

MCDR INSPECTION REPORT

1.0 **GENERAL**

S.No	Particulars	Details
1(a)	Name of the Mine	सिंगसर चूनापत्थर खान
1(b)	Name of Inspecting Officer & Designation	मनीष गुप्ता, सहायक खान नियंत्रक
1(c)	Accompanying Representatives Mines	श्री महेश कुमार जैन, खान अभिकर्ता
1(d)	Type of Inspection	स्टार रेटिंग
1(e)	Date of Inspection	09.08.2023
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	728.1156 हे. (Non-forest)
3	Mine Code	38GUJ08351
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/447/2011
5	Name of the lessee, Address, phone, email and fax number	अंबुजा सीमेंट लि कोडीनार, जिला - गिर सोमनाथ, गुजरात Phone : 02795 - 221137, 237011 Email - md.office@adani.com Fax number : 02795 - 220328, 232032
6	Village	सिंगसर, बरेवला, थोरडी
7	Taluka/Mandal	सूत्रापाडा
8	District	गिर-सोमनाथ
9	Pincode	362 715
10	State	गुजरात
11	Post office	सूत्रापाडा
12	Nearest police station	सूत्रापाडा
13	Nearest Railway station	वेरावल
14	Date of Grant of Mining Lease	18.10.2011
15	Date of Execution	08.12.2011
16	Date of opening of Mine	15.01.2012
17	Date of first Renewal, if applicable and its period & expiry	लागू नहीं
18	Date of second Renewal, if applicable and its period & expiry	लागू नहीं
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	लागू नहीं
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	श्री अजय कपूर Elegant Business park, MIDC Andheri (East), Mumbai- 400 059 Tel - 022 4066700, Fax -022 30827790 e-mail - ceo.cementbusiness@adani.com 17.09.2022
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	श्री महेश कुमार जैन अंबुजा सीमेंट लि, कोडीनार, जिला - गिर सोमनाथ, गुजरात Phone : 8401687187 e-mail - maheshkumar.jain@adani.com Fax number : 02795 - 220328, 232032, 16.06.2022

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22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	श्री जितेंद्र प्रसाद कुमावत अंबुजा सीमेंट लि, कोडीनार, जिला - गिर सोमनाथ, गुजरात Phone : 02795 - 221137, 237011 Email – jitendraprasad.kumawat@adani.com Fax number : 02795 - 220328, 232032 01.08.2022
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	श्री जितेंद्र प्रसाद कुमावत अंबुजा सीमेंट लि, कोडीनार, जिला - गिर सोमनाथ, गुजरात Phone : 02795 - 221137, 237011 Email – jitendraprasad.kumawat@adani.com Fax number : 02795 - 220328, 232032 01.08.2022
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55& carrying out their duties as per rule 56 & 57.	हां
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	684(4)(1)/MP-311/2020-21 GNR दिनांक 29.01.2021
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	--
27	Mineral(s) granted in lease and proved for mining	चूनापत्थर
28	Method of Mining(Opencast, Underground)	Opencast
29	Category (Fully Mechanised, Others or Manual)	A Mechanized
30	Captive/Non Captive	Captive

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

Exploration

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
1a	Backlog of previous year	NIL	N.A	
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal.	As per proposal.	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NIL	N.A	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	N.A	
1e	Balance reserves as on 01.04.2023	88.07 million Tonnes (as on 01.04.2022)	88.507 million Tonnes (as on 01.04.2023)	
1f	General remarks of inspecting officer on geology, exploration etc.	पट्टा आवंटन के बाद 121 Borehole लगाए गए हैं। पट्टा क्षेत्र G1 के अंतर्गत है। वर्ष 2022-23 में कोई प्रस्ताव नहीं था।		

2.0 Development

SN	Item	Proposals (2022-23)	Actual (2022-23)	Remarks
2a	Location of development w.r.t. lease area	Block IV, V & IX	Partly worked in proposed area.	Lagging in ROM.

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2b	Separate benches in topsoil, overburden and mineral (Rule 15)	The top soil will be removed separately and used for plantation. Overburden does not exist.	As per proposal.	
2c	Stripping ratio or ore to OB ratio	--	--	Limestone deposit is free from overburden.
2d	Quantity of topsoil generation in m ³	240875 मी ³	49724 मी ³	
2e	Quantity of overburden generation in m ³	--	--	No OB in area.
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Lease area has developed by various pits as per quality of ROM and plant requirement.		

3.0 Exploitation

S N	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
3a	Number of pits proposed for production	03	03	
3b	Quantity of ROM mineral production proposed	3.0 million tonnes	1.568262 million tonnes	Low production due to less plant requirement.
3c	Recovery of saleable/usable mineral from ROM production	100%	As proposed	
3d	Quantity of mineral reject generation	NIL	N.A	
3e	Grade of mineral reject generation and threshold value declared	NIL	N.A	
3f	Quantity of sub-grade mineral generation	NIL	N.A	
3g	Grade of sub-grade mineral generation	NIL	N.A	
3h	Manual / Mechanised method adopted for segregating from ROM	N.A	N.A	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	N.A	N.A	
3j	Provision of drilling & blasting in mineral benches	No	N.A	Surface miner completely eliminates drilling blasting and primary crushing unit and thus reduces their associated environmental hazards.
3k	Provision of mining machineries in mineral benches	Surface miner, Hydraulic Excavator, Front end loader, Tippers	As per proposal.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	The mine is being worked by surface miner without adoption of drilling & blasting.	As per proposal.	निरीक्षण के समय पिट में पानी भरा हुआ था।

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3m	Total area covered under excavation/pits	262.00 हे. (proposed for 2022-23 to 2025-26)	169.86 हे.	
3n	Ore to OB ratio for the pit/mine during the year	N.A	NIL	
3o	Total area put in use under different heads at the end of year	Pit- 169.86 हे. Infrastructure- 4.4956 हे.	Pit- 169.86 हे. Infrastructure- 4.4956 हे.	
3p	Production of ROM mineral during last five-year period, as applicable	2018-19: 3.0 2019-20: 3.0 2020-21: 3.0 2021-22: 3.0 2022-23: 3.0 (in Mi.T)	2018-19: 2.456 2019-20: 2.66 2020-21: 1.476 2021-22: 1.869 2022-23: 1.568262 (in Mi.T)	Less production as per demand.
3q	General remarks of inspecting officer on method of mining etc.	Deposit is sedimentary. It is suitable to done eco friendly mining with the help of Surface miner.		

