

**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 : **B014**) **CHANDRESH BOHRA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Sh.Girish Shringi, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 15/03/2024
- (v) Prev.inspection date : 20/07/2023

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 : 27/04/2018
- (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 : Nitin Jain
R, K, Nagar, Nimbahera
CHITTORGARH RAJASTHAN
Phone: 01477277333
FAX : 01477277777

Mining Engineer

Name : Shubham Jakhar, Full Time
Qualification : BE Mining
Appointment/ Termination date : 09/11/2022 20/02/2023

Mining Engineer

Name : Sachin Patel, Full Time
Qualification : BE Mining
Appointment/ Termination date : 21/02/2023

Mining Engineer

Name : Nagendra Singh, Full Time
Qualification : BE(Mining)
Appointment/ Termination date : 18/09/2018 08/11/2022

Geologist

Name : O P Rajpurohit, Full Time
Qualification : M.Sc. (Tech.) Geology
Appointment/ Termination date : 01/05/2018

Manager

Name : Girish Shringi
Qualification : Mining Engineer
Appointment/ Termination date : 25/04/2018

6. Date of approval of Mining Plan/Scheme of Mining : MP modif under 17(3) MCR 2016 30/08/2019
MP review under 17(1) MCR 2016 13/12/2022

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for geological axis 1 or 2	6 Bore Hole/ 600 Mtrs	6 Bore Hole/ Mtrs	583
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	Udaipur Mintech Pvt. Ltd. & Rs. 1018312/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not Proposed	NA	Entire area explored for G1 Level, Mineralised area 143.81Ha. Non-Mineralised area 111.1932Ha
1e	Balance reserve as on 01/04/20	111- 156141808 Tons 211- 114879412 Tons	111 -152935355.03Tons 211- 114879412 Tons	
1f	General remarks of inspecting officers on geology, exploration etc	NA	The overall status of geology and exploration may be considered as satisfactory.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	2730370N to2730990 N 459190 E to 459590 E	2730365 N to 2731000 N 459190 E to 459590 E	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes	
2c	Stripping ratio or ore to OB ratio	1:51.0256	1:53.9912	as per MP format (ROM/Waste=3206452 .970 MT/59388.4 CuM)

2d	Quantity of topsoil generation in m3	26806 CUM	20634.37CUM
2e	Quantity of overburden generation in m3	97990 CUM	59388.59 CUM
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NA	The overall status of development of pit w.r.t type of deposit may be considered as satisfactory.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	50,00,000 MT	3206452.970 MT	Violation for shortfall in ROM already raised during earlier inspection.
3c	Recovery of sailable/usable mineral from ROM production	49,25,000 MT	3206452.970 MT	
3d	Quantity of mineral reject generation	100000 t	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	No Proposal	NA	
3g	Grade of sub grade mineral generation	No Proposal	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	No segregation proposed	NA	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No Proposal	NA
3j	Provision of drilling and blasting in mineral benches	Deep hole drilling & blasting as per permission from DGMS	Yes, Deep hole drilling & blasting as per permission from concerned authorities.
3k	Provision of mining machineries in mineral benches	HEMM excavator & dumpers are deployed.	HEMM excavator & dumpers are deployed.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	10 meter high benches are proposed in mining plan	Average 8 meter high benches are maintained
3m	Total area covered under excavation/pits	19.72 Ha (At the end of the year)	19.0 Ha (At the end of the year)
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	Pit Area : 19.72 Ha Waste/reject : 1.79 Infrastructure : 0.35 ha Road : 6.04 ha Mineral Separation (Crusher) : 2.0 ha Others	Pit Area : 19.00 ha Waste/reject : 0.20 ha Infrastructure : 0.35 ha Road : 2.837 ha
3p	Production of ROM mineral during the last five year period as applicable	2018-19 : 1250000 MT 2019-20: 2500000 MT 2020-21: 5000000 MT 2021-22: 5000000 MT 2022-23: 5000000 MT	2018-19 : 237.77 MT 2019-20: Nil 2020-21: 482758.33 MT 2021-22: 1796390.59 MT 2022-23: 2394768.07 MT 2023-24 (up to Feb.-24): 3206452.970 M

