

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

**MCDR inspection REPORT  
Hyderabad regional office**

**Mine file No :** AP/KSN/LST-17/HYD

**Mine code :** 38APR10028

- (i) Name of the Inspecting : M001 ) S K MUDULI  
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Rami Reddy-Mines Manager, Sri Naresh-Geologist  
Official with  
Designation
- (iv) Date of Inspection : 23-FEB-20
- (v) Prev.inspection date : 21-APR-17

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **SRI VENKATESWARA**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : ANDHRA PRADESH
- District : KRISHNA
- Village : VEDADRI
- Taluka : JAGGAYAPET
- Post office : VEDADRI
- Pin Code : 521457
- FAX No. :
- E-mail :
- Phone :
- (f) Police Station : CHILLAKALLU
- (g) First opening date : 20-FEB-08
- (h) Weekly day of rest : SUN
2. Address for : VILLAGE:VEDADRI, MANDAL:JAGGAIHPET,  
correspondance DIST:KRISHNA.
3. (a) Lease Number : APR2658
- (b) Lease area : 38.44
- (c) Period of lease : 20
- (d) Date of Expiry : 13-DEC-16
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : D.UMA MAHESWARA REDDY  
 CHILAKUR (M), THIMMANAGARAI  
 PALEM (V) NELLORE ANDHRA  
 PRADESH  
 Phone:  
 FAX :

Owner : UMAMAHESWAR RAO  
 VEDADRI VILLAGE JAGGAIAPET  
 MANDAL KRISHNA ANDHRA  
 PRADESH  
 Phone:  
 FAX :

Agent : SRI P.RAMA KRISHNA RAO.  
 M/S HEMADRI CEMENTS LTD,  
 VILL& POST: VEDADRI, DIST:  
 KRISHNA, KRISHNA ANDHRA  
 PRADESH  
 Phone: 08678-284538  
 FAX : 0878- 284859

6. Date of approval of Mining	:	Renewal under rule 24 MCR1960	18-APR-08
Plan/Scheme of Mining		MP modif under MCR 1960	01-MAR-16
		MP review under 17(1) MCR 2016	15-MAY-18

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	03 Bore holes during 2018-19	03 Core Bore holes drilled during 2018-19	
1b	Exploration over lease area for geological axis 1 or 2	To explore the entire mineralised area in G1 and G2 level.	G1-18.3 G2-13.02	G3-7.12
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No approved proposal for 2018-19	Rock Eng Core Drillers .0.99	Sample Analysis Carried in Lessee's own lab.
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	
1e	Balance reserve as on 01/04/20	6.102 Million Tonnes	6.123 Million Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	2018-19 N1858589N18585 21 & E408755- E408825	Development carried as proposed.	----
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	4 Benches phyllite, 4 Benches limestone	4 Benches phyllite, 4 Benches limestone	
2c	Stripping ratio or ore to OB ratio	1:1.0	1 : 1.10	
2d	Quantity of topsoil generation in m3	0.00	0.00	----
2e	Quantity of overburden generation in m3	59729 Cu.m	76860 tonnes (39930 m3)	

2f General remarks of inspecting officers on development of pit w.r.t. type of deposit etc Waste generation is there.

## Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	149888 Tons	128600 Tons	96500 Tonnes is up to 31.01.2020 in 2019-20
3c	Recovery of sailable/usable mineral from ROM production	95%	100%	
3d	Quantity of mineral reject generation	No approved proposal for 2018-19	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	-do-	NA	
3f	Quantity of sub grade mineral generation.	-do-	Nil	
3g	Grade of sub grade mineral generation	-do-	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	No such proposal approved for 2018-19	No seggregation activity is being practiced	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No such approved proposal for 2018-19	Nil	

3j	Provision of drilling and blasting in mineral benches	Burden-3m Spacing-3.5 m Depth of blast hole-7.7m Slurry explosive,ANFO and NONELS Wagon Drill-115 mm	Burden-3m Spacing-3.5 m Depth of blast hole-7.7m Slurry explosive,ANFO and NONELS Wagon Drill-115 mm	
3k	Provision of mining machineries in mineral benches	Excavator-0.9 m3-2 nos Rock Breaker-80 TPH-1 no Dumpers	Excavator-0.9 m3-2 nos Rock Breaker-80 TPH-1 no Dumpers	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	7m height bench	Excavatory can reach easily upto 7 m height bench.	
3m	Total area covered under excavation/pits	Mining pit area of 12.377 by end of 2018-19	12.377 Ha by 2018-19	
3n	Ore to OB ratio for the pit/mine during the year.	1:1.0	1:1.0	
3o	Total area put in use under different heads at the end of year	12.377 Ha-Pit	12.377 Ha-Pit	
3p	Production of ROM mineral during the last five year period as applicable	2014-15 : Lapse Period 2015-16 : Lapse Period 2016-17 : 149850 Tonnes 2017-18 : 150150 Tonnes 2018-19 : 149888 Tonnes	2014-15 : 142300 Tonnes 2015-16 : 142100 Tonnes 2016-17 : 123500 Tonnes 2017-18 : 118900 Tonnes 2018-19 : 128600 Tonnes	
3q	General remarks of inspecting officers on method of mining etc.			Open cast Mechanised Method has been adopted.

