

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPMENT AND REGULATION DIVISION**

**MCDR INSPECTION REPORT**

**Nagpur regional office**

**Mine file No :** MAH/CND/LST-20/NGP

**Mine code :** 38MSH08021

- (i) Name of the Inspecting : **G002** ) **OM PRAKASH GOPAL**  
Officer and ID No.
- (ii) Designation : Regional Mining Geologist
- (iii) Accompanying mine : Shri. Harendra Dayal, GM, Mines  
Official with  
Designation
- (iv) Date of Inspection : 26-MAY-22
- (v) Prev.inspection date : 07-DEC-21

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **MARATHA (880.31 HA)**
- (b) **Registration NO.** : **IBM/447/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :  
State : MAHARASHTRA  
District : CHANDRAPUR  
Village : UPPARWAHI  
Taluka : RAJURA / KORPANA  
Post office : UPPARWAHI  
Pin Code : 442908  
FAX No. : 07173-40008  
E-mail :  
Phone : 40017-20
- (f) Police Station :
- (g) First opening date : 17-JUL-01
- (h) Weekly day of rest :
2. Address for : P.O.- UPPARWAHI, TAH.- KORPANA,  
correspondance : DISSTT.- CHANDRAPUR-442908  
STATE- MAHARASHTRA
3. (a) Lease Number : MSH0229
- (b) Lease area : 880.31
- (c) Period of lease : 50
- (d) Date of Expiry : 13-DEC-50
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : M/S GUJARAT AMBUJA CEMENTS LTD.  
P.O.- UPPARWAHI, TAH.-  
KORPANA, DISSTT.-  
CHANDRAPUR(M.S.) CHANDRAPUR  
MAHARASHTRA  
Phone:40017-20  
FAX :07173-40008

Owner : BIMLENDRA KUMAR JHA  
MD& CEO, Ambuja Cements  
Ltd, Elegant Business Park,  
MIDC Cross Road B, Andheri  
East MUMBAI (SUBURBAN)  
MAHARASHTRA  
Phone: 022-40667000  
FAX :

Agent : Sushil Paneri  
CHANDRAPUR MAHARASHTRA  
Phone:  
FAX :

6. Date of approval of Mining Plan/Scheme of Mining	:	Modif.of approved Mining Plan	17-MAR-05
		Renewal under rule 24 MCR1960	18-AUG-05
		Mining Scheme rule 12 MCDR1988	05-JUL-06
		Mining Scheme rule 12 MCDR1988	12-AUG-11
		FMCP under 23C(1)	31-JUL-13
		MP modif under MCR 1960	02-SEP-16
		MP review under 17(1) MCR 2016	18-DEC-20

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	NIL
1b	Exploration over lease area for geological axis 1 or 2	Exploration done so for axis 1 is adequate and there is no proposal	NIL	NIL
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NIL	NIL
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	NIL
1e	Balance reserve as on 01/04/20	Reserves as on 30/9/2020: 63.98 million tonne (111), 65.20 million tonnes (211)	NIL	NIL
1f	General remarks of inspecting officers on geology, exploration etc	NIL	NIL	Lease area has been explored by putting 560 boreholes at a grid spacing of 100 to 200 m. Geologically the the depth continuity of ore body has been proved upto 178 mrl.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	North Block : N 2185000-2185250 E 309150-309450  South Block : N 2180200-2181100 E 310400-311200	North Block : No development  South Block : N 2180200-2181100 E 310400- 311200	Deviation in site development was communicated to lessee through violation letter dated 7/6/2022
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Seperate benches for top soil, OB and minerals envisaged	Seperate benches for top soil, OB and minerals are being maintained	NIL
2c	Stripping ratio or ore to OB ratio	1:0.84	1: 0.12	NIL
2d	Quantity of topsoil generation in m3	70,000 m3	747 m3	Top soil generation is less as development in north block not done as per approved proposals.
2e	Quantity of overburden generation in m3	380000 m3	84236 m3	OB generation is less as development in north block not done as per approved proposals.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NIL	NIL	NIL

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**Exploitation:**

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two (North Block and south Block)	One (South Block)	NIL

