

**MCDR INSPECTION REPORT****General**

S. N.	Particulars	Details
1	Name of the Mine	Rawan Limestone Mine
2	Date of Inspection:	28.11.2024
3	Name of Inspecting Officer	Shri S. K. Mahapatra, (Assistant Controller of Mines)
4	Name of official accompanying inspection	Shri Tapan Bose, Mines Manger
5	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total area: 420.953ha. No forest land in the lease area.
6	Minecode	38MPR28007
7	IBM Registration Number under rule 45 of MCDR, 1988	IBM/447/2011
8	Name of the lessee, Address, phone, email and fax number	M/s Ambuja Cements Limited Ambujanagar, Kodinar Veraval Highway, Kodinar, Gir Somnath, Gujarat, 362715 Adani Corporate House, Shantigran, Near Vaishno Devi Circle, S G Highway, Khodiyar Rawan Limestone Mine P.O. Rawan, Tehsil: Baloda Bazar-Bhatapara, Chhattisgarh- 493331 <a href="mailto:Rajoo.joshi@adani.com">Rajoo.joshi@adani.com</a> , Mob : 8982073507
9	Village	Rawan, Pausari, Bharseli and Kukurdih
10	Taluka/Mandal	Baloda Bazar
11	District	Baloda Bazar-Bhatapara
12	Pin code	493331
13	State	Chhattisgarh
14	Post office	Baloda Bazar
15	Nearest police station	Baloda Bazar
16	Nearest Railway station	Bhatapara
17	Date of Grant of Mining Lease	26th June 1981
18	Date of Execution	8th August 1986
19	Date of opening of Mine	8th August 1986
20	Date of first Renewal, if applicable and its period & expiry	26.06.2001 for 30Years. 25.06.2031
21	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri. Ajay Kapur, No.2, Southland, S.B.Singh Road, Colaba, Mumbai Mobile:- 9820070057 E-mail:- <a href="mailto:ajay.kapur@adani.com">ajay.kapur@adani.com</a> Date of Appointment:- 17.09.2022
22	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri. Kaushal Kumar Mishra, P.O. Rawan, Tehsil: Baloda Bazar-Bhatapara, Chhattisgarh- 493331 Mobile:- 9819751285 E-mail: <a href="mailto:kaushal.mishra@adani.com">kaushal.mishra@adani.com</a> Date of Appointment:- 04.04.2024

23	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Tapan Kumar Bose  P.O. Rawan, Tehsil: Baloda Bazar-Bhatapara, Chhattisgarh- 493331 Mobile:- 8982073590 E-mail:- <a href="mailto:tapankumar.bose@adani.com">tapankumar.bose@adani.com</a> Date of Appointment:- 19.07.2024
24	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Vishwa Pratap Singh P.O. Rawan, Tehsil: Baloda Bazar-Bhatapara, Chhattisgarh- 493331 Mobile:- 8085251073 E-mail- Date of Appointment:- 23.08.2024
25	Name of the Geologist, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Manoj Kushwaha P.O. Rawan, Tehsil: Baloda Bazar-Bhatapara, Chhattisgarh- 493331 Mobile:- 9672004222 E-mail: <a href="mailto:manojrajnarayan.kushwaha@adani.com">manojrajnarayan.kushwaha@adani.com</a> Date of Appointment:- 15.11.2021
26	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55& carrying out their duties as per rule 56 & 57.	Yes
27	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	08.01.2021 For the period 2021-22 to 2025-26
28	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	No, Specific condition
29	Mineral(s) granted in lease and proved for mining	Limestone
30	Method of Mining(Open cast, Underground)	Open cast
31	Category (Fully Mechanised, Others or Manual)	Fully Mechanized
32	Captive/Non Captive	Captive
33	Present EC Status	EC is granted for 6.31 Million Ton per annum Limestone production.
34	Status of Financial Assurance	Financial Assurance of Rs 8,66,52,000.00 by way of Bank Guarantee which were valid up to 31.03.2026.

### Exploration

S.N.	Item	Proposals for,	Actual work	Remark
		2023-24	during 2023-24	
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	20	9	Violation of Rule 11(1) of MCDR 2017 issued

on  
08.01.2025

1c	Exploration Agency & Expenditure in lakh Rupees during the year	Gem Consultant	1915719	
1d	Balance area to be explored to bring Geological axis in 1 or 2	6.5	Nil	
1e	Balance reserves as per latest approved document	At the beginning of the year 1.4.2023 as per latest approved document	51930447	Balance reserve as on 31.3.2024 48,635,781 tons
1f	General remarks of inspecting officer on geology, exploration etc.	During the year 2023-24 20 bore holes were proposed against which only 09 bore holes drilled. Thus, Violation of Rule 11(1) of MCDR 2017 issued on 08.01.2025. As on 01.04.2024 Reserve: - 48.635 MT, Resource 598.48 Mt Total: 647.115 million Tonne		

