

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

**MCDR INSPECTION REPORT**

**Hyderabad regional office**

**Mine file No :** AP/KSN/LST-17/HYD

**Mine code :** 38APR10010

- (i) Name of the Inspecting : **S013** ) **P.N.SHARMA**  
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : G.V.Subba Rao, AGM(Mines), Agent-cum-Manager  
Official with  
Designation
- (iv) Date of Inspection : 06-APR-13
- (v) Prev.inspection date : 24-MAY-11

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **JAGGAYYAPETA**
- (b) Category : A Mechanised
- (c) Type of Working : Opencast
- (d) Postal address
- State : ANDHRA PRADESH
- District : KRISHNA
- Village : BUDDAWADA
- Taluka : JAGGAYYAPETA
- Post office : LIMESTONE TOWNSHIP
- Pin Code : 521175
- FAX No. : 08652- 222358
- E-mail : vspjlm@yahoo.co.in
- Phone : 08652-222358, 222373
- (e) Police Station : jaggayyapet
- (f) First opening date : 23-MAR-89
2. Address for : RINL LIMESTONE MINE  
correspondance JAGGAYYAPET  
KRISHNA DIST.
3. (a) Lease Number : APR0199
- (b) Lease area : 1295
- (c) Period of lease :
- (d) Date of Expiry : 07-SEP-20
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : RASHTRIYA ISPAT NIGAM LTD.  
 VISAKHAPATNAM STEEL PLANT  
 VISAKHAPATNAM  
 VISAKHAPATNAM ANDHRA  
 PRADESH  
 Phone:0891-  
 FAX :0891-

Owner : UMESH CHANDRA  
 ADMN BUILDING,RINL/VSP.  
 VISAKHAPATNAM ANDHRA  
 PRADESH  
 Phone:  
 FAX : dir.opr@vizagst

Agent : SRI C N S SASTRY  
 JAGGAYYAPETA LIMESTONE MINE  
 RINL, VSP, BUDAWADA VILL.  
 JAGGAYYAPET TQ KRISHNA  
 ANDHRA PRADESH  
 Phone:  
 FAX : 0854 222358

## Mining Engineer

Name : SRI C N S SASTRY,Full Time  
 Qualification : B.E.(Mines)  
 Appointment/ : 12-APR-07  
 Termination date

## Manager

Name : VIJAY KUMAR  
 Qualification : B.SC ENGG & FCC  
 Appointment/ : 31-MAR-09  
 Termination date

6. Date of approval of Mining : 19-OCT-10  
 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
<b>DIRECT</b>		
Managerial	19	314
Ministrial	7	314
Workers	27	314
Supervisory	24	314

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	
<b>General</b>					
<b>Infrastructure</b>					
Sub total					
Roads	0.00	0.00	9.09	0.00	Public road from
Sub total	0.00	0.00		0.00	
<b>Employment</b>	0.00	0.00	27.67	51.48	For contract lab
<b>Recreation</b>	0.00	100.00	0.00	0.00	Multi purpose co
<b>Training</b>	0.00	0.00	5.00	4.60	Vocational skill
<b>Total</b>	0.00	100.00	41.76	56.08	

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

During the current inspection violation of rules 13(1) and 23E(2) of MCDR,1988 were observed and the same were 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, 19888, if recommended.

None at present.

## 5. Scientific Mining

Items	Proposal	Actual work done	Remarks
-------	----------	------------------	---------

**A. Exploration (Rule 13)**

a.Type of prospecting : No proposal was --  
and exploration i.e. made as per the  
pitting, drilling approved scheme of  
mining

b.Total area covered : Not applicable --

**B. Working (Rule 13)**

a.Number and size of : Pit Pit no.1(545x377.5x8)  
each pit (LxWxH) no.1(545x392.5x8) Pit no.2(340x240x8)  
Pit  
no.2(350x310x8)

c.Ore to waste ratio : Nil  
pit wise if possible  
otherwise for mine

d.Total area covered : 2.20 Ha 2.01 Ha  
under excavation/pits

**C. Waste disposal (Rule 13)**

a.Location of dumps : Nil

e.Yearly generation : Nil  
of waste quantity.

b.Method of dumping : Nil  
whether  
advancing/retreat

c.Total area covered : Nil  
under waste dump.

