

MCDR INSPECTION REPORT FY 2023-24

1) Name of Inspecting officer:	Mohammad Nimar
2) Designation	DCOM
3) Accompanying mine official with designation	Mahendra Singh Mertia- Mines Manager Vikas Tiwari- Geologist Hitesh Jadhav- Mining Engineer
4) Date of Inspection	15-07-2024
5) Type of inspection	Mining Plan, MCDR, Star Rating

Part-I: General

S. N.	Particulars	Details
1	Name of the Mine	Singsar Limestone Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	728.1156ha {Non-Forest: 704.4516ha (Agriculture Land), 16.0257ha (Gauchar Land) and 7.6383 (Waste Land)} Forest: Nil
3	Mine code	38GUJ08351
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/447/2011
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. ceo.cementbusiness@adani.com
6	Village	Singsar, Barevla and Thordi
7	Taluka/Mandal	Sutrapada
8	District	Gir-Somnath
9	Pin code	362715
10	State	Gujarat
11	Post Office	Sutrapada
12	Nearest Police Station	Sutrapada
13	Nearest Railway Station	Veraval
14	Date of Grant of Mining Lease	18 th OCT'2011 (vide Order No. MCR-112000-644-CHH) for a period of 30 years. Deemed extension is up to 07-12-2061
15	Date of Execution	08 th December'2011
16	Date of opening of Mine	15 th January'2012
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: 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 e.mail id: maheshkumar.jain@adani.com Date of appointment: 06/06/2022
22	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Shri Jitendra Prasad Kumawat 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: jitendraprasad.kumawat@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 Jitendra Prasad Kumawat Qualification – B.E. (Mining) Total experience -18 years M/s Ambuja Cements Limited, At & PO: Ambujanagar, Taluka: Kodinar, District: Gir Somnath, State: Gujarat- 362 715 Tel. #: (02795) 237217. e.mail id.: jitendraprasad.kumawat@adani.com Date of appointment: 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 Vikas Tiwari (Geologist) 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: vikas.tiwari3@adani.com Date of appointment: 29/05/2024
25	Date of Approval of Mine Plan/Modified Mine Plan with five-year period and specific condition in approval letter, if any.	Review of Mining Plan under Rule 17 of MCR 2016 for five year implementation period (2022-23 to 2026-27) was approved by Dy. Controller of Mines, IBM, Udaipur, vides Letter No.682 (4) (1) /MP-311/2021-21, dated 19 th Jan, 2021.
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 alongwith PMCP under Rule 17(2) of MCR 2016 & 23 of MCDR,2017 for five year implementation period (2021-22 to 2025-26) was approved by Regional Controller of Mines, IBM, Ajmer, vides Letter No.684 (4) (1) /MP-311/2020-21, dated 29 th Jan, 2021.
27	Mineral(s) granted in lease and approved for Mining	Limestone
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanized, Others or Manual)	Fully Mechanised
30	Captive/Non-Captive	Captive

PART III-MCDR Report details.

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. (Duplication of information in existing TMIS data sheets and draft write up has been avoided.)

Exploration

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Not Proposed.	Not Applicable	Exploration of entire lease area done Up to G1 level and completed in 2012.
1b	Exploration over lease area for Geological axis 1 or 2.	Not 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 Remained for exploration	Not Applicable	
1e	Balance reserves as on 01.04.2024 (in tones)	Limestone: 83507090	Limestone: 85364127	
1f	General remarks of Inspecting officer on geology, exploration etc.	Area is already explored in G1 level.		

2. Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	During the year 2023-24 the development has been proposed for Limestone= E666837-670497 To N2303127-2300473 in Block I, V, IX and Total 21.40Ha fresh area opened.	E669616.7,N2301741.1 & E667960.5,N2300639.5	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	342513 m ³	No top soil generated	
2c	Stripping ratio or ore to OB ratio	No Over burden	Not Applicable	
2d	Quantity of topsoil generation in m ³	342513	No top soil generated	
2e	Quantity of overburden generation in m ³	Not Proposed	Not applicable	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	No fresh ground is broken and hence no top soil and overburden removed.		

