

MCDR INSPECTION REPORT

1.0 **GENERAL**

S.No	Particulars	Details
1(a)	Name of the Mine	सुगाला चूनापत्थर, मार्ल खान
1(b)	Name of Inspecting Officer & Designation	मनीष गुप्ता, सहायक खान नियंत्रक
1(c)	Accompanying Mines Representatives	श्री त्रिपुरारी चौधरी, खान प्रबन्धक
1(d)	Type of Inspection	स्टार रेटिंग
1(e)	Date of Inspection	08.08.2023
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	417.3584 हे. (Non Forest- 414.8493ha, Agriculture Land- 2.5091 ha.)
3	Mine Code	38GUJ08299
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@ambujacement.com Fax number : 02795 - 220328, 232032
6	Village	सुगाला, जगतिया
7	Taluka/Mandal	कोडीनार
8	District	गिर-सोमनाथ
9	Pincode	362 715
10	State	गुजरात
11	Post office	घटवाड़
12	Nearest police station	घटवाड़
13	Nearest Railway station	वेरावल
14	Date of Grant of Mining Lease	19.07.2002
15	Date of Execution	02.09.2002
16	Date of opening of Mine	02.11.2002
17	Date of first Renewal, if applicable and its period & expiry	Lease Period extended up to 01.09.2052
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 Phone- 022-4066700, Fax -079-25555555 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 8401687187, Fax number : 02795 - 220328, 232032, maheshkumar.jain@adani.com , 16.06.2022
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	श्री त्रिपुरारी चौधरी अंबुजा सीमेंट लि, कोडीनार, जिला – गिर सोमनाथ, गुजरात 9764446383, Fax number : 02795 - 220328, 232032 tripurari.choudhary@adani.com , 01.08.2022
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax	श्री त्रिपुरारी चौधरी अंबुजा सीमेंट लि, कोडीनार, जिला – गिर सोमनाथ, गुजरात 9764446383, Fax number : 02795 - 220328, 232032

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	number and date of appointment in mine	tripurari.choudhary@adani.com , 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.	हाँ
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-361/2021-22GNR, Dt.17.12.2021
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, मार्ल
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	NIL	
1b	Exploration over lease area for Geological axis 1 or 2.	--	G1: 417.3584 हे.	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NIL	NIL	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	
1e	Balance reserves as on 01.04.2023	10760000 टन	10760000 टन	
1f	General remarks of inspecting officer on geology, exploration etc.	वर्ष 2022-23 के लिए पूर्वक्षण प्रस्ताव नहीं हैं। पूर्व में 91 बोर होल लगाए गए हैं		

2.0 Development

SN	Item	Proposals (2022-23)	Actual (2022-23)	Remarks
2a	Location of development w.r.t. lease area	Pit NO- 14, 21, 22, 24, 25	Pit NO- 14, 21, 22, 24, 25	
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	NIL	NIL	Scanty & thin layer of soil is present hence proposal of separate bench is not required.
2c	Stripping ratio or ore to OB ratio	1:0	1:0	खान पर OB नहीं है।
2d	Quantity of topsoil generation in m ³	203080 मी ³	121035 मी ³	
2e	Quantity of overburden generation in m ³	NIL	NIL	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	खान पर OB नहीं है। प्रस्ताव के अनुसार निर्धारित लक्ष्य के अंदर कार्य किया गया है।		