### Development

S.N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
2a	Location of development w.r.t. lease area	North Block- 614867;2397235 615122;2397587 South block- 613934;2395998 614347;2396203	Within the proposed area	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	OB= 3to7m Limestone- 9m	Haphazardly without formation of systematic and regular benches	Violation of Rule 11(1) of MCDR 2017 issued on 08.01.2025
2c	Stripping ratio or ore to OB ratio	0.184	0.15	
2d	Quantity of topsoil generation in m3	41,176	9567	Utilized for plantation
2e	Quantity of overburden generation in m3	4,50,000	478459	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc	During inspection it is observed that, the Mining Pit has been developed haphazardly without formation of systematic and regular benches as envisaged in the RMP. Thus, violation of Rule 11 of MCDR 2017 issued on 08.01.2025.		

### EXPLOITATION

N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
3a	Number of pits proposed for production	2	2	
3b	Quantity of ROM mineral production proposed	4.0 million	3.29 million	

3c	Recovery of salable/usable mineral from ROM production	3.83 million tons	3.26 million tons	
3d	Quantity of mineral reject generation	0.17 million tons	0.025 million tons	
3e	Grade of mineral reject generation and threshold value declared	Below 34%	Below 34%	
3f	Quantity of sub-grade mineral generation	NA	NA	
3g	Grade of sub-grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Mechanized	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No	No	
3j	Provision of drilling & blasting in mineral benches	Deep hole blasting	Deep hole blasting	
3k	Provision of mining machineries in mineral benches	Komatsu PC1250, HD465 Dumpers	Komatsu PC1250, HD465 Dumpers	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3 to7 m	No systematic and regular benches	Violation of Rule 11(1) observed.
3m	Total area covered under excavation/pits	226.23 ha	199.454 ha	
3n	Ore to OB ratio for the pit/mine during the year	0.184	0.15	
3o	Total area put in use under different heads at the end of year	Mining-226.23 Road-3.50 OB dump-19.87 Topsoil preservation-7.34 Others-5.48 Total put to use-262.42	199.454 ha 3.39 19.87 7.34 24.02 =254.074	
3p	Production of ROM mineral during last Five-year period, as applicable	5.5 (2019-20) 5.48 (2020-21) 6.3 (2021-22) 5.5 (2022-23) 4.00 (2023-24) In Million Tonne	5.30 5.40 3.59 3.069553 3.294666	
3q	General remarks of inspecting officer on method of	During inspection it is observed that, the Mining Pit has been developed haphazardly without formation of systematic and regular benches as envisaged in the RMP and violation of Rule 11 of MCDR 2017 issued on 08.01.2025.		

**Solid Waste management-Dumping**

S.N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
4a	Separate dumping of topsoil, OB & mineral reject (Rule 33, 37)	Yes	OB and soil dumping carried out at earmarked location as per the proposal.	
4b	Location of topsoil, OB & mineral reject dumps	613454; 2397020 613727; 2397210	OB and soil dumping carried out at earmarked location as per the proposal.	Topsoil use for plantation
4c	Number of dumps within lease area and outside lease area	09	09	Within lease
4d	Location of dumps w.r.t. ultimate pit limit	<b>Out side UPL</b>	<b>Out side UPL</b>	
4e	Number of active & alive dumps	4	4	
4f	Number of dead dumps	05	05	
4g	Number of dumps stabilized	01	01	Out of 05 dead dump
4h	Whether Retaining wall or garland drain all along dumps are there	Yes	Yes	
4i	Length of Retaining wall or garland drain all along dump	630	650	
4j	Number of settling ponds	0	0	
4k	Specific comments of inspecting officer on waste dump management	Retaining wall and garland drain all along dumps observed to be maintained properly.		

**Solid Waste management-Backfilling**

S.N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Yes	Yes	
5b	Area under backfilling of mined out area	0.53 ha.	0.3 ha.	Violation of Rule 11(1) observed.
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	Use of plantation	Use for plantation	
5d	Total area fully reclaimed & rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Area under backfilling was less than the proposed for the year 2023-24. Thus, violation of Rule 11 of MCDR 2017 issued on 08.01.2025.		

