

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

MCDR INSPECTION REPORT

Hyderabad regional office

Mine file No : AP/PKSM/QTZ-14/HYD

Mine code : 49APR17010

- (i) Name of the Inspecting : **SR12**) **S.Ranganath**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri Chandana Reddy, Lessee's representative.
Official with
Designation
- (iv) Date of Inspection : 07/05/2013
- (v) Prev.inspection date : 13/06/2003

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **RAO & RAO MINERALS**
- (b) Category : B Manual
- (c) Type of Working : Opencast
- (d) Postal address
State : ANDHRA PRADESH
District : PRAKASAM (ONGOLE H.Q.)
Village : MOPADU
Taluka : PAMUR
Post office :
Pin Code :
FAX No. :
E-mail :
Phone :
- (e) Police Station :
- (f) First opening date : 01/04/2000
2. Address for : MOPADU (V)
correspondance : PAMURU (M)
PRAKASAM DT.
3. (a) Lease Number : APR1890
(b) Lease area : 20.24
(c) Period of lease : 20
(d) Date of Expiry : 21/03/2020
4. Mineral worked : QUARTZ Main

5. Name and Address of the

Lessee : Y.V.SESHA RAO
MOPADU (V) PAMUR (M)
PRAKASAM DT. PRAKASAM
(ONGOLE H.Q.) ANDHRA
PRADESH
Phone:
FAX :

Owner : Y.V.SESHA RAO
MOPADU (V) PAMURU (M)
PRAKASAM DT. 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	0
CONTRACT		
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	
General					
Housing	0.00	0.00	0.00	0.00	
Sub total	0.00	0.00	0.00	0.00	
Infrastructure					
Sub total			0.00		
Others	0.00	0.00	0.00	0.00	
Total	0.00	0.00	0.00	0.00	

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

During current inspection on 7.5.2013, the mine was not working, The lessee's representative informed and as per data of scheme of mining approved by State govt. that the mining operations are temporarily discontinued since 2004. lessee has not submitted temporary discontinuous notice. The scheme of mining was approved on 29.11.2012 by the State Govt. for the period of 2 years from 2012-13 to 2013-14. The lessee have been submitted Monthly returns with "Nil" Production up to January, 2013 and Annual returns up to 2011-12. Hence, Violations of rule 45(5)(a)(viii) and 45(5)(b)(viii) have been observed 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, 19888, if recommended.

Not recommended at present

5. Scientific Mining

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

- a.Type of prospecting and exploration i.e. pitting, drilling : Proposed 6 nos DTH and 4 trial pits during the period 2012-13 to 2013-14. During the year 2012-13, the lessee has not taken up any exploration
- b.Total area covered : Proposed to cover about 5 H of mineralised area. The out crops and old existing pits covered about 0.5 h

B. Working (Rule 13)

- a.Number and size of each pit (LxWxH) : Not specified Existing pits:(1). 46 x 38 x 5 M, (2) 130 x 11 x 6 mts , (3) 90 x 7 x 5.5 mts
- b.Bench size(LxWxH)length can be defined as regular/irregular : Proposed to form a bench in between 112 and 99 M, R.Ls., regular Nil as the mine was not working since 2003
- c.Ore to waste ratio pit wise if possible otherwise for mine : Nil Nil
- d.Total area covered under excavation/pits : Not specified About 0.5 H

C. Waste disposal (Rule 13)

- a.Location of dumps : Proposed to dump waste material towards eastern portion of lease area. During the Year Nil
- e.Yearly generation of waste quantity. : Proposed about 17000 cu. mts. during the year Nil
- b.Method of dumping whether advancing/retreat : Not specified Nil
- c.Total area covered under waste dump. : Proposed to cover total area of about 36000 cu.mts. During the year no waste material produced as the mining operations were discontinued since 2002-03.
- d.No.and size of each waste dump with No of steps/lift/bench : Nil One waste dump is existing at eastern side of lease area.

