

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

**Review and updation of Mining Plan REPORT**

**Hyderabad regional office**

**Mine file No :** AP/NLR/MC-339

**Mine code :** 41APR15151

- (i) Name of the Inspecting : **M001** ) **S K MUDULI**  
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : **SRI G KALYANA CHAKRAVARTHY NAIDU LESSEE**  
Official with  
Designation
- (iv) Date of Inspection : 03/09/2018
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **UTUKURU(4.978 HA)**
- (b) **Registration NO.** : **IBM/10875/2012**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : **ANDHRA PRADESH**
- District : **NELLORE**
- Village :
- Taluka :
- Post office :
- Pin Code :
- FAX No. : --
- E-mail : **SRI\_NANI78@YAHOO.COM**
- Phone : **9666505739**
- (f) Police Station : **SYDAPURAM**
- (g) First opening date : **01/06/2009**
- (h) Weekly day of rest : **SUN**
2. Address for : **H.NO.19-8-169/20,SBI COLONY**  
correspondance **TIRUPATHI(URBAN)**  
**CHITTOOR DISTRICT ANDHARA PRADESH**
3. (a) Lease Number :
- (b) Lease area :
- (c) Period of lease :
- (d) Date of Expiry :
4. Mineral worked : **MICA** Main
- FELSPAR** Associated
- QUARTZ** Associated
- VERMICULITE** Associated

5. Name and Address of the

Lessee : G.CHAKRAVARTHI NAIDU  
UTUKUR(V) SYDAPURAM(M)  
NELLORE DISTRICT NELLORE  
ANDHRA PRADESH  
Phone:  
FAX :

6. Date of approval of Mining :  
Plan/Scheme of Mining

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

| Sl.No. | Item  | Proposals  | Actual work   | Remarks   |
|--------|---|--|---|---|
| 1a     | Backlog of previous year  | 3 nos of trenches of 10m X 3m X 3m in the year 2011-12 | Nil   |   |
| 1b     | Exploration over lease area for geological axis 1 or 2              | Nil  | 1.090Ha (Mining Pit area with max depth of mining 20m).   |   |
| 1c     | Exploration Agencies and Expenditure in lakh rupees during the year | Nil  | Nil   | 6nos exploratory pits made in 2018-19 with an expenditure of about Rs 0.60 Lakhs.                             |
| 1d     | Balance area to be explored to bring Geological axis in 1 or 2      |  | 3.778 Ha  |   |
| 1e     | Balance reserve as on 01/04/20                                      | No approved mining proposal                            | Balance mineable Reserves Quartz-53876 tonnes, Feldspar-98938 tonnes, Vermiculite-17280 tonnes as per the reserves/resources quantity approved in the last mining plan document |   |
| 1f     | General remarks of inspecting officers on geology, exploration etc  | No approved mining proposal                            |   | Exploration is at very primary stage. Concrete proposal to be made to explore the entire area under G1 level. |

## Development :

| Sl.No. | Item                                      | Proposals                         | Actual work | Remarks  |
|--------|---|-----------------------------------|-------------|--|
| 2a     | Location of development w.r.t. lease area | No valid approved mining proposal | ...         | In total the mining pit has been developed in NW-SE direction between E 142 to E280 and N 100 to N285. |

|    |   |                                   |  |
|----|---|-----------------------------------|--|
| 2b | Separate benches in topsoil, overburden and minerals (Rule 15)                          | No valid approved mining proposal | Mineral quartz, feldspar mined out combinely by developing benches and thereafter segregated. vermiculite is mined out at the contact zone.                                  |
| 2c | Stripping ratio or ore to OB ratio  | No valid approved mining proposal | Mine is not in operation during 2017-18.   |
| 2d | Quantity of topsoil generation in m3  | No valid approved mining proposal | Mine is not in operation during 2017-18.   |
| 2e | Quantity of overburden generation in m3   | No valid approved mining proposal | Mine is not in operation during 2017-18.   |
| 2f | General remarks of inspecting officers on development of pit w.r.t. type of deposit etc |                                   | Mine is not in operation during 2017-18. How ever in total the mine pit has been developed in the NW-SE direction and the developement of pit is ok wrt the type of deposit. |

