

1/33624/2024

**MCDR INSPECTION REPORT****1.0 GENERAL**

S.No.	Particulars	Details
1(a)	Name of the Mine	Gujarat Ambuja Limestone Mine (Survey No.44)
1(b)	Name of Inspecting Officer & Designation	Sh. Snehalkumar Patel, Asst. Mining Engineer
1(c)	Accompanying Mines Representatives	Mr. Mukesh Singh
1(d)	Type of Inspection	MCDR/ SDF
1(e)	Date of Inspection	21.02.2024
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non-Forest:108.9700 hectares Forest: Nil
3	Mine code	38GUJ02008
4	IBM Registration Number under rule 45 of MCDR,2017	IBM/447/2011
5	Name of the lessee, Address, phone, email and fax number	M/s Ambuja Cements Limited At & PO: Ambujanagar, Taluka: Kodinar District: Gir Somnath, State:Gujarat- 362 715 Tel.: (02795) 221137, 232009 Fax:(02795) 220328, 232032 e.mail id. ceo.cementbusiness@adani.com
6	Village	Vadnagar
7	Taluka/Mandal	Kodinar
8	District	Gir-Somnath
9	Pin code	362715
10	State	Gujarat
11	Post office	Ambujanagar
12	Nearest police station	Kodinar
13	Nearest Railway station	Somnath & Veraval
14	Date of Grant of Mining Lease	10th January, 1985
15	Date of Execution	16 April,1985
16	Date of opening of Mine	30th January, 1986
17	Date of first Renewal, if applicable and its period & expiry	Renewed & Extended for 30 years lease period (16/04/2005 to 15/04/2035), vide Order No. MCR-102011-1770-CHH.1, dated: 02/07/2015
18	Date of second Renewal, if applicable and its period & expiry	Not applicable.
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not Applicable.
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Ajay Kapur, (Managing Director and CEO) M/s Ambuja Cements Ltd. Adani Corporate House, Shantigram, S. G.Highway, Ahmedabad - 382 421 Gujarat. India Ph +91 79-2555 555 e.mail id: ceo.cementbusiness@adani.com Date of appointment: 17/09/2022
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Mahesh Kumar Jain M/s Ambuja Cements Limited, At & PO: Ambujanagar, Taluka: Kodinar, District: Gir Somnath, State: Gujarat- 362715 Tel. #: 02795 237011 id:maheshkumar.jain@ adani.com Date of appointment: 06/06/2022 e.mail
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mr. Yuvrajsinh Jadeja M/s Ambuja Cements Limited At & PO: Ambujanagar, Taluka: Kodinar District: Gir Somnath, State:Gujarat- 362 715 Tel.: (02795) 237211 Fax:(02795) 220328, 232032 E-mail: yuvrajsinh.jadeja9@adani.com Date of appointment: 16/04/2022
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and	Mr. Yuvrajsinh Jadeja M/s Ambuja Cements Limited At & PO: Ambujanagar,

1/336	24/2024	date of appointment in mine	Taluka: Kodinar District: Gir Somnath, State:Gujarat- 362 715 Tel.: (02795) 237211 Fax:(02795) 220328, 232032 E-mail: yuvrajsinh.jadeja9@adani.com Date of appointment: 01/06/2019
24		Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Mr. Yuvrajsinh Jadeja M/s Ambuja Cements Limited At & PO: Ambujanagar, Taluka: Kodinar District: Gir Somnath, State:Gujarat- 362 715 Tel.: (02795) 237211 Fax:(02795) 220328, 232032 E-mail: yuvrajsinh.jadeja9@adani.com Date of appointment: 01/06/2019
25		Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	The Mining Plan along with Progressive Mine Closure Plan was approved vide IBM, Ajmer Letter No.682 (23) (370) /2005-Udp, dated 01-04-2005 for the renewal of Mining Lease for five years period, without any special condition.
26		Date of Approval of Scheme of Mining/ Modified Scheme of Mining with five-year period and specific condition in approval letter, if any	The Scheme of Mining along with Progressive Mine Closure Plan under reference was approved vide IBM, Udaipur Letter No.684(4)(1)/MP-252)/2019-20-GNR,dated 21-11-2019 for five years period (01-04-2020 to 31-03-2025), without any special condition.
27		Mineral(s) granted in lease and proved for mining	Limestone and Marl.
28		Method of Mining(Open cast, Underground)	Open cast
29		Category (Fully Mechanised, Others or Manual)	Fully Mechanised
30		Captive/Non Captive	Captive

### Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining.

