

**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) & Sh. S.S. Bisht, Qualified
Official with
Designation
- (iv) Date of Inspection : 18-JUL-19
- (v) Prev. inspection date :

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 :
- Post office :
- Pin Code :
- 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

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No backlog of the previous year.	Not applicable	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 approved mining plan entire area was proposed to explore up to G1 level as per proposal: I Year(2018-19): 28 Core Bore Holes (1400meterage), II Year(2019-20): 16 Core Bore Holes (800meterage) ,	I Year(2018-19): 35 Core Bore Holes (2083.15meterage), II Year(2019-20): 38 Core Bore Holes (1812.45 meterage),	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.	Year 2018-19: Wonder Cement Ltd(WCL) - 2.33 lakhs Central Drilling Associates(CDA), Nagpur - 24.95 lakhs Year 2019-20: WCL - 0.75 lakhs CDA - 24.95 lakhs Note: expenses are core drilling expenses and Chemical analysis of samples are pending.	Expenditure done by DMG Rs. 35.05 lakhs prior to Lease Grant for exploration.
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.	

1e	Balance reserve as on 01/04/20	Balance reserves as on 01.04.2019 122 - 87.25 million tonnes 332 - 71.39 million tonnes	Balance reserves as on 01.04.2019 122 - 87.25 million tonnes 332 - 71.39 million tonnes
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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 Chemical analysis of samples are pending.
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Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Local grid 152S to 390S to 60 W to 363 W	Nil	Mining Lease was executed on 06.04.2018. No mine development due to land acquisition is under progress.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	None	Mining Lease was executed on 06.04.2018. No mine development due to land acquisition is under progress.
2c	Stripping ratio or ore to OB ratio	1:0	1:0	
2d	Quantity of topsoil generation in m3	12322 CUM	Nil	Mining Lease was executed on 06.04.2018. No mine development due to land acquisition is under progress.

2e	Quantity of overburden generation in m3	No proposal	Nil	Mining Lease was executed on 06.04.2018. No mine development due to land acquisition is under progress.
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 due to land acquisition is under progress.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	Nil	Mining Lease was executed on 06.04.2018. No mine development has been carried out due to land acquisition is under progress.
3b	Quantity of ROM mineral production proposed	1250000 tonnes	237.770 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	All ROM mineral will be use in captive cement plant.	No ROM excavation was made in proposed pit, only 237.77 tonnes production has been carried out from outcrop limestone.	
3d	Quantity of mineral reject generation	No Proposal	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	Not applicable	
3f	Quantity of sub grade mineral generation.	No proposal	Nil	
3g	Grade of sub grade mineral generation	No proposal	Not applicable	

3h	Manual / Mechanised method adopted for segregating from ROM	No segregation proposed	Not applicable	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	None	
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.	
3k	Provision of mining machineries in mineral benches	Yes	HEMM excavator & dumpers will be deployed.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	No benches has been developed so far.	
3m	Total area covered under excavation/pits	At the end of I year(2018- 19) total 6.161 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 2018-19 due to land acquisition.
3n	Ore to OB ratio for the pit/mine during the year.	1:0	1:0	
3o	Total area put in use under different heads at the end of year	At the end of first year Pit: 6.161 Hect. Infrastructure : 0.020 Hect. Infrst	Nil	Mining Lease was executed on 06.04.2018. No mine development has been carried out during the year 2018-19 due to land acquisition.
3p	Production of ROM mineral during the last five year period as applicable	2018-19: 1250000 T	2018-19: 237.770 T	Mining Lease was executed on 06.04.2018 and year 2018-19 is the first year of mining lease.

3q General remarks of inspecting officers on method of mining etc. The proposed mining method is suitable to the type of deposit.

