

MCDR INSPECTION REPORT

General

S. N.	Particulars	Details
1	Name of the Mine	Maratha Limestone Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non-Forest - 579.90 ha. Forest - Nil
3	Minecode	38MSH08022
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/447/2011
5	Name of the lessee, Address, phone, email and fax number	Ambuja Cements Ltd. Village - Upparwahi, - 442908 Tahsil - Korpna, Distt- Chandrapur (Maharashtra). Phone - 07173-240015-20, rajivranjan.prasad@ambujacement.com Fax - 07173 - 240008, 9
6	Village	Upparwahi
7	Taluka/Mandal	Korpana
8	District	Chandrapur
9	Pincode	442 908
10	State	Maharashtra
11	Post office	Upparwahi
12	Nearest police station	Gadchandur
13	Nearest Railway station	Ballarsha
14	Date of Grant of Mining Lease	14.03.1984
15	Date of Execution	31.12.1984
16	Date of opening of Mine	17.07.2001
17	Date of first Renewal, if applicable and its period & expiry	31.12.2004, 20 Yrs, 30.12.2034
18	Date of second Renewal, if applicable and its period & expiry	Not Applicable
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not Applicable
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Mr. Ajay Kapur MD & CEO Ambuja Cements Ltd Elegant Bussiness Park, MIDC CrossRoad B, Off Andheri-Kurla Road, Andheri East Mumbai 022 – 40667000 ajay.kapur@ambujacement.com 022-40667711 01.08.2013
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr. S. K. Paneri Vice President (Operations)

		Ambuja Cements Ltd. (Unit - Maratha Cement Works) Village - Upparwahi, Tah – Korpana Distt - Chandrapur (Maharashtra) 07173-240015-20 sushil.paneri@ambujacement.com 07173-240008, 9 09.03.2016
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mr. Tripurari Choudhary Ambuja Cements Ltd. (Unit - Maratha Cement Works) Village - Upparwahi, Tah – Korpana Distt - Chandrapur (Maharashtra) 07173-240015-20 tripurari.choudhary@ambujacement.com 07173-240008, 9 25.03.2015
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mr. R. R. Prasad General Manager (Mines) Ambuja Cements Ltd. (Unit - Maratha Cement Works) Village - Upparwahi, Tah – Korpana Distt - Chandrapur (Maharashtra) 07173-240015-20 rajivranjan.prasad@ambujacement.com 07173-240008, 9 25.03.2015
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	i. 09.07.2016 ii. 18.08.2005 (for renewal of ML)
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	i. 11.06.2009 ii. 20.02.2015
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Open cast, Underground)	Open cast
29	Category (Fully Mechanised, Others or Manual)	Fully Mechanised
30	Captive/Non Captive	Captive

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. (Duplication of information in existing TMIS data sheets and draft write up has been avoided.)

Exploration

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	0	0	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	0	0	
1d	Balance area to be explored to bring Geological axis in 1 or 2	0	0	
1e	Balance reserves as on 01.04.20...	0	0	
1f	General remarks of inspecting officer on geology, exploration etc.	No proposal of exploration & area already explored		

Development

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	S1200-S1400 E800-E1200 S1200-S1500 E700-E1000 S1700-S2000 E1400-E1800 S1700-S2100 E1000-E1600 E1700-E1900 S400-S600 W200-W0	S1300-S1400 E800-E1100 S1275-S1400 E775-E925 - S1700-S2100 E1100-E1550 - S350-S550 W200-W100	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Planned	Yes	
2c	Stripping ratio or ore to OB ratio	1:0.44	1:0.16	
2d	Quantity of topsoil generation in m3	0.03 M3	0.160 M3	
2e	Quantity of overburden generation in m3	0.33 M3	0.097 M3	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The benches in overburden are sufficiently advanced & not interfering with the mineral bench.		

Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	S1200-S1400 E800-E1200 S1200-S1500 E700-E1000 S1700-S2000 E1400-E1800 S1700-S2100	S1300-S1400 E800-E1100 S1275-S1400 E775-E925 - S1700-S2100	

SN	Item	Proposals	Actual work	Remarks
		E1700-E1900	-	
		S400-S600 W200-W0	S350-S550 W200-W100	
3b	Quantity of ROM mineral production proposed	1.5 Million Tons	1211500 T	
3c	Recovery of salable/usable mineral from ROM production	1.5 Million Tons	1211500 T	
3d	Quantity of mineral reject generation	0.421 Million Ton	0.194 Million Ton	
3e	Grade of mineral reject generation and threshold value declared	Cao <34	0.194 Million Ton	
3f	Quantity of sub-grade mineral generation	0.239 Million Ton	0.104 Million Ton	
3g	Grade of sub-grade mineral generation	34 < Cao < 42	0.104 Million Ton	
3h	Manual / Mechanised method adopted for segregating from ROM	Yes	Yes	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No	No	
3j	Provision of drilling & blasting in mineral benches	Yes.	Yes	
3k	Provision of mining machineries in mineral benches	Yes. HEMM Deployed	Yes	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, 8 Mtr	Yes, 8 Mtr	
3m	Total area covered under excavation/pits	4.53 ha	18.48 ha.	
3n	Ore to OB ratio for the pit/mine during the year	1:0.57	1:0.16	
3o	Total area put in use under different heads at the end of year	Not Mentioned	59.66	
3p	Production of ROM mineral during last five-year period, as applicable	2015-16–1.5 MioT 2014-15–1.5 MioT 2013-14–1.5 MioT 2012-13–1.5 MioT 2011-12–1.5 MioT	2015-16 – 1211500 T 2014-15 – 1216550 T 2013-14 – 1230050 T 2012-13 – 1396350 T 2011-12 – 1452100 T	
3q	General remarks of inspecting officer on method of mining etc.	Actual production does not exceed the proposed production.		

Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Yes	Done	
4b	Location of topsoil, OB & mineral reject dumps	TS E1200-E1400 S1900-S2000 WD E900-E1100 S2400-S2500 SG E1000-E1200 S2100-S2300	TS S1890-S2010 E1200-S1350 And S1650-S1790 W450-W270 WD S2260-S2520 E760-E1160	

			SG S2070-S2290 E950-E1280	
4c	Number of dumps within lease area and outside lease area	Nil	04	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	NA	
4e	Number of active & alive dumps	Nil	04	
4f	Number of dead dumps	Nil	0	
4g	Number of dumps stabilized	Nil	0	
4h	Whether Retaining wall or garland drain all along dumps are there	Nil	Not Provided	
4i	Length of Retaining wall or garland drain all along dump	Nil	Not Provided	
4j	Number of settling ponds	Nil	2	
4k	Specific comments of inspecting officer on waste dump management	Garland drains & retaining wall all along the toe of the dump was not constructed as per the proposal.		

Solid Waste Management-Backfilling

SN	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Nil	Nil	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Nil	Nil	
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	No proposals for backfilling.		

Progressive Mine Closure Plan

SN	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2). Details should be given in the format as given in Annexure-20.	Yes	Yes	
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	1 Ha.	Nil 3.16 ha. 7900 Nos 94537 Nos Rs.59835/-	

SN	Item	Proposals	Actual work	Remarks
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)	Available	Complied with	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	More area covered for plantation as proposed.		

Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Nil	Nil	
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	No	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues			

Environment

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Yes	
8b	Concurrent use or storage of topsoil	Yes	Yes	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes	Yes	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes	Yes	
8f	Baseline information on existence of plantation & additional plantation	1.0 ha	3.16 ha.	
8g	Survival rate	Not available	81.54%	
8h	Water sprinkling on roads to control airborne dust	Yes	3 Nos Water tanker deployed	

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Plantation done & dust suppressions control measure in place.	
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Compliance of Rule 45

SN	Item	Comments	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted upto August 2016 A.R. submitted upto April 15 to March 2016	

SN	Item	Details given in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Correct	Provided	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Correct	Provided	
9d	Scrutiny of Annual return on afforestation	Correct	Provided	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Correct	Provided	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Correct	Provided	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Correct	Provided	
9i	Scrutiny of Annual return on fixed assets	Correct	Provided	
9k	Scrutiny of Annual return on mining machineries	Correct	Provided	

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

During the inspection violation of Rules 13(1), 21 & 28 were observed and the same has been communicated to the lessee vide letter no.MAH/CDN/LST-20/NGP Dt. 20.10.2016.

No earlier violation existing .Only violation pointed out during the inspection.

(Name of inspecting officer with designation and date)