

**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 : 38APR11191

- (i) Name of the Inspecting Officer and ID No. : **M001) S K MUDULI**
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine Official with Designation : Sri Suresh, Lessee's Representative
- (iv) Date of Inspection : 13/03/2020
- (v) Prev. inspection date : 16/03/2018

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **V.PEDDA KONDA REDDY LIMES**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : ANDHRA PRADESH
- District : KURNOOL
- Village : VENKATAPURAM
- Taluka : BANAGANAPALLI
- Post office : BANAGANAPALLI
- Pin Code : 518124
- FAX No. : -
- E-mail : gvmreddy 99@gmail.com
- Phone : cellno:9908699460, 9701392'
- (f) Police Station : BANAGANAPALLI
- (g) First opening date : 12/02/2018
- (h) Weekly day of rest : SUN
2. Address for correspondance : Sri V.PeddakondaReddy, h.no.6/110
NANDAVARAM (V) , BANAGANAPALLI (M)
KURNOOLDIST, , ANDHRAPRADESH-518124
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 : V.PEDDAKONDAREDDY
H.NO.6/110,NANDAVARAM(V)
BANAGANAPALLI(M),KURNOOL
DISTRICT ANDHRAPRADESH
KURNOOL ANDHRA PRADESH
Phone:cellno;9908699460, 9701392784
FAX :-

Owner : Sri V.PEDDAKONDAREDDY
H.NO,6/110,NANDAVARAM(VILLA
GE)
BANAGANAPALLI(MANDAL,KURNOO
L DIST ANDHRAPRADESH-
KURNOOL ANDHRA PRADESH
Phone: 9908699460, 970
FAX : -

6. Date of approval of Mining : MP under 16(1) of MCR 2016 16/12/2016
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|---|---|--|--|
| 1a | Backlog of previous year | No exploration proposal approved for 2018-19. | Nil | |
| 1b | Exploration over lease area for geological axis 1 or 2 | No such proposal approved. | Entire mining lease area has been explored in G1 level by 24 nos of trial pits 50m X 50m grid. | The dimensions of trial pit ranges from 3 to 5.5m X 1.5 to 5.5m X 2.5 to 5.2 m |
| 1c | Exploration Agencies and Expenditure in lakh rupees during the year | No such proposal approved for 2018-19 | No exploration carried out during 2018-19. | |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2 | No such proposal approved for 2018-19. | Nil | |
| 1e | Balance reserve as on 01/04/20 | | | |
| 1f | General remarks of inspecting officers on geology, exploration etc | Reserve-192263 tonnes (121 category) Remaining Resources-30769 tonnes (221 category) | Reserve-269740 tonnes (121 category) Remaining Resources-30769 tonnes (221 category) | Tufaceous Limestone |

Development :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|--|---------------------------------------|---|---------|
| 2a | Location of development w.r.t. lease area | E3350 to E 3300, N5250 to 5410 | Working pit as on date of inspection bounded by N 15d 22m 13s to N 15d 22m 16s E 78d 15m 9.6s to E 78d 15m 13.7s | |
| 2b | Separate benches in topsoil, overburden and minerals (Rule 15) | Separate bench only in Limestone. | One separate bench of 0.5 to 1m height in top soil and one bench in Limestone of 6m height developed. | |
| 2c | Stripping ratio or ore to OB ratio | No such approved proposal for 2018-19 | Nil | |

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|----|---|---|---------------------|
| 2d | Quantity of topsoil generation in m3 | 2700 m3 during 2018-19. | Nil during 2018-19. |
| 2e | Quantity of overburden generation in m3 | No such proposal approved for 2018-19 | Nil |
| 2f | General remarks of inspecting officers on development of pit w.r.t. type of deposit etc | Mining Pit has been developed at NE side of the lease. One separate bench of 0.5 to 1m height in top soil and one bench in Limestone of 6m height developed. At Eastern side there are 3 Limestone benches. | |

