stock-Nil Graded Ore Stock-Nil	Found corrected.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex mine price & Production Cost- 274.50 Rs /T	Seems corrected.	Limestone used in captive cement plant
9h	Scrutiny of Annual return on fixed assets	Details given	Seems corrected	Nil
9k	Scrutiny of Annual return on mining machineries	Details given	Seems 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
MCDR17	Rule 11(1)	06-SEP-22			

Date :**(D R GURJAR)**

Indian Bureau of Mines