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

**D. Production**

b.Year wise	: 2010-11=5,00,000	2010-11 - 3,63,964
production of last	tonnes	tonnes
five year.	2011-12-5,00,000	2011-12 - 4,38,148
	tonnes	tonnes
	2012-13-5,00,000	2012-13 - 4,18,272
	tonnes	tonnes

**D. Reserve**

a.Reserve position as : - 35.67 million tonnes  
per latest MP/MS and  
at the time of  
inspection.

**RESERVE POSITION AS ON 01/04/2013**

<b>LIMESTONE</b>		
Category	Quantity in Tonnes	Grade
Proved	35.67	
Probable		
Possible		
Total	35.67	

**PRODUCTION FOR THE PREVIOUS YEAR 2012 - 2013**

Mineral	Production	Unit
LIMESTONE	.41	MT

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

Efforts for improving low grade and sub grade mineral. : 0-70mm product size after crushing and screening of low & high grade limestone.

Efforts for improving percentage of recovery of ore. : 100% recovery

**Mineral Rule 15**

Percentage of recovery of ore : 100%  
pitwise w.r.t. ROM and total material

Number of benches in ore and waste. : Ore - Two  
Waste - Nil

**Sub/grd mineral/fines (Rule16)**

Qty of yearly generation and total qty available during inspection with grade : Yearly - Nil  
Total - 215000 MT

Number and size of each stack : One (100 m x 90 m)

Location of stacking. : Adjacent to CSP

Separate stacking from waste : Yes

Total area covered for stacking : 9.31 ha

**Exploration data as on 31/03/ 2013**

No. of Boreholes	No. of Pits	No. of Trenches
229	0	0

**OVERBURDEN HANDLED DURING PREVIOUS YEAR 2012 - 2013**

Overburden/waste removed (in m3) :	0
------------------------------------	---

**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 : 1)Two parks are maintained in the township  
2)Small gardens are maintained in each section/department.
- c. Soil and land use pattern : No top soil is being generated.
- d. Agriculture : No agricultural practises were observed.
- e. Forest(flora and fauna) : The only flora in the ore area are thorny bushes, small shrubs & cactus, etc. The mining lease falls under forest area.
- f. Vegetation : Only bushes that too thinly located as the rock is exposed to the surface.
- h. Public building, places and monuments (protected, historical), placec of worship and places of tourist : No such areas in the mining lease area

### B Water environment.

- a. Surface water : Paleru - A tributary of Krishna river is flowing around 1 Km away from ML around the north and east boundary.
- b. Ground water : Well below the ground level at a depth of 50m.
- c. Quality of water : Analysis reports submitted and the parameters are within normal range.

### C. Air environment

- a. Noise : Noise levels well below the permissible limits and all precautions are being taken to keep the noise pollution at minimum llevel.
- b. Air : Air pollution levels well below the permissible limits and all precautions are being taken to keep the air pollution at minimum llevel.
- c. Climatic condition : Usually hot, temperature varies between 48 degree C to 20 degree C.

### D. Socio economic environment

- a. Social and demographic profile. : The local villagers are mainly dependent on agriculture.
- b. Recommending health and safety. : A primary health centre with two doctors and supporting staff
- c. Human settlement : A well maintained township with all civic amenities like roads, electricity, water supply, recreation, etc.
- d. Recreational facility. : Community welfare centre  
Play ground,  
Gymnasium  
Children park  
Park/Garden.

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.

<u>Water Management</u>					
Season	Station type	Station name	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				
1	1200	30	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 2012-13 was submitted by the lessee company. As per the annual return the reported production was 4,18,272 tonnes. The closing stock is reported as 23,838.71 tonnes. The ex-mine price is reported as Rs.580.17/-. The reserves as per UNFC are given as 35.67 million tonnes.

**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 mining lease.

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

Nil

Date :

(P.N.SHARMA)

Indian Bureau of Mines