Exploitation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|---------------------------------------|-----------------------------|---|
| 3a | Number of pit proposed for production | One | One | |
| 3b | Quantity of ROM mineral production proposed | 60625 tonnes during 2018-19 | 29060 tonnes during 2018-19 | 35560 tonnes in 2019-20 (upto 29.02.2020) |
| 3c | Recovery of sailable/usable mineral from ROM production | 100% | 100% | |
| 3d | Quantity of mineral reject generation | No such approved proposal for 2018-19 | Nil | |
| 3e | Grade of mineral rejects generation and threshold value declared. | -do- | Not applicable | |
| 3f | Quantity of sub grade mineral generation. | -do- | Nil | |
| 3g | Grade of sub grade mineral generation | -do- | Not applicable | |

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|----|--|--|--|---|
| 3h | Manual / Mechanised method adopted for segregating from ROM | No such approved proposal for 2018-19 | Segregation of ROM is not carried out as entire ROM is directly salable. | |
| 3i | Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects. | No such approved proposal for 2018-19 as entire ROM is directly salable. | Nil | Beneficiation not warranted. |
| 3j | Provision of drilling and blasting in mineral benches | No such proposal approved for 2018-19 as the Limestone is soft and powdery in nature. | Nil | |
| 3k | Provision of mining machineries in mineral benches | 0.9m3 bucket capacity- excavator-one Tippers-10 tonners-3 nos Hired Trucks | 0.9m3 bucket capacity- Excavator-one Tippers-10 tonners-3 nos Hired Trucks | |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | Suitable | Suitable as per the Mining Machinery deployed | |
| 3m | Total area covered under excavation/pits | No such approved proposal for 2018-19 | 0.35 Ha | As on date of inspection about 0.70 Ha |
| 3n | Ore to OB ratio for the pit/mine during the year. | -do- | Nil | |
| 3o | Total area put in use under different heads at the end of year | -do- | About 1.20 Ha | |
| 3p | Production of ROM mineral during the last five year period as applicable | 2017-18-54225 tonnes 2018-19-54563 tonnes 2019-20-57488 tonnes | 2017-18-2250 tonnes 2018-19-29060 tonnes 2019-20 (upto 29.02.2020)-35560 tonnes | |
| 3q | General remarks of inspecting officers on method of mining etc. | | | Opencast mechanised mining operation is being carried out. |

Solid Waste Management - Dumping:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|---|--|---------|
| 4a | Separate dumping of topsoil, OB and mineral rejects (Rule 32,33) | No separate dumping proposal approved for top soil, OB, Mineral rejects. There is no OB and MR. | Top soil generated has been utilised for land preparation for Green Belt developement. | |
| 4b | Location of topsoil, OB and mineral reject dumps | No top soil dumping proposal approved for 2018-19. There is no OB and MR. Top soil to be used concurrently for Green belt developement. | No top soil dump found within the mining lease. | |
| 4c | Number of dumps within lease area and outside of lease area | No such approved proposal for 2018-19. | Nil | |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16) | There is no approved proposal of dumping | Nil | |
| 4e | Number of active and alive dumps. | No such approved proposal for 2018-19. | Nil | |
| 4f | Number of dead dumps. | No such approved proposal for 2018-19. | Nil | |
| 4g | Number of dumps established. | No such approved proposal for 2018-19. | Nil | |
| 4h | Whether Retaining wall or garland drain all along dumps are there. | No such approved proposal for 2018-19 as there will be no dump. | Nil | |

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|----|--|--|----------------|--|
| 4i | Length of Retaining wall or garland drain all along dumps | -do- | Not applicable | |
| 4j | Number of settling ponds | No such approved proposal for 2018-19. | Nil | |
| 4k | Specific comments of inspecting officer on waste dump management | | | There is no waste dump within the lease. |

