

**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 : 38MSH08024

- (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 : 27-MAY-22
- (v) Prev.inspection date : 14-FEB-20

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **MARATHA LIMESTONE (49.00**
- (b) **Registration NO.** : **IBM/447/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : MAHARASHTRA
District : CHANDRAPUR
Village :
Taluka :
Post office :
Pin Code :
FAX No. : 07173240008,9
E-mail : tripurari.choudhary@ambujac
Phone : 07132400008,9
- (f) Police Station : Gadchandur
- (g) First opening date : 01-JAN-16
- (h) Weekly day of rest :
2. Address for : Maratha Limestone Mines
correspondance : Village- Uparwahi, Teh-Korpana
Dist-Chandrapur, Maharasthra- 442908
3. (a) Lease Number : MSH0375
- (b) Lease area : 49
- (c) Period of lease : 50
- (d) Date of Expiry : 23-MAY-56
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : M/S AMBUJA CEMENTS LTD.
 ELEGANT BUSINESS PARK
 GREATER BOMBAY MAHARASHTRA
 Phone:
 FAX :

Owner : Shri Bimlendra Jha
 MD& CEO, Ambuja Cements
 Ltd., Elegant Business
 Park, MIDC Cross Road B,
 Andheri East, Mumbai MUMBAI
 (SUBURBAN) MAHARASHTRA
 Phone: 022-40667000
 FAX :

Agent : Sushil Paneri
 CHANDRAPUR MAHARASHTRA
 Phone:
 FAX :

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	15-OCT-03
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	12-AUG-11
	:	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	There is no exploration proposal for the year 2021-22	NIL	Entire lease area has already been explored upto G1 level.
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	No exploration proposal for the year 2021-22	NIL	Entire area has already been explored upto G1 level.
1e	Balance reserve as on 01/04/20	Reserves as on 30/6/2020: 7.71 million tonnes (111)	Reserves as on 1/4/2022 : 7.32 million tonnes (111).	NIL
1f	General remarks of inspecting officers on geology, exploration etc	NIL	NIL	General strike of limestone deposit is NNW-SSE with varying dip almost flat to 30 degrees due east. Entire lease area of 49.0 ha area is mineralised and has already been explored upto G1 level

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	N 2179400- N2179600 and E 311350 - E311650 N 2179800- N2180200 and E 311250 - E311500	N 2179800- N2180200 and E 311250 - E311500	Captive mine. Production is as per plant's requirement. Development is also lagging against approved proposal.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Development of separate benches in Top Soil, Overburden and minerals proposed	Separate benches in Top Soil, Overburden and minerals are being maintained	NIL
2c	Stripping ratio or ore to OB ratio	1:0.55	1:0.02	Development is lagging against proposal
2d	Quantity of topsoil generation in m3	10,000 m3	NIL	NIL
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NIL	NIL	NIL

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit	One pit	NIL
3b	Quantity of ROM mineral production proposed	0.50 Million Tonns	0.25 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.	NA	NA	NIL
3f	Quantity of sub grade mineral generation.	0.1 million tonnes	67200 Tons	NIL
3g	Grade of sub grade mineral generation	CaO 35.68%	CaO 35.68%	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	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	Exploitation by conventional method of drilling and blasting by deploying 115mm dia drill machines.	Drilling & blasting parameters are being adopted as per proposal	NIL
3k	Provision of mining machineries in mineral benches	Provision for deployment of Fully mechanized mining 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 in OB and mineral will not be more than 8 Mtr .	Bench height maintained as per proposal	8.0 m bench height in OB and mineral is suitable for the proposed method of mining.

3m	Total area covered under excavation/pits	34.08 ha. upto the end of proposal period ie. 31/03.2026.	30.55 ha area as on 31.03. 2022.	NIL
3n	Ore to OB ratio for the pit/mine during the year.	1:0.55	1:0.02	Development is less as compared with proposal.
3o	Total area put in use under different heads at the end of year	As per approved mining plan area put to use under different heads at the end of plan period .e. 31.03.2026 are : Under mining: 34.08 ha, OB dump : 3.52 & Road: 1.53 ha.	Total area put to use as on 1.04.2022 as per submitted AR are as under: Area under Mining: 30.55 ha , Area under Waste Dump: 2.03 ha and area under road: 1.14 ha.	Working is restricted inside the area proposed.
3p	Production of ROM mineral during the last five year period as applicable	2021-22- 0.50 MT 2020-21- 0.50 MT 2019-20- 0.50 MT 2018-19- 0.50 MT 2017-18- 0.50 MT	2021-22- 0.25 MT 2020-21- 0.25 MT 2019-20- 0.35 MT 2018-19 -0.35 MT 2017-18- 0.36 MT	Actual production is less than proposal
3q	General remarks of inspecting officers on method of mining etc.	Category A fully mechanised mine. Proposed bench height less than 8 m. with	All the mining operations are through mechanised means and bench height of 8 m are being maintained.	NIL