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### Exploitation:

| Sl.No. | Item  | Propasals                              | Actual work   | Remarks                     |
|--------|---|--|---|-----------------------------|
| 3a     | Number of pit proposed for production                             | No valid approved mining plan proposal | Mine is not in operation during 2017-18.  | Only two mining pit exists. |
| 3b     | Quantity of ROM mineral production proposed                       | No valid approved mining proposal      | Mine is not in operation during 2017-18. 3000 tonnes produced from old ob/waste dump. |                             |
| 3c     | Recovery of sailable/usable mineral from ROM production           | No valid approved mining plan proposal | Mine is not in operation during 2017-18   |                             |
| 3d     | Quantity of mineral reject generation                             | No valid approved mining plan          |   |                             |
| 3e     | Grade of mineral rejects generation and threshold value declared. | No valid approved mining plan          |   |                             |

|    |  |                               |   |   |
|----|--|-------------------------------|---|---|
| 3f | Quantity of sub grade mineral generation.  | No valid approved mining plan | Mine is not in operation during 2017-18.  |   |
| 3g | Grade of sub grade mineral generation  | No valid approved mining plan | Mine is not in operation during 2017-18.  |   |
| 3h | Manual / Mechanised method adopted for segregating from ROM  | No approved valid mining plan | Mine is not in operation during 2017-18.  | In general the segregation of ROM is done manually. |
| 3i | Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.      | No valid approved mining plan | Nil   |   |
| 3j | Provision of drilling and blasting in mineral benches  | No valid approved mining plan | Mine is not in operation during 2017-18.  |   |
| 3k | Provision of mining machineries in mineral benches   | No valid approved mining plan | Mine is not in operation during 2017-18.  |   |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | No valid approved mining plan |   |   |
| 3m | Total area covered under excavation/pits   | No valid approved mining plan | Total area covered under excavations/pit is 1.090 Ha.   |   |
| 3n | Ore to OB ratio for the pit/mine during the year.  | No valid approved mining plan | Mine is not in operation during 2017-18.  |   |
| 3o | Total area put in use under different heads at the end of year                                       | No valid approved mining plan | Around 2Ha.   |   |
| 3p | Production of ROM mineral during the last five year period as applicable                             | No valid approved mining plan | Production during the period 2013-14 to 2017-18 Quartz-182 tonnes, Feldspar-10195 tonnes, Vermiculite-772 tonnes. |   |
| 3q | General remarks of inspecting officers on method of mining etc.                                      |                               |   | ROM and waste dump mixed.                           |

## Solid Waste Management - Dumping:

| Sl.No. | Item   | Propasals                              | Actual work                     | Remarks   |
|--------|--|--|---------------------------------|---|
| 4a     | Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)   | No valid approved mining plan proposal |                                 | Old ob/waste dump exists  |
| 4b     | Location of topsoil, OB and mineral reject dumps                   | No valid approved mining plan proposal | N50 to N 208 and E 295 to E 345 | ROM dumped over old OB/waste dump   |
| 4c     | Number of dumps within lease area and outside of lease area        | No valid approved mining plan proposal | 1                               | In the approved mining plan period 2008-09 to 2012-13 Proposal for dumping mineral waste in between N 0 to N 65 and E 232 to E 330 and also proposed to dump OB in between N-71 to N 92 and E 232 to E 330. But during inspection it was observed that Mineral (ROM), OB & Waste dumping has been done N50 to N 208 and E 295 to E 345. |
| 4d     | Location of dumps w.r.t. ultimate pit limit (Rule 16)              | -                                      | Outside UPL                     |   |
| 4e     | Number of active and alive dumps.                                  | -                                      | 1                               | Dumping activity extended out side the lease in East direction.   |
| 4f     | Number of dead dumps.  |  | Nil                             |   |
| 4g     | Number of dumps established.                                       | 1                                      | 1                               |   |
| 4h     | Whether Retaining wall or garland drain all along dumps are there. |  | Nil                             |   |
| 4i     | Length of Retaining wall or garland drain all along dumps          |  | Nil                             |   |
| 4j     | Number of settling ponds   |  | Nil                             |   |

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|----|--|--|
| 4k | Specific comments of inspecting officer on waste dump management | Repose angle is high and no environmental protection measures have been taken. |
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Solid Waste Management - Backfilling:

| Sl.No. | Item  | Propasals | Actual work  | Remarks  |
|--------|---|-----------|--|--|
| 5a     | Status of part or full extraction of mineral from mined out area before starting backfilling. |           | Nil  |  |
| 5b     | Area under backfilling of mined out area  |           | Nil.Till date no part of the lease area is completely exhausted. |  |
| 5c     | Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)     |           | Will be utilised for plantation purpose.                         |  |
| 5d     | Total area fully reclaimed and rehabilitated  |           | Nil  |  |
| 5e     | General remarks of inspecting officers on backfilling and reclamation etc.                    |           |  | Till date no part of the lease area is completely exhausted. |

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Progressive Mine Clousre Plan:

| Sl.No. | Item   | Propasals | Actual work | Remarks |
|--------|--|-----------|-------------|---------|
| 6a     | Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2). |           | No          |         |
| 6b     | Area available for rehabilitation (ha) .                                     |           | Nil         |         |
| 6c     | afforestation done (ha).   |           | Nil         |         |