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 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 such approved proposal for 2018-19. | Nil | |
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32) | Top soil to be used for Green belt development. | Used for Green Belt development | |
| 5d | Total area fully reclaimed and rehabilitated | No such approved proposal for 2018-19. | Nil | No part of the lease area is completely exhausted and matured to start reclamation and rehabilitation. |
| 5e | General remarks of inspecting officers on backfilling and reclamation etc. | | | No part of the lease area is completely exhausted and matured to start back filling and reclamation. |

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 | Submitted | |
| 6b | Area available for rehabilitation (ha) . | No such proposal approved for 2018-19. | Nil | No part of the lease area is completely exhausted and matured to start back filling, reclamation and rehabilitation. |
| 6c | afforestation done (ha). | -do- | Nil | |
| 6d | No. of saplings planted during the year | -do- | -do- | |
| 6e | Cumulative no .of plants | -do- | -do- | |
| 6f | Any other method of rehabilitation | -do- | -do- | |
| 6g | Cost incurred on watch and care during the year | -do- | -do- | |
| 6h | Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D | No such proposal approved for 2018-19. | Nil | No part of the lease area is completely exhausted and matured to start back filling, reclamation and rehabilitation. |
| 6i | Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings | -do- | -do- | |
| 6j | Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area | -do- | -do- | |

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|----|--|------|------|-----------------------------|
| 6k | Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir | -do- | -do- | |
| 6l | Compliance on reclamation and rehabilitation by backfilling (v) any other specific means. | -do- | -do- | |
| 6m | Compliance of rehabilitation of waste land within lease (i) afforestation | -do- | -do- | |
| 6n | Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha) | -do- | -do- | |
| 6o | Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation | -do- | -do- | |
| 6p | Compliance of environmental monitoring (core zone and buffer zone) | -do- | -do- | |
| 6q | General remarks of inspecting officers on PMCP compliance and progressive closure operations etc. | | | Survival rate is very poor. |

Mineral Conservation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|------|-----------|-------------|---------|
|--------|------|-----------|-------------|---------|

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| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | No proposal for Grade wise sorting was approved for 2018-19. Entire ROM produced is to be despatched/sold. | 27395 tonnes despatched during 2018-19. |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical. | No proposal for Grade wise mineral sorting was approved for 2018-19. | Nil |
| 7c | Different grade of mineral sorted out at mines. | No such proposal approved for 2018-19. | Nil |
| 7d | Any beneficiation process at mines . | No such proposal approved for 2018-19. | No beneficiation process adopted within the mine as entire ROM is directly saleable in market without any upgradation. |
| 7e | General remarks of inspecting officer on Mineral conservation and beneficiation issues | | Beneficiation is not warranted in the mine as entire ROM is directly saleable in the market without any upgradation. |

Environment:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|---|---------------------|---------|
| 8a | Separate removal and utilization of topsoil (Rule 32) | No such proposal approved for 2018-19. | Nil during 2018-19. | |
| 8b | Concurrent use or storage of topsoil | Top soil generated to be concurrently used for Green belt developement. | Nil during 2018-19. | |
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 33) | No such proposal approved for 2018-19. | Nil | |

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|----|---|--|-------------------|---|
| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | No such proposal approved for 2018-19. | Nil | |
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | No such proposal approved for 2018-19. | Nil | |
| 8h | Water sprinkling on roads to control airborne dust | Proposed | Being carried out | |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area | | | The mining lease area is surrounded by other mining leases. |

Compliance of Rule 45:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|-----------------|-------------|---------|
| 9a | Status of submission of Monthly and Annual returns | To be submitted | Submitted | |
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | To be furnished | Furnished | |
| 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 | |

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|----|---|-----------------|---|
| 9e | Scrutiny of Annual return on mineral reject generation (Grade and quantity) | To be furnished | Nil |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore | To be furnished | Nil |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price and production cost | To be furnished | Production cost-Rs 170.00 Ex mine Price-Rs 200.00 |
| 9h | Scrutiny of Annual return on fixed assets | To be submitted | Submitted as Rs 7440000.00 |
| 9k | Scrutiny of Annual return on mining machineries | To be submitted | 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