D. Production

- b.Year wise production of last five year. : Proposed production during the year 2012-13: 10952 tonnes Mine not working . Production: Nil

D. Reserve

a. Reserve position as : PROVED: 321450, PROVED: 321450,
 per latest MP/MS and PROBABLE: 40825; PROBABLE: 40825;
 at the time of POSSIBLE: 40825 as POSSIBLE: 40825
 inspection. per approved
 scheme of mining,
 dated 29.11.2012

ine is not
 working and
 there is no
 production
 since long time

RESERVE POSITION AS ON 01/04/2013

QUARTZ

Category	Quantity in Tonnes	Grade
Proved	321450	
Probable	40825	
Possible	40825	
Total	403100	

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 made for improving low grade/sub grade mineral as the generation of low grade ore is meager.

Efforts for improving percentage of recovery of ore. : The percentage of recovery is being improved by manual sorting and sizing.

Mineral Rule 15

Percentage of recovery of ore pitwise w.r.t. ROM and total material : Percentage of recovery of quartz from ROM: 90%

Number of benches in ore and waste. : No overburden, 2 benches in ore.

Sub/grd mineral/fines (Rule16)

Qty of yearly generation and total qty available during inspection with grade : Nil as the mining operations were discontinued since 2003

Number and size of each stack : only stock at NE part of lease area.

Location of stacking. : The sub grade ore stack is located in north eastern part of lease at 100 MRL

Separate stacking from waste : The generation of sub grade ore is meagure

Total area covered for stacking : 1000 Sq. ft.

Exploration data as on 31/03/ 2013

No. of Boreholes	No. of Pits	No. of Trenches
	6	

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 area is undulating terrain, where the deposit forms apart of slope of the hillock. The height of the hillock varies from 3 to 40 mts. It is government grazing land.
- b. Aesthetic environment : No aesthetic environment exist in and around the lease area.
- c. Soil and land use pattern : A thin soil cover (0.5 m) was found and this is useful for Afforestation.
- d. Agriculture : The lease area is not useful for agriculture.
- e. Forest (flora and fauna) : The lease area is not falling in the forest area. No Vegetation is exist except some small bushes.
- f. Vegetation : The forest land is not involved in the mining lease area.
- h. Public building, places and monuments (protected, historical), place of worship and places of tourist : No such building or place of worship was found within lease area.

B Water environment.

- a. Surface water : There are no rivers, tanks, and other perennial water sources in and around the area. The rain water flows through slopes and collected in old pit located in eastern side lease area.
- b. Ground water : There is no open wells or bore wells in and around this area. The ground water table is available at the depth of 30 mts in the nearest village. Since the mine workings are confined up to 25 mts depth, no chance of accumulation of ground water in workings.
- c. Quality of water : Mopadu reservoir is 3 km away from the workings. Since no toxic materials located anywhere in the lease area. Therefore, the downstream will not effect the quality of reservoir water.

C. Air environment

- a. Noise : Since the mining operations are in manual method, the Noise pollution is within permissible limits.
- b. Air : The air in this area is fresh and unpolluted because the area is away from industries. Due to this mining air will be polluted slightly at the time of drilling and blasting. At present the air pollution is within permissible limits.
- c. Climatic condition : Semi Arid climate. The average annual rain fall is about 500 mm

D. Socio economic environment

- a. Social and demographic profile. : The main occupation of the local people is agriculture and mining in this area is an added advantage for them to raise their standard of living.
- b. Recommending health and safety. : Nothing against health & Safety was reported.
- c. Human settlement : There is no human settlement in the lease area. The nearest village is Mopadu having population of about 2000. **Page 7 of 10**

d. Recreational facility. : No recreation facility available with in lease area all such facilities available at Mandal Head quarters Pamuru.

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.

<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 mine is non-working position since 2004. Lessee has not submitted Monthly returns since February, 2013 and Annual return for the year 2012-13. Hence violation of rule 45(5)(a)(viii) and 45(5)(b)(viii) is being pointed out based on scrutiny of office records. The reserves position as on 1.4.2013 as per scheme of Mining as follows:
Proved: 321450 tonnes, Probable: 40825, Possible: 40825 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