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|    |   |     |
|----|---|-----|
| 6d | No. of saplings planted during the year | Nil |
| 6e | Cumulative no .of plants                | Nil |
| 6f | Any other method of rehabilitation      | Nil |

### Mineral Conservation:

| Sl.No. | Item   | Propasals                              | Actual work  | Remarks  |
|--------|--|--|--|--|
| 7a     | ROM Mineral dispatch or grade-wise sorting within lease area                           | No valid approved mining plan proposal | During 2017-18 there was Production of 3000 tonnes of Feldspar from old ob/waste dump.Also 3000 tonnes of Feldspar was despatched. |  |
| 7b     | Method of grade-wise mineral sorting i.e. manual or mechanical.                        | No valid approved mining plan proposal | Manual   |  |
| 7c     | Different grade of mineral sorted out at mines.  | No valid approved mining plan proposal | Mineral wise sorting for mineral Quartz,Feldspar is being carried out.   |  |
| 7d     | Any beneficiation process at mines .   | No valid approved mining plan proposal | Manual segregation.  |  |
| 7e     | General remarks of inspecting officer on Mineral conservation and beneficiation issues |  |  | Old OB/waste dump contains quartz,feldspar and needs to be segregated for quartz,feldspar. |

### Environment:

| Sl.No. | Item  | Propasals         | Actual work | Remarks |
|--------|---|-------------------|-------------|---------|
| 8a     | Separate removal and utilization of topsoil (Rule 32) | No valid proposal |             |         |
| 8b     | Concurrent use or storage of topsoil                  |                   |             |         |



|    |   |  |  |
|----|---|--|--|
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 33)                                      |  | One old OB/Waste dump exists   |
| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use           | No valid approved mining plan proposal | 3000 tonnes of feldspar produced from old ob/waste dump.   |
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | No valid approved mining plan proposal | No part of the lease area is completely exhausted to carry out reclamation and rehabilitation.                       |
| 8f | Baseline information on existence of plantation and additional plantation done (Rule 41)                    |  | Only bushes exists. However adjacent to the lease in the south side, Nilgiri plant cultivation has been carried out. |
| 8g | Survival rate   |  | No sapling plantation done.  |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area                          |  |  |

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#### Compliance of Rule 45:

| Sl.No. | Item  | Proposals   | Actual work   | Remarks   |
|--------|---|---|---|---|
| 9a     | Status of submission of Monthly and Annual returns                                  | Annual return not submitted since opening of the mine | Annual return not submitted since opening of the mine   | Violation issued for non submission of monthly and annual return. |
| 9b     | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | Annual return not submitted since opening of the mine | Annual return not submitted since opening of the mine. However Sri P.Sivaiah has been appointed as Mining Engineer. |   |

|    |   |   |                                      |
|----|---|---|--------------------------------------|
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Annual return not submitted since opening of the mine | In total 2 Ha                        |
| 9d | Scrutiny of Annual return on afforestation  | Annual return not submitted since opening of the mine | No sapling plantation has been done. |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade and quantity)                   | Annual return not submitted since opening of the mine |                                      |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore                                      | Annual return not submitted since opening of the mine | ROM found mixed with OB/waste dump   |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price and production cost                   | Annual return not submitted since opening of the mine |                                      |
| 9h | Scrutiny of Annual return on fixed assets   | Annual return not submitted since opening of the mine |                                      |

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**Details of violations observed during current inspection and compliance position of violation pointed out**

| Violation observed |               |               | Show couse position |           |               |
|--------------------|---------------|---------------|---------------------|-----------|---------------|
| Rule NO.           | Issued on     | Compliance on | Rule NO.            | Issued on | Compliance on |
| MCDR17             | Rule 11(1)    | 19/09/2018    |                     |           |               |
| MCDR17             | Rule 14(1)    | 19/09/2018    |                     |           |               |
| MCDR17             | Rule 31(1)    | 19/09/2018    |                     |           |               |
| MCDR17             | Rule 45(5)(k  | 19/09/2018    |                     |           |               |
| MCDR17             | Rule 45(5)(c  | 19/09/2018    |                     |           |               |
| Rule 46            |               | 19/09/2018    |                     |           |               |
| MCDR17             | Rule 47(a)    | 19/09/2018    |                     |           |               |
| MCDR17             | Rule 48       | 19/09/2018    |                     |           |               |
| MCDR17             | Rule 55(1)(3) | 19/09/2018    |                     |           |               |

**Date :**

**(S K MUDULI)**

Indian Bureau of Mines