

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

**MCDR inspection REPORT**

**Hyderabad regional office**

**Mine file No :** AP/KNL/LST-122/HYD

**Mine code :** 38APR11036

- (i) Name of the Inspecting : **M015** ) **MANISH K. MAINDIRATTA**  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine :  
Official with  
Designation
- (iv) Date of Inspection : 30/10/2017
- (v) Prev.inspection date : 10/11/2011

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **TUMMALAPENTA**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :  
State : ANDHRA PRADESH  
District : KURNOOL  
Village : TUMMALAPENTA  
Taluka : KOLIMIGUNDLA  
Post office : TUMMALAPENTA  
Pin Code :  
FAX No. : 08558-74480/78703  
E-mail : NIL  
Phone : 08558-78712-78701
- (f) Police Station : TADIPATRI
- (g) First opening date : 02/07/1997
- (h) Weekly day of rest : SUN
2. Address for : M/S ULTRATECH CEMCO LTD.  
correspondance : TUMMALAPENTA VILLAGE  
KURNOOL DISTRICT.
3. (a) Lease Number : APR1276
- (b) Lease area : 844.99
- (c) Period of lease : 20
- (d) Date of Expiry : 27/11/2015
4. Mineral worked : SHALE Associated  
LIMESTONE Main

## 5. Name and Address of the

Lessee : ULTRATECH CEMCI LTD.  
TUMMALAPENTA VILLAGE  
KURNOOL DISTRICT KURNOOL  
ANDHRA PRADESH  
Phone:  
FAX :

Owner : V.T.MOORTHY  
ULTRA TECH CEMENT LTD.  
BHOASAMUDRAM POST  
TADIPATRI (M), ANATAPUR.  
KURNOOL ANDHRA PRADESH  
Phone: 08558- 288847 /  
FAX : 08558-288821 /

Agent : A.K.PILLAI  
ULTRA TECH CEMENT LTD, APCW  
PO, BHOASAMUDRAM,  
MANDAL:TADIPATRI, ANANTAPURA  
M. KURNOOL ANDHRA PRADESH  
Phone: 08558- 288847/ 288850  
FAX : 08558-28821/288

## Mining Engineer

Name : S.R.BOSE, Full Time  
Qualification : B.E. MINING.  
Appointment/ : 15/12/2007  
Termination date

## Geologist

Name : A.NAGA RAJESH, Full Time  
Qualification : M.SC (GEO)  
Appointment/ : 28/05/2008  
Termination date

## Manager

Name : T.V.SRINIVASAN  
Qualification : M.SC. GEOLOGY, 1ST CLASS MMC  
Appointment/ : 10/01/2004  
Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	26/10/1994
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	04/02/2000
		Modif.of approved Mining Plan	18/10/2001
		Mining Scheme rule 12 MCDR1988	21/06/2004
		Modif.approved Mining Scheme	18/08/2006
		Mining Scheme rule 12 MCDR1988	18/08/2009
		Mining Scheme rule 12 MCDR1988	02/12/2014
		MP modif under 17(3) MCR 2016	11/11/2016

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	No proposal
1b	Exploration over lease area for geological axis 1 or 2	Nil	9 holes drilled at 200*200 meters interval	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Own	
1d	Balance area to be explored to bring Geological axis in 1 or 2	159.64 ha	129.539 ha	
1e	Balance reserve as on 01/04/20	-	312.047 million tonnes	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	2016-17 N1015-N1960 E1700-E2200 N1100-N1960 E400-E1565	As per proposal	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	proposed	top soil is being worked separately.	
2c	Stripping ratio or ore to OB ratio	1:0.011	1:0.16	
2d	Quantity of topsoil generation in m3	75360 cu m (150720 T)	84742 m3	
2e	Quantity of overburden generation in m3	Nil	Nil	

## Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
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3a	Number of pit proposed for production	2 Pits	2 Pits
3b	Quantity of ROM mineral production proposed	650000 tones	5232010 tones
3c	Recovery of sailable/usable mineral from ROM production	100%	100%
3d	Quantity of mineral reject generation	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	No rejects	No rejects
3f	Quantity of sub grade mineral generation.	Nil	Nil
3g	Grade of sub grade mineral generation	Nil	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Nil	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil
3j	Provision of drilling and blasting in mineral benches	drilling blasting proposed	drilling blasting undertaken as per proposal .
3k	Provision of mining machineries in mineral benches		excavator- dumper combination, 150 mm drill machine, dozer
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	OB- 1 to 2 mtr LST - 09 mtr	machine suits the bench height in OB and mineral bench.

3m	Total area covered under excavation/pits		232.87 hectare
3n	Ore to OB ratio for the pit/mine during the year.	1:0.011	1:0.016
3o	Total area put in use under different heads at the end of year		pit About 260 hectare dump 35.84 hectare
3p	Production of ROM mineral during the last five year period as applicable	2012-13 - 9200000 T 2013-14 - 9100000 T 2014-15 - 9200602 T 2015-16 - 6140598 T 2016-17 - 6500000 T	2012-13 - 5605000 T 2013-14 - 5490000 T 2014-15 - 6120000 T 2015-16 - 5005000 T 2016-17 - 5231010 T

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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)	Yes	top soil being dumped separately.	
4b	Location of topsoil, OB and mineral reject dumps	Nil	As per proposal.	
4c	Number of dumps within lease area and outside of lease area	03	03	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	
4e	Number of active and alive dumps.	02	02	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	01	01 stabilized	
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposed	Achieved	

4i	Length of Retaining wall or garland drain all along dumps	RW length @ 920 mtrs	RS length @ 920 mtrs
4j	Number of settling ponds	Nil	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.	Nil	Nil	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	

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).	Yes	Yes	
6b	Area available for rehabilitation (ha) .	Nil	NA	
6c	afforestation done (ha).	Nil	not applicable as area is not mature for rehabilitation	
6d	No. of saplings planted during the year		not applicable as area is not mature for rehabilitation	

6e	Cumulative no .of plants		not applicable as area is not mature for rehabilitation
6f	Any other method of rehabilitation	Nil	Nil
6g	Cost incurred on watch and care during the year	Nil	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D		not applicable as area is not mature for rehabilitation by backfilling
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings		Not applicable
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area		not applicable as area is not mature for rafforestation on backfilled area
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir		not applicable as area is not mature for the purpose
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	---	---
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	5000 saplings over 2.0 hectare area	5551 saplings over 2.5 hectare area

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	5000 saplings over 2.0 hectare area	5551 saplings over 2.5 hectare area
6p	Compliance of environmental monitoring (core zone and buffer zone)		complied

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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 sorting	Dispatching ROM without sorting	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	NA	
7c	Different grade of mineral sorted out at mines.	NIL	NIL	
7d	Any beneficiation process at mines	Nil	Nil	

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	75360 cu m	84742 cu m	
8b	Concurrent use or storage of topsoil	proposed to be used for plantation	partly used for plantation and partly stacked separately.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	Nil	

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8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposal	920 m Achieved
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		5551 saplings with 85% survival
8g	Survival rate	95%	80%
8h	Water sprinkling on roads to control airborne dust	-	Separate water tanker is provided.

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#### Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	a) Annual returns submitted for the year. b) Monthly submitting the form F8 in online.	AR Submitted for 2016-17 MR Submitted up to September 2017.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	a) Manager - 1 b) Mining Engineer - 1 c) Geologist - 1	As reported	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	343.239 ha area shown to be degraded		

9d	Scrutiny of Annual return on afforestation	5551 saplings reported	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	5231010 T in 2016-17	no deviation noted
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	157.63 Rs PMT reported	
9h	Scrutiny of Annual return on fixed assets		-----
9k	Scrutiny of Annual return on mining machineries		data furnished in the returns

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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 :**

(MANISH K. MAINDIRATTA)

Indian Bureau of Mines