

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT 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 : **M001**) **S K MUDULI**
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : **VENKATARAMI REDDY, VISWANATH REDDY**
Official with
Designation
- (iv) Date of Inspection : 11/03/2020
- (v) Prev.inspection date :

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 : 31/08/2019
- (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 Plan/Scheme of Mining : MP under 16(1) of MCR 2016 19/08/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No such proposal approved for 2018-19 and 2019-20	Mine was not opened during 2018-19. Nil during 2019-20 (upto date of inspection).	
1b	Exploration over lease area for geological axis 1 or 2	No such proposal approved for 2018-19 and 2019-20	Mine was not opened during 2018-19. Nil during 2019-20 (upto date of inspection).	Entire area explored under G1 level by 20 nos of trial pits having dimension ranging from 4m X 3m X 6.2 to 6.5 m
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No such proposal approved for 2018-19 and 2019-20	Mine was not opened during 2018-19. Nil during 2019-20 (upto date of inspection).	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No such proposal approved for 2018-19 and 2019-20	Mine was not opened during 2018-19. Nil during 2019-20 (upto date of inspection).	
1e	Balance reserve as on 01/04/20	As on 01.04.2019 Reserves (111 category) = 826474 tonnes Remaining Resources (211 category) = 2,16,326 tonnes	872476 tonnes in 111 category & 216326 tonnes in 211 category	As on 29.02.2020, 870776 tonnes in (111) category & 216326 tonnes in (211) category.
1f	General remarks of inspecting officers on geology, exploration etc			Tufaceous Limestone with thickness about 6.5m. The limestone is soft and powdery in nature. The deposit has been explored in G1 level by 20 nos. trail pit in 100m x 100m.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	2019-20 E-380 - E-480 N400 - N500	Mine not yet started its production during 2018-19.During 2019-20 (as on date of inspection) Mine development is at initial stage and the depth of pit is 2m max. The dimension of pit 20m x 10m x 2m made within E400 - E300, N400 - N500 (Centre of BP - 22 & 23)	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate bench proposed in Limestone only during 2018-19 and 2019-20	Mine was not opened during 2018-19. Benches developed only in Limestone as on date of inspection.	
2c	Stripping ratio or ore to OB ratio	No such proposal approved for 2018-19 and 2019-20	Mine was not opened during 2018-19. Nil during 2019-20 (upto date of inspection).	Except top soil there is no overburden.
2d	Quantity of topsoil generation in m3	No such proposal approved for 2018-19 and 2019-20	Mine was not opened during 2018-19. Nil during 2019-20 (upto date of inspection).	
2e	Quantity of overburden generation in m3	No such proposal approved for 2018-19 and 2019-20	Mine was not opened during 2018-19. Nil during 2019-20 (upto date of inspection).	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mine development is at initial stage and the depth of pit is 2m max. Mining pit has been developed from west to east. The dimension of pit 20m x 10m x 2m made within E400 - E300, N400 - N500 (Centre of BP - 22 & 23)

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	Mine was not opened during 2018-19 and during 2019-20 only One mining pit developed.	As per the Notice of opening of the Mine the mine is opened on 31.08.2019.

3b	Quantity of ROM mineral production proposed	46002 Tonnes in 2018-19. 46002 tonnes in 2019-20.	Mine was not opened during 2018-19 and 1700 tonnes in 2019-20 (upto 29.02.2020).	
3c	Recovery of sailable/usable mineral from ROM production	100% during 2018-19 and 2019-20	Mine was not opened during 2018-19. 100% during 2019-20 (upto date of inspection).	
3d	Quantity of mineral reject generation	No such proposal approved for 2018-19 and 2019-20	Nil as mine has not been opened.	Proposed mining area during 2019-20 dont have any mineral reject.
3e	Grade of mineral rejects generation and threshold value declared.	-do-	NA	NA
3f	Quantity of sub grade mineral generation.	No such proposal approved for 2018-19 and 2019-20	Mine was not opened during 2018-19. Nil during 2019-20 (upto date of inspection) as the Proposed mining area during 2019-20 dont have any subgrade limestone.	
3g	Grade of sub grade mineral generation	-do-	NA	NA
3h	Manual / Mechanised method adopted for segregating from ROM	No such proposal approved for 2018-19 and 2019-20 as entire ROM is directly saleable.	Mine was not opened during 2018-19. Nil during 2019-20 (upto date of inspection).	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No such proposal approved for 2018-19 and 2019-20	Mine was not opened during 2018-19. Nil during 2019-20 (upto date of inspection) as entire ROM is directly saleable and beneficiation is not required..	
3j	Provision of drilling and blasting in mineral benches	No such proposal approved	Mine not opened during 2018-19 and 2019-20 (upto date of inspection)..	Excavation and loading by deploying excavator, transportation is being done by deploying tippers.
3k	Provision of mining machineries in mineral benches	Hydraulic excavator 0.9 cum-1 tippers - 4 nos 10 tonnes	Mine not opened during 2018-19.	Hydraulic excavator 0.9 cum-1 tippers - 4 nos 10 tonnes during 2019-20 (upto date of inspection).