#### Exploration

S.No.	Item	Proposals(2022-23)	Actual work	Remarks
1a	Backlog of previous year	The deposit has been adequately explored therefore; further exploration has not been planned.	Not Applicable	
1b	Exploration over lease area for Geological axis 1 or 2.	During the year exploration has not been proposed	Not Applicable	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not Proposed	Not Applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No area Remaining for exploration	Not Applicable	
1e	Balance reserves as on 01.04.2023 (in million tonnes)	Limestone: 1.963 Marl: 3.783	Limestone: 1.963 Marl: 3.783	
1f	General remarks of inspecting officer on geology, exploration etc.	Exploration over the lease area done Up To G1 level and completed in 2010.		

#### 2.0 Development

S.No.	Item	Proposals(2022-23)	Actual work	Remarks
2a	Location of development w.r.t. lease area	During the year 2022-23 the development has been proposed in N21-N22.50 for Limestone and for Marl N13.4-N15.4 of E-18.4 to E19.75.	No working because area encroached and water logged.	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No topsoil exists in the lease area	NA	
2c	Stripping ratio or ore to OB ratio	Limestone deposit is simple and free from any overburden.	NA	
2d	Quantity of topsoil generation in m3	Area proposed for mining operation is free from top-soil.	Topsoil generation is nil.	No OB in Lease.
2e	Quantity of overburden generation in m3	Nil	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Overall layout of benches found in order.		

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**3.0 Exploitation**

S.No.	Item	Proposals (2022-23)	Actual work	Remarks
3a	Number of pits proposed for production	Production proposed in Location-IX.	No working because pit is water logged.	
3b	Quantity of ROM mineral production proposed (in tonnes)	Limestone:20000 MT Marl:50000 MT	Limestone:0 MT Marl: 3710 MT (Dispatch)	Due to water logged area.
3c	Recovery of saleable / usable mineral from ROM production	100%	100% mineral Utilized	Captive Use
3d	Quantity of mineral reject generation	Nil	NIL	
3e	Grade of mineral reject generation and threshold value declared	Nil	NIL	
3f	Quantity of sub-grade mineral generation	Not Proposed	NIL	
3g	Grade of sub-grade mineral generation	Not Proposed	NIL	
3h	Manual / Mechanised method adopted for segregating from ROM	Not Proposed	NIL	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject.	Not Proposed	NIL	
3j	Provision of drilling & blasting in mineral benches	Mining by Surface Minor in combination with front end Loader	As per Proposal	
3k	Provision of mining machineries in mineral benches	Limestone excavation by Surface Miner & Marl By Excavator.	As per Proposal	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No OB	Not Applicable	
3m	Total area covered under excavation/pits	90.6296 Ha	88.4668 Ha	
3n	Ore to OB ratio for the pit/mine during the year	No OB	Not Applicable	
3o	Total area put in use under different heads at the end of year	Pit-90.6296ha Others-7.92 Ha	Pit-88.4668ha Others-7.92 Ha	
3p	Production of ROM mineral during last five-year period, as applicable  (in million tonnes)	2017-18: 0.401 2018-19: 0.385 2019-20: 0.325 2020-21: 0.020 2022-23: 0.10 2022-23: 0.10	2017-18: 0.014 2018-19: 0.045 2019-20: 0.000 2020-21: 0.017843 2022-23: 0.013397 2022-23: 0.0	Limestone 43.33 CaO
		2017-18: 0.588 2018-19: 0.205 2019-20: 0.060 2020-21: 0.060 2022-23: 0.060 2022-23: 0.060	2017-18: 0.012 2018-19: 0 2019-20: 0.000 2020-21: 0.0 2022-23: 0.0 2022-23: 0.0	Marl 31.10 CaO
3q	General remarks of inspecting officer on method of mining etc.	Excavator & dumper combination तरीके से निर्धारित लक्ष्य से कम कार्य किया गया है।		

