

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

**MCDR INSPECTION REPORT**

**Hyderabad regional office**

**Mine file No :** AP/PKSM/Si.Sd-18/hyd

**Mine code :** 54APR17026

- (i) Name of the Inspecting : **SR12** ) **S.Ranganath**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : GOVINDA RAJULU, REPRESENTATIVE  
Official with  
Designation
- (iv) Date of Inspection : 09/05/2013
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **PANDILAPALLI(3.279 HA)**
- (b) Category : B Manual
- (c) Type of Working : Opencast
- (d) Postal address
- State : ANDHRA PRADESH
- District : PRAKASAM (ONGOLE H.Q.)
- Village : PANDILAPALLI
- Taluka : CHINGANJAM
- Post office : VETAPALEM
- Pin Code :
- FAX No. :
- E-mail :
- Phone :
- (e) Police Station :
- (f) First opening date :
2. Address for : D.NO. 4-47, NEAR ANKALAMMA TEMPLE,  
correspondance VETAPALEM(V),  
PRAKASAM DIST.
3. (a) Lease Number :
- (b) Lease area :
- (c) Period of lease :
- (d) Date of Expiry :
4. Mineral worked : SILICA SAND Main

## 5. Name and Address of the

Lessee : A. SRINIVASA RAO  
 D.NO. 4-47, NEAR ANKALAMMA  
 TEMPLE VETAPALEM (V) 7 (M)  
 PRAKASAM DIST PRAKASAM  
 (ONGOLE H.Q.) ANDHRA  
 PRADESH  
 Phone:  
 FAX :

Owner : A. SRINIVASA RAO  
 D.NO. 4-47, NEAR ANKALAMMA  
 TEMPLE, VETAPALEM(V) & (M),  
 PRAKASAM DIST. PRAKASAM  
 (ONGOLE H.Q.) ANDHRA  
 PRADESH  
 Phone:  
 FAX :

6. Date of approval of Mining :  
 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		
Supervisory	1	288
CONTRACT		
Workers	12	288

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	
<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>Others</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</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.

This is the first MCDR inspection after opening of the mine. During the inspection, it was observed that there is no permanent boundary pillars erected at the lease area. In this connection a letter was issued to State ADMG, Ongole for taking further action. Lessee has not submitted Annual return for the year 2012-13 and a part time mining engineer & a part time geologist has not been appointed . Hence violation of rule 45(5)(b)(viii) and 42(1)(c)(ii) are being pointed out.

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 recommended

## 5. Scientific Mining

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

a.Type of prospecting : Nil and exploration i.e. pitting, drilling		Nil	
b.Total area covered : No Proposals during the year		Nil	Before grant of lease only 3 trial pits were carried out.

## B. Working (Rule 13)

a.Number and size of each pit (LxWxH)	: No specific proposals	Existing Pit size: 150 x 100 x 2 to 3 mts.	
b.Bench size(LxWxH)length can be defined as regular/irregular	: No specific Proposals	The bench height is maintaining about 2 to 4 mts as per topography	
c.Ore to waste ratio : pit wise if possible otherwise for mine	No overburden	No overburden . complete lease area occupied by silicasand	
d.Total area covered : under excavation/pits	: During the year it is about 2326 sq.mts	The area excavated during the year is almost as proposed in the AMP	

## C. Waste disposal (Rule 13)

a.Location of dumps	: No generation of waste	The occurrence of brounish fine sand with in white sand is rejectable	
e.Yearly generation of waste quantity.	: Nil	Nil	
b.Method of dumping whether advancing/retreat	: Nil	Nil	
c.Total area covered under waste dump.	: No waste is generated.	Nil	
d.No.and size of each waste dump with No of steps/lift/bench	: Nil	Nil	

## D. Production

b.Year wise production of last five year.	: During the year 2012-13: 10469 tonnes	During the year 2012-13: 9100 T (as per Monthly returns)	
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## D. Reserve

a.Reserve position as per latest MP/MS and at the time of inspection.	: As per AMP: Proved: 655600 Tonnes	As on 1.4.2013, Proved: 635000 Tonnes	
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RESERVE POSITION AS ON 01/04/2013

**SILICA SAND**

Category	Quantity in Tonnes	Grade
Proved	655600	
Probable		
Possible		
Total	655600	

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

Mineral	Production	Unit
SILICA SAND	9100	TON

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

Efforts for improving low grade and sub grade mineral. : No Mineral beneficiation is required

Efforts for improving percentage of recovery of ore. : No need of improving percentage of recovery

**Mineral Rule 15**

Percentage of recovery of ore pitwise w.r.t. ROM and total material : About 98% recovery

Number of benches in ore and waste. : No waste , one bench in ore

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

Qty of yearly generation and total qty available during inspection with grade : Nil

Number and size of each stack : No subgrade Mineral

Location of stacking. : Nil

Separate stacking from waste : Nil

Total area covered for stacking : Nil

**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) :	0
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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 lease area is compltly filled with silicasand without any overburden. Theis lease area abelongs to coastal area with sand dunes.
- b. Aesthetic environment : No aesthetic environment prevails. The reserve forest is existing out side of the western boundary of lease area.
- c. Soil and land use pattern : No soil cover. The sand does not support the agriculture.. Hence land not useful for any purpose other than mining
- d. Agriculture : No agriculture with in M.L. area. However, low lying areas are used for cashew plantation.
- e. Forest(flora and fauna) : The lease area belongs to patta land .But, the forest land is exist towards western boundary of the lease area.
- f. Vegetation : No vegetation except some cashew plantation in low lying areas out side area.
- h. Public building, places and monuments (protected, historical), placec of worship and places of tourist : No Monuments and place of worship and public buildings in and around the M.L.area.

### B Water environment.

- a. Surface water : No surface water hardly carries any silt from this area. and no taoxic elements are there to pollute the surface water.
- b. Ground water : The ground water table is about 4mts below ground level. Since No toxic material is present in the mene, no change change of pollution of ground water.
- c. Quality of water : The impact on quality of water is minimum as no toxic substences are available in the sand mining.

### C. Air environment

- a. Noise : The mining of sand is by manual means with out drilling and lasting. Hence no Noice or air pollution.
- b. Air : The mining of sand is by manual means with out drilling and blasting. Hence, no Air pollution.
- c. Climatic condition : Hot climate. southwest monsoomThe minimum and maximum and minimum temperature is about 43 and 14 Average rain fall is about 800 degrees.

### D. Socio economic environment

- a. Social and demographic profile. : The main occupation of the people is agriculture, The par time employment in mines enhancing the financial and social status of local people.
- b. Recommending health and safety. : Medical facilities available at vetapalem , Mandal H.Q. . Care has been taken by the lessee about the safety.
- c. Human settlement : Pandillapalli village is about 2 km from the lease area. where the human settlement is there.
- d. Recreational facility. : Available at Mandal Head quarters which is 5 km from the lease area.

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			
0	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.

Annual return for the year 2011-12 was received from the lessee. Annual return for the year 12-13 is yet to be received from the lessee. The details are given below:  
Cost of Production: Rs. 80, Reserves as on 1.4.2013: 635000 tonnes, PMV; Rs. 100,  
Production for the year 2012-13: 9100 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.)**

A letter was issued to state ADMG, Ongole regarding action to be to erect permanent boundary pillars at the lease area by the lessee.

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

Nil

Date :

(S.Ranganath)

Indian Bureau of Mines