

## \_MCDR INSPECTION

1) Name of Inspecting officer:	Mr. Naman Ekka
2) Designation	Senior Mining Geologist, Gandhinagar
3) Accompanying mine official with designation	Mahendra Singh Meratia- Mines Manager Vikas Tiwari- Geologist
4) Date of Inspection	17.07.2024

S. N.	Particulars	Details
1	Name of the Mine	RKBA Limestone & Marl Mine (having Various Survey Numbers)
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	310.3290ha {Non-Forest: 278.7937ha (Agriculture Land), 31.5353ha (Grazing Land)} Forest: Nil
3	Mine code	38GUJ08338
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/447/201
5	Name of the Lease, 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. <a href="mailto:ceo.cementbusiness@adani.com">ceo.cementbusiness@adani.com</a>
6	Village	Rampara-Kukras-Bhetali-Anandpara
7	Taluka/Mandal	Veraval & Sutrapara
8	District	Gir-Somnath
9	Pin code	362 715
10	State	Gujarat
11	Post Office	Rampara
12	Nearest Police Station	Patan & Sutrapada
13	Nearest Railway Station	Veraval
14	Date of Grant of Mining Lease	27 <sup>th</sup> May'2005 (vide Order No. MCR-1599-1619-CHH)
15	Date of Execution	05 <sup>th</sup> September'2005
16	Date of opening of Mine	04 <sup>th</sup> October' 2005
17	Date of First Renewal, if applicable and its period & expiry	Not Applicable
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: <a href="mailto:ceo.cementbusiness@adani.com">ceo.cementbusiness@adani.com</a> 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 e.mail id: <a href="mailto:maheshkumar.jain@adani.com">maheshkumar.jain@adani.com</a> Date of appointment: 06/06/2022
22	Name of the Mine Manager with Address,	Shri Mahendra Singh Meratia

	phone, email, fax number and date of appointment in mines	M/s Ambuja Cements Limited, At & PO: Ambujanagar, Taluka: Kodinar, District: Gir Somnath, State: Gujarat- 362 715 Tel. #: (02795) 237210. e.mail id.: mahendrasingh.meratia@adani.com Date of appointment: 01/08/2022
23	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri Mahendra Singh Meratia Qualification - B E Mining Total experience -20 years M/s Ambuja Cements Limited, At & PO: Ambujanagar, Taluka: Kodinar, District: Gir Somnath, State: Gujarat- 362 715 Tel. #: (02795) 237210. e.mail id.: mahendrasingh.meratia@adani.com Date of appointment in mines 01/08/2022
24	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Shri Siddhartha Ranjan Qualification - M.Sc. Geology Total experience -+15 years M/s Ambuja Cements Limited, Address-At & PO: Ambujanagar, Taluka: Kodinar, District: Gir Somnath, State: Gujarat- 362 715 Tel. # : (02795) 237210. e.mail id.: siddharth.ranjan@adani.com Date of appointment in mines 25.08.2023
25	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	The Mining Plan of RKBA Limestone & Marl Mine {(having Various Survey Nos.), Area: 310.3210 hectares} was approved by Controller of Mines (NZ) Ajmer vides Letter No.682 (23) (143)/2001 - Udp, dated 28 <sup>th</sup> January, 2002 for the grant of Mining Lease. Progressive Mine Closure Plans ( <i>component of approved Mining Plan</i> ) of the area under reference was approved by Controller of Mines (NZ) vides Letter No.682 (23) CLP-40/2004-Udp, dated 05 <sup>th</sup> January, 2005. Due to the lease area discrepancy, Modified Mining Plan was submitted to IBM and same was approved by Controller of Mines (NZ) vides Letter No.682 (23) (431) /2005-Udp, dated 06 <sup>th</sup> February, 2006 for the 1.0 MTPA production level Planning. Further modifications in the approved Modified Mining Plan/Modifications were proposed for increase in the production from the lease from 1.0 MTPA to 2.0 MTPA. The Modified Mining Plan along with Progressive Mine Closure Plan for the capacity expansion of the RKBA ML was submitted to IBM and same was approved by Controller of Mines (NZ) vides Letter No.682 (23) (446) /2006-Udp, dated 16 <sup>th</sup> June, 2006 for the 2.0 MTPA productions level planning.
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	Review of Mining plan with PMCP was Approved vide Letter No. 684(4)(1)/MP-251/2019-20 GNR , Dated the 21 <sup>st</sup> November, 2019.
27	Mineral(s) granted in lease and approved for Mining	Limestone & Marl are included in the Lease deed. Applicant intends to mine only Limestone.
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanized, Others or Manual)	Fully Mechanised
30	Captive/Non-Captive	Captive

