

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

**MCDR INSPECTION REPORT**

**Hyderabad regional office**

**Mine file No :** AP/PKSM/QTZ-23/HYD

**Mine code :** 49APR17007

- (i) Name of the Inspecting : **SR12** ) **S.Ranganath**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : CH. CHALAPATI RAO, OWNER  
Official with  
Designation
- (iv) Date of Inspection : 08/05/2013
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **DARSI**
- (b) Category : B Manual
- (c) Type of Working : Opencast
- (d) Postal address  
State : ANDHRA PRADESH  
District : PRAKASAM (ONGOLE H.Q.)  
Village : DARSI  
Taluka : DARSI  
Post office : DARSI  
Pin Code :  
FAX No. :  
E-mail :  
Phone :
- (e) Police Station :
- (f) First opening date : 01/01/2011
2. Address for : h.no. 207, RAJAKISHORE RESIDENCY,  
correspondance CHENCHUPET, TENALI  
GUNTUR DIST.
3. (a) Lease Number :  
(b) Lease area :  
(c) Period of lease :  
(d) Date of Expiry :
4. Mineral worked : QUARTZ Main

## 5. Name and Address of the

Lessee : VENGAMAMBA MINERALS  
 20-6-66, BRINDAVAN NAGAR  
 ONGOLE, PRAKASAM DT.  
 PRAKASAM (ONGOLE H.Q.)  
 ANDHRA PRADESH  
 Phone:  
 FAX :

Owner : CH CHALAPATI RAO  
 CH. CHALAPATI RAO H.BNO.  
 207, RAJAKISHORE RESIDENCY,  
 TENALI, GUNTUR DIST. GUNTUR  
 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
<b>DIRECT</b>		
Supervisory	1	0
<b>CONTRACT</b>		
Workers	0	0

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.

Mine was not in operation during the inspection and also it was in non working position during 2002 to 2010 and since 2011. Only 2,300 tonnes of quartz produced since opening of the mine. The Scheme of mining was approved by State govt. on 28.2.2013. This office has not received Monthly returns since January, 2013 and Annual returns for the year 2012-13. The violations of rule 45(5) (a)(viii), 45(5)(b)(viii) are being pointed out based on scrutiny of office records.

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.

No such proposals are recommended under the rules

**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 : Not specified		Nil- during the year	7 Trenches were carried out before grant of lease as per AMP

**B. Working (Rule 13)**

c.Ore to waste ratio : Over burden is pit wise if possible negligible otherwise for mine		The quartz vein is exposed above ground level	
b.Bench : Bench height 2 to size(LxWxH)length can 3 mts be defined as regular/irregular		The bench height of the existing pit is 2 mts.	
a.Number and size of : Nil during the each pit (LxWxH) year		The existing pit size: 25X 15 x 2 mts.	
d.Total area covered : Not specified under excavation/pits		Only 400 Sq. mts.	

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

a.Location of dumps : Not proposed for Waste Dumps in the AMP		Nil	
b.Method of dumping : Not specified whether advancing/retreat		Nil	
c.Total area covered : Nil under waste dump.		Nil	
d.No.and size of each : Not specified waste dump with No of steps/lift/bench		Nil	

**D. Production**

b.Year wise : 600 tones per year production of last five year.		2008-09: Nil, 2009-10: Nil, 2010-11: 280 tonnes, 2011-12: Nil	
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**D. Reserve**

a.Reserve position as : Probable:2,80,000 per latest MP/MS and tonnes at the time of inspection.		Probable: 2,80,000 tonnes	
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**RESERVE POSITION AS ON 01/04/2013**

<b>QUARTZ</b>		
Category	Quantity in Tonnes	Grade
Proved		
Probable	280000	
Possible		
Total	280000	

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

Mineral	Production	Unit
QUARTZ	0	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 to improve the grade as no generation of sub grade

Efforts for improving percentage of recovery of ore. : Nil

**Mineral Rule 15**

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

Number of benches in ore and waste. : No benches in OB and one bench with 2 mts height in ore.

**Sub/grade mineral/fines (Rule 16)**

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

Number and size of each stack : No subgrade mineral stacks.

Location of stacking. : Nil

Separate stacking from waste : Does not arise as there is no subgrade mineral

Total area covered for stacking : Nil

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

No. of Boreholes	No. of Pits	No. of Trenches
0	0	7

**OVERBURDEN HANDLED DURING PREVIOUS YEAR 2012 - 2013****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 a plane and lessee's own patta land.. The quartz vein is elevated with respect to the surrounding agricultural lands.
- b. Aesthetic environment : There is no aesthetic environment prevailing the in and around the lease area.
- c. Soil and land use pattern : Soil cover in this area is very less. The soil towards south-eastern side is fertile land. Except some trees, the lessee is not using this land because of quartz exposures and hard soil cover.
- d. Agriculture : At present , the lease area is not useful for agriculture. After complete excavation of quartz this area area may be useful for agriculture.
- e. Forest(flora and fauna) : The lease area is not coming under Forest zone.
- f. Vegetation : The lease area is having quartz exposures and hard soil cover except south eastern side. The vegetation in the lease is almost very less.
- h. Public building, places and monuments (protected, historical), placec of worship and places of tourist : There is no public buildings , monuments and place of worship in and around the lase area.

### B Water environment.

- a. Surface water : The Nagarjuna sagar canal situated at a diistance of 500 mts from the lease area. This seasonal canal is useful for agriculture purpose. There is no adverse effect antispated to the canal by the mining activity.
- b. Ground water : No effect for ground water as the mining activity is manual and abovethe ground water table.
- c. Quality of water : The quality of ground water is potable and with in permissible limits.

### C. Air environment

- a. Noise : No effect of Noice as the method of mining is manual with minimum blasrtings.
- b. Air : The air pollution is also not antispated due to transportation and blasting as the mining activity is in small scale.
- c. Climatic condition : The area is located under semiarid zone. The maximum temperature 40-43 in hot summer and annual rain fall is about 800 mm.

### D. Socio economic environment

- a. Social and demographic profile. : The lease area is surrounded by many villages. The nearest village is Darsi and the people occupation is mainly agriculture. The mining activity in this area improves the economy of villagers.

## 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	Parameter	Actual	Excess
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<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.

<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.

This office has not received Monthly returns since January 2013 and annual returns for the year 2012-13 from the lessee. Annual return for the year 2011-12 submitted with "NIL" production. The same was scrutinised and found it almost in order. Based on scrutiny of office records the violation of rule 45(5)(a)(viii) and 45(5)(b)(viii) are being pointed out. The reserves as per approved scheme of mining are as follows:  
Probable: 2,80000 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.)

Nil

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

Nil

Date :

(S.Ranganath)

Indian Bureau of Mines