

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

**Review and updation of Mining Plan REPORT**

**Hyderabad regional office**

**Mine file No :** AP/KNL/LST-21/HYD

**Mine code :** 38APR11187

- (i) Name of the Inspecting : **M029** ) **MADHU SUDHAN YADAV M**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Sri.Bhupendar Khorpia, Manager, Sri. S.Srinivasan, QP  
Official with  
Designation
- (iv) Date of Inspection : 30/09/2020
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **PETNIKOTA(29.70 HA)**
- (b) **Registration NO.** : **IBM/441/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : ANDHRA PRADESH
- District : KURNOOL
- Village : PETNIKOTA
- Taluka : KOLIMIGUNDLA MANDAL
- Post office : PETNIKOTA
- Pin Code : 518 12
- FAX No. :
- E-mail : utcl-apcw.agentmines@aditya
- Phone : 08558-288847
- (f) Police Station : TADIPATRI
- (g) First opening date : 14/11/2018
- (h) Weekly day of rest : SUN
2. Address for : ULTRATECH CEMENTS  
correspondance : AP CEMENT WORKS  
TADIPATRI-515413
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 : ULTRATECH CEMCI LTD.  
TUMMALAPENTA VILLAGE  
KURNOOL DISTRICT KURNOOL  
ANDHRA PRADESH  
Phone:  
FAX :

Owner : Sri Kailash Chandra Jhanwar  
B Wing Ahura Centre, 2nd  
floor, Mahakali  
Road, Andheri (East) Mumbai  
KRISHNA ANDHRA PRADESH  
Phone:  
FAX :

Agent : V GANESAN  
BHOGASAMUDRAM VILLAGE  
TADIPATRI MANDAL ANANTPUR  
DISTRICT ANANTAPUR ANDHRA  
PRADESH  
Phone: 08558-288847  
FAX :

6. Date of approval of Mining : Fresh under rule 22 MCR1960 27/11/2007  
Plan/Scheme of Mining

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2019-20 - No proposal 06 Nos. boreholes proposed for the plan period from 2016-17 to 2020-21.	10 Nos. boreholes drilled in 2018-19.	Around 25 Ha area has been explored in G1 category.
1b	Exploration over lease area for geological axis 1 or 2	No proposal in 2019-20	Around 25 Ha area has been explored in G1 level.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Rs 7,86,250 of cost for drilling reported by the lessee.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal in 2019-20	Around 4 Ha to be explored in G1 level.	
1e	Balance reserve as on 01/04/20	----	8.77 million Tonnes Reserves under 111 category as on 01/04/2020.	
1f	General remarks of inspecting officers on geology, exploration etc			Further exploration (01-borehole) to be drilled to bring the entire area under G1 level of exploration.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	E 840-990 E 350-540	Work done within the proposed co-ordinates.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed to remove the top soil seperately.	One bench of around 2m height has been developed in top soil.	

2c	Stripping ratio or ore to OB ratio	1:0.25	Nil	There will be no generation of OB as mineral is found to occur just below the top soil horizon of around 2m thick.
2d	Quantity of topsoil generation in m3	3375 Te/ 1875 cu.m	19194 Te / 10628 cu.m	Top soil generated to expose the limestone.
2e	Quantity of overburden generation in m3	49500 Te	Nil	There will be no generation of OB as mineral is found to occur just below the top soil horizon of 1m thick.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			No OB is generated in the proposed mining area and the limestone is found just below the top soil horizon of around 2m thickness.

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### 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 - 198000 Te	32000 Te	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	No proposal	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	Nil	
3f	Quantity of sub grade mineral generation.	No proposal	Nil	

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3g	Grade of sub grade mineral generation	Not applicable	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	Nil
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	Mechanised	Drilling and blasting carried out in the mineral bench.
3k	Provision of mining machineries in mineral benches	Hydraulic Excavator - 2 Tipper (10 tonnes) - 4 Rock breaker - 1 DTH Drill - 1 Dozer - 1 Water tanker - 2	Shovel (hydraulic) - 1 Dumper - 3
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No proposal	Digging height of the excavator is compatible for proposed bench height of 6m.
3m	Total area covered under excavation/pits	3.12 Ha	0.50 Ha
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	Openpit - 3.12 Ha Infrastructure - 0.18 Ha Greenbelt - 2.01 Ha	Openpit - 0.5 Ha Greenbelt - 0.5 Ha

