

**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. M.K. Bokadia, HOD(Mines)
Official with
Designation
- (iv) Date of Inspection : 19-DEC-20
- (v) Prev.inspection date : 18-JUL-19

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	In year 2018-19 by way of drilling 28 holes & total 1400 meterage	Year 2018-19 By WCL 5 Nos. holes, 397.15m & By CDA 30 Nos. Holes, 1686.0m Total 35 Nos. holes 2083.15m	No backlog of year 2018-19. Mining Lease was executed on 06.04.2018 & year 2018-19 is the first year.
1b	Exploration over lease area for geological axis 1 or 2	In the year(2019-20): 16 Core Bore Holes (800meterage) proposed.	In the Year(2019-20): 38 Core Bore Holes (1812.45 meterage) (By WCL 3 Nos. holes, 95.45m & By CDA 35 Nos. Holes, 1717m)	Exploration drilling has been carried for G1 level in the entire lease area.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No specific proposals given in the approved mining plan for Exploration agencies & Expenditures.	In year 2019-20: WCL - 0.75 lakh CDA - 25.33 lakh WCL - 26.90 lakh (Sampling) Total = 52.98 lakh	WCL-Wonder Cement Ltd. CDA- Central Drilling Associates, Nagpur
1d	Balance area to be explored to bring Geological axis in 1 or 2	In the approved mining plan entire lease area was proposed to explore up to G1 level during the first two year.	Exploration drilling has been carried out in the whole lease area during the first two year & no balance area to be explored.	Nil
1e	Balance reserve as on 01/04/20	No specific proposal in this regrad.	As per approved modified mining plan(approved on 30.08.2019) Balance reserves as on 01.04.2020 122 - 133.58 mt	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 and geological report submitted to this office.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	2019-20 From 324N to 933N to 21W to 241W	Nil	Mining Lease was executed on 06.04.2018. No mine development has been carried out during the year 2019-20 due to land acquisition process.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	None	Mining Lease was executed on 06.04.2018. No mine development has been carried out during the year 2019-20 due to land acquisition process.
2c	Stripping ratio or ore to OB ratio	1:0	None	Mining Lease was executed on 06.04.2018. No mine development has been carried out during the year 2019-20 due to land acquisition process.
2d	Quantity of topsoil generation in m3	2019-20 12050 CUM	Nil	No mine development has been carried out during the year 2019-20 due to land acquisition process.
2e	Quantity of overburden generation in m3	2019-20 No Proposal	2019-20 NIL	No mine development has been carried out during the year 2019-20 due to land acquisition process.

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. No mine development has been carried out during the year 2019-20 due to land acquisition process. However mine development was observed during the current inspection time on the proposed location.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Year 2019-20: One	Year 2019-20: Nil	Mining Lease was executed on 06.04.2018. No mine development has been carried out during the year 2019-20 due to land acquisition process.
3b	Quantity of ROM mineral production proposed	2019-20 25,00,000 T	2019-20 NIL	Mining Lease was executed on 06.04.2018. No mine development has been carried out during the year 2019-20 due to land acquisition process.
3c	Recovery of sailable/usable mineral from ROM production	2019-20 25,00,000 T	2019-20 NIL	Nil
3d	Quantity of mineral reject generation	No Proposal	Not applicable	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	None	Nil

3g	Grade of sub grade mineral generation	No proposal of subgrade mineral generation	No subgrade generated.	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.	No drilling & blasting has been carried out as no mine development work has been commencement during the year 2019-20.	Nil
3k	Provision of mining machineries in mineral benches	Yes, HEMM excavator & dumpers will be deployed.	None	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	No benches has been developed during the year 2019-20.	Nil
3m	Total area covered under excavation/pits	At the end of II year(2019-20) total 10.294 Ha. hect. area will be covered under pit.	Nil	Mining Lease was executed on 06.04.2018. No mine development has been carried out during the year 2019-20 due to land acquisition.
3n	Ore to OB ratio for the pit/mine during the year.	1:0	None	Mining Lease was executed on 06.04.2018. No mine development has been carried out during the year 2019-20 due to land acquisition process.
3o	Total area put in use under different heads at the end of year	10.914 hect.	Nil	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 MT 2019-20: 2500000 MT 2020-21: 5000000 MT	Production of ROM mineral during last five-year period, as applicable 2018-19: 237.77 MT 2019-20: Nil 2020-21: 84604 MT(up to Nov20)	Mining Lease was executed on 06.04.2018 and year 2018-19 is the first year of mining lease.
			5000000 MT 237.77 MT NIL 84604 MT	
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
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.	During the year 2019-20: Top soil: Nil, OB: Nil, Mineral Reject: Nil	Nil
4b	Location of topsoil, OB and mineral reject dumps	No proposal of dumping of top soil, OB & Mineral reject.	No top soil, OB & Mineral reject generated during the year 2019-20.	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	Proposal of garland drain of 1266m given.	None	Mining Lease was executed on 06.04.2018. No mine development has been carried out during the year 2019-20 due to land acquisition process. hence no garland drain made.
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 2019-20 & no waste was generated, hence no waste dump management required.

