

**INDIAN BUREAU OF MINES
MINES CONTROL AND CONSERVATION OF MINERAL DIVISION**

MCDR INSPECTION REPORT

Hyderabad regional office

Mine file No : AP/KSN/LST-25/HYD

Mine code : 38APR10026

- (i) Name of the Inspecting : **S013**) **P.N.SHARMA**
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Sri S. Venkateswara reddy, Manager (Mines)
Official with
Designation
- (iv) Date of Inspection : 06/04/2013
- (v) Prev.inspection date : 20/05/2011

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **RAVIRALA**
- (b) Category : A Mechanised
- (c) Type of Working : Opencast
- (d) Postal address
- State : ANDHRA PRADESH
- District : KRISHNA
- Village : JAYANTHIPURAM
- Taluka : JAGGAYYAPETA
- Post office : KUMARASAMYRAJA
- Pin Code : 521457
- FAX No. : 08654-222532
- E-mail : mcljpm@madrascements.co.in
- Phone : 08654-224400
- (e) Police Station : JAGGAYYAPETA
- (f) First opening date : 25/06/2003
2. Address for : M/S. MADRAS CEMENTS LTD.,
correspondance : kUMARASWAMY RAJA NAGAR,
JAGGAYYAPETA, KRISHNA DIST.
3. (a) Lease Number : APR1204
- (b) Lease area : 124.38
- (c) Period of lease : 20
- (d) Date of Expiry : 30/09/2017
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : M/S MADRAS CEMENTS LTD
 KUMARASAMY RAJA NAGAR
 JAGGAYYAPET TALUK KRISHNA
 ANDHRA PRADESH
 Phone:08654-22294
 FAX :22532

Owner : P.R.VENKATRAMA RAJA
 AURAS CORPORATE CENTRE, Vth
 FLOOR, Dr.RADHAKRISHNA
 ROAD,MYLAPORE, CHENNAI
 CHENNAI CITY TAMIL NADU
 Phone: 044-28478666
 FAX : 044-28478676

Agent : B.S.P.RAJU
 KUMARASWAMY .RAJA.NAGAR,
 JAYATNTHIPURAM KRISHNA
 DISTRICT KRISHNA ANDHRA
 PRADESH
 Phone: 08654-224400
 FAX : 08654-222532

Mining Engineer

Name : KHAJA ASHRAF ALI, Full Time
 Qualification : B.E(Mining)
 Appointment/ : 04/07/2007
 Termination date

Geologist

Name : P.GANESH NARENDRA REDDY, Full Time
 Qualification : M.Sc(GEOLOGY)
 Appointment/ : 11/06/1992
 Termination date

Manager

Name : S.VENKATESWARA REDDY
 Qualification : FCC
 Appointment/ : 02/03/2006
 Termination date

6. Date of approval of Mining : 13/05/2008
 Plan/Scheme of Mining

PART - II : TECHNICAL DETAILS/COMMENTS

1. Details about Average employment :

Maximum number of persons employed on any day during the year

Employment category	No.of employment	Av. yearly working days
DIRECT		
Managerial	2	302
Workers	40	302
Supervisory	3	302

2. Community Development Plan (in and around the mines) : Proposed action and expenditure towards socio-economic development.

Action during the year	Expenditure in Rs. Lakhs for				Remarks
	previous year		current year		
	Proposed	Incurred	Proposed	Incurred	
General					
Safety				0.80	
Water supply				6.23	
Health				3.46	
Medical facility				4.16	
Housing				3.50	
Sanitation				1.20	
Sub total				19.35	
Infrastructure					
Roads				6.70	
Electricity				2.30	
Public transport				3.21	
Communication				2.10	
Sub total				14.31	
Employment				2.80	
Sports activities				1.50	
Environment management				3.21	
Training				5.56	
Others				1.13	
Total				47.86	

3. Status of compliance of MCDR, 1988, including therewith the rectification of the outstanding violation of rules.

During the current inspection violation of rule 13(1) of MCDR, 1988 was observed and the same was pointed out to the lessee company.

4. A note on the justification in case of suspension of mining operation under rule 13(2) or prohibition of deployment of any person under rule 56 of MCDR, 1988, if recommended.

None at present.

5. Scientific Mining

Items	Proposal	Actual work done	Remarks
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A. Exploration (Rule 13)

a.Type of prospecting and exploration i.e. pitting, drilling : No exploration was proposed during the year
No exploration was carried out during the year.

b.Total area covered : Not applicable
Not applicable

B. Working (Rule 13)

a.Number and size of each pit (LxWxH) : 130x240x8m
110x130x7m

b.Bench size(LxWxH)length can be defined as regular/irregular : regular
regular

c.Ore to waste ratio pit wise if possible otherwise for mine : 1:0.25
1:0.08

d.Total area covered under excavation/pits : 5.83 ha
1.59 ha

C. Waste disposal (Rule 13)

a.Location of dumps : Western side of the lease
western side of the lease.

e.Yearly generation of waste quantity : 3,02,843 cu.m
91,781 cu.m

b.Method of dumping whether advancing/retreat : Advancing
Advancing

c.Total area covered under waste dump. : 4.60 ha
4.85 ha

d.No.and size of each waste dump with No of steps/lift/bench : 02 steps
02 steps

D. Production

b.Year wise production of last five year. : it was proposed to produce 1.2 million tonnes per year during the five year plan period.
2009-10 - 4,80,060 tonnes
2010-11 - 3,32,200 tonnes
2011-12 - 6,71,800 tonnes
2012-13 - 11,91,513 tones

D. Reserve

a.Reserve position as per latest MP/MS and at the time of inspection. : --
9.33 Million tonnes.

