

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

**Mining Plan Modification REPORT**

**Hyderabad regional office**

**Mine file No :** AP/KNL/LST-188/HYD

**Mine code :** 38APR11138

- (i) Name of the Inspecting : M001 ) S K MUDULI  
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : L.Sreenivasulu-Lessee, P.V.Narayan Rao-QP  
Official with  
Designation
- (iv) Date of Inspection : 12/03/2020
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : KOCHERUVU (6.621 HA)
- (b) **Registration NO.** :
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ANDHRA PRADESH
- District : KURNOOL
- Village : KOCHERUVU
- Taluka : KURNOOL
- Post office : KOCHERUVU
- Pin Code : 518222
- FAX No. :
- E-mail :
- Phone :
- (f) **Police Station** : DHONE
- (g) **First opening date** : 29/12/2009
- (h) **Weekly day of rest** : SUN
2. **Address for** :  
**correspondance**
3. (a) **Lease Number** : APR2806
- (b) **Lease area** : 6.62
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 26/11/2029
4. **Mineral worked** : DOLOMITE Associated  
LIMESTONE Main

5. Name and Address of the

Lessee : L.SRINIVASULU  
MINE OWNER KURNOOL ANDHRA  
PRADESH  
Phone:  
FAX :

6. Date of approval of Mining : MP modif under MCR 1960 10/08/2015  
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 approved proposal for the year 21018-19	How ever the lessee has completed 6 nos DTH bore holes for 90m in 2018-19.	
1b	Exploration over lease area for geological axis 1 or 2	No approved proposal for the year 21018-19	G1 area 1.5 Ha. G3 area 5.121 Ha	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No approved proposal for the year 21018-19	Lessee himself under the guidance of Qualified Person Rs 80000.00 (Including sampling and analysis)	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No approved proposal for the year 21018-19	Around 5.121 Ha.	
1e	Balance reserve as on 01/04/20	-	12784 tonnes-111 category	
1f	General remarks of inspecting officers on geology, exploration etc			Limestone formation of max 10m thickness is lying over Dolomite formation.NE-SW is the strike direction and dipping towards SE with dip amount ranging from 16 to 30 degree.

## Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	D-D' and E-E' sections.	Working in D-D' and E-E' sections.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Approved proposal for benches only in mineral as top soil and over burden is not there.	Benches developed only in mineral	
2c	Stripping ratio or ore to OB ratio	Nil	Nil	

2d	Quantity of topsoil generation in m3	No approved proposal for 2018-19	Nil	
2e	Quantity of overburden generation in m3	No approved proposal for 2018-19	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Bench height is not suitable for Manual Mining.

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	6 nos of pits	7 nos of pits	
3b	Quantity of ROM mineral production proposed	10400 tonnes (As per annexure -XII is 19384 tonnes)	13550 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	90%	100%	
3d	Quantity of mineral reject generation	464 m3 in 2018-19	NIL	As per annexure-XII proposed Inter calated waste generation is 862 m3.
3e	Grade of mineral rejects generation and threshold value declared.	Threshhold Value- CaO%>34%, MgO%<5%	Nil	
3f	Quantity of sub grade mineral generation.	No approved Proposal for 2018-19	Nil	
3g	Grade of sub grade mineral generation	No approved proposal	CaO%-40%	
3h	Manual / Mechanised method adopted for segregating from ROM	No approved proposal for 2018-19	Nil	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No approved proposal for 2018-19	NIL	
3j	Provision of drilling and blasting in mineral benches	Provision of Jack hammer drilling and Blasting.	JACK HAMMER drilling is carried out and blasting is being done.	
3k	Provision of mining machineries in mineral benches	Excavator-0.65 m3-1 nos Dumpers-10 tonners-4 nos	Excavator-0.9 m3-1no Excavator-0.65 m3-1no Dumpers-12 tonners-2 nos	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of bench-2.5 m	Suitable for mining by Mechanised Method	
3m	Total area covered under excavation/pits	1.79 Ha	2.657 Ha as on date of inspection as reported by lessee	Required BG submitted.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.12	Nil	
3o	Total area put in use under different heads at the end of year		3.073 Ha as on date of inspection as reported by lessee.	Required BG submitted.
3p	Production of ROM mineral during the last five year period as applicable	2014-15 = Lapse Period 2015-16 = 15930 tonnes 2016-17 = 13500 tonnes 2017-18 = 13500 tonnes 2018-19 = 10440 tonnes (As per Annexure-XII it is 19384 tonnes)	2014-15 = 15789 tonnes 2015-16 = Nil tonnes. 2016-17 = 12260 tonnes 2017-18 = 9695 tonnes 2018-19 = 13550 tonnes	
3q	General remarks of inspecting officers on method of mining etc.			Sub Grade Ore has been stacked within the lease.