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 & during the year 2019-20 no mine development has been carried out.
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.	No top soil generated during the last year as no mine development has been carried out.	Nil
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.			This is new mine and year 2018-19 is the first year. No mine development started during the year 2019-20. 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 2019-20.	Submitted on time.
6b	Area available for rehabilitation (ha) .	0.6 hect.	Nil	Nil
6c	afforestation done (ha).	2019-20: 0.6 hect.	Nil	Plantation for the year 2019-20 was proposed 600 nos. over an area 0.6 hect. but no such plantation has been carried out, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 14.01.2021.

6d	No. of saplings planted during the year	600 nos.(2019-20)	No plantation has been carried out.	Plantation for the year 2019-20 was proposed 600 nos. over an area 0.6 hect. but no such plantation has been carried out, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 14.01.2021.
6e	Cumulative no .of plants	1200 nos.	Nil	This is new lease & year 2018-19 is the first year of mining lease.
6f	Any other method of rehabilitation	No proposal	Nil	Nil
6g	Cost incurred on watch and care during the year	Not specified	Nil	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	0.6 hect.	Nil	Plantation for the year 2019-20 was proposed 600 nos. over an area 0.6 hect. but no such plantation has been carried out, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 14.01.2021.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.6 hect. by plantation	Nil	Plantation for the year 2019-20 was proposed 600 nos. over an area 0.6 hect. but no such plantation has been carried out, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 14.01.2021.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Plantation	No plantation has been carried out during the year 2019-20.	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 II year(2019-20) plantation was proposed over 0.6 hect. area but no such plantation has been carried out hence violation of rule 11(1) of MCDR 2017 issued to the lessee.

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.	No mineral disptached during the reporting year 2019-20.	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	No top soil generated during the year 2019-20.	Nil
8b	Concurrent use or storage of topsoil	Concurrent use in plantation.	No top soil generated during the year 2019-20.	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 2019-20.	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	Nil.	Nil.

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal during the year 2019-20.	Nil	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	600 nos. plantation was proposed during the year 2019-20.	No plantation has been carried out during the year 2019-20.	Plantation for the year 2019-20 was proposed 600 nos. over an area 0.6 hect. but no such plantation has been carried out, hence violation of Rule 11(1) of MCDR 2017 issued vide letter dated 14.01.2021.
8g	Survival rate	Not specified.	No plantation has been carried out within lease area as proposed. However as per annual return submitted by the lessee, 600 nos. trees planted outside of the lease area with 90% survival rate.	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
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9a	Status of submission of Monthly and Annual returns	M.R Submitted up to Dec. 2020 A.R. submitted for year 2019-20.	Timely submsiion of returns.	In annual return 2019-20 following descripcencies were observed: 1)In Part V of annual return total 37 nos. of bore holes having 1789m has been reported whereas during the inspection total 38 nos. of bore holes and 1812.45m reported. Hence violation of Rule 45(7) of MCDR 2017 issued vide letter dated 14.01.2021.
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.	Area under Pit, dumps etc- Nil	Found correct.	This is new mine, during the year 2019-20 no mine development started due to loand acquisition processs.
9d	Scrutiny of Annual return on afforestation	Within lease area no plantation reported	No plantation carried out within ML area.	Violation of Rule 11(1) of MCDR 2017 issued vide letter dated 14.01.2021.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No reject reported in return.	No reject generated during the year 2019-20.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM Stock-Nil Graded Ore Stock-Nil	Found ok	Nil

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of production - Nil	No production achieved during the year 2019-20.	This is new mine, during the year 2019-20 no mine development started due to land acquisition process.
9h	Scrutiny of Annual return on fixed assets	Nil	This is new mine and no fixed assets has been established at the mine till year 2019-20.	Nil
9k	Scrutiny of Annual return on mining machineries	No machineries details given in AR.	No machineries deployed during the reporting year 2019-20.	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)	14-JAN-21	02-MAR-21			
MCDR17	Rule 45(7)(a)	14-JAN-21	02-MAR-21			

Date :

(D R GURJAR)

Indian Bureau of Mines