

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPMENT 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 : **M029** ) **MADHU SUDHAN YADAV M**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Sri.Rami Reddy, Mines Manager, Sri Naresh, Geologist  
Official with  
Designation
- (iv) Date of Inspection : 18-DEC-20
- (v) Prev.inspection date : 23-FEB-20

**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 : UMAMAHEESWAR 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	2019-20- No proposal	Nil	
1b	Exploration over lease area for geological axis 1 or 2	---	Entire mineralised area is explored in G1 level.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	----	Rock Engineering Core drillers, Hyderabad.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserve as on 01/04/20	---	Proved Reserves as on 30/11/2020 - 6.03 million tonnes.	
1f	General remarks of inspecting officers on geology, exploration etc		Entire mineralised area of 38.46 Ha has been explored under G1 level.	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	1st bench - E408776- E408848 & N1858583- N1858802 2nd bench - E408745- E408719 & N1858432- N1858501	Work done within the proposed co-ordinates.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches proposed for OB and mineral	Separate benches maintained for OB and mineral	

2c	Stripping ratio or ore to OB ratio	1:1.2	1:1.3
2d	Quantity of topsoil generation in m3	No proposal	Nil
2e	Quantity of overburden generation in m3	56540 cu.m	52336.9 cu.m
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Mechanised mining method is adopted. Seperate benches in OB and limestone has been developed.

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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 - 149955.76 Te 2020-21 - 149729 Te	2019-20 - 124500 Te 2020-21 - 96000 Te (till Nov'20)	
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	
3g	Grade of sub grade mineral generation	Not applicable	Nil	

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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	Drilling and blasting proposed in mineral benches.	Burden-3m Spacing-3.5 m Depth of blast hole- 7.7m Slurry explosive, ANFO and NONELS Wagon Drill- 115 mm dia hole.
3k	Provision of mining machineries in mineral benches	Excavator-0.9 m <sup>3</sup> -2 nos Rock Breaker- 80 TPH-1 no Dumpers	Excavator-0.9 m <sup>3</sup> -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	It was proposed to maintain the bench height of 7 meters	During inspection it was noticed that the bench height is being maintained between 7 m and digging height of the excavators are compatible with bench height.
3m	Total area covered under excavation/pits	13.072 Ha	12.768 Ha
3n	Ore to OB ratio for the pit/mine during the year.	1:1.2	1:1.3
3o	Total area put in use under different heads at the end of year	16.918 Ha	13.436 Ha

3p	Production of ROM mineral during the last five year period as applicable	2016-17 :149850 Tonnes 2017-18 : 150150 Tonnes 2018-19 : 149888 Tonnes 2019-20 : 149955 Tonnes 2020-21 : 149729 Tonnes	2016-17 :123500 Tonnes 2017-18 : 118900 Tonnes 2018-19 : 128600 Tonnes 2019-20 : 124500 Tonnes 2020-21 : 96000 Tonnes (till Nov'20)
3q	General remarks of inspecting officers on method of mining etc.	Mechanised opencast mining method has been adopted with deep hole drilling and blasting techniques for ore fragmentation. For loading & haulage, Hydraulic excavators, backhoe & tippers are being used.	

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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)	Seperated dumping for OB is proposed	OB dump maintained in the lease area.	
4b	Location of topsoil, OB and mineral reject dumps	Proposed in south west side of the lease area.	Developed in the south west side of the lease area.	
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)	Proposed within the lease area	Maintained within the lease area.	
4e	Number of active and alive dumps.	One	One	
4f	Number of dead dumps.	Nil	Nil	

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4g	Number of dumps established.	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposed	Garland drain maintained along the dump.
4i	Length of Retaining wall or garland drain all along dumps	310m	313m
4j	Number of settling ponds	No proposal	Nil
4k	Specific comments of inspecting officer on waste dump management		

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

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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 in time	
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6c	afforestation done (ha).	0.1 Ha	1.495 Ha	
6d	No. of saplings planted during the year	500 Nos.	511 Nos.	
6e	Cumulative no .of plants	---	5105 Nos.	
6f	Any other method of rehabilitation	No proposal	Nil	
6g	Cost incurred on watch and care during the year	No proposal	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal	Nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Nil	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	No proposal	Nil	

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	Nil	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	500 Nos. in 0.1 Ha	511 Nos. in 1.495 Ha	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	Nil	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	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.

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Mineral Conservation:

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Sl.No.	Item	Propasals	Actual work	Remarks
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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.	122000 Te despatched to captive plant. No gradewise sorting carried out.	
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)	No proposal	Nil	
8b	Concurrent use or storage of topsoil	No proposal	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Seperate dump for OB is proposed	Seperated dump for OB is proposed	

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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)	---	511 Nos. of plantation done in 1.495 Ha.	
8g	Survival rate	80%	70%	
8h	Water sprinkling on roads to control airborne dust	Water Tankers to be provided 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 being carried out to improve the aesthetic beauty in and around the lease area.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	To be submitted in time	Submitted in time	

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9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer - Sri. R.Ram Reddy Geologist - Sri. S.Naresh Kumar	Manager - Sri. R. Ram Reddy Mining Engineer - Sri. S.Mohan Geologist - Nil	1. Advised to submit Notice of appointment of Mining Engineer. 2. No Geologist appointed as per statute. Violation issued as per rule.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Opencast Working - 12.768 Ha Roads and infrastruture - 0.668 Ha	Same as submitted.	
9d	Scrutiny of Annual return on afforestation	511 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	Nil	
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	Cost of production is reported as Rs.249.35/-	Total overhead cost is not submitted in Part-III, Sl.No.6(i). Annual returns has been referred back to the lessee by MMS division.	
9h	Scrutiny of Annual return on fixed assets	Not submitted	Lessee has not submitted that details of the fixed assests. Annual returns has been referred back to the lessee by MMS division.	
9k	Scrutiny of Annual return on mining machineries	Excavator - 1 No. Tippers - 5 Nos. Drill machine - 1 No.	Machineries found in the mining area.	

**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 31(1)	21-JAN-21	05-FEB-21				
MCDR17	Rule 55(1)(3)	21-JAN-21					

**Date :**

(MADHU SUDHAN YADAV M)

Indian Bureau of Mines