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	One dump for waste.	No waste generation. One dump for sub grade.	
4b	Location of topsoil, OB and mineral reject dumps	Within the lease	Sub grade Limestone stacking has been done within the Lease	
4c	Number of dumps within lease area and outside of lease area	one	one	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Out side the UPL	Out side the UPL	
4e	Number of active and alive dumps.	One waste dump	One sub grade dump	
4f	Number of dead dumps.	No approved proposal for 2018-19	Nil	
4g	Number of dumps established.	No approved proposal for 2018-19	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	No approved proposal for 2018-19	No waste dump esxists.	
4i	Length of Retaining wall or garland drain all along dumps	No approved proposal for 2018-19	NA	
4j	Number of settling ponds	No approved proposal for 2018-19	Nil	
4k	Specific comments of inspecting officer on waste dump management			No waste dum[p exists within the mining lease.

#### 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 approved proposal for 2018-19	Mineral yet to be fully extracted.	

5b	Area under backfilling of mined out area	No approved proposal for 2018-19	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No approved proposal for 2018-19	Nil	
5d	Total area fully reclaimed and rehabilitated	No approved proposal for 2018-19	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No part of the mining lease area is matured for back filling.

## 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	Submitted	
6b	Area available for rehabilitation (ha) .	No approved proposal for 2018-19.	Nil	
6c	afforestation done (ha).	-do-	-do-	
6d	No. of saplings planted during the year	-do-	-do-	
6e	Cumulative no .of plants	-do-	-do-	
6f	Any other method of rehabilitation	-do-	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	-do-		No part of the mining lease area is matured for back filling.

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	-do-	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	-do-	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	-do-	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	-do-	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	-do-	Nil
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	-do-	Nil
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	-do-	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	-do-	Nil



6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Lessee has produced more than the approved EC quantity and the Same has been communicated to SEIAA-Andhra Pradesh.
----	---	--

---

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No grade wise sorting was proposed in 2018-19. Whater ever ROM will be produced will be despatched.	Entire ROM of 13550 tonnes has been despatched.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No approved proposal for 2018-19	Nil	
7c	Different grade of mineral sorted out at mines.	-do-	Nil	
7d	Any beneficiation process at mines .	-do-	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Benefication is not warranted.

---

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No approved proposal for 2018-19	Nil	
8b	Concurrent use or storage of topsoil	-do-	Nil	

---

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	-do-	Separate stack for Sub Grade exists	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	-do-	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	-do-	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	60 nos of saplings to be planted in 0.085 Ha	Planted as per proposal. Survival rate is very poor as reported by lessee	
8h	Water sprinkling on roads to control airborne dust	Proposed	Being carried out	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Green belt all along the 7.5 m safety zone needs to be developed.

---

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	To be submitted	Submitting	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	To be appointed	Not appointed. Advised to appoint Mining Engineer and Geologist.	

---

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	To be submitted	Submitted
9d	Scrutiny of Annual return on afforestation	To be submitted	Submitted
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	To be submitted	Submitted
9f	Scrutiny of Annual return on ROM stock and/or graded ore	To be submitted	Submitted
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	To be submitted.	Submitted. Ex Mine Price-Rs 190.00/Tonne Sale Value-Rs 190.00/Tonne
9h	Scrutiny of Annual return on fixed assets	To be submitted	Submitted
9k	Scrutiny of Annual return on mining machineries	To be submitted	Submitted

---

**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