

**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 : S11 ) SHAILENDRA KUMAR  
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Sri K N S Reddy, Agent  
Official with  
Designation
- (iv) Date of Inspection : 21/12/2022
- (v) Prev.inspection date : 30/03/2022

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : TUMMALAPENTA
- (b) **Registration NO.** : IBM/441/2011
- (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. :
- E-mail : kns.reddy@adityabirla.com
- Phone : 08558-288821, 9922007207
- (f) **Police Station** : TADIPATRI
- (g) **First opening date** : 02/07/1997
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : M/S ULTRATECH CEMCO LTD.  
TUMMALAPENTA VILLAGE  
KURNOOL DISTRICT.
3. (a) **Lease Number** : APR1276
- (b) **Lease area** : 844.94
- (c) **Period of lease** : 50
- (d) **Date of Expiry** : 27/11/2045
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 : K.C.Jhanwar  
AHURA CENTRE,A WING,1ST  
FLOOR, MAHAKALI CAVES  
ROAD,ANDHERI (E) MUMBAI  
MUMBAI (SUBURBAN)  
MAHARASHTRA  
Phone: 08558-288847/50  
FAX : 08558-288821/59

Agent : K.N.Sidda Reddy  
M/s Ultra Tech Cement Ltd.  
Bhogasamudram(V&Po)  
Tadipatri (M), Anantapur  
District ANANTAPUR ANDHRA  
PRADESH  
Phone: 7039023088  
FAX :

## Mining Engineer

Name : Shri. Ashoka HN,Full Time  
Qualification : B Tech(Mining)  
Appointment/ : 23/09/2015  
Termination date

## Geologist

Name : Shri Navaneet Agarwal,Full Time  
Qualification :  
Appointment/ : 06/03/2019  
Termination date

## Manager

Name : Shri Anil Kawale  
Qualification :  
Appointment/ : 20/09/2021  
Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Fresh under rule 22 MCR1960	26/10/1994
		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
		MP review under 17(1) MCR 2016	31/03/2020
		MP review under 17(1) MCR 2016	22/07/2020

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	20 no.s during 2021-22	20 no.s drilled during 2021-22.	No deviation.
1b	Exploration over lease area for geological axis 1 or 2	---	The entire area is under G-1 level of exploration.	No remarks
1c	Exploration Agencies and Expenditure in lakh rupees during the year	---	Rs,21,50,000/- was incurred.	No remarks.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Nil
1e	Balance reserve as on 01/04/20	---	220.47 Million tonnes	No remarks
1f	General remarks of inspecting officers on geology, exploration etc	Nil	Nil	The proposed exploration programme was implemented for the year 2021-22.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	E 180700-181250 to N1664500-1664500.	Same was noticed during the inspection.	No deviation.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Topsoil-1 bench Ore - 4 benches	same was noticed during the inspection.	No deviation.
2c	Stripping ratio or ore to OB ratio	Nil	Nil	Nil
2d	Quantity of topsoil generation in m3	1,02,545 cubic meters	1,10,931 cubic meters.	No deviation.
2e	Quantity of overburden generation in m3	Nil	Nil	Nil

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	---	---	The development of the mine being carried out as proposed.
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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two	Two	No deviation
3b	Quantity of ROM mineral production proposed	2021-22 - 7.5 million tonnes	2021-22 - 7.14 Million tonnes	No deviation
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	No remarks
3d	Quantity of mineral reject generation	Nil	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	Nil
3f	Quantity of sub grade mineral generation.	Nil	Nil	Nil
3g	Grade of sub grade mineral generation	Nil	Nil	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Nil	Nil	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	Nil
3j	Provision of drilling and blasting in mineral benches	Proposed to carry out drillig and blasting in mineral benches	Drilling by Blast hole drilling by 150 mm.Blastin carried out by using NONEL/Delay detotnators.	No remarks

3k	Provision of mining machineries in mineral benches	It is proposed to transport and excavate the mineral by using the HEMM>	Excavating and Transporting the Mineral being carried out by using HEMM.	No deviation.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	9 meters	9 meters	No remarks
3m	Total area covered under excavation/pits	263.25 ha	263.25 ha	No remarks
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil	Nil
3o	Total area put in use under different heads at the end of year	----	Pit - 263.25 ha Infrastructure - 4.064 ha Waste dump - 49.79 ha	No remarks to make.
3p	Production of ROM mineral during the last five year period as applicable	2017-18 - 6.5 million tonnes 2018-19 - 7.0 million tonnes 2019-20 - 8.9 million tonnes 2020-21 - 7.5 million tonnes 2021-22 - 7.5 million tonnes	2017-18 - 5.4 million tonnes 2018-19 - 6.4 million tonnes 2019-20 - 6.3 million tonnes 2020-21 - 5.4 million tonnes 2021-22 - 7.1 million tonnes	No deviation.
3q	General remarks of inspecting officers on method of mining etc.	---	---	All the proposals made for exploiting the mineral are implemented. Except the updation of surface map with curetn year proposals. accordingly a violation letter issued for rule 31(4) of MCDR, 2017.

