

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

**Review and updation of Mining Plan REPORT**

**Hyderabad regional office**

**Mine file No :** P/ANP/LST-24/HYD

**Mine code :** 38APR02023

- (i) Name of the Inspecting : ~~M001~~ ) S K MUDULI  
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : C.Ramanjulu  
Official with  
Designation
- (iv) Date of Inspection : 23/08/2017
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **SWATI LST. MINE (SN188/P)**
- (b) **Registration NO.** :
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ANDHRA PRADESH
- District : ANANTAPUR
- Village : P. EKKALUR
- Taluka : TADPATRI
- Post office : PEDDA PAPPURU
- Pin Code : 515411
- FAX No. : -
- E-mail : -
- Phone : 08558-277437,9440017581
- (f) **Police Station** : Yadaki
- (g) **First opening date** : 07/08/1995
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : 4/98 Extension,  
Rayalacheruvu, Ananthapur District,  
PIN:515458
3. (a) **Lease Number** : APR1066
- (b) **Lease area** : 16.99
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 28/08/2010
4. **Mineral worked** : DOLOMITE Associated  
SERPENTINE Associated  
LIMESTONE Main  
SHALE Associated

5. Name and Address of the

Lessee : M/S SWATHI MINES  
RAYALACHERUVU ANANTAPUR A.P  
515455 ANANTAPUR ANDHRA  
PRADESH  
Phone:77437 (08558)  
FAX :

Owner : A.SURESH(M.G.PART)M/S.SWATIMINES  
4/98,EXTENSION,RAYALACHERUV  
U(V) TADIPATRI(MANDALAM)  
ANANTAPUR 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                                            | No proposal | Nil                                                                                                                                                                                             | Drilled 7 DTH bore holes each of 50m depth during 2017-18                                                                                                      |
| 1b     | Exploration over lease area for geological axis 1 or 2              | No proposal | Nil                                                                                                                                                                                             | Lease area explored by drilling 7 nos DTH bore holes and nearly 8 Ha area has been explored under G1 & G2 level exploration                                    |
| 1c     | Exploration Agencies and Expenditure in lakh rupees during the year | No proposal |                                                                                                                                                                                                 | Lessee during 2017-18                                                                                                                                          |
| 1d     | Balance area to be explored to bring Geological axis in 1 or 2      | No proposal | 13.498 Ha                                                                                                                                                                                       | Around 9 Ha as on date of inspection                                                                                                                           |
| 1e     | Balance reserve as on 01/04/20                                      | No proposal | As per Annual return submitted -Shale reserves/ resource reported is -Nil, whereas for Limestone-Catregory Reserves/Resoucres<br>111<br>1297 tonnes<br>122<br>2305 tonnes<br>222<br>3780 tonnes | As per the draft submission which got rejected. Limestone reserves/resources -0.017 million tonnes<br>- Dolomite reserves/resources -4.403 million tonnes<br>- |

## Development :

| Sl.No. | Item                                                           | Propasals   | Actual work                                                                                                                                     | Remarks |
|--------|----------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| 2a     | Location of development w.r.t.lease area                       | No proposal | 4 pit falling in the saftey zone area of the public road in western side of the lease area and two dolomite pit in the north side of the lease. |         |
| 2b     | Separate benches in topsoil, overburden and minerals (Rule 15) | No proposal | separate benches maintained.                                                                                                                    |         |

|    |                                         |             |             |
|----|-----------------------------------------|-------------|-------------|
| 2c | Stripping ratio or ore to OB ratio      | No proposal | 1:0.45      |
| 2e | Quantity of overburden generation in m3 | No proposal | 8000 tonnes |

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### Exploitation:

| Sl.No. | Item                                                                                            | Propasals   | Actual work                                                                                           | Remarks                              |
|--------|-------------------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------|--------------------------------------|
| 3a     | Number of pit proposed for production                                                           | No Proposal | two pits for limestone and two pits for dolomite                                                      |                                      |
| 3b     | Quantity of ROM mineral production proposed                                                     | No Proposal | Limestone during 2016-17 -17710 tonnes of Limestone produced.Dolomite not reported in annual returns. |                                      |
| 3c     | Recovery of sailable/usable mineral from ROM production                                         | No Proposal |                                                                                                       | 70% as per last approved mining plan |
| 3d     | Quantity of mineral reject generation                                                           | No Proposal | Nil                                                                                                   |                                      |
| 3e     | Grade of mineral rejects generation and threshold value declared.                               | No proposal | Nil                                                                                                   |                                      |
| 3f     | Quantity of sub grade mineral generation.                                                       | No Proposal | Nil                                                                                                   |                                      |
| 3g     | Grade of sub grade mineral generation                                                           | No Proposal | Nil                                                                                                   |                                      |
| 3h     | Manual / Mechanised method adopted for segregating from ROM                                     | No Proposal | Mechanised method.Crushing and screnning plant exist within the Mining lease area.                    |                                      |
| 3i     | Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects. | No Proposal |                                                                                                       |                                      |