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Solid Waste Management - Dumping:

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Sl.No.	Item	Proposals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping of Waste only	Waste Dump yard	
4b	Location of topsoil, OB and mineral reject dumps	SW side of the ML	SW side of ML	
4c	Number of dumps within lease area and outside of lease area	One	One	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside the ML	Outside the ML	
4e	Number of active and alive dumps.	One	One	
4f	Number of dead dumps.	No approved proposal for 2018-19.	Nil	
4g	Number of dumps established.	-do-	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes both	Constructed Retaining wall of dimension - 310 m x 0.2 m x 2m Constructed Garland Drain of dimension- 313.78 m x 1 m x 1m	
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall of dimension- 89m X 60m X 1m Garland drain of dimension- 84m X 57m X 1m	Constructed Retaining wall of dimension - 310 m x 0.2 m x 2m Constructed Garland Drain of dimension- 313.78 m x 1 m x 1m	----
4j	Number of settling ponds	No approved proposal	Constructed	
4k	Specific comments of inspecting officer on waste dump management			Retaining wall and Garland drain constructed all along the dump.

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Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No such approved proposal for 2018-19.	No part of the lease area is completely exhausted and matured to start back filling.
5b	Area under backfilling of mined out area	No approved proposal for 2018-19.	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No approved proposal.	Being used for plantation.
5d	Total area fully reclaimed and rehabilitated	No approved proposal for 2018-19.	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.		No part of the lease area is completely exhausted of mineral, hence not matured for starting back filling.

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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 in time	Submitted on 24.06.2019	
6b	Area available for rehabilitation (ha) .	No such approved proposal for 2018-19	NIL	
6c	afforestation done (ha).	-do-	Nil	
6d	No. of saplings planted during the year	-do-	Nil	
6f	Any other method of rehabilitation	-do-	Nil	
6g	Cost incurred on watch and care during the year	-do-	Nil	

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6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No such approved proposal for 2018-19	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	-do-	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	-do-	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	-do-	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	-do-	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	1500 in 0.178 Ha	1505 in 0.518 Ha at Safety zone from BP-1 to 2 and BP-1 to 19.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No such approved proposal	Nil
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	-do-	Nil



6p	Compliance of environmental monitoring (core zone and buffer zone)	Core and Buffer zone monitoring proposed.	Core and Buffer zone monitoring being carried.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Plantation carried in 7.5m safety zone.

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Entire ROM to be despatched to the plant for captive purpose. No grade wise sorting within the lease area is proposed.	130000 tonnes despatched to captive plant.No grade wise sorting carried within the lease.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No such proposal is approved for 2018-19.	Nil.	
7c	Different grade of mineral sorted out at mines.	-do-	Nil	
7d	Any beneficiation process at mines .	-do-	Nil	Beneficiation not waranted within the mining lease.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			The Limestone quality is suitable for use directly at plant.Hence no beneficiation is required.

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	No such approved proposal for 2018-19.	NIL	
8b	Concurrent use or storage of topsoil	Yes	Being used for Green Belt development.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump for waste.	Waste dump exists at SW part of the ML.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No such approved proposal for 2018-19	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	-do-	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		1505 nos sapling has been planted in 7.5m Safety zone.	
8h	Water sprinkling on roads to control airborne dust	To be carried	Water sprinkling on roads being carried out	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Plantation has been carried in 7.5m safety zone to maintain the aesthetic beauty.

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Compliance of Rule 45:

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Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	MR and AR to be submitted within time	AR and MR submitted in time.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	To be furnished.	Furnished	Mining Engineer and Geologist appointed.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	To be furnished	Furnished	
9d	Scrutiny of Annual return on afforestation	To be furnished	Furnished	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	To be furnished	Furnished	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	To be furnished	Furnished	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	To be furnished.	Cost for Tonne-Rs 250.45	
9h	Scrutiny of Annual return on fixed assets	To be furnished	Furnished	
9k	Scrutiny of Annual return on mining machineries	To be furnished.	Furnished.	

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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 :****(S K MUDULI)**

Indian Bureau of Mines