

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

**MCDR inspection REPORT**

**Hyderabad regional office**

**Mine file No :** AP/KNL/LST-140/HYD

**Mine code :** 38APR11043

- (i) Name of the Inspecting : **M001** ) **S K MUDULI**  
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Sri D.R.Benival-Mines Manager, Sri A Jagan Mohan Reddy  
Official with  
Designation
- (iv) Date of Inspection : 14-MAR-20
- (v) Prev.inspection date : 21-JAN-19

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **GURUVANIPALLI, 5634/MA/95**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : ANDHRA PRADESH  
District : KURNOOL  
Village : GURUVANIPALLI  
Taluka : KOLIMIGUNDLA  
Post office : KOLIMIGUNDLA  
Pin Code :  
FAX No. :  
E-mail :  
Phone :
- (f) Police Station :
- (g) First opening date : 30-SEP-95
- (h) Weekly day of rest : SUN
2. Address for : M/S ULTRATECH CEMENT LIMITED  
correspondance AP CEMENT WORKS, BHOGSAMUDRAM POST, TADIPATRI MA  
ANANTPUR DISTRICT A.P
3. (a) Lease Number : APR1275  
(b) Lease area : 395.3  
(c) Period of lease : 20  
(d) Date of Expiry : 01-JAN-17
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : M/S DAKSHIN CEMENTS LTD  
503,V FLOOR ADITYA ARCADE,  
AMEERPET HYDERABAD  
HYDERABAD TELANGANA  
Phone:55430430  
FAX :55430440

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	17-FEB-95
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	21-AUG-09
		Mining Scheme rule 12 MCDR1988	03-DEC-12
		MP modif under 17(3) MCR 2016	19-SEP-16
		MP modif under 17(3) MCR 2016	01-AUG-18

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	During 2018-19 there is proposal of 30 nos of core bore holes for a drilling meterage of 1140 m	12 nos of core Bore Hole for a total drilling meterage of 405 mtrs has been drilled during 2018-19	Violation under rule 11(1) has been issued for not completing the exploratory drilling as proposed in 2018-19. However during 2019-20 another 19 nos of core Bore holes have been drilled against the proposal of 30 nos of core bore holes of 2019-20.
1b	Exploration over lease area for geological axis 1 or 2	G1 - About 64 Ha in G1 level during 2018-19.	About 20 Ha explored in G1 level during 2018-19	Only 9 nos of BHs have been drilled in the approved Proposed BH Locations for the year 2018-19 and balance 3 nos of BHs have been drilled in the approved Proposed BH Locations for the year 2019-20.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No such proposal approved.	Drilling:7,49,250.00 Analysis: 39,500.00 (analysis done APCW own NABL accredited laboratory)	2019-20 Exploratory drilling is being carried out.
1d	Balance area to be explored to bring Geological axis in 1 or 2	340.27 Ha	320.27 Ha	
1e	Balance reserve as on 01/04/20	22.209 Million Tonnes 163.061 Million Tonnes- Remaining resources(221 and 334 category)	22.469 Million Tonnes(111 Category) Reserves as on 01.04.2019 163.061 Million Tonnes- Remaining resources(221 and 334 category)	

1f	General remarks of inspecting officers on geology, exploration etc	Exploratory core drilling is under progress. The Limestone of this ML belong to Narji Formation of Kurnool group.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t. lease area	2018-19 N15260 - N15414 E10838 - E11043	Production has been achieved from Loose Limestone Heap and bund during 2018-19	Developemnt activity at N15260 - N15414, E10838- E11043 being found to be carried during inspection.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Benches in Mineral only	Production has been achieved from Loose Limestone Heap and bund during 2018-19	Benches under Developmental Stage in Mineral only during inspection.
2c	Stripping ratio or ore to OB ratio	Nil as there is no Overburden	Nil	
2d	Quantity of topsoil generation in m3	23999 Tonnes	Nil during 2018-19	
2e	Quantity of overburden generation in m3	Nil during 2018-19	Nil during 2018-19	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Mining operations are being carried out at the eastern portion of ML	Development work was under progress during inspection.

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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	Nil	Pit Development work under progress during inspection

3b	Quantity of ROM mineral production proposed	2018-19 @ 300000 tonnes	2018-19- 39882tones (Loose Limestone Heap Mined)
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 such proposal approved.	Nil
3f	Quantity of sub grade mineral generation.	-do-	Not applicable
3g	Grade of sub grade mineral generation	No such proposal approved	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Proposal in respect of segregation from ROM not approved	Enter Rom is being useable.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal for beneficiation was approved	Beneficiation not warranted as entire ROM is usable.
3j	Provision of drilling and blasting in mineral benches	Burden-4m, Spacing-6m Depth of blast hole-9m 150 mm dia blast hole	Development work is under progres during inspection
3k	Provision of mining machineries in mineral benches	Machinery Name Quantity Hydraulic Excavator-2nos-6.50 m3 Dumpers- 7nos-55 tonners DTH Drill-2nos-6 inch dia Rock breaker-2 nos Dozer-1 no Water tanker-2 nos	Loading & transportation is being carried out by one Excavator(2.100 CUM) and 3 nos 55 tonners dumper combination