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	It is proposed that generated top soil will be utilized for plantation purpose and OB will be dumped over existing waste dump .	Generation of top soil not reported. Waste dumping as per proposal.	NIL
4b	Location of topsoil, OB and mineral reject dumps	Concurrent use of top soil for plantation purpose. Propose location for Waste dump is N2179820- N2179900 and E 311050- E311120	Generation of top soil is not reported and Waste dumping are as per proposal .	NIL
4c	Number of dumps within lease area and outside of lease area	One.	One	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Inside UPL	As per proposal	NIL
4e	Number of active and alive dumps.	One	One	NIL
4f	Number of dead dumps.	NIL	NIL	NIL
4g	Number of dumps established.	NIL	NIL	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	20 m garland drain will be constructed in the periphery of dump area.	As per proposal	NIL
4i	Length of Retaining wall or garland drain all along dumps	Garland drain 20 m	As per proposal	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	Proposals	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
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No such Proposal	NIL	NIL
5d	Total area fully reclaimed and rehabilitated	No such Proposal	NIL	There is no such mature area for reclamation and rehabilitation.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No such Proposal for backfilling and reclamation etc.	NIL	Mineral continued in depth and there is no mature area for backfilling and reclamation.

Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Annual Report on PMCP imlemented during previous year should be submitted before 1st July every year.	PMCP Report for the year 2021-22 submitted	NIL
6b	Area available for rehabilitation (ha) .	NIL	NIL	NIL
6c	afforestation done (ha).	NIL	NIL	Entire lease area is mineralised and there is no proposal for afforestation within lease area.
6d	No. of saplings planted during the year	No such proposal	NIL	NIL
6e	Cumulative no .of plants	No such proposal	NIL	NIL
6f	Any other method of rehabilitation	No such proposal	NIL	NIL
6g	Cost incurred on watch and care during the year	No such proposal	NIL	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	Mineral still continued in depth and there is no scope for backfilling and reclamation of such mined out area.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No such proposal	NIL	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No such proposal	NIL	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environmental monitoring of air water and noise level should be undertaken in core and buffer zone	Monitoring as per proposal is in practice	NIL

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NIL	NIL	The mining lease area is contiguous with other two leases of same lessee and the three leases are being operated as single mine. Entire lease area is mineralised and under active mining and there is as such no PMCP proposal including afforestation proposals in respect of lease under reference .
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Dispatch of ROM after crushing/sizing and blending (if required).	As per proposal	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No such proposal	NIL	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

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	seperate removal and Utilizations of top soil for plantation	Generation of soil not reported in 2021-22	NIL
8b	Concurrent use or storage of topsoil	Concurrent use.	There is no Generation of soil in 2021-22	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Waste dumping over the dump situated in western part of the lease area.	Generated waste are being dumped over waste dump situated in western part of the lease area.	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
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No proposal for plantation	NIL	NIL
8g	Survival rate	No such proposal	NIL planation	NIL
8h	Water sprinkling on roads to control airborne dust	Proposal for sprinkling of water to control airborn dust envisaged	Sprinkling on haul roads as per proposal is being implemented.	NIL

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NIL	NIL	Entire lease area is mineralised and is under active mining therefore there is no scope for plantation inside lease area. However, to retain aesthetic beauty in and around the lease area plantation are being done in contiguous leases of same lessee.
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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 before the 10th day of every month in respect of the preceeding month. An Annual Return shall be submitted to IBM before the 1st day of July each year for the preceeding year.	Monthly and Annual Returns for the reporting period are being submitted within stipualted time frame.	NIL
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: Shri Sanjay Upare, Geologist: Shri R.Vishwakarma nd, 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.	Area under open cast working: 30.55 ha, WASTE Dumps: 2.03 ha and Infrastructure : 1.14 ha	Details rearding area put to use are more or less in order.	NIL
9d	Scrutiny of Annual return on afforestation	NIL plantation	No Plantation during reporting period	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	No reject generation during reporting period	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM opening and closing stocks NIL. Graded ore opening and closing stocks NIL	Details on stocks is in order.	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale Value: Rs. 217.26/tonnes Ex mine Price: NIL Production cost: Rs. 217.26/tonnes	Entire production is being dispathed to captive cement plant.	NIL
9h	Scrutiny of Annual return on fixed assets	Fixed Assets: Rs. 366024906/-	Finacial aspects may not be commented upon.	NIL
9k	Scrutiny of Annual return on mining machineries	ROCK DRILL : 2 nos; DOZER : 2 no. WHEEL LOADER 1 no; SHOVEL 4 nos; JEEP/TRACTOR 3 no; DUMPER 9 nos; MOTOR GRADER 1 no; CRANE 1 no; EXPLOSIVE VAN 2 WATER TANKER 1 no; BACK HOE 1no.	Common fleet of mining macheneries are being deployed in all the three contiguous leases of same lessee.	NIL

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

Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on

Date :

(OM PRAKASH GOPAL)

Indian Bureau of Mines