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	There is no OB & Mineral reject generation proposal given, only temporary stack of top soil proposed.	During the year 2018-19 Top soil: Nil, OB: Nil, Mineral Reject: Nil	
4b	Location of topsoil, OB and mineral reject dumps	OB & Mineral reject: No proposal Top Soil: Temporary stack near boundary pillar E in South Western part of the lease area.	OB & Mineral reject: Not generated. Top Soil: Not generated.	
4c	Number of dumps within lease area and outside of lease area	No proposal	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No waste dump proposal	Not applicable.	
4e	Number of active and alive dumps.	No proposal	Nil	
4f	Number of dead dumps.	No proposal	Nil	
4g	Number of dumps established.	No proposal	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	Nil	
4i	Length of Retaining wall or garland drain all along dumps	No proposal	Nil	

4j	Number of settling ponds	No proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management			No waste generation was proposed during the first year & 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 2018-19 no mine development has been carried out.
5b	Area under backfilling of mined out area	No proposal	Not applicable.	
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.	
5d	Total area fully reclaimed and rehabilitated	No proposal	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 2018-19.

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 2018-19.	

6b	Area available for rehabilitation (ha) .	0.6 hect.	Nil	
6c	afforestation done (ha).	0.6 hect. during the first year(2018-19)	No plantation has been carried out.	Violation of rule 11(1) of MCDR 2017 issued to the lease holder.
6d	No. of saplings planted during the year	600 nos.(2018-19)	No plantation has been carried out.	Violation of rule 11(1) of MCDR 2017 issued to the lease holder.
6e	Cumulative no .of plants	600 nos.	Nil	This is new lease & year 2018-19 is the first year of mining lease.
6f	Any other method of rehabilitation	No	Not applicable	
6g	Cost incurred on watch and care during the year	Not specified	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	Nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Nil	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal	Nil	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Nil	

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	Nil	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	0.6 hect.	Nil	Violation of rule 11(1) of MCDR 2017 issued to the lease holder.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.6 hect. by plantation	Nil	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Plantation	No plantation has been carried out during the year 2018-19.	
6p	Compliance of environmental monitoring (core zone and buffer zone)	As per EC guidelines.	Compliance report submitted to MOEFCC.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			During the I year(2018-19) 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.

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.	ROM mineral dispatched to captive cement plant.	

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	Not applicable.	
7c	Different grade of mineral sorted out at mines.	No proposal	Not applicable.	
7d	Any beneficiation process at mines .	No proposal	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 2018-19.	
8b	Concurrent use or storage of topsoil	Concurrent use	No top soil generated in plantation. during the year 2018-19.	
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 2018-19.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	Nil.	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal during the first year(2018-19)	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	600 nos. plantation was proposed during the first year(2018-19).	No plantation has been carried out during the year 2018-19.	During the I year(2018-19) 600nos. 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.
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 92% survival rate.	
8h	Water sprinkling on roads to control airborne dust	Proposed.	No mine development has been start so far.	
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	Monthly returns submitted up to June 2019 Annual return submitted for the year 2018-19.	Monthly returns submitted up to June 2019 Annual return submitted for the year 2018-19.	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Detail given in annual return.	Detail given in annual return but notice of such appointments in Form H have not been submitted.	Notice of appointment of mine manager, mining engineer & geologist in Form H have not been submitted hence violation of rule 46 of MCDR 2017 issued to the lessee.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Deatils given.	Found ok	
9d	Scrutiny of Annual return on afforestation	Details given	Plantation within lease area has not been carried out as per proposal.	Violation of rule 11(1) of MCDR 2017 issued to the lessee.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Detail given.	No reject generated & found ok.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Detail given	ROM stock Nil, found ok	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Detail given	Cost of production Rs. 217 per tonne.	
9h	Scrutiny of Annual return on fixed assets	Detail given	This is new mine and no fixed assets has been established at the mine.	
9k	Scrutiny of Annual return on mining machineries	Detail given	No mine machineries depaloyed.	

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-AUG-19				
MCDR17 Rule 46(a)	06-AUG-19				

Date :

(D R GURJAR)

Indian Bureau of Mines