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3b	Quantity of ROM mineral production proposed	2.00 Million Tonnes	1.8 Million Tonnes	NIL
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	NIL
3d	Quantity of mineral reject generation	NIL	NIL	NIL
3e	Grade of mineral rejects generation and threshold value declared.	No such proposal	NIL	NIL
3f	Quantity of sub grade mineral generation.	0.64 Million Ton	0.34 Million Ton	NIL
3g	Grade of sub grade mineral generation	34 to 42 Cao %	34 to 42 Cao %	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Mechanized	NIL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NIL	NIL
3j	Provision of drilling and blasting in mineral benches	DRilling and blasting proposed	Down the hole drill machine of 150mm size drill bit are deployed for drilling the blast holes. Rock breakers are also deployed for breaking oversized boulders .Explosives used are, ANFO, SME, Kelvex-P Kelvex-600, Kelvex-Extra (trade name), Solar Prime, Solar gel.	NIL

3k	Provision of mining machineries in mineral benches	Fully mechanized machineries	All the operations are through mechanical means as the mine is fully mechanized Category A mine.	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench height 8 meters	Bench height of 8.0 m is appropriate .	NIL
3m	Total area covered under excavation/pits	158.29 at the end of proposal period ie 31/3/2026	134.05 ha upto 31/3/2022	NIL
3n	Ore to OB ratio for the pit/mine during the year.	1:0.84	1: 0.12	NIL
3o	Total area put in use under different heads at the end of year	Proposed area put to use at the end of plan period ie 31/3/2026 158.29 ha, Mineral Storage: 2.0 ha Roads: 7.60 ha Infrastructure : 5.26 ha, OB/Waste Dump: 37.40 ha, Top Soil Stacking: 13.69 ha.	Area put to use as on 31/3/2022: Mining: 134.05 ha, Mineral Storage: 2.0 ha Roads: 5.63 ha Infrastructure: 5.26 ha, OB/Waste Dump: 22.10 ha, Top Soil Stacking: 9.13 ha .	NIL
3p	Production of ROM mineral during the last five year period as applicable	2021-22 -2.00 MT 2020-21- 2.00 MT 2019-20 -2.00 MT 2018-19- 2.00 MT 2017-18-2.00 MT	2021-22 -1.80 MT 2020-21- 1.68 MT 2019-20- 1.76 MT 2018-19- 1.87 MT 2017-18-1.77 MT	NIL

3q General remarks NIL NIL NIL  
of inspecting  
officers on  
method of mining  
etc.

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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Seperate dumping of top soi, OB and subgrade envisged.	Top soil & waste has been stack separately as per proposal	NIL
4b	Location of topsoil, OB and mineral reject dumps	Top soil : North Block: N 2184890- 2185000 E 309850- 310000; South Block: N 2180050- 2180150 E 310000- 310080 OB Dump: North Block: E 309700- 309900 N 2185100- 2185220; South Block: E 311370- 311500 N 2181070- 2181120 SG -Dump: North Block: E 310030- 310230 N 2184800- 2184920 South Block: E 311150- 311290 N 2181450- 2181520	Top soil : North Block: N 2184890- 2185000; E 309850- 310000; OB Dump : South Block: E 311370- 311500; N 2181070- 2181120 SG -Dump : South Block: E 311150- 311290; N 2181450- 2181520	NIL
4c	Number of dumps within lease area and outside of lease area	11	11	NIL

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	NIL
4e	Number of active and alive dumps.	5	5	NIL
4f	Number of dead dumps.	5	5	NIL
4g	Number of dumps established.	1	1	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposal for construction of retaining wall and garland drain along waste dumps are envisaged	To arrest wash of from dumps, retaining wall and garland drain are constructed	NIL
4i	Length of Retaining wall or garland drain all along dumps	150 m	150 m	NIL
4j	Number of settling ponds	NIL	NIL	NIL
4k	Specific comments of inspecting officer on waste dump management	NIL	NIL	NIL

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Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No such proposal	NIL	NIL
5b	Area under backfilling of mined out area	No such proposal	NIL	NIL

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5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No such proposal	NIL	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NIL	NIL	Backfilling and reclamation not applicable as mineral continued in depth and no such mined out area is available for Restoration or rehabilitation.

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Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Report of PMCP implemented should be submitted before 31st of july every year in respect of work done in previous year.	PMCP Report submitted	NIL
6b	Area available for rehabilitation (ha) .	NIL	NIL	NIL
6c	afforestation done (ha) .	1.5 ha	1.5 ha	NIL
6d	No. of saplings planted during the year	3000	3000	NIL
6e	Cumulative no .of plants	NA	NA	NIL
6f	Any other method of rehabilitation	None	None	NIL
6g	Cost incurred on watch and care during the year	NA	NA	NIL

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No such proposal	NIL	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No such proposal	NIL	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No such proposal	NIL	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No such proposal	NIL	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No such proposal	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Plantation 3000 saplings	3000 saplings	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	1.5 ha	1.5 ha	NIL