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Not in Proposal	No work has been carried out	No area Remaining for exploration
1b	Exploration over lease area for Geological axis 1 or 2.	Not in Proposal	Area has been fully explored in G1 Category	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not in Proposal	No work has been carried out	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Not in Proposal	Area has been fully explored in G1 Category	
1e	Balance reserves as on 01.04.2024 (in tones)	111: 15353136.000 (Limestone)	111: 15522794 (Limestone)	
1f	General remarks of Inspecting officer on geology, exploration etc.	Lease has been fully explored in G1 Category.		

## 2. Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Production proposed for Limestone in Pit No-18,8,26,12A & 17ext	PIT No. - 18 PIT No-8 PIT NO.- 26 - No work Carried out PIT 12 A Pit 17 Ext - No work Carried out  Mining in New pits were observed in Location 1. 20°57'02.80"N, 70°32'48.08"E 2. 20°57'02.30"N, 70°33'03.26"E 3. 20°57'30.90"N, 70°32'50.05"E	<b>Violation of Rule 11(1)</b>
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Topsoil:-Nil Overburden:-PIT 12A - 1 <b>Mineral:-</b> Pit 18- 1 Pit -8- 2 Pit - 26 - 1 PIT 12A - 1 Pit 17 EXT- 2	Topsoil:-Nil Overburden: PIT 12A - 1 <b>Mineral:-</b> PIT 18 - 1 PIT 8 - 2 PIT 26 - No work Carried out PIT 12 A - 1 Pit 17 Ext - No work Carried out	
2c	Stripping ratio or ore to OB ratio	No Proposal	No work carried out	
2d	Quantity of topsoil generation in m <sup>3</sup>	32360.50	Not Generated	
2e	Quantity of overburden generation in m <sup>3</sup>	78426	23793	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Development of Proposed Pit has been carried out but some new locations were observed and are not as per approved RMP for the year 2023-24		

## 3. Exploitation FY 2023-24

S. N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	Production proposed for Limestone in Pit No-18,8,26,12A & 17ext	PIT No. – 18 PIT No-8 PIT NO.- 26 – No work Carried out PIT 12 A Pit 17 Ext – No work Carried out  Mining in New pits were observed in Location 1. 20°57'02.80"N, 70°32'48.08"E 2. 20°57'02.30"N, 70°33'03.26"E 3. 20°57'30.90"N, 70°32'50.05"E	<b>Violation of Rule 11(1)</b>
3b	Quantity of ROM mineral production proposed	Limestone:2000000 MT	Limestone: 1830342 MT	
3c	Recovery of Salable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Not in Proposal	No work carried out	
3e	Grade of mineral reject generation and threshold value declared	Not in Proposal	Not Applicable	
3f	Quantity of sub-grade mineral generation	Not in Proposal	No work carried out	
3g	Grade of sub-grade mineral generation	Not in Proposal	Not Applicable	
3h	Manual/Mechanized method adopted for segregation from ROM	Mechanised	No work carried out	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not in Proposal	No work carried out	
3j	Provision of drilling & blasting in mineral benches	Mining deposit is sedimentary deposit. Only Surface Miner is used for windrowing of material.	Surface Miner is being used.	
3k	Provision of mining machineries in mineral benches	SURFACE MINER 900 HP -1,SURFACE MINER 610 HP-1,FRONT END LOADER 5.0 CUM- 1, FRONT END LOADER 3.5 CUM -1,DOZER 410HP- 1, MOTOR GRADER 160 HP- 1,TIPPER 21 CUM- 33,TIPPER 21CUM- 10	SURFACE MINER 900 HP - 1,SURFACE MINER 610 HP-1,FRONT END LOADER 5.0 CUM- 1, FRONT END LOADER 3.5 CUM -1,DOZER 410HP- 1, MOTOR GRADER 160 HP- 1,TIPPER 21 CUM- 33,TIPPER 21CUM- 10	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	PIT 12A – 1 in OB and 1 in Mineral	Suitable OB Bench height – ~1.5m and Mineral Bench ~ 2 m	
3m	Total area covered under excavation /pits (Ha.)	176.858 Ha.	181.718 Ha.	
3n	Ore to OB ratio for the pit/mine during the year	Ore : OB 1:0.49	Ore : OB 1:0.49	
3o	Total area put in use under different heads at the end of year	Covered under current (O-C)	Covered under current (O-C) Working – 181.718 Ha.	