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Mineral bench height-6mts.	During 2018-19 mine was not opened.	Mineral bench height developed 2m and to be developed further during 2019-20 (upto date of inspection). Further mining machinery deployed can easily reach to the bench.
3m	Total area covered under excavation/pits	0.3485 Ha.	Mine not opened during 2018-19, but during 2019-20 upto date of inspection 0.05 Ha.	
3n	Ore to OB ratio for the pit/mine during the year.	No such approved proposal for 2018-19 and 2019-20	Mine was not opened in 2018-19 and in 2019-20 no OB has been produced.	
3o	Total area put in use under different heads at the end of year	0.8 Ha. 2018-19 46002 tonnes.	Mine was not opened during 2018-19 and 0.64 Ha. during 2019-20 (upto date of inspection).	
3p	Production of ROM mineral during the last five year period as applicable	2018-19-46002 Tonnes 2019-20-46002 Tonnes	Mine was not opened during 2018-19 and 1700 tonnes up to 29/2/2020 (In 2019-20).	
3q	General remarks of inspecting officers on method of mining etc.			Direct Excavation and loading is being carried out without any drilling and blasting.

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No such proposed approval for 2018-19 and 2019-20	Mine was not opened during 2018-19. No separate dumping of OB, Top soil and mineral reject during 2019-20 (upto date of inspection).	
4b	Location of topsoil, OB and mineral reject dumps	-do-	Mine was not opened during 2018-19. Nil during 2019-20 (upto date of inspection).	

4c	Number of dumps within lease area and outside of lease area	-do-	-do-	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	-do-		Mine was not opened during 2018-19.No dumping activity during 2019-20 (upto date of inspection) .
4e	Number of active and alive dumps.	-do-		Mine was not opened during 2018-19.Nil during 2019-20 (upto date of inspection) .
4f	Number of dead dumps.	-do-	-do-	
4g	Number of dumps established.	-do-	-do-	
4h	Whether Retaining wall or garland drain all along dumps are there.	No such proposed approval for 2018-19 and 2019-20 as there was no assessment of dumping.		Mine was not opened during 2018-19. Nil during 2019-20 (upto date of inspection) .
4i	Length of Retaining wall or garland drain all along dumps	No such proposed approval for 2018-19 and 2019-20		Mine was not opened during 2018-19. Nil during 2019-20 (upto date of inspection) .
4j	Number of settling ponds	-do-	-do-	
4k	Specific comments of inspecting officer on waste dump management			No top soil and waste dump exists within the mine.

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 such proposed approval for 2018-19 and 2019-20	Mine was not opened during 2018-19. Nil during 2019-20 (upto date of inspection) .	Proposed area is yet to be exhausted completely and mineral is yet to be extracted, hence no part of the mining lease is matured for back filling.

5b	Area under backfilling of mined out area	-do-	-do-	-do-
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	-do-	-do-	-do-
5d	Total area fully reclaimed and rehabilitated	-do-	Nil	-do-
5e	General remarks of inspecting officers on backfilling and reclamation etc.			-do-

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	Mine was not opened during 2018-19 and 2019-20 is to be completed.	
6b	Area available for rehabilitation (ha) .	No such proposal approved for 2018-19 & 2019-20.	Mine not opened during 2018-19. Nil during 2019-20 (upto date of inspection).	No part of the mining lease is completey exhausted of mineral and matured to start for reclamation and rehabilitation by backfilling as of date of inspection.
6c	afforestation done (ha) .	No such proposal approved for 2018-19 & 2019-20.	No part of the mining lease is completey exhausted of mineral and matured to start for reclamation and rehabilitation by backfilling as of date of inspection.	
6d	No. of saplings planted during the year	No such proposal approved for 2018-19 & 2019-20.	Mine was not opened during 2018-19. Nil during 2019-20 (upto date of inspection).	

