

## MCDR INSPECTION REPORT

### 1.0 GENERAL

SN	Particulars	Details
1	Name of inspecting office & designation	B.L.Gurjar DCOM & Shri Arun Prasad RCOM Nagpur
2	Date of inspection	10/1/2016
3	Name of the Mine	Shree Limestone mines
4	Total Lease Area (Ha) with breakup of Non-forest and forest land	531.126 ha
5	Mine code	38CHG 14027 Lease ML38/2007
6	IBM Registration Number under rule 45 of MCDR, 1988	IBM/960
7	Name of the lessee, Address, phone, email and fax number	M/S Shree Cement Ltd. P.B.No-33, Bangur Nagar PO- Beawer -305901 Dist- Ajmer , Rajasthan
8	Location of area -Village	Bharuwadih,semrdih
8	Taluka/Mandal /District	Baloda Bazar , Dist- Baloda Bazar
10	State	Chhattisgarh
11	Post office & PIN	Baloda Bazar-493332
12	Nearest police station	Baloda Bazar
13	Nearest Railway station	Tilda
14	Date of Grant of Mining Lease	12/1/2011
15	Date of Execution	12/1/2011
16	Date of opening of Mine	17/12/2012
17	Date of first Renewal, if applicable and its period & expiry	Not applicable
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.	Shri Prasant bagur whole time Director Sharma, Director M/S Shree Cement Ltd. P.B.No-33, Bangur Nagar PO- Beawer -305901 Dist- Ajmer , Rajasthan DON-17/12/2012
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri S C Suthar M/S Shree Cement Ltd. P.B.No-33, Bangur Nagar PO- Beawer -305901 Dist- Ajmer , Rajasthan DOA- 6/9/2012

22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri K.C Sharama E21- Krishana colony Baloda Bazar-493332  DOA: 17/12/2012
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri K.C Sharama E21- Krishana colony Baloda Bazar-493332  DOA: 13/2/2013
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Shri Rama Kant Sharma Shree cement ltd Baloda Bazar-493332  DOA-13/2/2013
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Date of Approval of Plan 26/3/2009.
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Nil
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 mine

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. –  
Exploration

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	40 nos of Boreholes	163 nos	
1b	Exploration over lease area for Geological axis 1 or 2.	G1	G1	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	163 nos	

1e	Balance reserves as on 01.04.2016	203 million reserve and 41.8 million tonnes limestone resources	203 million reserve and 41.8 million tonnes resources	
1f	General remarks of inspecting officer on geology, exploration etc.	Complete area is explored under G1 level		

### **2.0 Development**

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	S1.5 to S-9 and W24 to W16.5	Commenced at proposed location	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	OB bench- 1 nos Mineral bench-1Nos	OB bench- 1 nos. Mineral bench-1 Nos.	
2c	Stripping ratio or ore to OB ratio	1:0.29	Nil as no production carried out till 2014-15	
2d	Quantity of topsoil generation in m <sup>3</sup>	0.37 million tonnes in five years 20135	0.45 million tonnes til 2014-15	
2e	Quantity of overburden generation in m <sup>3</sup>	3.8 million tonnes in plan period	0.926 million tonnes	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Working started late due to non commencing of cement plant . Now production started.		

### **3.0 Exploitation**

SN	Item	Proposals	Actual work	Remark
3a	Number of pits proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	4.8 million in year 2014-15	Nil	
3c	Recovery of salable/usable mineral from ROM production	4.8 million in year 2014-15	Nil	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral reject generation and threshold value declared	Not applicable	NA	
3f	Quantity of sub-grade mineral generation.	NA-	NA	
3g	Grade of sub-grade mineral generation.	NA	NA	