RESERVE POSITION AS ON 01/04/2013

LIMESTONE		
Category	Quantity in Tonnes	Grade
Proved	9.33	
Probable		
Possible		
Total	9.33	

PRODUCTION FOR THE PREVIOUS YEAR 2012 - 2013

Mineral	Production	Unit
LIMESTONE	1.19	MT

6. Conservation of Mineral - both quantitative and qualitative**Beneficiation (Rule 20 and 26)**

Efforts for improving low grade and sub grade mineral : Not applicable.

Efforts for improving percentage of recovery of ore : The entire ROM is being consumed in the captive plant of the lessee company.

Mineral Rule 15

Percentage of recovery of ore pitwise w.r.t. ROM and total material : 95%

Number of benches in ore and waste : There is one bench in OB and five benches in the ore.

Sub/grd mineral/fines (Rule16)

Qty of yearly generation and total qty available during inspection with grade : Not applicable.

Number and size of each stack : Not applicable

Location of stacking. : Not applicable.

Separate stacking from waste : There is no generation of subgrade material from the mine.

Total area covered for stacking : Not applicable.

Exploration data as on 31/03/ 2013

No. of Boreholes	No. of Pits	No. of Trenches
20	0	0

OVERBURDEN HANDLED DURING PREVIOUS YEAR 2012 - 2013

Overburden/waste removed (in m3) :	91781
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Utilisation of Sub Grade Mineral and Mineral Rejects

Generated	Utilised	Stacked	(In Ton.)

7. Environment Management - both quantitative and qualitativ

A. Land environment

- a. Landscape. : It is a plain land
- b. Aesthetic environment : Not much aesthetic beuty was noticed.
- c. Soil and land use pattern : No topsoil is being generated.
- d. Agriculture : No aricultural practises were noticed.
- e. Forest(flora and fauna) : it is in a foest area.
- f. Vegetation : except for the plantation made by the lessee company not much vegetation was noticed.
- h. Public building, places and monuments (protected, historical), placec of worship and places of tourist : No Public building, places and monuments (protected, historical), placec of worship and places of tourist interest are there in the vicinity of mine.

B Water environment.

- a. Surface water : There are no surface water channels in the mining lease.
- b. Ground water : The ground water is at a depth of 65 meters.
- c. Quality of water : Not applicable.

C. Air environment

- a. Noise : All the precautions like providing ear pluga etx are being taken during the blasting and the noise parameters are within permissible limits.
- b. Air : All the precautions are being taken for arresting/controlling air pollution like sprinkling of water on haulage oads etc and the parameters of ambient air uality are within permissible limits.
- c. Climatic condition : The mining lease falls under tropical climatic region with the peak summer temperatures reaching upto 46 degrees celcius.

D. Socio economic environment

- a. Social and demographic profile. : The main occupation of the ravirala village population is agriculture.
- b. Recommending health and safety. : None
- c. Human settlement : One small villlage by name ravirala is there near the mine with a population of 11.
- d. Recreational facility. : various recreational activities are being organised on different occasions and there is a sperate auditorium for the said purpose.

7.1 Comments on the steps taken by the lessee towards maintaining environment and monitoring of environmental parameters to ensure the qualitative improvement in the environment and ecology.

Season	Station type	Station name	<u>Water Management</u>	
			Parameter	Value Actual Excess
<u>Air data for excess parameters</u>				

Season	Station name	Type of area	Parameter	Value	
				Actual	Excess

<u>PLANTATION DURING THE PREVIOUS YEAR</u>			<u>2012 - 2013</u>			Area in Hect.
Within lease area			Outside lease area			
Area	Trees planted	Survival rate	Area	Trees planted	Survival rate	
.2	815	95	0	0	0	

<u>TOP SOIL MANAGEMENT</u>	
Quantity as on 31/03/2013	

8. Scrutiny of annual returns on cost of production, reserve, production, pit mouth value, stock, land use pattern and fixed assets.

The annual return for the year 2011-12 was submitted by the lessee. The production reported during the year was 6,71,800 tonnes. The UNFC (111) reserves are 9.33 Million tonnes. The ex mine price reported was Rs.155.54/-The closing stock reported was Nil.

PART - III : PERFORMANCE OF MINE OWNER
(In case of lease expiring within 2 years - as per guidelines)

PART - IV : PROPOSALS FOR FURTHER ACTION FOR :

Indian Bureau of Mines (any issue related to CGPB, SGPB, Assistance, Consultancy, Annual Programme and studies, etc.)

Nil

State Government (Illegal mining, mining dispute, infrastructure, Mineral based industry, Mineral policy, etc.)

permanant lease boundary pillars were noticed around the lease.

The Central Government (Infrastructure, Development, Mineral policy and Legislation, Mineral based industry, etc.)

Nil

Date :

(P.N.SHARMA)

Indian Bureau of Mines