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Afforestation	Afforestation	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environmental monitoring in core zone and buffer zone	Environmental monitoring in core zone and buffer zone	NIL
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NIL	NIL	NIL

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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM is not dispatched. ROM after rushing and sizing and blended with sub-grade (if required) is being dispatched to Cement plant.	Crushing sizing and blending as per proposal	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Mechanical	NIL
7c	Different grade of mineral sorted out at mines.	No such proposal	NIL	NIL
7d	Any beneficiation process at mines	No such proposal	NIL	NIL

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NIL	NIL	NIL
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**Environment:**


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Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Separate removal and stacking of top soil & utilized for plantation	As per proposal	NIL
8b	Concurrent use or storage of topsoil	Storage and utilisation for plantation	Top soil stacked separately & used for plantation as per proposal	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Seperate dumps for OB	As per proposal	NIL
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No such proposal	NIL	NIL
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No such proposal	NIL	NIL

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8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Plantation of 3000 saplings	Plantation as per proposal	NIL
8g	Survival rate	NA	85%	NIL
8h	Water sprinkling on roads to control airborne dust	Yes	Automatic permanent sprinkler system installed along the haul road & 20 KL Water tanker Deployed.	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NIL	NIL	NIL

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	A monthly return shall be submitted to IBM on or before 10th of every month in respect of preceding month. Annual Returns shall be submitted to IBM before 1st July every year in respect of preceding year .	Monthly Returns and Annual Returns for 2021-22 submitted in online mode .	NIL

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: Shri Madhav Kundu, Geologist: Shri Vijay Pandole, Manager: Shri Pravin Khokale	Mining Engineer:, Geologist: and Manager are in place	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	i) Already exploited & abandoned by opencast (O/C) mining: 0.0 ha, (ii) Covered under current (O/C) Workings: 134.050 ha, (iii) Reclaimed/Rehabilitated 0.0 ha; (iv) Used for waste disposal : 25.90 ha; (v) Occupied by plant, buildings, residential, welfare buildings & roads: 10.890 ha, (vi) Other Purpose (Plantation ) : 52.260 ha (vii) Work done under progressive mine closure plan during the year: 0.0 ha	Reported details appear to be in order.	NIL
9d	Scrutiny of Annual return on afforestation	(i) Number of trees planted during the year: 3000 nos. (ii) Survival rate: 85%	Afforestation details apperas to be in ord.	NIL

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Mineral Rejects generated with grades (tonnes) a. Quantity 0 b. Grade 0 4.3 Underground Mineral Rejects generated with grades (tonnes) a. Quantity 0 b. Grade 0	There is no reject generation. Details appear to be in order	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM: Opening Stocks: NIL, Closing Stocks: NIL; Graded Ore: Opening Stocks: NIL, Closing Stocks: NIL	Details appear to be in order	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale Value: 0.0; Ex-mine price: Rs. 217.26/ tonnes; Cost of production: 217.26/ tonnes	There is no sale and entire dispatch is to captive cemet plant. Reported details regarding sale value, EMP and production cost appear to be in order.	NIL
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets: Rs. 366024906	Finacial aspects may not be commented upon.	NIL

9k	Scrutiny of Annual return on mining machineries	ROCK DRILL (NONELEC.) 115 MM- 2 nos. DOZER 340 HP - 2 nos. WATER TANKER 20000 LITRE- 1 no. SHOVEL (HYDRAULIC) 3.8 CUM- 1 no. SHOVEL (HYDRAULIC) 5.1 CUM- 2 no. SHOVEL (HYDRAULIC) 3.2 CUM- 1 no. DUMPER 55TONNE -9 no. MOTOR GRADER 145 HP- 1 no. CRANE 101 TONNE 1 no. EXPLOSIVE VAN 2.425 TONNE- 1 no. EXPLOSIVE VAN 10.020 TONNE- 1 no. JEEP/TRACTOR 70 HP- 2 no. WHEEL LOADER 5 CUM -1no. BACK HOE 0.9 CUM- 2 no.	A common fleet of mining machenaries being deployed in all the three contiguous leases. Mining Machenaries details appear to be in order.	NIL
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**Details of violations observed during current inspection and compliance position of violation pointed out**

Violation observed				Show couse position	
Rule NO.		Issued on	Compliance on	Rule NO.	Issued on Compliance on
MCDR17	Rule 11(1)	08-JUN-22	18-NOV-22		

**Date :**

**(OM PRAKASH GOPAL)**

Indian Bureau of Mines