

1.0 GENERAL

MCDR INSPECTION REPORT

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 तथा श्री सिद्धार्थ रंजन, भू-वैज्ञानिक
1(d)	Type of Inspection	स्टार रेटिंग
1(e)	Date of Inspection	12.10.2022
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 Tel - 022 4066700, Fax -022 30827790 e-mail - md.office@ambujacement.com
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 84016 87187 maheshkumar.jain@ambujacement.com Fax number : 02795 - 220328, 232032, 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 97644 46383 tripurari.choudhary@ambujacement.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	वही
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55& carrying out their duties as per rule 56 & 57.	श्री सिद्धार्थ रंजन अंबुजा सीमेंट लि, कोडीनार, जिला - गिर सोमनाथ, गुजरात Phone : 02795 - 221137, 237011 Email - md.office@ambujacement.com Fax number : 02795 - 220328, 232032 01.07.2020
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	682(23)MS-374/2006MCCM(N)-UDP Dt. 02-12-2016 Condition regarding change of the name of company from Gujarat Ambuja Cements LTD to Ambuja Cements LTD - It has been compiled by the order No. MCR-102011-1771-CHH01 Sachivalay Gandhinagar Dt 18.09.2017 & 17.10.2017
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 (2021-22)	Actual work (2021-22)	Remarks
1a	Backlog of previous year	Not any	N.A	
1b	Exploration over lease area for Geological axis 1 or 2.	Not proposed	N.A	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not proposed	N.A	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not proposed	N.A	
1e	Balance reserves as on 01.04.2022.	Reserves 111 18.661 million Tonnes	As per proposal.	
1f	General remarks of inspecting officer on geology, exploration etc.	100% area explored.		

2.0 Development

SN	Item	Proposals (2021-22)	Actual (2021-22)	Remarks
2a	Location of development w.r.t. lease area	During the year	Work done as per	

		development has been proposed between grid line 5 R 02 to 4 R 27 & E 1 to 5 R 02	proposal	
2b	Quantity benches in reject accumulation and mineral grade 15%	Quantity & 1500 liter of acid and acid is flow from accumulation as no proposal for separate bench There is no CM in the area	Not applicable	
2c	Stripping ratio as per 1500 ratio			
2d	Quantity of typical generation in ash	0.1500 m ³	0.1117 m ³	
2e	Quantity of irregular generation in ash			
2f	Control measure of disposing reject on development of pit with a slope of deposit etc.	Deposit has been developed properly		

R.F. Capitalization

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
2a	During the year development has been proposed between grid line 5 R 02 to 5 R 27 & E 02 to E 27	During the year development has been proposed between grid line 5 R 02 to 5 R 27 & E 02 to E 27	Achieved as per proposal and mercury of the pit is in progress	
2b	Quantity of ROM mineral production proposed	1.29 million tonnes	1.28 million tonnes	
2c	Recovery of extractable mineral from ROM production	No any rejects	N/A	
2d	Quantity of mineral reject generation	No any rejects	N/A	
2e	Grade of mineral reject generation and threshold value declared	NIL	N/A	
2f	Quantity of sub-grade mineral generation	NIL	N/A	
2g	Grade of sub-grade mineral generation	NIL	N/A	
2h	Manual/Mechanised method adopted for segregating from ROM	N/A	N/A	
2i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	N/A	N/A	
2j	Provision of drilling & blasting in mineral benches	No	N/A	Surface miner completely eliminates drilling blasting and primary crushing and thus reduces their associated environmental hazards.
2k	Provision of mining machineries in mineral benches	Surface miner, Hydraulic Excavator, Front end loader, Tippers	As per proposal	
2l	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	Surface miners cuts material with a cutting depth up to 150 MM. It creates very small benches of few centimetres.
2m	Total area covered under excavation/pits	9.4298 ha	3.269 ha	
2n	Ore to OB ratio for the pit/mine during the year	N/A	NIL	
2o	Total area put in use under different heads at the end of year	Pits- 9.4298 ha Waste/rejects- 0.0 Others- 1.18 ha	Pits- 3.269 ha Waste/rejects- 0.0 Others- 1.18 ha	

3p	Production of ROM mineral during last five-year period, as applicable	2017-18: 1.29 2018-19: 1.29 2019-20: 1.29 2020-21: 1.29 2021-22:	2017-18: 1.24 2018-19: 1.277 2019-20: 1.278 2020-21: 1.288 2021-22:	
3q	General remarks of inspecting officer on method of mining etc.	Eco friendly mining with the help of Surface miner.		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	Area is free from OB Top soil 94298 m ³	Top soil 84312 m ³	Utilized for development of pasture land.
4b	Location of topsoil, OB & mineral reject dumps	NIL	N.A	
4c	Number of dumps within lease area and outside lease area	NIL	N.A	
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	None.		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	N.A	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)	For development of pasture land/Agri-farming.	As per proposal.	
5d	Total area fully reclaimed & rehabilitated	Agri-farming/water reservoir- 21.77ha Pasture land- 44.4948ha	Agri-farming/water reservoir- 13.0982ha Pasture land- 37.3557ha	
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

SN	Item	Proposals (2021-22)	Actual work (2021-22)	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)	9.4298 ha	0.4257 ha	
	ii) Afforestation done (ha)	1.50 ha	2.6 ha	
	iii) No. of saplings planted during the year	1500	2610	
	iv) Cumulative no. of plants	24000	44576	
	v) Any other specific method of	NIL	NIL	

	rehabilitation vi) Cost incurred on watch & care during the year	10.77lacs	4.81 lacs	
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	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

SN	Item	Proposals (2021-22)	Actual (2021-22)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NIL	N.A	Directly used in own plant.
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	Lessee is working with 100% ROM recovery.		

8.0 Environment

SN	Item	Proposals (2021-22)	Actual work (2021-22)	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	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	1500 plants	2610 plants	
8g	Survival rate	60%	70 %	
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	General mine environment is good.
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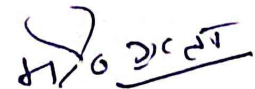
9.0 Compliance of Rule 45

S.N	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	M.R. Submitted upto- September, 2022 A.R. submitted for the year 2021-22 on 24.06.2022	

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- Mahendra singh Mertia Geologist- Siddharth Ranjan	Mining engineer- Tripurari Choudhary Geologist- Siddharth Ranjan	Form H submitted.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	156.902 हे.		
9d	Scrutiny of Annual return on afforestation	2610		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	1288538 tonnes		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Rs. 163.38 is the production cost		
9i	Scrutiny of Annual return on fixed assets	692644081.00		
9k	Scrutiny of Annual return on mining machineries	Surface miner- 2, Loader-2, Dozer-1, Tipper-40		

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:-
पिछले निरीक्षण दिनांक 26.02.2021 के आधार पर दिनांक 24.03.2021 को नियम संख्या 45(7) तथा 33 का उल्लंघन जारी किया गया था। इन दोनों नियमों की पालना दिनांक 06.07.2021 को हो गई है। वर्तमान में कोई उल्लंघन नहीं पाया गया।

दिनांक : 03.11.2022



(मनीष गुप्ता)

सहायक खान नियंत्रक