		Working - 176.858 Ha. Infrastructure:0.96 Ha Road: 2.95Ha	Road: 0.963Ha Work done under PMCP: 4.605	
3p	Production of ROM mineral during last five-years period, as Applicable	2019-20= 1208327 2020-21= 2000000 2021-22= 2000000 2022-23= 2000000 2023-24= 2000000	2019-20= 1205207 2020-21= 1851107 2021-22= 1999555 2022-23= 1999566 2023-24= 1830342	
3q	General remarks of inspecting officer on method of mining etc	Method of mining is open cast without Drilling and blasting		

#### 4. Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	OB:- Not in Proposal Mineral Reject:- Not in Proposal Topsoil:- Not in Proposal	No work carried out	
4b	Location of topsoil, OB & mineral reject dumps	OB:- Not in Proposal Mineral Reject:- Not in Proposal Topsoil:- Not in Proposal	No work carried out	
4c	Number of Dumps within lease area and outside lease area	Not in Proposal	No work carried out	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Not in Proposal	No work carried out	
4e	Number of Active & Alive dumps	Not in Proposal	No work carried out	
4f	Number of dead dumps	Not in Proposal	No work carried out	
4g	Number of dumps established	Not in Proposal	No work carried out	
4h	Whether Retaining wall or garland drain all along dumps are there	Not in Proposal	No work carried out	
4i	Length of Retaining wall or garland drain all along dump	Not in Proposal	No work carried out	
4j	Number of settling ponds	Not in Proposal	No work carried out	
4k	Specific commends of inspecting officer on waste dump management	No Waste dump reported within the lease area.		

#### 5. Solid Waste Management-Backfilling

S.N.	Item	Proposals	Actual Work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Full extraction	Mineral is being Fully Extracted in PIT 6	
5b	Area under backfilling of mined out area	87750 m2	10.00 Ha. has been partially backfilled.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Proposed	No removal of Topsoil	
5d	Total area fully reclaimed & rehabilitated (Ha)	Not in Proposal	No work carried out for Fully reclaimed & rehabilitated (Ha)	
5e	General remarks of inspecting officer on backfilling, reclamation etc	PIT no 6 have been partly back filled during 2023-24.		

