

MCDR INSPECTION REPORT

General

S. N.	Particulars	Details
1	Name of the Mine	Emami Cement Limestone Mines
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	395.05 ha, Non forest
3	Mine code	38CHG19001
4	IBM Registration Number under rule 45 of MCDR, 1988	16679
5	Name of the lessee, Address, phone, email and fax number	Emami Cement Ltd
6	Village	Risda
7	Taluka/Mandal	Baloda Bazar
8	District	Baloda Bazar-Bhatapara
9	Pincode	493332
10	State	Chhattisgarh
11	Post office	Risda
12	Nearest police station	Baloda Bazar
13	Nearest Railway station	Bhatapara
14	Date of Grant of Mining Lease	12.11.2007
15	Date of Execution	08.09.2009
16	Date of opening of Mine	07.08.2013
17	Date of first Renewal, if applicable and its period & expiry	N.A.
18	Date of second Renewal, if applicable and its period & expiry	N.A.
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	N.A.
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri S.S. Sharma, Date of appointment 15.05.2013
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Rajesh Deoliya, ,Date of appointment 17.07.2014
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri D.P. Dixit , ,Date of appointment 01.05.2013 Emami Cement Ltd dpdixit@emamicement.com
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri GP Sahu , ,Date of appointment 16.06.2016 gpsahu@emamicement.com
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Shri M. Siddik, Shri Satyanjay Kumar Chaturvedi, ,Date of appointment 21.05.2016
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	09.0.7.2008(Mining plan) 05.08.2016(Modification in approved Mining Plan)
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	19.01.2015(Mining Scheme)
27	Mineral(s) granted in lease and proved for mining	Limestone (Cement)
28	Method of Mining(Opencast, Underground)	Opencast
29	Category (Fully Mechanised, Others or Manual)	Fully Mechanized
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

S.N.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	2015-16
1b	Exploration over lease area for Geological axis 1 or 2.	395.05 ha	395.05 ha	2015-16
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Synergy Geotech Pvt Ltd	Rs-3031283/-	2015-16
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	2015-16
1e	Balance reserves as on 01.04.2015	121.9 MT	121.9 MT	2015-16
1f	General remarks of inspecting officer on geology, exploration etc.			The lease broadly covered under G1 & G2 scale of exploration.

Development

S.N.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Centre and southern w.r.t lease area.	Broadly as per proposal but less than proposal.	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	One bench in top Soil 1-3 mtr, OB- 3.5 mtr	One bench in top Soil 1-3 mtr, OB- 3.5 mtr	2015-16
2c	Stripping ratio or ore to OB ratio	1:046	N.A.	2015-16
2d	Quantity of topsoil generation in m ³	159000 M ³	153912M ³	2015-16
2e	Quantity of overburden generation in m ³	N.A.	N.A.	2015-16
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.			Development is less than proposal as mine is new and recently started working.

Exploitation

S.N.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	2 Nos	2 Nos	2015-16
3b	Quantity of ROM mineral production proposed	3.17 MT	Nil	2015-16
3c	Recovery of salable/usable mineral from ROM production	N.A.	N.A.	2015-16
3d	Quantity of mineral reject generation	N.A.	N.A.	2015-16
3e	Grade of mineral reject generation and threshold value declared	Cao_34%	Cao_34%	2015-16
3f	Quantity of sub-grade mineral generation	N.A.	N.A.	2015-16

3g	Grade of sub-grade mineral generation	N.A.	N.A.	2015-16
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Mechanized	2015-16
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	N.A.	N.A.	2015-16
3j	Provision of drilling & blasting in mineral benches	Yes	Yes	2015-16
3k	Provision of mining machineries in mineral benches			2015-16
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	10 Mtrs	10 Mtrs	2015-16
3m	Total area covered under excavation/pits	4.09 Ha.		2015-16
3n	Ore to OB ratio for the pit/mine during the year	1:0.46	N.A.(production Start on 22.06.2016)	2015-16
3o	Total area put in use under different heads at the end of year			2015-16
3p	Production of ROM mineral during last five-year period, as applicable	Last Five year proposal 0.5 M.T.	N.A.(production Start on 22.06.2016)	2015-16
3q	General remarks of inspecting officer on method of mining etc.			The mine is new and recently start production and method of mining is as per proposal

Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Yes	Yes	2015-16
4b	Location of topsoil, OB & mineral reject dumps			2015-16
4c	Number of dumps within lease area and outside lease area	One no within the lease	One no within the lease	2015-16
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)			2015-16
4e	Number of active & alive dumps	01	01	2015-16
4f	Number of dead dumps	Nil	Nil	2015-16
4g	Number of dumps stabilised	1 No.	1 No.	2015-16
4h	Whether Retaining wall or garland drain all along dumps are there	Nil	Nil	2015-16
4i	Length of Retaining wall or garland drain all along dump	Nil	Nil	2015-16
4j	Number of settling ponds	Nil	Nil	2015-16
4k	Specific comments of inspecting officer on waste dump management			Very small quantity of waste

				dump as mine is recently start working.
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Solid Waste Management-Backfilling

S.N.	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	N.A	N.A.	2015-16
5b	Area under backfilling of mined out area	N.A	N.A.	2015-16
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	N.A	N.A.	2015-16
5d	Total area fully reclaimed & rehabilitated	N.A	N.A.	2015-16
5e	General remarks of inspecting officer on backfilling, reclamation etc			There is no area matured for backfilling.

Progressive Mine Closure Plan

S.N.	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.	30.06.2016	24.06.2016	2015-16
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 2015-16rehabilitation vi) Cost incurred on watch & care during the year	N.A. 3075 9225 N.A.	N.A. 3.11 Ha. 3463(within the lease) 13723 N.A.	2015-16
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L *B * D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled	i) N.A.	i) N.A.	2015-16

	area iv) Rehabilitation by making water reservoir v) Any other specific means			
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	i) N.A.	i) N.A.	2015-16
6e	Compliance of Environmental monitoring (core zone & buffer zone)			2015-16
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations			2015-16

Mineral Conservation

S.N.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Sorting	Sorting	2015-16
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanized	Mechanized	2015-16
7c	Different grade of mineral sorted out at mines	N.A.	N.A.	2015-16
7d	Any beneficiation process at mines	Screen	Screen	2015-16
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues			There is no beneficiation and lesse taking care for mineral conservation by blending low grade material.

Environment

S.N.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)			
8b	Concurrent use or storage of topsoil	Plantation	Plantation	2015-16
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes	2015-16
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	N.A.	N.A.	2015-16
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	N.A.	N.A.	2015-16
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	3075	5887	2015-16
8g	Survival rate			

8h	Water sprinkling on roads to control airborne dust	By water tanker	By water tanker	2015-16
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The mine is newly opened and very less excavation done till the date of inspection no impact on environment observed.

Compliance of Rule 45

S.N.	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	Annual Return submission 2015-16 Monthly return submitted till Aug.2016.		2015-16
S.N.	Item	Details GIVEN in A.R.	Observation of I/Officer	2015-16
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sh.DP.Dixit (Mine Manager), Sh.GP Sahu(Mining Engineer), Sh. M. Siddik, Sh. S.K. Chaturvedi(Geologist)		2015-16
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit working-4.092 ha, Top soil Reomoval-23.936, Dumps area systematically -0.96 ha.		2015-16
9d	Scrutiny of Annual return on afforestation	5.29 ha.		2015-16
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	N.A.		2015-16
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM –Nil Production start on 22.06.2016.		2015-16
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Nil		2015-16
9i	Scrutiny of Annual return on fixed assets	Sheet Attached		2015-16
9k	Scrutiny of Annual return on mining machineries	Sheet attached	Machinaries used as per the information furnished	2015-16

Details of violations observed during current inspection and compliance position of earlier violation pointed out:- As the mine is very new and production started on 22.06.2016 no serious violation found.

Rajesh Kumar Das,Sr.ACOM,DOI-23.09.2016

(Name of inspecting officer with designation and date)