3p	Production of ROM mineral during the last five year period as applicable	2016-17 - 189000 Te 2017-18 - 192000 Te 2018-19 - 195000 Te 2019-20 - 198000 Te 2020-21 - 201000 Te	2016-17 - Nil 2017-18 - Nil 2018-19 - 10000 Te 2019-20 - 32000 Te 2020-21 - Nil (Till Sept-20)	Lessee has reported that production for 2020-21 (till Sept'20) was not carried out due covid'19 pandemic situation and less market demand. The proposed production will be done from the month of Nov'20.
3q	General remarks of inspecting officers on method of mining etc.			Mining pit development is in initial stage. Mechanised method of mining has been adopted.

## 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 for OB, Top soil & mineral reject for 2019-20.	No OB, top soil and mineral rejects dump exists.	Top soil generated has been collected & spread in 7.5m safety zone for Green Belt Development.
4b	Location of topsoil, OB and mineral reject dumps	No proposal for OB, Top soil & mineral reject for 2019-20.	OB, top soil and mineral rejects dump do not exist.	
4c	Number of dumps within lease area and outside of lease area	Nil	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	Nil	
4e	Number of active and alive dumps.	No proposal	Nil	
4f	Number of dead dumps.	No proposal	Nil	
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	No proposal	Nil	
4j	Number of settling ponds	No proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management			Top soil generated has been collected & spread in 7.5m safety zone for Green Belt Development.

#### 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 for 2019-20	Nil	
5b	Area under backfilling of mined out area	No proposal for 2019-20	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal for 2019-20	Nil	
5d	Total area fully reclaimed and rehabilitated	No proposal for 2019-20	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	Submitted as per rule.	

6b	Area available for rehabilitation (ha) .	No proposal for 2019-20	Nil
6c	afforestation done (ha).	No proposal for 2019-20	0.5 Ha
6d	No. of saplings planted during the year	500 Nos.	530 Nos.
6e	Cumulative no .of plants	2000Nos.	Till 2019-20- 630 Nos. Till 2020-21 (Sept'20) - 2210 Nos.
6f	Any other method of rehabilitation	No proposal for 2019-20	Nil
6g	Cost incurred on watch and care during the year	No proposal for 2019-20	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal for 2019-20	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal for 2019-20	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on on backfilled area	No proposal for 2019-20	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal for 2019-20	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal for 2019-20	Nil



6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal for 2019-20	Nil	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal for 2019-20	Nil	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal for 2019-20	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.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Environment monitoring has been carried out during 2019-20 and all the parameters are within the permitted limits.

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Entire ROM to be utilized directly for captive purpose, hence no grade wise sorting is proposed within the ML.	32000 Te	
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	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No sub grade has been generated. Beneficiation is not required as the entire ROM mineral is utilised for captive plant.

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	3375 Te	19130 Te	
8b	Concurrent use or storage of topsoil	Topsoil is propoed to use for greenblet development.	Used in the 7.5m safety zone for greenbelt development.	
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 proposal	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	

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8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No proposal	Nil	
8g	Survival rate	No proposal	90%	
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.

#### Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Annual returns and monthly returns to be submitted as per rule.	Annual and monthly returns submitted in time.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer -1 Geologist -1 Manager - 1	Mining Engineer - Sri. Ajikya Bhake Manager - Sri. Kubendra Kumar Geologist - Not appointed	Violation letter issued for non appointment of statutory Geologist under MCDR 2017.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under opencast workings - 0.5Ha.,	Same as submitted.	
9d	Scrutiny of Annual return on afforestation	530 Nos.	Broadly as submission and same quantity is verified in afforestation register maintained.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	No mineral reject generated in the mine.	

9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs.170.19/-	Rs.170.19/-
9h	Scrutiny of Annual return on fixed assets	Rs.978524226/-	-----
9k	Scrutiny of Annual return on mining machineries	Shovel (hydraulic) - 1 No. Dumper - 3 Nos.	Shovel (6.5 cu.m) - 1 No. Dumper (55 tonnes) - 3 nos.

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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
MCDR17 Rule 55(1) (3)	05/11/2020				
MCDR17 Rule 45(7) (a)	05/11/2020				

**Date :**

**(MADHU SUDHAN YADAV M)**

Indian Bureau of Mines