

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

**Mining Plan Modification REPORT**

**Hyderabad regional office**

**Mine file No :** AP/ANP/L,ST-11/HYD

**Mine code :** 38APR02016

- (i) Name of the Inspecting : **M001** ) **S K MUDULI**  
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Sri P.Sreenivasulu-Lessee  
Official with  
Designation
- (iv) Date of Inspection : 10-OCT-20
- (v) Prev.inspection date : 03-APR-18

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **PEDEKKADUR (S.N.41)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :  
State : ANDHRA PRADESH  
District : ANANTAPUR  
Village : PEDEKALUR  
Taluka : TADIPATRI  
Post office : PEDEKALUR  
Pin Code :  
FAX No. :  
E-mail :  
Phone :
- (f) Police Station :
- (g) First opening date : 01-JAN-85
- (h) Weekly day of rest : SUN
2. Address for : P.SRINIVASULU, RAYALACHERUVU ( PO)- 515455  
correspondance ANATAPUR DISTRICT ANDHRAPRADESH
3. (a) Lease Number : APR3431
- (b) Lease area : 7.03
- (c) Period of lease : 20
- (d) Date of Expiry : 06-DEC-18
4. Mineral worked : CLAY (OTHERS) Associated  
LIMESTONE Main  
SERPENTINE Associated  
DOLOMITE Associated

## 5. Name and Address of the

Lessee : P.SRINIVASULU  
 RAYALACHERUVU, R.S,(P.O)  
 YADIKI(MANDAL) ANANTAPUR  
 ANDHRA PRADESH  
 Phone:08558-77501  
 FAX :

Owner : P.SRINIVASULU  
 S/O.LATE.P.SUBBAIAH  
 RAYALACHERUVU(PO)  
 ANANTAPUR ANDHRA PRADESH  
 Phone:  
 FAX :

## Mining Engineer

Name : G.SRINIVASULU,Full Time  
 Qualification : DIPLOMA IN MINING ENGINEERING  
 Appointment/ : 15-MAR-03  
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	02-NOV-99
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	08-JUL-05
		Mining Scheme rule 12 MCDR1988	03-MAR-12
		Mining Scheme rule 12 MCDR1988	14-JUN-13
		MP modif under 17(3) MCR 2016	05-JAN-17

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No approved mining plan document from 2014-15 to 2019-20.	Nil	5 DTH boreholes drilled during 2016-17.
1b	Exploration over lease area for geological axis 1 or 2	No approved mining plan document from 2014-15 to 2019-20.	Nil	3.55 Ha. has been explored by G1 level.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No approved mining plan document from 2014-15 to 2019-20.	Nil	Lessee
1d	Balance area to be explored to bring Geological axis in 1 or 2	No approved mining plan document from 2014-15 to 2019-20.	Nil	3.658 Ha is still to be explored in G1 level.
1e	Balance reserve as on 01/04/20			Lst - 65168 tonnes Serpentine - 13097 tonnes Dolomite - 149799 tonnes White Shale - 26964 tonnes. Mine was suspended on 18.08.2017. Reserves and resources updated as on 01.11.2020 through MMP approved on 20.11.2020.

1f	General remarks of inspecting officers on geology, exploration etc	There is approved proposal for drilling 12 core bore holes during 2021-22 to explore the entire lease area under G1 level of exploration. Lithological sequence dolomite with white shale bonds limestone with separate bands.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	No approved Mining Plan document from 2014-15 to 2019-20	There are 2 major pits and 3 minor pits.	No separate benches developed for top soil, overburden.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No approved Mining Plan document from 2014-15 to 2019-20	Nil	
2c	Stripping ratio or ore to OB ratio	No approved Mining Plan document from 2014-15 to 2019-20	Nil	
2d	Quantity of topsoil generation in m3	No approved Mining Plan document from 2014-15 to 2019-20	Nil	
2e	Quantity of overburden generation in m3	No approved Mining Plan document from 2014-15 to 2019-20	Nil	

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2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	There are 2 nos. major pits and 3 nos. minor pits. The major two pits are of dimension 165m x 40m x 11.78m & 105m x 65m x 20.05m
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No approved Mining Plan document from 2014-15 to 2019-20	Nil	
3b	Quantity of ROM mineral production proposed	No approved Mining Plan document from 2014-15 to 2019-20	Nil	
3c	Recovery of sailable/usable mineral from ROM production	No approved Mining Plan document from 2014-15 to 2019-20	Nil	
3d	Quantity of mineral reject generation	No proposal	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	No proposal	Nil	
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	Nil	Manual method is being adopted for seggregating limestone, Dolomite, White shale, Serpentine plant is established for size reduction.

