

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

**MCDR INSPECTION REPORT**

**Hyderabad regional office**

**Mine file No :** AP/KNL/LST-160/HYD

**Mine code :** 38APR11097

- (i) Name of the Inspecting : **C\$10** ) **Ch.Suseela**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine :  
Official with  
Designation
- (iv) Date of Inspection : 19/06/2013
- (v) Prev.inspection date : 30/04/2009

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **MALKAPURAM ( S.NO.82/1 )**
- (b) Category : B Manual
- (c) Type of Working : Opencast
- (d) Postal address  
State : ANDHRA PRADESH  
District : KURNOOL  
Village : MALKAPURAM  
Taluka : DHONE  
Post office : MALKAPURAM  
Pin Code :  
FAX No. :  
E-mail :  
Phone : 08522-239326
- (e) Police Station : DHONE
- (f) First opening date : 01/07/2002
2. Address for correspondence : SMT. D.LEELAVATHI  
MINE OWNER, AT/PO- MALKAPURAM  
MANDAL-DHONE , DIST-KURNOOL -518222
3. (a) Lease Number : APR1495
- (b) Lease area : 4.51
- (c) Period of lease : 20
- (d) Date of Expiry : 01/12/2019
4. Mineral worked : LIMESTONE Main  
DOLOMITE Associated

## 5. Name and Address of the

Lessee : SMT.D.LEELAVATHI  
 KURNOOL ANDHRA PRADESH  
 Phone:08522-239326  
 FAX :

Owner : SMT.D.LEELAVATHI  
 W/O D.SIVASHANKAR REDDY  
 MALKAPURAM KURNOOL ANDHRA  
 PRADESH  
 Phone: 08522-39326  
 FAX :

Agent : M.SRINIVAS REDDY  
 MALKAPURAM KURNOOL ANDHRA  
 PRADESH  
 Phone:  
 FAX :

6. Date of approval of Mining : 17/05/2007  
 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	1	300
Supervisory	1	300
<b>CONTRACT</b>		
Workers	10	300

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>					
Housing	0.00	0.00	0.00	0.00	0
<b>Sub total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
<b>Infrastructure</b>					
<b>Sub total</b>			<b>0.00</b>		
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	

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

During earlier inspection, no violations were pointed out. During current inspection, rule 42(1)(C)(ii) was found violated and issued violation letter to the party on 25.7.2013.

42(1)(ii) A part time Mining Engineer and a part time Geologist have not been employed as required under this rule.

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.

Not applicable

## 5. Scientific Mining

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

- a.Type of prospecting : Five core bore and exploration i.e. pitting, drilling holes of 20 to 60m NIL
- b.Total area covered : Not specific Not applicable

## B. Working (Rule 13)

- c.Ore to waste ratio : 1:0.2 pit wise if possible otherwise for mine 1:0.2
- b.Bench size(LxWxH)length can be defined as regular/irregular : 130\*3\*3m 6\*3\*7m
- a.Number and size of each pit (LxWxH) : One pit of 130\*70\*14m one pit of 100\*30\*7m
- d.Total area covered under excavation/pits : 0.91 ha 0.3ha

## C. Waste disposal (Rule 13)

- a.Location of dumps : western side of ML area western side of ML area
- b.Method of dumping whether advancing/retreat : Advancing Advancing
- c.Total area covered under waste dump. : 0.04 HA 0.04 HA
- d.No.and size of each waste dump with No of steps/lift/bench : One dump with 2m ht. One dump with 2m ht.
- e.Yearly generation of waste quantity. : 572 cu.m 500 cu.m

RESERVE POSITION AS ON 01/04/2013

DOLOMITE		
Category	Quantity in Tonnes	Grade
Proved	361349	CaCO <sub>3</sub> -91.12%, SiO <sub>2</sub> -6.12%, MgCO <sub>3</sub> --1.6%
Probable	129002	CaCO <sub>3</sub> -91.12%, SiO <sub>2</sub> -6.12%, MgCO <sub>3</sub> --1.6%
Possible	59878	CaCO <sub>3</sub> -91.12%, SiO <sub>2</sub> -6.12%, MgCO <sub>3</sub> --1.6%
Total	550229	CaCO <sub>3</sub> -91.12%, SiO <sub>2</sub> -6.12%, MgCO <sub>3</sub> --1.6%

PRODUCTION FOR THE PREVIOUS YEAR 2012 - 2013

Mineral	Production	Unit
DOLOMITE	3406	TON

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

Efforts for improving low grade and sub grade mineral. : No efforts are being made to improve the low grade.  
 Efforts for improving percentage of recovery of ore. : Not applicable

**Mineral Rule 15**

Percentage of recovery of ore pitwise w.r.t. ROM and total material : 90%  
 Number of benches in ore and waste. : One bench in ore 100\*30\*7

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

Qty of yearly generation and total qty available during inspection with grade : 170 tonnes  
 Number and size of each stack : One stack  
 Location of stacking. : At pit bottom  
 Separate stacking from waste : 5 % of the production is being generated as sub grade mineral and is stacked at pit bottom.  
 Total area covered for stacking : 0.1 ha

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

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

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

Overburden/waste removed (in m3) :	800
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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. : The ML area is mostly plain land with 2 to 3m elevation difference.
- b. Aesthetic environment : No aesthetic environment is observed in the mine
- c. Soil and land use pattern : Total lease area is covered with top soil. Top soil is recovered and used for agriculture field outside ML area. Area is very small and used for mining purpose.
- d. Agriculture : No agriculture is being carried out in the lease area
- e. Forest(flora and fauna) : It is private patta land and no forest is involved.
- f. Vegetation : Small babool bushes are existing here and there on unbroken lease area.
- h. Public building, places and monuments (protected, historical), place of worship and places of tourist : No such places are found in and around the lease area.

### B Water environment.

- a. Surface water : There is no perennial water sources in the lease area. One seasonal nala is passing North of mining lease boundary.
- b. Ground water : Ground water table is about 15m below the present mine workings and not going to be disturbed by mine workings.
- c. Quality of water : Good

### C. Air environment

- a. Noise : No drilling and blasting is carried out and hence no significant noise pollution is anticipated.
- b. Air : No drilling and blasting is carried out and hence no significant air pollution is anticipated.
- c. Climatic condition : Temp. ranges from 12 to 45 degree in a year and annual rain fall is 800mm

### D. Socio economic environment

- a. Social and demographic profile. : Main occupation of people is agriculture and mining .
- b. Recommending health and safety. : As it is small mine no safety on health problem is expected.
- c. Human settlement : There is no human settlement in ML area.
- d. Recreational facility. : No recreation facilities are available at mine site, however they are available at Dhone which is 12km from mine.

#### 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

Air data for excess parameters

Season	Station name	Type of area	Parameter	Value	
				Actual	Excess

PLANTATION DURING THE PREVIOUS YEAR      2012 - 2013

Area in Hect.

TOP SOIL MANAGEMENT

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.

Reserves:

Proved: 361349 tonnes(111)  
Probable: 129002 tonnes(121)  
Resources : 59878 tonnes(333)

Production- 3406 tonnes  
Despatches-3941 tonnes  
stock- 681 tonnes  
Cost/ t- 275 tonnes  
PMV-170 /-

**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.)

A letter is being issued to the state Govt. for erection of boundary pillars.  
The Central Government (Infrastructure, Development, Mineral policy and Legislation, Mineral based industry, etc.)

NIL

Date :

(Ch.Suseela)

Indian Bureau of Mines