

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

**Review and updation of Mining Plan REPORT**

**Hyderabad regional office**

**Mine file No :** AP/KNL/L.ST-208/HYD

**Mine code :** 38APR11190

- (i) Name of the Inspecting : **M029** ) **MADHU SUDHAN YADAV M**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Sri. Pratap Reddy, QP & Sri.B.Lakshmana, Mining Engi  
Official with  
Designation
- (iv) Date of Inspection : 09-APR-21
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **VENKATAPURAM(4.990 HA)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address  
State : ANDHRA PRADESH  
District : KURNOOL  
Village : VENKATAPURAM  
Taluka : BANAGANAPALLI  
Post office : BANAGANAPALLI  
Pin Code : 518 12  
FAX No. : -  
E-mail : ssnreddy1971@hotmail.com  
Phone : 9866194076,9704468777
- (f) Police Station : BANAGANAPALLI
- (g) First opening date : 21-MAR-17
- (h) Weekly day of rest : SUN
2. Address for : W/O S.VENKATARAMIREDDY  
correspondance H.NO.6/4,PALKUR(V0BANAGANAPALLI(M)  
KURNOOL DIST ,ANDHRA PRADESH
3. (a) Lease Number :
- (b) Lease area :
- (c) Period of lease :
- (d) Date of Expiry :
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : Smt S.KALAVATHAMMA  
W/O.Sri VenkataRami Reddy  
H.NO.4/6,PALKUR (V  
BANAGANAPALLIU(M)KURNOOLDT  
KURNOOL ANDHRA PRADESH  
Phone:9866194076  
FAX :-

Owner : Smt S.kALAVATHAMMA  
W/O.S.VENKATARAMIREDDY  
H.NO..6/4,PALKUR(V)  
BANAGANAPALLI(M)KURNOOLDT  
A.P, KURNOOL ANDHRA PRADESH  
Phone: 9866194076  
FAX : -

6. Date of approval of Mining : Fresh under rule 22 MCR1960  
Plan/Scheme of Mining

13-JAN-15

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	---
1b	Exploration over lease area for geological axis 1 or 2	No approved proposal for 2019-20	Nil	---
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No approved proposal for 2019-20	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No approved proposal for 2019-20	Nil	
1e	Balance reserve as on 01/04/20	-----	Proved Mineral Reserves as on 01-04-2021 - 377091 Te	
1f	General remarks of inspecting officers on geology, exploration etc			Entire area is explored under G1 level of exploration. To prove the ore body thickness, boreholes are proposed in the Review of Mining Plan.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	In the cross section area AA', BB' & CC'.	Workdone within the proposed area.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Only mineral benches proposed.	Benches developed only in mineral	
2c	Stripping ratio or ore to OB ratio	1:0.14	Nil	

2d	Quantity of topsoil generation in m3	2019-20 - 2600 Nil Te	
2e	Quantity of overburden generation in m3	2019-20 - 1348 No OB generated Te (IW)	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		A single mining pit has been developed with a depth of 6m. Proposal made in the Review of Mining Plan to develop bench height should be compatible to the machinery used.

---

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	2019-20 - 26950 Te 2020-21 - 52800 Te	2019-20 - 27500 Te 2020-21 - 40000 Te	Letter sent to MoEF for carrying out excess production by the lesee than the approved EC quantity of 30382 Te in the year 2020-21.
3c	Recovery of sailable/usable mineral from ROM production	95%	100%	
3d	Quantity of mineral reject generation	No approved proposal for 2019-20	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	No approved proposal for 2019-20	NA	

---

3f	Quantity of sub grade mineral generation.	No approved proposal for 2019-20	Nil	
3g	Grade of sub grade mineral generation	No approved proposal for 2019-20	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	No approved proposal for 2019-20	Mineral segregation is not being practiced and entire ROM is saleable.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No approved proposal for 2019-20	Nil	
3j	Provision of drilling and blasting in mineral benches	No approved proposal for 2019-20 as the Limestone is soft in nature and can be easily mined by deploying Excavator.	No provision for drilling and blasting	
3k	Provision of mining machineries in mineral benches	Tippers-10 tonners-4 nos, Excavator-1.3 m3-1 no	Tippers-10 tonners-4 nos, Excavator-1.3 m3-1 no	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	5 m bench height	Bench height of 6m is maintained in some areas of the mining pit.	It is proposed in the Review of Mining Plan to maintain bench height not less than the digging height of the excavator.
3m	Total area covered under excavation/pits	1.46 Ha	1.46 Ha.	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.14	Nil	

3o	Total area put in use under different heads at the end of year	Open pit - 1.46 Ha Infrastructue - 0.15 Ha	Open pit - 1.46 Ha Infrastructue - 0.15 Ha	
3p	Production of ROM mineral during the last five year period as applicable	2016-17 - Nil, 2017-18 - Nil, 2018-19 - 26070 Te 2019-20 - 26950 Te 2020-21 - 52800 Te	2016-17 - Nil, 2017-18 - Nil, 2018-19 - 21000 Te 2019-20 - 27500 Te 2020-21 - 40000 Te	Mining lease has been executed on 21.03.2017 and the mine was opened on 25.01.2018
3q	General remarks of inspecting officers on method of mining etc.			Mechanised method of mining has been proposed to work by obtaining HEMM permission.