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-83, 31ext, 50ext.	N20°47'.681, E 70°37.146' within 20.807887N,70.6300 33E & 20.806270N,70.6095 41E	
3b	Quantity of ROM mineral production proposed	Limestone:3000000 MT	Limestone:1073349 MT	

3c	Recovery of Salable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Not Proposed	Not applicable	
3e	Grade of mineral reject generation and threshold value declared	Not Proposed	Not applicable	
3f	Quantity of sub-grade mineral generation	Not Proposed	Not applicable	
3g	Grade of sub-grade mineral generation	Not Proposed	Not applicable	
3h	Manual/Mechanized method adopted for segregation from ROM	Not Proposed	Not applicable	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Proposed	Not applicable	
3j	Provision of drilling & blasting in mineral benches	Not Proposed	Not applicable	
3k	Provision of mining machineries in mineral benches	Surface Miner (350 TPH), Hydraulic Excavator (3.0 m ³ bucket), Front End Loader (5.0 m ³), Dozer (410 Hp) and MM Tip-tailors & AMW (35 tonnes)	Surface Miner (350 TPH), Hydraulic Excavator (3.0 m ³ bucket), Front End Loader (5.0 m ³), Dozer (410 Hp) and MM Tip-tailors & AMW (35 tonnes)	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Not Proposed	Not applicable	
3m	Total area covered under excavation /pits (Ha.)	255.27 Ha (upto approved plan period)	174.0202 Ha (upto FY 23-24)	
3n	Ore to OB ratio for the pit/mine during the year	Not Proposed.	Not Applicable	
3o	Total area put in use under different heads at the end of year	Area under Mining:- 255.27 ha Top Soil Storage: 2.23Ha Road:4.50 Ha	Area under Mining:- 174.0202 ha Reclaimed & rehabilitated: 16.431Ha Plantation: 2.164Ha Road:4.496 Ha	
3p	Production of ROM mineral during last five-years period, as Applicable	2018-19=3.0 2019-20= 3.0 2020-21= 3.0 2021-22= 3.0 2022-23= 3.0 2023-24= 3.0	2018-19-2.456 2019-20= 2.66 2020-21= 1.476 2021-22= 1.869 2022-23= 1.568 2023-24= 1.14	
3q	General remarks of inspecting officer on method of mining etc	Mining is being done with Surface Miner, Rock breaker, Dozer, Loader and dumpers. No Drilling & blasting is being carried out. Production is less than proposed quantity as land acquisition as planned couldn't be executed.		

4. Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
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4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	OB:- Not in Proposal Mineral Reject:- Not in Proposal Topsoil:- 342513 m ³	OB:- As per Proposal Mineral Reject:- As per Proposal Topsoil:- Nil	No fresh ground is broken and hence no top soil and overburden removed
4b	Location of topsoil, OB & mineral reject dumps	OB:- Not in Proposal Mineral Reject:- Not in Proposal Topsoil:- E666837-670497 To N2303127-2300473 in Block I, V, IX	Nil	
4c	Number of Dumps within lease area and outside lease area	Not Proposed	Not applicable	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Not Proposed	Not applicable	
4e	Number of Active & Alive dumps	Not Proposed	Not applicable	
4f	Number of dead dumps	Not Proposed	Not applicable	
4g	Number of dumps established	Not Proposed	Not applicable	
4h	Whether Retaining wall or garland drain all along dumps are there	Not Proposed	Not applicable	
4i	Length of Retaining wall or garland drain all along dump	Not Proposed	Not applicable	
4j	Number of settling ponds	Not Proposed	Not applicable	
4k	Specific comments of inspecting officer on waste dump management	No fresh ground is broken and hence no top soil and overburden removed		

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	Not Proposed	Not applicable	
5b	Area under backfilling of mined out area	Not Proposed	Not applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	342513	Nil	
5d	Total area fully reclaimed & rehabilitated (Ha)	Not Proposed	Not applicable	
5e	General remarks of inspecting officer on backfilling, reclamation etc	No fresh ground broken.		