3q	General remarks of inspecting officers on method of mining etc.	NA	The present status of method of mining may be considered as satisfactory.
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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumps for topsoil, OB/IB & mineral reject	Separate dumps for topsoil, OB/IB & mineral reject	
4b	Location of topsoil, OB and mineral reject dumps	OB-Northing-2730170 to 2730370 Easting-458817 to 459017	OB-Northing-2730252 to 2730329 Easting-458906.5 to 458942.5	
4c	Number of dumps within lease area and outside of lease area	No Proposal	NA	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No Proposal	NA	
4e	Number of active and alive dumps.	No Proposal	NA	
4f	Number of dead dumps.	No Proposal	NA	
4g	Number of dumps established.	No Proposal	NA	
4h	Whether Retaining wall or garland drain all along dumps are there.	No Proposal	NA	
4i	Length of Retaining wall or garland drain all along dumps	No Proposal	NA	
4j	Number of settling ponds	No Proposal	NA	
4k	Specific comments of inspecting officer on waste dump management	NA	The overall status of waste dump management may be considered as satisfactory.	

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No Proposal	NA	
5b	Area under backfilling of mined out area	No Proposal	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	NA	
5d	Total area fully reclaimed and rehabilitated	No Proposal	NA	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NA	Area not matured for startup of backfilling /reclamation activities.	

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	Yes, submitted	
6b	Area available for rehabilitation (ha) .	NIL	NIL	
6c	afforestation done (ha).	0.6 Ha.	5.05 Ha.	
6d	No. of saplings planted during the year	600 Nos.	4154 No. (WML)	
6e	Cumulative no .of plants	--	NA	
6f	Any other method of rehabilitation	Nil	NA	
6g	Cost incurred on watch and care during the year	NA	9.09 Lacs	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not applicable NA	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not applicable NA	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Not applicable NA	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not applicable NA	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not applicable NA	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	600Nos	4154 Nos
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.6 Ha.	5.05 Ha.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	NA

6p	Compliance of environmental monitoring (core zone and buffer zone)	As per EC Condition compliance.	Yes ,as per EC Condition compliance
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NA	The overall status of PMCP compliance and progressive closure operations may be considered as satisfactory.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM Mineral direct dispatched.	ROM Mineral direct dispatched	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No Proposal	NA	
7c	Different grade of mineral sorted out at mines.	No Proposal	NA	
7d	Any beneficiation process at mines	No Proposal	NA	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NA	The present status on Mineral Conservation may be considered as satisfactory. No beneficiation issue observed.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Topsoil removed and directly utilized in plantation	Advance development of faces with directly used in plantation purpose	

8b	Concurrent use or storage of topsoil	Directly utilized in plantation	Directly utilized in plantation.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No Proposal	NA
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal	NA
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal	NA
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	As per Approved Modification of Mining Plan	Total plantation :9476 Nos Total Area covered : 6.570 Ha Survival : 79.15%
8h	Water sprinkling on roads to control airborne dust	Water sprinkler will be used for water spraying on roads.	Water sprinkler is being used for water spraying on roads.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NA	The present status of aesthetic beauty in and around mines area may be considered as satisfactory.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Yes	Yes, Monthly Return Submitted upto June-2023 Annual Return Submitted upto 2022-23	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sh. Girish Shringi, Mines Manager Sh.Sachin Patel, Mining Engineer Sh O. P. Rajpurohit, Geologist	Sh. Girish Shringi, Mines Manager Sh.Sachin Patel, Mining Engineer Sh O. P. Rajpurohit, Geologist
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit - 14.560 Hect. Plant, Building, Roads & other infrastructures - 5.500 Hect. Plantation- 1.520 Hect	As above
9d	Scrutiny of Annual return on afforestation	Tress - 5322 Nos, (Survival- 72.33%)	As above
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	No reject generation reported
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM- 2394768.070MT Limestone- 2394768.070 MT (Cement Grade) Opening Stock- Nil Closing Stock -Nil	ROM-2394768.070MT Limestone- 2394768.070 MT (Cement Grade) Opening Stock- Nil Closing Stock -Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value -Rs 0.00 Limestone used in captive cement plant) Ex mine price & Production Cost- 273.88 Rs /MT	The information furnished ,seems to be correct.
9h	Scrutiny of Annual return on fixed assets	Total value of Fixed Assets - Rs 593520539 (Land- Rs 592127132)	Seems to be correct.

9k	Scrutiny of Annual return on mining machineries	Mining Machineries- 40 Nos of units	Mining Machineries- Nos of units	40
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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 :

(CHANDRESH BOHRA)

Indian Bureau of Mines