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|----|--------------------------------------------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3j | Provision of drilling and blasting in mineral benches                    | No Proposal | Jack Hammer drilling and blasting being carried out                                                                                                                                                                                                                                                                                                                                                                                  |
| 3k | Provision of mining machineries in mineral benches                       | No proposal | Manual and Partly mechanised.Using Excavator.                                                                                                                                                                                                                                                                                                                                                                                        |
| 3m | Total area covered under excavation/pits                                 |             | 3.5 Ha                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 3n | Ore to OB ratio for the pit/mine during the year.                        |             | 1:0.45                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 3o | Total area put in use under different heads at the end of year           |             | 5.5 Ha                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 3p | Production of ROM mineral during the last five year period as applicable |             | <p>Limestone-</p> <p>2011-12- Nil</p> <p>2012-13-2641 tonnes</p> <p>2013-14-6100 tonnes,</p> <p>2014-15-11222 tonnes,</p> <p>2015-16-7000 tonnes,</p> <p>2016-17- 17710 tonnes</p> <p>Dolomite-</p> <p>2011-12-3415 tonnes,</p> <p>2012-13-3615 tonnes,</p> <p>2013-14-16950 tonnes,</p> <p>2014-15-5065 tonnes,</p> <p>2015-16-Production not reported in annual return</p> <p>2016-17-Production not reported in annual return</p> |

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Solid Waste Management - Dumping:

| Sl.No. | Item                                                             | Propasals   | Actual work                                                                                                  | Remarks |
|--------|------------------------------------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------|---------|
| 4a     | Separate dumping of topsoil, OB and mineral rejects (Rule 32,33) | No proposal | Separate waste and mineral stock are being maintained                                                        |         |
| 4b     | Location of topsoil, OB and mineral reject dumps                 | No Proposal | One major Waste dump in western side of the lease and falling within the 50m safety zone of the public road. |         |

|    |                                                                    |             |                                                                                                                                                                                                        |
|----|--------------------------------------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4c | Number of dumps within lease area and outside of lease area        | No proposal | 1 major waste dump in the western side of the lease area and three small waste dumps maintained within the lease area. Major waste dump is falling within the 50m safety zone area of the public road. |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16)              | No Proposal | One major waste dump falling within the 50 m safety zone of the public road in the western side of the mining lease.                                                                                   |
| 4e | Number of active and alive dumps.                                  | No proposal | one major waste dump and three small waste dumps are active and alive                                                                                                                                  |
| 4f | Number of dead dumps.                                              | No proposal | Nil                                                                                                                                                                                                    |
| 4g | Number of dumps established.                                       |             | Nil                                                                                                                                                                                                    |
| 4h | Whether Retaining wall or garland drain all along dumps are there. |             | No                                                                                                                                                                                                     |
| 4i | Length of Retaining wall or garland drain all along dumps          |             | Nil                                                                                                                                                                                                    |
| 4j | Number of settling ponds                                           |             | Nil                                                                                                                                                                                                    |

#### 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. | No proposal | Nil            |         |
| 5b     | Area under backfilling of mined out area                                                      | No proposal | Nil            |         |
| 5c     | Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)     | No proposal | For plantation |         |

|    |                                              |     |
|----|----------------------------------------------|-----|
| 5d | Total area fully reclaimed and rehabilitated | Nil |
|----|----------------------------------------------|-----|

