

**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 : **DP09** ) **D.P.Ravi kumar**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Shri G.Maheswara Rao, Mines Manager  
Official with  
Designation
- (iv) Date of Inspection : 20/03/2024
- (v) Prev.inspection date : 02/09/2021

**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 : 20/02/2008
- (h) Weekly day of rest : SUN
2. Address for : VILLAGE:VEDADRI, MANDAL:JAGGAIHPET,  
correspondance DIST:KRISHNA.
3. (a) Lease Number : APR2658  
(b) Lease area : 38.45  
(c) Period of lease : 50  
(d) Date of Expiry : 31/03/2030
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	18/04/2008
Plan/Scheme of Mining		MP modif under MCR 1960	01/03/2016
		MP review under 17(1) MCR 2016	15/05/2018
		MP review under 17(1) MCR 2016	02/12/2022

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration has been proposed during 2022-23	Nil	Nil
1b	Exploration over lease area for geological axis 1 or 2	-do-	Entire mineralised area is explored in G1 level.	Entire mineralised area is explored in G1 level.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	-do-	Entire mineralised area is explored in G1 level.	Entire mineralised area is explored in G1 level.
1d	Balance area to be explored to bring Geological axis in 1 or 2	-do-	-do-	-do-
1e	Balance reserve as on 01/04/20		Reserves as on 01.04.2023 =5652055 tonnes.	Nil
1f	General remarks of inspecting officers on geology, exploration etc			Entire mineralised area of 38.46 Ha has been explored under G1 level. The area comprises of an undulating hilly type of terrain making up north-western and south-eastern slope of a hillock with a peak occupying the mid portion of the area. The lease area is situated near the northeastern tip of the Cuddaph Basin and forms the eastern most extent of the Palnad sub-basin, comprises Jammalamadugu series of the sedimentary of the Proterozoic era.

## Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	1st bench - E 408780- E 408840 & N 1858587- N 1858522, 2nd bench - E 408842- E 408631 & N 1858520- N 1858502	Work done within the proposed co-ordinates.	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Seperate benches proposed for OB and mineral	Seperate benches maintained for OB and mineral	Nil
2c	Stripping ratio or ore to OB ratio	1:1.1	1: 1.1	Nil
2d	Quantity of topsoil generation in m3	No proposal	Nil	Nil
2e	Quantity of overburden generation in m3	92813.94 cum.	56450 cum.	Nil
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.	Mechanised mining method is adopted. Seperate benches in OB and limestone has been developed.

## Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit	One pit	Nil
3b	Quantity of ROM mineral production proposed	149813 tones	149800 tones	Nil
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	Nil

3d	Quantity of mineral reject generation	No proposal	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	Nil	Nil
3f	Quantity of sub grade mineral generation.	No proposal	Nil	Nil
3g	Grade of sub grade mineral generation	No proposal	Nil	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	Nil	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Nil	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.	Nil
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	Nil
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.	Nil
3m	Total area covered under excavation/pits	13.072 Ha. up to end of F.Y. 2022-23	12.76 ha	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1:1.1	1.0.68	Nil

3o	Total area put in use under different heads at the end of year	16.50 ha	14.43 ha.	Nil
3p	Production of ROM mineral during the last five year period as applicable	Yr. 2018-19: 149888.600 Metric Tonnes Yr. 2019-20: 149955.760 Metric Tonnes Yr. 2020-21: 149729.165 Metric Tonnes, 2021- 22=149759.67 MT 2022- 23=149813.91 tones	FY2017-18: 118900 MT FY2018-19: 128600MT FY2019-20: 124500MT FY2020-21: 146000 MT FY2021-22: 149500 MT 2022-23=149800 tones	Nil
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.	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.

#### 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.	Nil
4b	Location of topsoil, OB and mineral reject dumps	OB/Waste: In between UTM co-ordinates N-1858555-1858251, E-408232-408412	OB/Waste: In between UTM co-ordinates N-1858555-1858251, E-408232-408412	Nil
4c	Number of dumps within lease area and outside of lease area	One	One	Nil

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Proposed beyond ultimate pit limit.	Maintained within the lease area.	Nil
4e	Number of active and alive dumps.	One	One	Nil
4f	Number of dead dumps.	No proposal.	Nil	Nil
4g	Number of dumps established.	No proposal	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil	Nil	Nil
4i	Length of Retaining wall or garland drain all along dumps	Proposal has been given in the approved document for maintenance of the existing Retaining Wall along	Being done as per proposal.	Nil
4j	Number of settling ponds	No proposal	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management			waste dump is maintained as per the approved proposals.