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3.0 Exploitation

S N	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
3a	Number of pits proposed for production	05	05	
3b	Quantity of ROM mineral production proposed	1290000 टन	1289683 टन	
3c	Recovery of saleable/usable mineral from ROM production	1290000 टन	1289683 टन	
3d	Quantity of mineral reject generation	NIL	NIL	खान पर Mineral reject नहीं है।
3e	Grade of mineral reject generation and threshold value declared	NIL	NIL	
3f	Quantity of sub-grade mineral generation	NIL	NIL	खान पर Sub grade mineral नहीं है।
3g	Grade of sub-grade mineral generation	NIL	NIL	
3h	Manual / Mechanised method adopted for segregating from ROM	NIL	NIL	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NIL	NIL	
3j	Provision of drilling & blasting in mineral benches	NIL	NIL	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, Ripper dozer, loader, Tippers	Surface miner, Hydraulic Excavator, Ripper dozer, loader, Tippers	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6.0 मी.	6.0 मी.	Surface miners cuts material with a cutting depth up to 350 MM. It creates very small benches of few centimetres.
3m	Total area covered under excavation/pits	238.364 हे.	224.97 हे.	
3n	Ore to OB ratio for the pit/mine during the year	1:0	1:0	
3o	Total area put in use under different heads at the end of year	Pits- 238.364 हे. Others- 1.954 हे.	Pits- 224.97 हे. Others- 1.954 हे.	
3p	Production of ROM mineral during last five-year period, as applicable	2018-19: 1290000 टन 2019-20: 1290000 टन 2020-21: 1290000 टन 2021-22: 1290000 टन 2022-23: 1290000 टन	2018-19: 1277000 टन 2019-20: 1278000 टन 2020-21: 1288000 टन 2021-22: 1289000 टन 2022-23: 1289683 टन	
3q	General remarks of inspecting officer on method of mining etc.	Mechanised opencast 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
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4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	NIL	NIL	खान पर OB, mineral reject नहीं है। उत्पन्न Top soil वृक्षारोपण में उपयोग ली गयी है।
4b	Location of topsoil, OB & mineral reject dumps	NIL	NIL	
4c	Number of dumps within lease area and outside lease area	NIL	NIL	खान पर Dump नहीं है।
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NIL	NIL	
4e	Number of active & alive dumps	NIL	NIL	
4f	Number of dead dumps	NIL	NIL	
4g	Number of dumps stabilised	NIL	NIL	
4h	Whether Retaining wall or garland drain all along dumps are there	NIL	NIL	
4i	Length of Retaining wall or garland drain all along dump	NIL	NIL	
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer	पट्टा क्षेत्र में OB, mineral reject, dump नहीं हैं। 121035 मी ³ Top soil उत्पन्न हुई है जिसे पौधरोपण तथा pasture land विकसित करने के काम में लिया गया है।		

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	NIL	Backfilling का प्रस्ताव नहीं है।
5b	Area under backfilling of mined out area	NIL	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	Concurrent use	Concurrent use	
5d	Total area fully reclaimed & rehabilitated	Water reservoir: 13.10 हे. Agri-farming/pasture land: 37.35 हे.	Water reservoir: 13.10 हे. Agri-farming/pasture land: 37.35 हे.	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling के लिए filling material उपलब्ध नहीं है। Mined out क्षेत्र को water reservoir, Agri-farming/pasture land विकसित करने के काम में लिया गया है।		

6.0 Progressive Mine Closure Plan

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 27.06.2023	
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	5.0 हे. 7500	5.0 3535	नियम 11(1) का उल्लंघन दिया गया है।

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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	NIL	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	NIL	NIL	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Air quality, water quality & noise level monitoring	Regular monitoring has been carried out.	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Mined-out area after full extraction of mineral will be used as water reservoir. It will help to improve ground water level & quality.		

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	ROM	ROM	Directly used in own plant.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	NIL	NIL	
7c	Different grade of mineral sorted out at mines	NIL	NIL	
7d	Any beneficiation process at mines	NIL	NIL	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Lessee is working with 100% ROM recovery.		

8.0 Environment

S N	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	Proposed.	Achieved.	
8b	Concurrent use or storage of topsoil	Concurrent use.	As per proposal.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	NIL	NIL	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NIL	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NIL	
8f	Baseline information on existence of plantation & additional plantation done	NIL	15009	
8g	Survival rate	70%	70%	

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8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	General mine environment and aesthetic beauty is satisfactory.		

9.0 Compliance of Rule 45

S. N	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	जुलाई , 2023 की मासिक विवरणी दिनांक 08.08.2023 को जमा की गई। वर्ष 2022-23 की वार्षिक विवरणी दिनांक 27.06.2023 को जमा की गई।	

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	त्रिपुरारी चौधरी, खनन अभियंता अविनाश राय, भू वैज्ञानिक	त्रिपुरारी चौधरी, खनन अभियंता अविनाश राय, भू वैज्ञानिक	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pits- 224.97 हे. Others- 1.954 हे.	Pits- 224.97 हे. Others- 1.954 हे.	
9d	Scrutiny of Annual return on afforestation	3535	3535	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	NIL	NIL	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL	NIL	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	202.14 (Cost of production)	उचित है।	चूनापत्थर स्वयं के संयंत्र में काम लिया गया है।
9i	Scrutiny of Annual return on fixed assets	352998926.00	--	
9k	Scrutiny of Annual return on mining machineries	Surface miner, Front end loader, Dozer, Tipper	Surface miner, Front end loader, Dozer, Tipper	

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:-
पिछले निरीक्षण दिनांक 12.10.22 में कोई उल्लंघन नहीं पाया गया था। वर्तमान निरीक्षण तारक मूल्यांकन जांच के लिए किया गया। दिनांक 09.10.23 को मूल्यांकन कर दिया गया है, खान 4 स्टार श्रेणी में रही है। वर्तमान निरीक्षण में नियम 11(1) का उल्लंघन पाया गया, दिनांक 19.01.2024 को उल्लंघन पत्र जारी किया गया है।

गांधीनगर
दिनांक:

(मनीष गुप्ता)
सहायक खान नियंत्रक