#### 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	
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	No proposal	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	
4e	Number of active and alive dumps.	Nil	Nil	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Nil	Nil	

4h	Whether Retaining wall or garland drain all along dumps are there.	No approved proposal for 2019-20	Nil	
4i	Length of Retaining wall or garland drain all along dumps	Not applicable	Nil	
4j	Number of settling ponds	No approved proposal for 2019-20	Nil	
4k	Specific comments of inspecting officer on waste dump management			No waste is generated in the mining area. Hence no waste dump is developed.

#### 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	Nil	
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			The pit is not mined out upto its ultimate pit limit 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 by 1st day of July every year	Submitted	
6b	Area available for rehabilitation (ha) .	No approved proposal for 2019-20	Nil	
6c	afforestation done (ha).	2019-20 - 0.02 Ha	2019-20 - 0.02 Ha	
6d	No. of saplings planted during the year	2019-20 - 200 Nos.	2019-20 - 200 Nos.	
6e	Cumulative no .of plants	----	625 Nos. upto 2020-21	
6f	Any other method of rehabilitation	No proposal	Nil	
6g	Cost incurred on watch and care during the year	No proposal	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly environmental monitoring of core and buffer zone.	Quarterly environmental monitoring carried out during 2019-20 and all the parameters are within the permissible limit.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			No area of pit has reached its ultimate pit limit to start Reclamation and Rehabilitation and backfilling activities.

## Mineral Conservation:



Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No approved grade wise sorting proposal for 2019-20	Entire ROM is suitable for sale.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No approved proposal for 2019-20	No grade wise sorting has been done	
7c	Different grade of mineral sorted out at mines.	Not applicable	Nil	
7d	Any beneficiation process at mines .	No approved proposal for 2019-20 as ROM quality is directly salable.	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Limestone ROM grade varies between CaO%- 45.64% to 53.75%.Beneficiati on is not warranted.

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	Top soil is dozed and utilised for plantation in the safety zone.	
8b	Concurrent use or storage of topsoil	Top soil generated to be used in 7.5 m safety zone and to be used for plantation.	Top soil is dozed and utilised for plantation in the safety zone.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	Nil	

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No approved proposal for 2019-20	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No approved proposal for 2019-20	It was approved to plant 200 nos sapplings in 0.02 Ha area for each year during the first three years i.e upto 2020-21, plantation has been carried out.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Planting 200 nos of sapplings in 0.02 Ha area each year during the first three years i.e upto 2020-21.	Plantation has been carried out as per proposal.	
8g	Survival rate	No proposal	70%	
8h	Water sprinkling on roads to control airborne dust	Water Tankers for dust suppression.	Water tanker is provided for dust suppression.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Plantation is done in the 7.5m safety zone. Some thorn bushes found around the lease area.

---

#### Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Annual Return and Monthly Return to be submitted in time.	Submitted	

---

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer - Sri. K.Vishwanath Reddy Geologist - Nil	Mining Engineer - Sri. B.Lakshmanna Geologist - Sri. G.Nagarjuna	Advised to correct the status of Mining Engineer and Geologist in the Annual returns, since it is referred back by the MMS division.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Open pit - 1.46 Ha Infrastructure - 0.15 Ha	Same as submitted	
9d	Scrutiny of Annual return on afforestation	2019-20 - 150 Nos.	2019-20 - 200 Nos. as per th records maintained	Advised to correct the quantity in the Annual returns, since it is referred back by the MMS division.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	As per monthly returns submitted for the month of Mar-20 the closing stock was 4000 Te, which should be closing stock for 2019-20 but closing stock reported as 6000 Te.	Advised to correct the closing stock since annual returns is referred back by MMS division.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost per tonne - Rs.144.81/-	Cost per tonne calculation is not matching with other chapter in the annual returns. Advised to correct, since annual returns is referred back by the MMS division.	
9h	Scrutiny of Annual return on fixed assets	Nil	Advised to enter the fixed assets value, since annual returns is referred back by the MMS division.	

9k	Scrutiny of Annual return on mining machineries	Nil	Advised to enter the machinery details, since annual returns is referred back by the MMS division.
----	--	-----	--

---

**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 :**

(MADHU SUDHAN YADAV M)

Indian Bureau of Mines