3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No proposal	Regular analysis of limestone is carried out .	
3j	Provision of drilling & blasting in mineral benches	For preparation of blast hole the primary drilling is done by 100 mm dia crawler mounted DTH drills. Specing-6 M. Burden- 4 M. Depth of hole 8.5 M Subgrade- 0.5 M Blasting is done in staggered pattern with SME, and NONEL.	For preparation of blast hole the drilling is done by 110 & 150 mm dia crawler mounted DTH drills. Specing: 4-6 M. Burden:3-4m M. Depth of hole 4-8 Blasting is done in staggered pattern with SME , and NONEL .	
3k	Provision of mining machineries in mineral benches.	Heavy earth moving machineries	Hydraulic shovel, Dumper & Heavy earth moving machineries	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	The height of OB bench- 0-4 m Ore bench 6-10 m	Top slicing of mix bench with 2to 4m height in OB and 4 to10 m bench height in Limestone .	
3m	Total area covered under excavation/pits	49.66 Ha.	15.2 Ha.	
3n	Ore to OB ratio for the pit/mine during the year	1:0.29	Nil	
3o	Total area put in use under different heads at the end of year	Pit- 49.66Ha Waste/reject- 18 Others- 3.0 Ha	Pit- 15.2 Ha Waste/reject- 3.3 ha	
3p	Production of ROM mineral during last five-year period, as applicable (in MT)	2011-12- 1.2 mt 2012-13- 2.4mt 2013-14- 2.4m t 2014-15- 4.8 mt	Nil till 2014-15	
3q	General remarks of inspecting officer on method of mining etc.	Till year 204-15 no production was carried out and during 2015-16 production started as cement plan commissioned late.		

#### 4.0 Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Concurrent use of top soil proposed and separate dump for has been proposed.	Concurrent use of top soil is being done and separate dumping of OB is being done.	
4b	Location of topsoil, OB & mineral reject dumps	<b>Dump</b> S6-S12 and W9-w15	<b>Dump</b> S5-S12 and W19-W31	
4c	Number of dumps within lease area and outside lease area	01 no within lease area	01 within lease area.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	<b>Dump</b> S6-S12 and W9-w15	<b>Dump</b> S5-S12 and W19-W31	
4e	Number of active & alive dumps	01	01	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps stabilised	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	No	No	
4i	Length of Retaining wall or garland drain all along dump	Nil	Nil	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer	Only 0.926 million of OB handled and put to dump. Mining operations are at initial stage.		

#### 5.0 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	No proposal	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)	yes	yes	
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Area is yet to be matured.		

## 6.0 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	Mine is at initial stage of operation and work at full fagged yet to be started.	
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 during the year	Nil	Nil	
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)	To be monitored	Being monitored	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Area is yet to be matured for backfilling & reclamation purpose.		

## 7.0 Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NA	Based on software & blast hole sampling result	

			different grade material has been marked at site/map/blended	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	NA	Mechanised working	
7c	Different grade of mineral sorted out at mines	Based on software different grade material has been marked in slice plan.	Based on software & blasthole sampling result different grade material has been marked at site	
7d	Any beneficiation process at mines	As such, limestone beneficiation is not required.	Directly fed to crushing plan.	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	There is no mineral conservation problem at mines.		

## 8.0 Environment

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Separate removal and utilization of topsoil is being done	
8b	Concurrent use or storage of topsoil	Yes	concurrent utilization of topsoil is being done	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Planned	Separate dumps for overburden/waste rock and rejects are planned.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	planned	No matured area for this purpose.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	As per mining plan.	No matured area for this purpose.	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)		Total of 2000 nos plantation in lease area	

8g	Survival rate		80%	
8h	Water sprinkling on roads to control airborne dust	Water taker proposed for Water sprinkling on roads	Water sprinkling on roads is being done by water tanker to control airborne dust.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	EMP parameters are monitored and control measures are taken at timely.		

### 9.0 Compliance of Rule 45

SN	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	M.R. and A.R 2014-15 submitted		
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	Yes	NII	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Under mining 15.2 ha. Top soil—0.8 h, Waste dump-3.3 ha Others 1.5 ha	NII	
9d	Scrutiny of Annual return on afforestation	2000 nos	NII	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	NII	NII	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil- production	NII	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Nil-Production	NII	
9i	Scrutiny of Annual return on fixed assets	Provided.	NII	
9k	Scrutiny of Annual return on mining machineries .	Provided.	NII	

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

Mining is at initial stage. . Production and development is lagging and lessee has submitted modified mining plan on 21/12/2015. No serious violation is observed in mine.

B.L.Gurjar  
DCOM