**4.0 Solid Waste Management-Dumping**

S.No.	Item	Proposals (2022-23)	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Not Proposed	Nil	Used in Plantations / backfilling
4b	Location of topsoil, OB & mineral reject dumps	Not Proposed	Nil	
4c	Number of dumps within lease area and outside lease area	Not Proposed	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not Proposed	Nil	
4e	Number of active & alive dumps	Not Proposed	Nil	
4f	Number of dead dumps	Not Proposed	Nil	
4g	Number of dumps stabilized	Not Proposed	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	Not Proposed	Nil	

1/33624/2024	4i Length of Retaining wall or garland drain all along dump	Not Proposed	Nil	
	4j Number of settling ponds	Not Proposed	Nil	
	4k Specific comments of inspecting officer	पट्टा क्षेत्र में OB, dump नहीं है।		

### 5.0 Solid Waste Management-Backfilling

S.No.	Item	Proposals (2022-23)	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not Proposed	Nil	
5b	Area under backfilling of mined out area	Not Proposed	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not Proposed	Nil	
5d	Total area fully reclaimed & rehabilitated	Not Proposed	Nil	Water Logged
5e	General remarks of inspecting officer on backfilling, reclamation etc	As the area is almost opened up, there is no Top soil generation.		

### 6.0 Progressive Mine Closure Plan

S.No.	Item	Proposals (2022-23)	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E (2). Details should be given in the format as given in item No. 8.3 of PMCP (approved on last occasion,	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	Proposal:  (i) Nil  (ii) 0.2 ha (iii) 300  (iv) 18060 (v) Nil  (vi) Rs.3,00,000.00	Actual:  (i) Nil  (ii) 0.18 (iii) 280  (iv) 17665 (v) Nil  (vi) Rs.4,83,475.00	
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	No back filling	No back filling	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	No Proposal	Not Applicable	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Regular monitoring	Reports checked ok.	
6f	General remarks of inspecting officer on PMCP compliance & progressive	The environment in the mining area was satisfactory as observed during inspection.		

### 7.0 Mineral Conservation

S.No	Item	Proposals (2022-23)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area (in tonnes)	Not Proposed	NA	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not Proposed	NA	
7c	Different grade of mineral sorted out at mines	Not Proposed	NA	
7d	Any beneficiation process at mines	Not Proposed	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	पूर्ण ROM स्वयं के संयंत्र में काम लिए जाने का प्रस्ताव है।		

### 8.0 Environment

S.No.	Item	Proposals (2022-23)	Actual work	Remarks
8a	Separate removal and utilization of	No Top Soil	No Top Soil	As the area is

1/33624/2024 8b	topsoil (Rule 32)			almost opened up, there is no Top soil generation
	Concurrent use or storage of topsoil	Not Proposed	Some top soil also stored for future use.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not Proposed	NA	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Proposed	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc).	Not Proposed	NA	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	The ML area was barren Govt Land with Few trees and some agriculture land.	The area developed with water reservoir pasture land and plantation.	
8g	Survival rate	80%	80%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on Haul Road.	As per proposal	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Very thin layer of Top soil occurred. The aesthetic environment of lease area is satisfactory.		

### 9.0 Compliance of Rule 45

S.No.	Item	COMMENTS		Remarks
	Status of submission of Online Monthly and Annual returns	M.R. Submitted up to Feb.2024 A.R. submitted up to 2022-23		
S.No.	Item	Details GIVEN in A.R	Observation of I/Officer /Actual reported in Returns	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	ME: Yuvrajsinh Jadeja	Geologist not appointed.	Violation issued on 28-03-2024
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. (Ha)	OC: 88.467 INFRA: 7.92 PMCP: 0.18	Opencast working: 88.467 हे.	
9d	Scrutiny of Annual return on afforestation	ML-280 OML:5560	Work done.	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	NIL		
9f	Scrutiny of Annual return on ROM stock and/or graded ore (Tonne)	LIMESTONE: 0 MARL: 3710(Dispatch)	Done.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Rs. 197.57	Cost of production: 197.57	उचित प्रतीत होती है।
9i	Scrutiny of Annual return on fixed assets	69455393	Found ok.	
9k	Scrutiny of Annual return on mining machineries	Loader-1, surface miner-1, dozer-1, excavator-1, Tipper-1	Found ok.	

**10. Details of violations observed during current inspection and compliance position of earlier violation pointed out:** - No violation pending. During inspection violation of Rule 55(1)3(i) for the rectification of the same within a period of 45 Days.

स्नेहलकुमार पटेल  
सहायक खनन अभियंता  
भारतीय खान ब्यूरो

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