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	9 m benches	Under development stage during inspection	
3m	Total area covered under excavation/pits	34.62 Ha	34.62 Ha	
3n	Ore to OB ratio for the pit/mine during the year.	Nil for 2018-19	Nil for 2018-19	
3o	Total area put in use under different heads at the end of year	Excavated Pit @ 34.62 Hectares Roads @ 1.530 Hectares Infra- 0.09 Ha Greenbelt - 7.896 Ha	Excavated Pit @ 34.62 Hectares Roads @ 1.530 Hectares Infra- 0.09 Ha Greenbelt - 9.096 Ha	
3p	Production of ROM mineral during the last five year period as applicable	2014-15-315500 tonnes 2015-16 :315500 tonnes 2016-17: 300000 tonnes 2017-18: 300000 tonnes 2018-19: 300000 tonnes 2019-20:300000	2014-15: 6000 tonnes 2015-16: Nil 2016-17: 1,000 tonnes 2017-18: 30,000 tonnes 2018-19: 39,882 tonnes	
3q	General remarks of inspecting officers on method of mining etc.			Mechanised method of Mining have been adopted. Development work under progress at South Eastern portion of ML area.

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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)	No proposal for dumping of top soil,Mineral reject and OB.	Nil	During inspection Top soil is being spreaded along the ML boundary for Green Belt Development.

4b	Location of topsoil, OB and mineral reject dumps	No proposal for dumping of PB,MR,Top soil	Nil
4c	Number of dumps within lease area and outside of lease area	No proposal for dumping.How ever there are 8 nos of old quarry slab dumps	8 nos of old quarry slab dumps
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.	No proposal for dumping.How ever there are 8 nos of old quarry slab dumps	8 nos old quarry slab dumps
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.	Not proposed	Nil
4i	Length of Retaining wall or garland drain all along dumps	Not proposed	Nil
4j	Number of settling ponds	Not Proposed	Nil

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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.	No backfilling proposed.	Not applicable as no area is mature for the reclamation and rehabilitated	Mining operations are in initial stage.
5b	Area under backfilling of mined out area	Not proposed	Not applicable	

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5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	During inspection Top soil is being spreaded along the ML boundary for Green Belt Development.
5d	Total area fully reclaimed and rehabilitated	No proposal	Not applicable, as no area is matured for the reclamation and rehabilitated.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No part of the ML is matured for backfilling and reclamation.

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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).	To be Submitted	Submitted	
6b	Area available for rehabilitation (ha) .	Nil	Not applicable as no area is matured for reclamation and rehabilitation.	
6c	afforestation done (ha).	Nil	Not applicable as no area is matured for reclamation and rehabilitation.	
6d	No. of saplings planted during the year	No proposal	Not applicable	
6e	Cumulative no .of plants	Quarterly to be monitored Environmental (core zone & buffer zone separately)	Quarterly monitoring Environmental (core zone & buffer zone separately)	
6f	Any other method of rehabilitation	No proposal	Not applicable as no area is matured for reclamation and rehabilitation.	

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6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal	Not applicable as no area is matured for reclamation and rehabilitation.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Not applicable as no area is matured for reclamation and rehabilitation.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No proposal	Not applicable as no area is matured for reclamation and rehabilitation.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Not applicable as no area is matured for reclamation and rehabilitation.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	Not applicable as no area is matured for reclamation and rehabilitation.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	1600nos in 1.00 Ha (2018-19)	3200 nos in 1.36 Ha
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	1600nos in 1.00 Ha (2018-19)	3200 nos in 1.36 Ha
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	Not applicable

6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed	Carried	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			3200 nos of sapplings planted in 1.36 Ha. Environmental Monitoring is being carried out.

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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 grade wise soorting proposed. Entire ROM is consumable.	39882 tonnes	No sub grade will be generated the entire RoM is being used.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal as entire ROM is consumable	Nil	
7c	Different grade of mineral sorted out at mines.	No proposal as entire ROM is consumable	Nil	
7d	Any beneficiation process at mines	No proposal as entire ROM is consumable	Beneficiation not warranted	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No sub grade mineral, the entire RoM is consumable.

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	13333 m3 in 2018-19	Nil	

8b	Concurrent use or storage of topsoil	13333 m3	Top soil not generated as Production has been achieved from Loose Limestone heap and bunds within the lease.
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
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	2018-19 :1600 sapplings to be planted in 1.00 Ha	2018-19:3200 nos sapplings planted in 1.36 Ha
8h	Water sprinkling on roads to control airborne dust	Water Tankers	water tanker provided for water sprinkling on haul road

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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	Monthly return Submitted up to Feb 2020 and Annual Return submitted for 2018-19	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager - Dhoora Ram Beniwal Mining Engineer-Arima Valavan Geologist-A.Jagan Mohan Reddy	Manager, Mining engineer & Geologist as mentioned appointed
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Detail given.	Submitted
9d	Scrutiny of Annual return on afforestation	3200 nos	3200 nos
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Production cost/Tonne -Rs 364.71	Cost has increased due to salary of 20no contract employee and 8 nos company employee (Rs 213.11/Tonne)
9h	Scrutiny of Annual return on fixed assets	Rs.98,22,87,82 4	Rs.98,22,87,824
9k	Scrutiny of Annual return on mining machineries	Shovel (hydraulic)-1 Dumper - 3	Shovel (hydraulic)-1 Dumper - 3

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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

**Date :**

(S K MUDULI)

Indian Bureau of Mines