

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/PAL-37/LST-2

Mine code : 38RAJ21003

- (i) Name of the Inspecting : **R018**) **N L ROAT**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri M.K.Garg,A V P Mines&Shri Pankaj Agrawal, Mines
Official with
Designation
- (iv) Date of Inspection : 12-SEP-16
- (v) Prev.inspection date : 27-FEB-15

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **NIMBETI**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : RAJASTHAN
District : PALI
Village : NIMBETI
Taluka : JAITARAN
Post office : RAS
Pin Code :
FAX No. : 01462-228117-19
E-mail : shreebwr@shreecementltd.co
Phone : 01462-228101-06
- (f) Police Station :
- (g) First opening date : 13-JUN-97
- (h) Weekly day of rest : SUN
2. Address for : SHREE CEMENT LTD.,
correspondance PO-ANDHERI DEORI,
BEAWER, DISTT- AJMER, 305901
3. (a) Lease Number : RAJ1666
(b) Lease area : 750
(c) Period of lease : 20
(d) Date of Expiry : 13-NOV-16
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : SHREE CEMENT LTD.
 SHREE CEMENT LTD. BANG- -UR
 NAGAR, P.O.BOX NO.-33
 BEAWAR-305,901,DIS.-AJMER
 AJMER RAJASTHAN
 Phone:91-01462-228101-105
 FAX :91-01462-228117-119

Owner : M.K.Singhi
 Shree Cement Ltd Bangur
 Nagar, Post Box- No-33
 Beawar, Rajasthan-305901
 AJMER RAJASTHAN
 Phone: 01462-228101
 FAX : 01462-228117

Agent : S.C. Suthar
 Shree Cement ltd Bangur
 Nagar, Post Box-33 Beawar-
 305901 AJMER RAJASTHAN
 Phone: 01462-228101
 FAX : 01462-228117

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	08-APR-96
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	31-MAR-03
		Modif.approved Mining Scheme	04-JUN-04
		Modif.approved Mining Scheme	08-SEP-05
		Mining Scheme rule 12 MCDR1988	29-JAN-07
		Modif.approved Mining Scheme	09-OCT-09
		Mining Scheme rule 12 MCDR1988	18-JUL-12
		Modif.approved Mining Scheme	26-JUN-13
		MP modif under MCR 1960	13-MAY-16

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No backlog for the previous year.	Not applicable.	Nil.
1b	Exploration over lease area for geological axis 1 or 2	No proposal.	Presently whole ML area has been explored up to 252mRL by diamond core boreholes at G1 AND G2 scale grid spacing.	Nil.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal.	No applicable.	Nil.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal.	Presently whole ML area has been explored up to 252mRL by diamond core boreholes at G1 AND G2 scale grid spacing.	Nil.
1e	Balance reserve as on 01/04/20	No proposal.	653.70Millions Tonns.	Nil.
1f	General remarks of inspecting officers on geology, exploration etc	No proposal.	The mine has been categorised as G1&G2.Total 177 nos of diamond core boreholes were drilled at 170m to200m grid interval.	Whole ML area has been explored up to 252mRL by diamond core boreholes at G1 AND G2 level.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Grid line W7-E2,Section S37-52,W4-W2,Section S35-41,W8-E5,Section S27-45,W1-E9,Section S3-30,	Grid line W7-E2,Section S37-52,W4-W2,Section S35-41,W8-E5,Section S27-45,W1-E9,Section S3-30,	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal.	Not applicable.	Nil.
2c	Stripping ratio or ore to OB ratio	1:0.18.	1:0.17.	Nil.

2d	Quantity of topsoil generation in m3	No proposal.	Not applicable.	Nil.
2e	Quantity of overburden generation in m3	1.43Millions Tonns.	3.52Millions Tonns.	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	No proposal.	Mine development w.r.t. type of deposit is satisfactory.	Nil.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	2nos.	2nos.	Nil.
3b	Quantity of ROM mineral production proposed	19.60millions tonns.	16.41millions tonns.	Nil.
3c	Recovery of sailable/usable mineral from ROM production	During previous year 19.60millions tonns.	During previous year 16.41millions tonns.	Recovery of usable ROM is 100%.
3d	Quantity of mineral reject generation	No proposal.	Not applicable.	Nil.
3e	Grade of mineral rejects generation and threshold value declared.	No proposal.	Not applicable.	No mineral rejects generation is there.
3f	Quantity of sub grade mineral generation.	No proposal.	Not applicable.	No sub grade mineral generation is there.
3g	Grade of sub grade mineral generation	No proposal.	Not applicable.	No sub grade mineral generation is there.
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.	No proposal.	Not applicable.	Nil.
3j	Provision of drilling and blasting in mineral benches	Drilling& blasting is proposed in mineral bench.	Drilling& blasting is done in mineral bench.	Nil.
3k	Provision of mining machineries in mineral benches	Exploitation is proposed to be carried out by machinery in mineral bench.	HEMM are used for benching.	Nil.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes.	Yes.	Nil.
3m	Total area covered under excavation/pits	For the previous year- 5.30hect.	Covered under pits up to previous year-228hect.	Nil.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.14.	1:0.21.	Nil.
3o	Total area put in use under different heads at the end of year	Pit-5.3hect., Waste dump- na, Afforestation- 6.0hect.	Pit-228hect., Waste dump-54.6, Afforestation- 54.26hect.	Nil.
3p	Production of ROM mineral during the last five year period as applicable	(2011-12)- 14.4MT, (2012-13)- 17.2MT, (2013-14)- 17.2MT, (2014-15)- 19.6MT, (2015-16)-19.6MT,	(2011-12)-10.47MT, (2012-13)-11.78MT, (2013-14)- 13.42MT, (2014-15)- 15.24MT, (2015-16)- 16.41MT,	Nil.
3q	General remarks of inspecting officers on method of mining etc.	No proposal.	The method of mining adopted is suitable for the deposit.	Nil.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping of waste is proposed.No proposal of topsoil	Separate dumping of waste is done.No topsoil generation	Nil.
4b	Location of topsoil, OB and mineral reject dumps	No proposal of topsoil,Waste to dump nol between grid line W10 TOW4, Waste-2 between-E0toE6.	Waste-1 between grid line W10 TOW4, Waste-2 between-E0toE6.	Nil.
4c	Number of dumps within lease area and outside of lease area	Total 04 nos. of dumps.	Total 04 nos. of dumps.	Nil.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Waste dump nol between grid line W10 TOW4, Waste-2 between-E0toE6.	Waste dump nol between grid line W10 TOW4, Waste-2 between-E0toE6.	Nil.
4e	Number of active and alive dumps.	04 nos.	04 nos.	Nil
4f	Number of dead dumps.	No such proposal.	There is no dead dump.	Nil.
4g	Number of dumps established.	As per modified mining plan approved on 13/05/2016 the existing dumpsproposed to be stabilized by vegetation,retaining wall and garland drain.	As per modified mining plan approved on 13/05/2016 the existing dumps have not been stabilized vegetation,retaining wall and garland drain.	Violation of Rule 13(1) pointed out.
4h	Whether Retaining wall or garland drain all along dumps are there.	Retaining wall and garland drain proposed.	The existing dumps have not been stabilized by vegetation,retaining wall and garland drain.	Violation of Rule 13(1) pointed out.
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall and garland drain proposed.	The existing dumps have not been stabilized by vegetation,retaining wall and garland drain.	Violation of Rule 13(1) pointed out.
4j	Number of settling ponds	No proposal.	04nos.	Nil.