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Progressive Mine Closure Plan:

| Sl.No. | Item                                                                                                        | Propasals   | Actual work                                                                                                                                                                                   | Remarks |
|--------|-------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| 6a     | Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).                                |             | Not submitted                                                                                                                                                                                 |         |
| 6b     | Area available for rehabilitation (ha) .                                                                    | No proposal | Nil                                                                                                                                                                                           |         |
| 6c     | afforestation done (ha).                                                                                    | No proposal | 500 nos                                                                                                                                                                                       |         |
| 6d     | No. of saplings planted during the year                                                                     | No proposal | 500 nos                                                                                                                                                                                       |         |
| 6f     | Any other method of rehabilitation                                                                          |             | Nil                                                                                                                                                                                           |         |
| 6g     | Cost incurred on watch and care during the year                                                             |             | Figure not available                                                                                                                                                                          |         |
| 6h     | Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( L x B x D |             | No area is matured for reclamation by backfilling.How ever 4nos pits lying in the 50m safety zone area of the public road can be backfilled after getting due permission from the state govt. |         |
| 6m     | Compliance of rehabilitation of waste land within lease (i)afforestation                                    |             | The whole mining lease area is mineralised.                                                                                                                                                   |         |
| 6p     | Compliance of environmental monitoring (core zone and buffer zone)                                          |             | Environmental monitoring not carried out.                                                                                                                                                     |         |

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Mineral Conservation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|------|-----------|-------------|---------|
|--------|------|-----------|-------------|---------|

|    |                                                                                        |             |                                                                          |
|----|----------------------------------------------------------------------------------------|-------------|--------------------------------------------------------------------------|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area                           | No proposal | Despatch of LD grade Limestone-17082 tonnes, LD grade for steel industry |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical.                        | No proposal | Crushing and screening                                                   |
| 7c | Different grade of mineral sorted out at mines.                                        | No proposal | size wise separation for separating LD grade for steel industry.         |
| 7d | Any beneficiation process at mines                                                     | No proposal | Nil. However crushing and screening is being carried out                 |
| 7e | General remarks of inspecting officer on Mineral conservation and beneficiation issues |             | Crushing and screening is being carried out                              |

## Environment:

| Sl.No. | Item                                                                                              | Proposals   | Actual work                                     | Remarks |
|--------|---------------------------------------------------------------------------------------------------|-------------|-------------------------------------------------|---------|
| 8a     | Separate removal and utilization of topsoil (Rule 32)                                             | No proposal | Being carried out.                              |         |
| 8b     | Concurrent use or storage of topsoil                                                              | No proposal | Being utilised for plantation.                  |         |
| 8c     | Separate dumps for overburden, waste rock, rejects and fines (Rule 33)                            | No proposal | separate dump for waste and mineral maintained. |         |
| 8d     | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | No proposal | Nil                                             |         |

|    |                                                                                                             |             |                              |
|----|-------------------------------------------------------------------------------------------------------------|-------------|------------------------------|
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | No proposal | Nil                          |
| 8f | Baseline information on existence of plantation and additional plantation done (Rule 41)                    | No proposal | Survival rate very poor < 5% |
| 8g | Survival rate                                                                                               |             | Very Poor < 5%               |
| 8h | Water sprinkling on roads to control airborne dust                                                          | No proposal | Being done                   |

#### Compliance of Rule 45:

| Sl.No. | Item                                                                                          | Propasals | Actual work                                                     | Remarks |
|--------|-----------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------|---------|
| 9a     | Status of submission of Monthly and Annual returns                                            |           | Lessee submitting the monthly and annual return regularly.      |         |
| 9b     | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager           |           | No part time mining engineer and part time geologist appointed. |         |
| 9c     | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. |           | Not submitted correctly.                                        |         |
| 9d     | Scrutiny of Annual return on afforestation                                                    |           | Planted 500 nos saplings.Survival rate is less than 5%.         |         |
| 9e     | Scrutiny of Annual return on mineral reject generation (Grade and quantity)                   |           | No mineral reject generation.                                   |         |

|    |                                                                             |                                                                                                      |
|----|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore                    | ROM production is shown as Nil, but the grade wise production is shown as 17710 tonnes of Limestone. |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price and production cost | Exploration cost and over head cost is shown on higher side.                                         |
| 9h | Scrutiny of Annual return on fixed assets                                   |                                                                                                      |
| 9k | Scrutiny of Annual return on mining machineries                             | Only details Air Compressor has been furnished. Details of excavator used not furnished.             |

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

| Violation observed |           |               | Show cause position |           |               |
|--------------------|-----------|---------------|---------------------|-----------|---------------|
| Rule NO.           | Issued on | Compliance on | Rule NO.            | Issued on | Compliance on |

**Date :**
**(S K MUDULI)**

Indian Bureau of Mines