**Progressive Mine Closure Plan**

N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2).	Yes	Yes	
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	i) NIL ii) 1.5 iii) 2350 iv) 95048 v) NIL vi) 2.80 lakh	i) NIL ii) 1.5 iii) 2560 iv) 99867 v) Nil vi) 7.68 lakh	Outside lease area 1100 plants.
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	i) 107 x 50 x 15 ii) NIL iii) NIL iv) Topsoil use for plantation	i) 105 x 30 x 15 ii) NIL iii) NIL iv) Topsoil use for plantation	Violation of Rule 11(1) observed.
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	1.5	1.5	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Environmental monitoring proposed	Environmental monitoring carried out. Air quality, Surface Water, Ground water & Noise level monitoring carried out. All parameters are within limits	Environmental monitoring Report from April-2023 to March-2024 available. The results are found within limit
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Area under backfilling was less than the proposed for the year 2023-24. Thus, violation of Rule 11 of MCDR 2017 issued on 08.01.2025.		

### Mineral Conservation

S.N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
7a	ROM Mineral dispatch or grade-wise sorting within lease area	4.0 million tons	3.29 million tons	

7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Nil	Nil	Vibrating Screen is in the crusher unit.
7c	Different grade of mineral sorted out at mines	Nil	Nil	Direct feed to crusher
7d	Any beneficiation process at mines	Nil	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	There is no proposal for mineral beneficiation proposed during the reporting year. Mineral dispatched from the lease area to the captive plant.		

### Environment

S.N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
8a	Separate removal and utilization of topsoil (Rule 36)	NA	NA	Utilization for plantation within the lease area
8b	Concurrent use or storage of topsoil	41176	9767	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	As per given above		
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	450000	478459	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	0.53	0.3	
8f	Baseline information on existence of plantation & additional Plantation done			
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	Water sprinkling over haul roads to minimize the fugitive dust emission
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Aesthetic beauty in & around the mine area was good.		

### Compliance of Rule 45

S.N.	Item	COMMENTS	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted upto October 2024: Before due date A.R. Submitted upto: 25.06.2024	

S.N.	Item	Details given in A.R. for the year 2022-23/2023-24	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Ravindra Choudhury- (Mining Engineer) Manoj Rajnarayan Kushwaha- (Geologist) Kumar Rajesh (mines Manager)	V.P. Singh- (Mining Engineer) Manoj Rajnarayan Kushwaha- (Geologist) Tapan Kumar Bose (mines Manager)	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Mining area- 199.454ha Dump-19.87 ha Occupied by plant, buildings, residential, welfare buildings and roads- 3.39ha Others – Topsoil- 7.34		
9d	Scrutiny of Annual return on afforestation	1.5 ha. afforestation		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	25107 tons (CaO-30%)	As reported in AR 2023-24	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	No stock	As reported in AR 2023-24	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Cost of Production- Rs 259.95	As reported in AR 2023-24	Captive mines.
9i	Scrutiny of Annual return on fixed assets	<b>₹ 2412059346</b>	As reported in AR 2023-24	
9k	Scrutiny of Annual return on mining machineries	SHOVEL (HYDRAULIC) 6.300 CUM 2 Non BACK HOE 5.800 CUM 1 Non DUMPER 55.000 TONNE 4 Non Electrical Opencast DUMPER 100.000 TONNE 3 Non Electrical BLAST HOST DRILL 33.000 MM 1 Non Electrical	As reported in AR 2023-24	

WHEEL LOADER  
 5.000 CUM  
 WATER TANKER  
 28000.000 LITRE 1  
 CRANE 20.000  
 TONNE  
 Electrical Opencast  
 EXPLOSIVE VAN  
 9.345 TONNE 1

### 10. Drone Survey Information and data thereof.

Drone Survey data uploaded (Drone survey management data) in the IBM portal for the reporting year 2023-24 and as per norms.

#### MID PASS :-

Name/ Designation of the inspecting officer:	Shri Sanjay Kumar Mahapatra, Assistant Controller of Mines
Mine Code:	38MPR28007
Zone Name:	Central Zone
Region Name:	Raipur
Date:	2025-03-06 12:49:51
Reported Lease Boundary Area (in ha):	444.854
Actual Lease Boundary Area (in ha):	420.953
Area Deviation (%):	-5.3728
Reported Volume of Extraction as per Annual Return (in m <sup>3</sup> ):	1806368
Actual Volume of Extraction (in m <sup>3</sup> ):	NA
Volume Deviation (%):	NA
Deviation observed in lateral/ vertical extent of mines:	YES
Attached profile:	View
Deviation observed in lateral/ vertical extent of dumps:	NIL
Violations issued during the last financial year (Mention rules):	Nil
Violations complied during the last financial year (Mention complied rules):	Nil

**11. Status of compliance of MCDR, 2017 including therewith the rectification of outstanding violation of the rules.**

- (i) No violation was pointed during earlier inspection.
- (ii) Violation of Rule 11(1) pointed during current inspection and violation letter issued on 08.01.2025.

Date: 06.03.2025

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भारतीय खान ब्यूरो