

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

**MCDR inspection REPORT  
Hyderabad regional office**

**Mine file No :** AP/KNL/LST-209/HYD

**Mine code :** 38APR11193

- (i) Name of the Inspecting : 25 ) SHRI IBRAHIM SARIF  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : SRI VISWANATH REDDY, MINES MANAGER  
Official with  
Designation
- (iv) Date of Inspection : 29-AUG-21
- (v) Prev.inspection date : 11-MAR-20

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : VENKATAPURAM(7.410 HA)
- (b) **Registration NO.** : IBM/20649/2011
- (c) **Category** : A Other than Fully Mech.
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ANDHRA PRADESH
- District : KURNOOL
- Village : VENKATAPURAM
- Taluka : BANAGANAPALLI
- Post office : NANDAVARAM
- Pin Code : 518124
- FAX No. :
- E-mail : ssnreddy1971@hotmail.com
- Phone :
- (f) **Police Station** :
- (g) **First opening date** : 31-AUG-19
- (h) **Weekly day of rest** :
2. **Address for** : Village-Venkatapuram  
**correspondance** Mandal-Banaganapalli  
District-Kurnool
3. (a) **Lease Number** :
- (b) **Lease area** :
- (c) **Period of lease** :
- (d) **Date of Expiry** :
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : S. DINESH REDDY  
Venkatapuram(V)  
Banaganapalli Kurnool dist  
KURNOOL ANDHRA PRADESH  
Phone:  
FAX :

Owner : Sri S. Dinesh Reddy  
Village-Venkatapuram  
Mandal-Banaganapalli  
KURNOOL ANDHRA PRADESH  
Phone:  
FAX :

6. Date of approval of Mining : MP under 16(1) of MCR 2016 19-AUG-16  
Plan/Scheme of Mining

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	F.Y. 2020-21: No proposals	Nil	
1b	Exploration over lease area for geological axis 1 or 2	F.Y. 2020-21 : No proposal	Nil	Entire lease area has been explored in G1 scale.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not mentioned in the approved document.	Nil	So far Lessee spent Rs. 65,000 for exploration.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	Nil	Entire lease area had been explored in G1 scale. To prove the depth persistnace of the ore body future exploration was proposed in 5th year of plan period.
1e	Balance reserve as on 01/04/20	Reserves : 8,72,476 Tonnes Production proposed 2019-20 : 46,002 TONnes 2020-21 : 46,002 TONnes  Balance Reserves : 7,80,472 Tonnes	8,72,476 Tonnes Production proposed 2019-20 : 2,500 TONnes 2020-21 : 10,400 TONnes  Balance Reserves : 8,59,476 Tonnes	Reserves as per Approved Mining Plan on 17.08.2016

1f	General remarks of inspecting officers on geology, exploration etc	Entire lease area has been explored in G1 level. The lease area consists of Tufaceous Limestone of simple formation and grade is mostly uniform through the area. The mineral available is in powdery form and contains high calcium and low silica. The lithological sequence of the area is Weathered limestone followed by Powdery Limestone, Siliceous Limestone and at depth Banganapali Quartz. The lease area was explored by 20 trial pits with dimension. Lessee has spent Rs. 65,000 for exploration
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## Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	F.Y. 2020-21: Development is proposed in between co-ordinates N430-486, E375-470 297-283 M.L.	Work is being carried out within the approved area.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposal been given in the approved document for maintaining Mineral/Ore. bench only	Mineral bench is found developed.	
2c	Stripping ratio or ore to OB ratio	1:0	1:0.05	
2d	Quantity of topsoil generation in m3	No proposal is given in the approved document	Nil	

2e	Quantity of overburden generation in m3	F.Y 2020-21: There is no proposal of generation of overburden	520T of OB reported during the year	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			The development and production is being done through mechanized means.

## Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	F.Y. 2020-21: 46002 Tonnes	F.Y. 2020-21: 10,400 Tonnes	Less production during F.Y. 2020-21 due to Covid and Less market demand
3c	Recovery of sailable/usable mineral from ROM production	100%	Less than 100%	
3d	Quantity of mineral reject generation	No mineral reject will be generated during plan period.	No mineral reject has been generated during F.Y. 2020-21.	
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable.	Nil	
3f	Quantity of sub grade mineral generation.	No mineral sub-grade will be generated during plan period.	No mineral sub-grade has been generated during F.Y. 2020-21.	
3g	Grade of sub grade mineral generation	Not applicable	Nil	

3h	Manual / Mechanised method adopted for segregating from ROM	No proposal as there is no generation of Mineral Reject	Mechanised method adopted	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No beneficiation study has been proposed during plan period.	Not applicable.	
3j	Provision of drilling and blasting in mineral benches	No provision of Drilling and Blasting	No drilling & Blasting is being carried out as the ore is soft in nature	
3k	Provision of mining machineries in mineral benches	Proposal is given using Excavator: 1.1 cum capacity (1 No.) and Truck : 1.0 Tonne capacity 1 no.	Same machineries are being used.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Boom length of 1.1 cum capacity excavator is suitable to maintain bench height of 1.5 meters.	Bench Height of 6 meters is observed.	Violation is pointed out
3m	Total area covered under excavation/pits	1.7425 Ha	Production and Development is being carried out within the approved proposals.	
3n	Ore to OB ratio for the pit/mine during the year.	1:0	1:0.05	
3o	Total area put in use under different heads at the end of year	1.911 Ha	about 0.75 Ha area degraded due to mining and allied activities	
3p	Production of ROM mineral during the last five year period as applicable	2019-20 : 46002 Tonnes 2020-21 : 46002 Tonnes	2019-20 : 2500 Tonnes 2020-21 : 10400 Tonnes	

3q General remarks of inspecting officers on method of mining etc. Mechanized method of mining is being carried out by maintaining bench height of 6 meters and sufficient width using 1.1 cum capacity excavator with 10 Tonnee trucks.