6. Progressive Mine Closer Plan

S.N.	Item	Proposals	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 Annexure-20	Yes	PMCP report Submitted with AR on 17/6/24	
6b	Area available for rehabilitation (Ha)	Not in Proposal	No work has been carried out during 23-24	
6c	Afforestation done (ha)	0.5	2.9718Ha	
6d	No. of saplings planted during the year	1000	5230	
6e	Cumulative no. of plants	Not in Proposal	22380	
6f	Any other specific method of rehabilitation	By water reservoir	No work has been carried out during 23-24	
6g	Cost incurred on watch & care during the year	Rs.500000	Rs.750000	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L X B X D).	87750.00 m <sup>2</sup>	10.00 Ha. (PIT 6)	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings.	Not in Proposal	No work has been carried out	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area.	Not in Proposal	No work has been carried out	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir.	Not in Proposal	No work has been carried out	
6l	Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means	Not in Proposal	No work has been carried out	
6m	Compliance of Rehabilitation of waste land within lease (i) Afforestation	Not in Proposal	No work has been carried out	
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha)	Not in Proposal	No work has been carried out	
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	Not in Proposal	No work has been carried out	
6p	Compliance of Environment monitoring (core zone & buffer zone)	Regular Monitoring	Regular Monitoring is being done.	
6q	General remarks of inspecting officer on PMCP compliance & progressive closer operations	PMCP Compliance has been carried out as per Proposal.		

7. Mineral Conservation

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM Mineral Dispatch	ROM Mineral Dispatch	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not in Proposal	No work has been carried out	
7c	Different grade of mineral sort out at mine	Not in Proposal	No work has been carried out	
7d	Any beneficiation process at mines	Not in Proposal	No work has been carried out	

7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No Mineral beneficiation issues reported. Optimum use of mineral is being carried out.
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### 8. Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	32360.50	No removal of Topsoil	
8b	Concurrent use or storage of topsoil	Top Soil shall be concurrently utilizes for development of Pasture Land/Agri-farming.	No removal of Topsoil	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Not in Proposal	No work has been carried out	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not in Proposal	No work has been carried out	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not in Proposal	No work has been carried out	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	1000 saplings in 0.5Ha	No. of sapling Planted: 5230	
8g	Survival rate	70%	65%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on Haul Road.	Water sprinkling on Haul Road.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Mine is surrounded by little to no vegetation of local species. Plantation has been carried out within the lease by the lessee		

### 9. Compliance of Rule 45 (2023-24)

S.N.	Item	Comments	Observation	Remarks
9a	Status of submission of monthly and Annual returns	Monthly Return Submitted upto May'2024, 08/06/2024 Annual Return FY 23-24 is submitted on 17/06/2024		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer= Shri Mahendra Singh Meratia Geologist= Siddhartha Ranjan	Mining Engineer= Shri Mahendra Singh Meratia Geologist= Vikash Tiwari	Violation of Rule 55(1)(3) (i)
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O-C) Working - 176.858 Reclaimed-rehabilitated - 52.536 Occupied by plant, buildings, residential, welfare buildings and road - 0.963 Work done under progressive mine closure plan during the year - 4.605	Covered under current (O-C) Working - 181.718 Occupied by plant, buildings, residential, welfare buildings and road - 0.963 Work done under progressive mine closure plan during the year - 4.605	

9d	Scrutiny of Annual return on afforestation	Number of trees planted during the year - 5230 Survival Rate - 65 %	Number of trees planted during the year - 5230 Survival Rate - 65 %	
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	NIL	
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Grade of Ore:- Cement Opening stock at mine-head:- 0.00MT Production:-1830342MT Despatch:- 1810277MT Closing stock at mine-head:- 20065MT	Grade of Ore:- Cement Opening stock at mine-head:- 0.00MT Production:-1830342MT Despatch:- 1810277MT Closing stock at mine-head:- 20065MT	
9g	Scrutiny of Annual return on sale value, Ex.Mine price & production costs	Ex. Mine price - 195.17/- Cost of Production - 195.17/-	Ex. Mine price - 195.17/- Cost of Production - 195.17/-	
9i	Scrutiny of Annual return on Fixed assets	Value of Fixed Assets* (₹ 519530253) of Land Industrial Building and Machinery.	Value of Fixed Assets* (₹ 519530253) of Land Industrial Building and Machinery.	
9k	Scrutiny of Annual return on mining Machinerries	SURFACE MINER FRONT END LOADER DOZER TIPPER	SURFACE MINER FRONT END LOADER DOZER TIPPER	

Details of violations observed during current inspection:-  
Violation of Rule 11(1), has been observed.

Date: 03/12/2024

Naman Ekka  
SMG