6e	Cumulative no .of plants	No such proposal approved for 2018-19 & 2019-20.	Mine was not opened during 2018-19. Nil during 2019-20 (upto date of inspection).
6f	Any other method of rehabilitation	No such proposal approved for 2018-19 & 2019-20.	Mine was not opened during 2018-19. Nil during 2019-20 (upto date of inspection).
6g	Cost incurred on watch and care during the year	No such proposal approved for 2018-19 & 2019-20.	Mine was not opened during 2018-19. Nil during 2019-20 (upto date of inspection).
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D	No such proposal approved for 2018-19 & 2019-20.	Mine was not opened during 2018-19. Nil during 2019-20 (upto date of inspection).
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No such proposal approved for 2018-19 & 2019-20.	Mine was not opened during 2018-19. Nil during 2019-20 (upto date of inspection).
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No such proposal approved for 2018-19 & 2019-20.	Mine was not opened during 2018-19. Nil during 2019-20 (upto date of inspection).
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No such proposal approved for 2018-19 & 2019-20.	Mine was not opened during 2018-19. Nil during 2019-20 (upto date of inspection).
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No such proposal approved for 2018-19 & 2019-20.	Mine was not opened during 2018-19. Nil during 2019-20 (upto date of inspection).

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	There is no waste land.How ever there is approved proposal of sapling plantation in 7.5m safety zone 2018-19 - 112 No. saplings 2019-20 -112 No. Sapplings	Mine not opened during 2018-19. 200 nos. saplings planted in 7.5m safety zone (BP-22 to 23 and BP-21 to BP-20) upto 29/2/2020.	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No such proposal approved for 2018-19 & 2019-20.	Mine was not opened during 2018-19. Nil during 2019-20 (upto date of inspection).	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No such proposal approved for 2018-19 & 2019-20.	Mine was not opened during 2018-19. Nil during 2019-20 (upto date of inspection).	
6p	Compliance of environmental monitoring (core zone and buffer zone)	No such proposal approved for 2018-19 & 2019-20.	Mine was not opened during 2018-19. No environmental monitoring carried out during 2019-20 (upto date of inspection).	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			200 nos. saplings planted in 7.5m safety zone (BP-22 to 23 and BP-21 to BP-20) upto 29/2/2020.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Whatever ROM is produced will be despatched	Mine was not opened during 2018-19. Only 500 tonnes despatched during 2019-20 (upto 29.02.2020)	

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No such proposal approved for 2018-19 and 2019-20 as entire ROM is directly saleable.	Mine was not opened in 2018-19.No grade wise mineral sorting carried in 2019-20.
7c	Different grade of mineral sorted out at mines.	No such proposal approved for 2018-19 and 2019-20 as entire ROM is directly saleable.	Mine was not opened in 2018-19.No grade wise mineral sorting carried in 2019-20.
7d	Any beneficiation process at mines .	No such proposal approved for 2018-19 and 2019-20 as entire ROM is directly saleable.	Mine was not opened in 2018-19.No beneficiation test carried in 2019-20.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Limestone ROM is directly saleable in open market without any grade upgradation, hence beneficiation is not warranted.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No such proposal approved for 2018-19 and 2019-20.	Mine was not opened during 2018-19. Nil during 2019-20 (upto date of inspection).	
8b	Concurrent use or storage of topsoil	-do-	-do-	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	-do-	As on date of inspection there is no dump of OB,waste and reject.	

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	-do-	No OB,waste and top soil generated, hence its use for restoring the land to its original use does not arise.	
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)	Proposed plantation to be done in 7.5 mts. buffer zone	200 nos sapling plantation carried out along 7.5m safety zone. From BP-22 to 23 and of the length of BP - 20 to 21.	
8g	Survival rate		0%	
8h	Water sprinkling on roads to control airborne dust	By water tanker	By water tanker	By water tanker
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	200 nos. sapling plantation has been done along 7.5m mineral safety zone (BP-22 to 23 and half of the length 13p-21 to 20.		

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR and AR to be submitted.	MR submitted.During 2018-19 the mine was not opened.AR for 2019-20 will be submitted after completion of the year.	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	To be submitted.	Mine was not opened in 2018-19 and the year 2019-20 is to be completed hence annual return not submitted.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	To be submitted.	Mine was not opened in 2018-19 and the year 2019-20 is to be completed hence annual return not submitted.
9d	Scrutiny of Annual return on afforestation	To be submitted.	Mine was not opened in 2018-19 and the year 2019-20 is to be completed hence annual return not submitted.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	To be submitted.	Mine was not opened in 2018-19 and the year 2019-20 is to be completed hence annual return not submitted.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	To be submitted.	Mine was not opened in 2018-19 and the year 2019-20 is to be completed hence annual return not submitted.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	To be submitted.	Mine was not opened in 2018-19 and the year 2019-20 is to be completed hence annual return not submitted.
9h	Scrutiny of Annual return on fixed assets	To be submitted.	Mine was not opened in 2018-19 and the year 2019-20 is to be completed hence annual return not submitted.
9k	Scrutiny of Annual return on mining machineries	To be submitted.	Mine was not opened in 2018-19 and the year 2019-20 is to be completed hence annual return not submitted.

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