

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

**MCDR INSPECTION REPORT**

**Hyderabad regional office**

**Mine file No :** AP/PKSM/QTZ-58/HYD

**Mine code :** 49APR17053

- (i) Name of the Inspecting : **SR12** ) **S.Ranganath**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : aSHOK, SUPERVISOR  
Official with  
Designation
- (iv) Date of Inspection : 07/05/2013
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **MOPADU(44.117 HA)**
- (b) Category : B Manual
- (c) Type of Working : Opencast
- (d) Postal address  
State : ANDHRA PRADESH  
District : PRAKASAM (ONGOLE H.Q.)  
Village :  
Taluka :  
Post office :  
Pin Code :  
FAX No. :  
E-mail :  
Phone :
- (e) Police Station :
- (f) First opening date :
2. Address for : S. MAHABOOB BASHA,  
correspondance 66/98, VALMIKI STREET, RAYACHOTI  
KADAPA 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 : M/S. STAR MINES & MINERALS  
 S. MAHABOOB BASHA m/S. STAR  
 MINES & MINERALS, h.nO.  
 66/98, VALMIKI STREET,  
 CUDDAPAH ANDHRA PRADESH  
 Phone:  
 FAX :RAYACHOTY, KADAPA DIST

Owner : M/S. STAR MINES & MINERALS  
 S.MAHABOOB BASHA, 66/98,  
 VALMIKI STREET, RAYACHOTY  
 KADAPA DIST. CUDDAPAH  
 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	30
<b>CONTRACT</b>		
Workers	15	30

**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					
Infrastructure					
Sub total					
Sub total					
Total					

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

This is first MCDR inspection after opening of the mine. The lease area was transferred from M/S Nagarjuna Minerals to M/s Star mines & Minerals on 22.6.2010. The lessee has not yet registered the mine under rule 45(1)&(2) of MCDR, 1988. The scheme of mining is due from 31.03.2007. Monthly & Annual returns since opening of the are not submitted . Hence, violations of rule 12(3), 13(1), 45(1) &(2), 45(5)(a)(viii) and 45(5)(b)(viii) of MCDR, 1988 were pointed out through violation cum show cause notice on 24.05.2013. Since the lessee has not responded to the show cause notice with in specified period, Order of suspension of mining operations issued to party on 4.7.2013.

**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.**

Since the lessee has not responded to the violation cum show cause notice with in specified time, order of suspension of mining operations under rule 13(2) and 45(7)(i)(a) of MCDR, 1988 issued to the lessee on 4.7.2013.

## 5. Scientific Mining

Items	Proposal	Actual work done	Remarks
<b>A. Exploration (Rule 13)</b>			
a.Type of prospecting : Nil and exploration i.e. pitting, drilling		Nil	
b.Total area covered : Nil		Nil	
<b>B. Working (Rule 13)</b>			
a.Number and size of : Not specified each pit (LxWxH)		Existing pits:1. 20 x 8 x 3 mts., 2. 50 x 5 x 3 mts, 3. 30 x 4 x 2 to 3 mts	
b.Bench : Not specified size(LxWxH)length can be defined as regular/irregular		Present bench hight is about 2 to 3 mts	
c.Ore to waste ratio : In the AMP, it is pit wise if possible mentioned as 1:6 otherwise for mine		During the 12-13, it is only 1:1	
d.Total area covered : Not specified under excavation/pits		3 small pit exist Total area : 530 Sq.ft.	
<b>C. Waste disposal (Rule 13)</b>			
a.Location of dumps : Top Soil and the side burden of host schist are the waste material		There is no waste dumps as mining activity is in initial stage.	
e.Yearly generation : 12,000 tonnes as of waste quantity. per AMP		Nil , as there is no regular mining activity	
b.Method of dumping : Nil whether advancing/retreat		Nil	
c.Total area covered : Nil under waste dump.		Nil	
d.No.and size of each : Nil waste dump with No of steps/lift/bench		Nil	
<b>D. Production</b>			
b.Year wise : Proposed production of last five year.	Production : 2250 tonnes	No production reported so far	
<b>D. Reserve</b>			
a.Reserve position as : Reserves as per per latest MP/MS and AMP:19616 Tonnes at the time of inspection.		No production reported . Hence Reserves existing: 19616	

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

**QUARTZ**

Category	Quantity in Tonnes	Grade
Proved	5807	
Probable	9299	
Possible	4510	
Total	19616	

**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 need as there is no low/sub grade mineral

Efforts for improving percentage of recovery of ore : No efforts made for improving the percentage of recovery.

**Mineral Rule 15**

Percentage of recovery of ore pitwise w.r.t. ROM and total material : Not reported by the lessee. only 500 tonnes produced from the pits.

Number of benches in ore and waste. : Only one bench with 2 to 3 mts depth.

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

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

Number and size of each stack : Nil

Location of stacking. : Nil

Separate stacking from waste : There is no sub grade 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	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 area is plain, gently sloping towards south. It is covered with 20 cm thick sandy soil underlain by morram layer of about 0.5 mts.
- b. Aesthetic environment : No aesthetic environment prevails.
- c. Soil and land use pattern : A cover of sandy soil of 20 cm thick and out crops of quartz occurs as small lenses along with schists
- d. Agriculture : No agriculture exists with in lease area.. The toal lease area is barren land.
- e. Forest(flora and fauna) : A few Thorny bushes distributed in the lease area . Jackal and rabbit are the faunal representatives.
- f. Vegetation : No major vegetation exists expect a few thorny bushes.
- 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 lease area .

### B Water environment.

- a. Surface water : No pernnial streems within the lease area. The dry water channels which carry the rain water regime. These water drain in to the Uppu vagu" towards south side of lease area.
- b. Ground water : The mining activity in shallow . Hence ground water pollution is not occur.
- c. Quality of water : There is no impact on quality of water

### C. Air environment

- a. Noise : Very marginal since drilling and blasting are rather limited
- b. Air : No impact is antispated in view of light duty of mining operations.
- c. Climatic condition : Temperature during summer days reaches up to 45 degrees c while winter nights experience 12-18 degrees c. The area receives annually rain fall is about 1000 to 1200 mm.

### D. Socio economic environment

- a. Social and demographic profile. : The nearest village is pamuru at a distance of 6 km, where all supplies and facilities available.
- b. Recommending health and safety. : All Medical facilities available at Pamuru , mandal Head quarters at a distace of 6 Km form WSW of lease area.
- c. Human settlement : The area is in the neighbourhood of several (9) villages with in 5 km. The maximum population i.e. 7500 at pamuru and a minimum population i.e. 650 at vaddepalem. Agriculture is main occupation of the villagers.
- d. Recreational facility. : Recreation facility is available at pamauru mandal head quarters.

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.
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<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.

So far , the lessee has not been submitted Monthly and Annual returns since opening of the mine. Hence, the scrutiny could not be taken up.

**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