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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	Nil
5b	Area under backfilling of mined out area	No proposal	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal, as no topsoil will be generated during 2022-23	Nil	Nil

5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	None	None	The pit is not mined out upto its ultimate pit limit to start backfilling.

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	Nil
6b	Area available for rehabilitation (ha) .	No proposal	Nil	Nil
6c	afforestation done (ha).	0.1 Ha	0.1 ha	Nil
6d	No. of saplings planted during the year	500 saplings	500 saplings	Nil
6e	Cumulative no .of plants	2500 saplings	2000 saplings	Nil
6f	Any other method of rehabilitation	No proposal	Nil	Nil
6g	Cost incurred on watch and care during the year	No proposal	As informed by the lessee Rs 200000 incurred on watch and caring during the year.	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal.	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal.	Nil	Nil

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No proposal	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	Nil	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	Nil	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 2022-23	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Environment monitoring has been carried out during 2022-23 and all the parameters are within the permitted limits.	Environment monitoring has been carried out during 2022-23 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
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.	All the ROM despatched to captive plant. No gradewise sorting carried out.	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	Nil	Nil
7c	Different grade of mineral sorted out at mines.	No proposal	Nil	Nil
7d	Any beneficiation process at mines .	No beneficiation study has been proposed in the approved document during Review period	Not applicable.	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.	No sub grade has been generated. Beneficiation is not required as the entire ROM mineral is utilised for captive plant.

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal, as no topsoil will be generated during Review period.	Not applicable.	Nil
8b	Concurrent use or storage of topsoil	No proposal	Nil	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumping of overburden and waste has been proposed	Dumping of overburden and waste is being done.	Nil

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	0.1 ha.nonmineralized area will be rehabilitated through the 500 nos. of plants during 2022-23.	0.1 ha. non-mineralized area has been rehabilitated through the 500 nos. of plants during F.Y. 2022-23.	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	500 nos. of samplings will be planted over 0.10 ha. nonmineralised area during F.Y. 2022-23.	500 nos. of samplings have been planted over 0.10 ha. non-mineralised area during F.Y. 2022-23.	Nil
8g	Survival rate	Not mentioned in the approved document.	75%	Nil
8h	Water sprinkling on roads to control airborne dust	Proposal has been given in the approved document for water sprinkling on roads to control airborne dust through the water tanker.	Being done as per proposal.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Plantation is being is being done regularly as per the proposals to improve the aesthetic beauty an and around mines area.	Plantation is being is being done regularly as per the proposals to improve the aesthetic beauty an and around mines area.

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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	M.R. Submitted up to March 2024 A.R. Submitted up to F.Y. 2022-23	M.R. Submitted up to March 2024 A.R. Submitted up to F.Y. 2022-23.	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager: ShriK.Ponnu swamy, Mining Engineer: Shri Rasool khan Pathan, Geologist: Shri K.Naresh.	It is observed during the inspection that the Mining Engineer and Geologist have been appointed newly. But the required notices for their appointment have not been submitted to the Regional Controller of Mines, IBM, Hyderabad. A violation letter under rule 55(1) of MCDR 2017 is issued to the lessee.	It is observed during the inspection that the Mining Engineer and Geologist have been appointed newly. But the required notices for their appointment have not been submitted to the Regional Controller of Mines, IBM, Hyderabad. A violation letter under rule 55(1) of MCDR 2017 is issued to the lessee.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit= 12.768 Ha. Waste/reject=1.000 =0.668 Ha.	Pit= 12.768 Ha. Waste/reject=1.000 =0.668 Ha.	Nil
9d	Scrutiny of Annual return on afforestation	Within lease Area: 500 nos. with 75 survivalrate	Within lease Area: 500 nos. with 75% survival rate	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Mineral Reject: NIL Grade: NIL	Mineral Reject: NIL Grade: NIL	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Nil	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine Price: Rs. 250.00 Per Metric Tonne, Cost of Production: Rs. 250.00 Per Metric Tonne	Ex-mine Price: Rs. 250.00 Per Metric Tonne, Cost of Production: Rs. 250.00 Per Metric Tonne	Nil

9h	Scrutiny of Annual return on fixed assets	---	---	
9k	Scrutiny of Annual return on mining machineries	Given in the annual returns.	Cross verified from the field logbooks.	Nil

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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 :

(D.P.Ravi kumar)

Indian Bureau of Mines