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	Submitted on 20 th June 2024.	

6b	Area available for rehabilitation (Ha)	Not in Proposal	As per Proposal
6c	Afforestation done (ha)	2.0	<1 ha
6d	No. of saplings planted during the year	3000	770
6e	Cumulative no. of plants	3000 every year	5003
6f	Any other specific method of rehabilitation	Not in Proposal	As per Proposal
6g	Cost incurred on watch & care during the year	Rs.11500000	Rs.2951666
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L X B X D).	Not Proposed	Not applicable
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings.	Not Proposed	Not applicable
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area.	Not Proposed	Not applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir.	Not Proposed	Not applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means	Not Proposed	Not applicable
6m	Compliance of Rehabilitation of waste land within lease (i) Afforestation	Not Proposed	Not applicable
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation	Not Proposed	Not applicable
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	Not Proposed	Not applicable
6p	Compliance of Environment monitoring (core zone & buffer zone)	Regular Monitoring	Quarterly
6q	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Plantation done is less than that of proposed in Mining plan. Violation under Rule 11(1) is already sent and complied.	

7. Mineral Conservation

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	Not Proposed	Not applicable	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not Proposed	Not applicable	
7c	Different grade of mineral sort out at mine	Not Proposed	Not applicable	

7d	Any beneficiation process at mines	Not Proposed	Not applicable	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Total ROM produced is being used at captive cement plant.		

8. Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	342513	Nil	
8b	Concurrent use or storage of topsoil	Top Soil shall be concurrently utilizes for development of Pasture Land/Agri-farming.	Not applicable	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Not Proposed	Not applicable	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Proposed	Not applicable	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	Not applicable	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	3000 saplings in 2Ha	No. of sapling Planted: 770(ML),	
8g	Survival rate	80%	100%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on Haul Road.	Through water tanker	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	The mine is surrounded by nearby villages		

9. Compliance of Rule 45 (2023-24)

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	Monthly Return Submitted upto July '2024. Annual Returns of FY 22-23 and FY 23-24 is submitted are submitted within stipulated time.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mines Manager= Mr. Jitendra Prasad Kumawat Mining Engineer= Mr. Jitendra Prasad Kumawat Geologist= Mr. Vikas Tiwari	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	a) Covered under current (O-C) Workings -174.02 Ha b) Reclaimed-rehabilitated - 16.431	

		c) Occupied by plant, buildings, residential, Roads- 4.496 d) Others- 2.164	
9d	Scrutiny of Annual return on afforestation	Inside ML-770 Outside ML:00	
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	
9f	Scrutiny of Annual return on ROM stock and/or grade ore	LIMESTONE Cement Grade : 69614MT	
9g	Scrutiny of Annual return on sale value, Ex.Mine price & production costs	Ex Mine Price- 182/- Cost of Production- 182/-	
9i	Scrutiny of Annual return on Fixed assets	Rs. 473610988/-	
9k	Scrutiny of Annual return on mining Machineries	SURFACE MINER 950.000 HP 1, DOZER 410.000 HP 1, WHEEL LOADER 5.000 CUM 1, BACK HOE 1.000 CUM 1, BACK HOE 1.000 CUM 1, TIPPER 15.000 CUM 29	

During the inspection it was heavily raining, No mining operation was being carried out except dispatch from stockyard with help of Backhoe and dumpers. Total Mining area couldn't be inspected as there was no access because of heavy Rain.

Details of violations observed during current inspection and compliance position of earlier violation pointed out:-

- 1) Rule 11(1):- plantation done is only 770 against proposed quantity of 3000.
- 2) Rule 34(A):- Drone data submitted in DDMS portal is not as per the SOP given in this regard.

Violation letter was issued on 19-08-2024 and the same has been complied on 01-10-2024.

Mohammad Nimar
Deputy Controller of Mines