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Solid Waste Management - Dumping:

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Sl.No.	Item	Propasals	Actual work	Remarks
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4b	Location of topsoil, OB and mineral reject dumps	E-180541-180394 and N1663505-N1665936.	Same was noticed during the inspection.	No deviation.
4c	Number of dumps within lease area and outside of lease area	Nil	Nil	Nil
4e	Number of active and alive dumps.	Nil	Nil	Nil
4f	Number of dead dumps.	One	One	No deviation.
4g	Number of dumps established.	One	One	None
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	yes	None
4i	Length of Retaining wall or garland drain all along dumps	---	150 meters.	Nil
4j	Number of settling ponds	Nil	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	---	---	All the proposals made for waste handling are being implemented.

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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	Nil
5b	Area under backfilling of mined out area	Nil	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	Nil

5d	Total area fully reclaimed and rehabilitated	Nil	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Nil	Nil	As no area was matured for reclamation, no reclamation was carried out.

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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 PMCP report submitted in times	No remarks
6b	Area available for rehabilitation (ha) .	Nil	Nil	Nil
6c	afforestation done (ha).	2.5 ha	2.5 ha	No deviation
6d	No. of saplings planted during the year	10000 no.s	12380 no.s	No remarks
6e	Cumulative no .of plants	---	1,20,000 no.s	No remarks
6f	Any other method of rehabilitation	Nil	Nil	Nil
6g	Cost incurred on watch and care during the year	---	2,50,000/-	No remarks
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Nil	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	Nil

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Nil	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Nil	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Nil	Nil	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Nil	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Nil	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	It was proposed to carry out quarterly monitoring of the environmental parameters in both buffer and core areas.	same was implemented and the all the relevant parameters are within permissible limits.	No remarks
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	---	--	All the PMCP measures as proposed are being implemented.



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 Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Nil	Nil	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Nil	Nil	Nil
7c	Different grade of mineral sorted out at mines.	Nil	Nil	Nil
7d	Any beneficiation process at mines	Nil	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	--	--	The entire ROM being utilised in the cement plant of the lessee company.

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 Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	2021-22 - 1,02,545 cubic meters 2022-23 - 88317 cubic meters	2021-22 - 1,01,931 cubic meters 2022-23 - 51,719 cubic meters up to November 2022.	No remarks to make.
8b	Concurrent use or storage of topsoil	Proposed for development of greenbelt	Same was observed during the inspection.	No deviation.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal for waste generation.	No waste generated during the year 2021-22.	No deviation.

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8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Overburden generation proposed during the year 2021-22 & 2022-23.	No OB/Mineral reject generated during the said years.	No deviation.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	----	Except for the afforestation made by the lessee, no other vegetation was noticed.	No deviation.
8g	Survival rate	90%	Same was noticed during the inspection.	No remarks to make.
8h	Water sprinkling on roads to control airborne dust	It was proposed to carry out dust suppression by water sprinkling.	Same was noticed during the inspection.	No remarks to make.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	---	---	All the environmental protection measures as proposed are being implemented.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	----	The Monthly and Annual return are being submitted by the lessee in time.	No remarks to make.

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per the Annual return, Sri H.N.Ashoka and Sri Navneet Agarwal are appointed as Mining Engineer and Geologist.	The same was verified during the inspection.	No remarks to make.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	area under Mining - 263.250 ha area under waste disposal - 49.790 ha Infrastructure - 4.064 ha	The same was verified during the inspection.	No remarks to make.
9d	Scrutiny of Annual return on afforestation	12380 no.s	Same was verified during the inspection.	No remarks to make.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	7.1 million tonnes	same was verified during the inspection.	No remarks to make.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs.176.25/- per tonne	Same was verified during the inspection.	No remarks to make.
9h	Scrutiny of Annual return on fixed assets	Rs116 crores.	The value was not verified.	No remarks to make.
9k	Scrutiny of Annual return on mining machineries	Shovel-6 no.s Back hoe - 2 no.s Dumper - 19 no.s Dozer - 3 no.s water tanker - 2 no.s blast hole drill - 3 no.s Air compressors - 2 no.s Pumps - 3 no.s	Same was verified during the inspection.	No remarks to make.

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**Details of violations observed during current inspection and compliance position of violation pointed out**

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 34(1)	21/12/2022			

**Date :**

**(SHAIENDRA KUMAR)**

Indian Bureau of Mines