4.0 Solid Waste Management-Dumping

S N	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	Top soil : Proposed OB & Mineral reject : NIL	Yes N.A	
4b	Location of topsoil, OB & mineral reject dumps	NIL	N.A	Used in plantation.
4c	Number of dumps within lease area and outside lease area	NIL	N.A	No dump with in lease area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NIL	N.A	
4e	Number of active & alive dumps	NIL	N.A	
4f	Number of dead dumps	NIL	N.A	
4g	Number of dumps stabilised	NIL	N.A	
4h	Whether Retaining wall or garland drain all along dumps are there	NIL	N.A	
4i	Length of Retaining wall or garland drain all along dump	NIL	N.A	
4j	Number of settling ponds	NIL	N.A	
4k	Specific comments of inspecting officer	Lease area is free from OB and mineral reject. Generated top soil has used in plantation.		

5.0 Solid Waste Management-Backfilling

S N	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	NIL	N.A	
5b	Area under backfilling of mined out area	NIL	N.A	Not matured for backfilling.
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	Use in plantation	As per proposal	
5d	Total area fully reclaimed & rehabilitated	NIL	N.A	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling is not practical as there is no overburden in the area.		

6.0 Progressive Mine Closure Plan

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S N	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2)	As per rule	Submitted	
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	NIL 3000 NIL ₹11000000	N.A 190 NIL ₹ 654000.00 (including site restoration)	
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	NIL	NA	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	NIL	NA	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Environment monitoring (air quality, water quality & noise level) shall be done regularly.	Regular monitoring has been carried out.	Within limit.
6f	General remarks of inspecting officer on PMCP compliance & progressive	वर्ष 2022-23 के लिए प्रस्तावित वृक्षारोपण तथा Fencing नहीं लगाए गए हैं। नियम 11(1) का उल्लंघन दिया जा रहा है।		

7.0 Mineral Conservation

S N	Item	Proposals (2022-23)	Actual (2022-23)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	3.0 Mi.T	1.568262 Mi.T	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	NIL	N.A	
7c	Different grade of mineral sorted out at mines	NIL	N.A	
7d	Any beneficiation process at mines	NIL	N.A	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Entire limestone has been used in own plant, hence there is no need of any beneficiation.		

8.0 Environment

S N	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
8a	Separate removal and utilization	240875 मी ³	49724 मी ³	

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	of topsoil (Rule 36)			
8b	Concurrent use or storage of topsoil	Concurrent	As per proposal.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	NIL	N.A	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	N.A	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	N.A	
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	3000 plants	190 plants	
8g	Survival rate	--	80 %	
8h	Water sprinkling on roads to control airborne dust	Proposed.	Achieved.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	वर्ष 2022-23 का प्रस्तावित वृक्षारोपण नहीं किया गया है। नियम 11(1) का उल्लंघन दिया जा रहा है।		

9.0 Compliance of Rule 45

S. N	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	M.R. Submitted up to- July, 2023 on 07.08.2023 A.R. submitted for the year 2022-23 on 26.06.2023	

S. N.	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining engineer- Sh. Jitendra Prasad kumawat Geologist- Sh. Ajay Kumar Jain	Mining engineer- Sh. Jitendra Prasad kumawat Geologist- Sh. Siddarth ranjan	Form H submitted.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit- 169.86 हे. Infrastructure- 4.496 हे.		
9d	Scrutiny of Annual return on afforestation	190		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	--		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	₹ 205.17 is the production cost.		
9i	Scrutiny of Annual return on fixed assets	--		
9k	Scrutiny of Annual return on mining machineries	Wheel loader, Surface miner, Dozer, Shovel, Tipper		

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

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पिछले निरीक्षण दिनांक 12.11.2022 के आधार पर दिनांक 04.01.2023 को नियम संख्या 11(1) का उल्लंघन जारी किया गया था। दिनांक 03.03.23023 को इसकी पालना हो गई है। वर्तमान निरीक्षण स्टार रेटिंग मूल्यांकन तथा मुख्यालय से प्राप्त श्री राठोड़ भरतभाई बाबूभाई की Complaint के लिए किया गया था। Complaint संबंधी रिपोर्ट दिनांक 24.08.2023 को भिजवा दी गयी है। पिट में पानी भरा होने के कारण निरीक्षण के समय खनन कार्य बंद पाया गया। दिनांक 04.09.20232 को स्टार रेटिंग मूल्यांकन कर दिया है। मूल्यांकन के पश्चात खान 4 स्टार से 4 स्टार में रही है। वर्तमान निरीक्षण में नियम 11(1), 28, 33 read with 31(4) का उल्लंघन पाया गया, उल्लंघन पत्र जारी करने की कार्यवाही की जा रही है।

दिनांक : 04.09.2023

(मनीष गुप्ता)
सहायक खान नियंत्रक
गांधीनगर