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3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Nil	
3j	Provision of drilling and blasting in mineral benches	No Proposal	Nil	Manual method of mining adopted earlier.
3k	Provision of mining machineries in mineral benches	No Proposal	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No Proposal	Nil	
3m	Total area covered under excavation/pits	No Proposal	Nil	So far 1.461 Ha. area is covered under excavation.
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil	
3o	Total area put in use under different heads at the end of year	No Proposal	Nil	Area under Mining : 1.461 Ha. Waste Dump : 0.393 H. Roads : 0.020 Ha. Mineral Storage : 0.485 Ha. Plant crushing & screening : 0.330 Ha.
3p	Production of ROM mineral during the last five year period as applicable			

3q General remarks of inspecting officers on method of mining etc. Opencast manual method of mining was practiced. However, now lessee has got the mine approved for fully mechanized method of mining by deploying HEMM.

#### 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	Nil	No mining operations were observed as mining was suspended by IBM on 18.08.2017.
4b	Location of topsoil, OB and mineral reject dumps	No Proposal	Nil	
4c	Number of dumps within lease area and outside of lease area	No Proposal	Nil	6 nos ROM stacks are observed within lease area of varying size.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	Nil	Dumps are found outside UPL and 3 nos. of waste dumps within the ML.
4e	Number of active and alive dumps.	No Proposal	No dumps are active due to suspension of mining operations at present	
4f	Number of dead dumps.	No Proposal	Nil	All the dumps are inactive and no dump is declared dead so far.
4g	Number of dumps established.	No Proposal	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	No Proposal	Nil	
4i	Length of Retaining wall or garland drain all along dumps	NA	NA	

4j	Number of settling ponds	No Proposal to develop settling pond	Nil	Water is found to accumulated at pit bottom.
4k	Specific comments of inspecting officer on waste dump management		There are no retaining wall, Gas land drain around the waste dump.	

#### 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	No part of the lease area is completely exhausted of mineral to start backfilling.
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	Nil	
5d	Total area fully reclaimed and rehabilitated	No Proposal	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		No part of the lease area is completely exhausted of mineral to start backfilling.	

#### 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).	To be submitted regularly.	Not submitted, as no activity is carried out due to suspension of Mining operation.	



6b	Area available for rehabilitation (ha) .	No proposal	Nil	No part of the lease area is completely exhausted of mineral to start backfilling.
6c	afforestation done (ha).	Not applicable	NA	So far 350 saplings have been planted, but the survival rate is less than 30%.
6d	No. of saplings planted during the year	No proposal	Nil	
6e	Cumulative no .of plants	No proposal	Nil	350 saplings so far.
6f	Any other method of rehabilitation			Backfilling is carried out on western side of the lease area to create safety zone to the public road exist nearby the lease. No other area is matured for backfilling.
6g	Cost incurred on watch and care during the year			
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal	Nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Nil	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal	Nil	

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	Nil	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation			
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)			
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation			
6p	Compliance of environmental monitoring (core zone and buffer zone)	Regular monitoring is to be carried out		Category B mines, hence monitoring not carried out.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Part backfilling was carried out on western side of the lease area to create safety zone to the public road exist nearby the lease. No other area is matured for backfilling.	

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Mineral Conservation:

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Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal	Nil	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	Nil	
7c	Different grade of mineral sorted out at mines.	No proposal	Nil	
7d	Any beneficiation process at mines .	No proposal	Nil	Crushing and screening plant has been established in the lease area.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Mine was not in operation during inspection and also mine was suspended by IBM on 18.08.2017. Manual segregation is being practiced to separate serpentine from limestone, white shale from dolomite. After separation of different type of mineral the grade of mineral increases after crushing.	

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**Environment:**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	Nil	2018-19
8b	Concurrent use or storage of topsoil	No proposal	Not applicable at present	Used for GBD

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8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	Nil	3 nos. of waste dumps are there. 6 nos. ROM stacks are there.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	On south-western side of lease area waste is being utilized for backfilling.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Not applicable at present	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No proposal	Nil	So far 350 saplings were planted.
8g	Survival rate			
8h	Water sprinkling on roads to control airborne dust	Nil		Mine was not in operation during inspection and also mine was suspended by IBM on 18.08.2017.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Plantation has been carried out to improve aesthetic beauty.	

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Compliance of Rule 45:

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Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Returns to be submitted regularly.	Annual return for the year 2019-20 has not been submitted as on date of inspection, but submitted through online on 05.11.2020.	Mine was suspended by IBM.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	NA	Mining Engineer & Geologist not appointed. Advised to appoint.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	NA	Not submitted correctly. 3.609 Ha. As per approved MMP.	
9d	Scrutiny of Annual return on afforestation	NA	Nil	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NA	There are 3 nos. waste dump within the mining lease.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NA	There are 6 stacks of ROM as on date of inspection.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NA	NIL	
9h	Scrutiny of Annual return on fixed assets	NA	One crushing and screening plant is there within the mining lease as on date of inspection. Value not known.	
9k	Scrutiny of Annual return on mining machineries	NA	Nil as on date of inspection.	

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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