#### 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 of seperate dumping of OB/ TOp Soil/ Mineral Reject is made in the approved document	One weathered limestone heap was observed in the lease area.	
4b	Location of topsoil, OB and mineral reject dumps	No proposal	OB generated is dumped adjacent to Pit on Western side.	
4c	Number of dumps within lease area and outside of lease area	No proposal	One small dump observed within the lease area.	The weathered Limestone is stacked seperately
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	One small dumo is found dumped within UPL, as entire lease area is mineralized.	
4e	Number of active and alive dumps.	No proposal	One	
4f	Number of dead dumps.	No proposal	Nil	
4g	Number of dumps established.	No proposal	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal is given for maintaining Retaining Wall and Garland Drain	Not applicable	

4i	Length of Retaining wall or garland drain all along dumps	No proposal	Not applicable
4j	Number of settling ponds	No proposal	Not applicable
4k	Specific comments of inspecting officer on waste dump management		One dump is observed in the lease area and no impact is noticed.

#### 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 during F.Y. 2020-21.	Nil	No area is matured for backfilling as it is new granted lease.
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 topsoil will be generated during plan period.	Nil	
5d	Total area fully reclaimed and rehabilitated	No Proposal during F.Y. 2020-21.	Nil	No area is matured for reclamation
5e	General remarks of inspecting officers on backfilling and reclamation etc.		No area is matured for reclamation hence no backfilling is applicable at present.	

#### Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	To be submitted annually before due date	Not submitted	Violation pointed out.
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6c	afforestation done (ha).	About 0.18 ha is proposed for plantation	More or less the proposed area is planted	
6d	No. of saplings planted during the year	112 no. of sapplings to be planted during the F.Y. 2020-21	150 no. of sapplings planted during the F.Y. 2020-21	
6e	Cumulative no .of plants	No proposal	About 400 sapplings	
6f	Any other method of rehabilitation	No proposal	Nil	
6g	Cost incurred on watch and care during the year	Proposal of Rs. 6000 to be spent	About Rs.5000 spent	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Plantation is being carried out to improve aesthetic beauty. Environment 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	Entire ROM produced to be dispatched/consuned in the same year.	Top 0.5 meters weathered limestone is being stacked separetely and the balance ROM is consumed in the year.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	Mechanised method adopted for sorting of minerals	

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7c	Different grade of mineral sorted out at mines.	No proposal	Nil	
7d	Any beneficiation process at mines .	No such proposal for the year 2020-21	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Weathered limestone of about 0.5 meters from top is being stacked seperately for future use.

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**Environment:**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No topsoil will be generated during Review period.	Not applicable.	
8b	Concurrent use or storage of topsoil	No proposal	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal of OB / Top Soil/ Mineral Reject is made in the approved document	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal of OB/ Reject will be used for restoration of land	Nil	

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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)	116 sapplings to be planted for the year 2020-21	150 sapplings planted during the year.
8g	Survival rate	No approved proposals in the approved document	About 70%
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.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Plantation is being carried out to improve the aesthetic beauty.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. to be submitted up to August 2021 A.R. to be submitted up to F.Y. 2020-21	M.R. Submitted up to August 2021 A.R. Submitted up to F.Y. 2020-21	

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9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Entineer Shri B Lakshmanna Geologist: Shri B Srinivas Reddy	Geologist not employed.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	1. Covered under current (O/C) workings : 0.7 ha 2. Other purpose (Roads and infrastructure ) : 0.05 ha	1. Covered under current (O/C) workings : 0.7 ha 2. Other purpose (Roads and infrastructure) : 0.05 ha
9d	Scrutiny of Annual return on afforestation	150 sapplings planted	150 sapplings planted during the year.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Mineral Reject: NIL Grade: NIL	Mineral Reject: NIL Grade: NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing Stock: ROM: NIL Grade Ore: 1400 Tonnes	Closing Stock: ROM: NIL Grade Ore: 1400 Tonnes
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value and ex.mine price Rs. 300 cost of production Rs. 154	Sale value and ex.mine price Rs. 300 cost of production Rs. 154
9h	Scrutiny of Annual return on fixed assets	Nil	-
9k	Scrutiny of Annual return on mining machineries	Not furnished	Excavator: 1.1 cum Truck : 1.0 Tonne The above macheries are being used in the mine.

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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
MCDR17	Rule 11(1)	08-OCT-21			
MCDR17	Rule 26(2)	08-OCT-21			
MCDR17	Rule 40	08-OCT-21			
MCDR17	Rule 45(7)(a)	08-OCT-21			
MCDR17	Rule 54(a)	08-OCT-21			
MCDR17	Rule 11(1)	08-OCT-21			
MCDR17	Rule 26(2)	08-OCT-21			
MCDR17	Rule 45(7)(a)	08-OCT-21			
MCDR17	Rule 54(a)	08-OCT-21			
MCDR17	Rule 55(1)(1)	08-OCT-21			

**Date :**

(SHRI IBRAHIM SARIF)

Indian Bureau of Mines