4k	Specific comments of inspecting officer on waste dump management	No proposal.	Actually at places the existing waste dumps are required to secure by vegetation, constructing retaining wall and garland drain etc at the base of dumps.	Actually at places the existing waste dumps are required to secure by vegetation, constructing retaining wall and garland drain etc at the base of dumps.
----	--	--------------	---	---

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 proposal.	Not applicable.	Nil.
5b	Area under backfilling of mined out area	No proposal.	Not applicable.	Nil.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal.	Not applicable.	Nil.
5d	Total area fully reclaimed and rehabilitated	No proposal.	Not applicable.	Nil.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No proposal.	Not applicable.	No part of of pit is fully extracted of limestone, Area not matured for backfilling.

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).	No such proposal.	The annual report on PMCP for the year 2015-16 was not submitted.	Violation of Rule 23E(2) is pointed out.
6b	Area available for rehabilitation (ha) .	No such proposal for the year 2015-16.	Not applicable.	Nil.

6c	afforestation done (ha).	4.04hect.	6.02hect.	Party submitted that they have carried out plantation.
6d	No. of saplings planted during the year	4680nos.	7280mos.	Party submitted that they have carried out plantation.
6e	Cumulative no .of plants	No proposal.	74560nos.	Nil.
6f	Any other method of rehabilitation	No proposal.	Not applicable.	Nil.
6g	Cost incurred on watch and care during the year	No proposal.	53.58 lacs.	Nil.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal.	Not applicable.	Nil.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal.	Not applicable.	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No proposal.	No backfilled area available at present.	Nil.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Not applicable.	Nil.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal.	Not applicable.	Nil.

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal.	Not applicable.	Nil.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal.	Not applicable.	Nil.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal.	Not applicable.	Nil.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitorin of air & water is proposed.	Quarterly monitorin of air & water is done.	Nil.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Except plantation& construction of retaining wall/garland drain no other specific proposal.	As observed during inspection of mine that at places the existing waste dumps have not been secured by way growing vegetation and construction of retaining wall and garland drain etc.	Nil.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	12.13 Millions tonns.	6.30 Millions tonns.	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 proposal.	ROM screened for upgrading the quality.	Nil.
7d	Any beneficiation process at mines	No proposal.	Not applicable.	Nil.

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No subgrade or mineral reject proposed to be generated.	Actually the entire limestone production is dispatched to cement plant.	Nil.
----	--	---	---	------

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal.	Not applicable.	Nil.
8b	Concurrent use or storage of topsoil	No proposal.	Not applicable.	Nil.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	The waste generated is proposed to be dumped separately.	The waste generated is dumped separately.No rejects and fines generated.	Nil.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	Not applicable.	Nil.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal for 2015-16.	Not applicable.	Nil.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No proposal for 2015-16.	In addition to the saplings planted the locally grown vegetation exist in the lease area.	Nil.
8g	Survival rate	100%.	80%.as reported by accompying representative.	Nil

8h	Water sprinkling on roads to control airborne dust	Water sprinkling on all dust generation points i.e. haul road.	It is being done.	Nil.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No such proposal.	Except degradation of land it is good.	Nil.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M. R. submitted up to july 2016 & A. R. submitted for 2015-16.	The position of Submission of M/R & A/R is satisfactory.	Nil.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes.	Found O.K.	Nil.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details given	Found O.K.	Nil
9d	Scrutiny of Annual return on afforestation	yes, given	Found O.K.	Nil.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Details given for O/B removed & reject generation.	Found O.K.	Nil.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Details Given.	Found O.K.	Nil.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Yes.	Found O.K.	Nil.

9h	Scrutiny of Annual return on fixed assets	Given.	Details given.	Nil.
9k	Scrutiny of Annual return on mining machineries	Yes	Found O.K.	Nil.

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
Rule 13(1)	19-OCT-16				
Rule 23E(2)	19-OCT-16				

Date :

(N L ROAT)

Indian Bureau of Mines