

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

Review and updation of Mining Plan REPORT

Hyderabad regional office

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

Mine code : 38APR11191

- (i) Name of the Inspecting : **DP09**) **D.P.Ravi kumar**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : S/SHRI E.V. NARESH KUMAR, QP AND S. VISWANATH REDD
Official with
Designation
- (iv) Date of Inspection : 12/04/2022
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **V.PEDDA KONDA REDDY LIMES**
- (b) **Registration NO.** : **IBM/22171/2018**
- (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 : **BANAGANAPALLI**
- Pin Code : **518124**
- FAX No. : **-**
- E-mail : **gvnmreddy 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 2020-21.	Nil	
1b	Exploration over lease area for geological axis 1 or 2	No such proposal approved.	during the year 2021-22:Nil	Further entire lease area had been explored in G1 level by 24 nos of trial pits in 50m X 50m grid interval. 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		Exploration was carried out by Lessee and Rs.1,00,000.00 spent on exploration in the lease area so far.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No such proposal approved for 2020-21.	Nil	Entire lease area has been explored in G1 Scale. The exploration is proposed in fifth year of plan period i.e. 2021-22 to prove the depth persistence of ore body.
1e	Balance reserve as on 01/04/20			Balance Reserves : 200325 t

1f	General remarks of inspecting officers on geology, exploration etc	The lease area is plain land. The lease area consist of two main litho units i.e. Weathered Limestone and Tuffacious Limestone and followed by Silecious Limestone. SO far 24 trial pits were dug in the lease area with size of 3 to 6 m Length, 1.5 to 5.5 m width and 2.2 to 5.5 m Depth in 50m X 50m grid interval.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	In between UTM co-ordinates E3220 to E 3260, N5260 to 5410	In between UTM co-ordinates E3220 to E 3260, N5260 to 5410	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate bench of Top Soil and 1.5 metrs Limestone benches to be maintained.	Only limestone benches were maintained, no seperate top soil benches were maintained.	
2c	Stripping ratio or ore to OB ratio	1 : 0.11	1 : 0.07	
2d	Quantity of topsoil generation in m3	2900	No details furnished.	
2e	Quantity of overburden generation in m3	Nil	Not applicable	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Development and Production is being done through Mechanised means.
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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	64,350 t	26,700 t	
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 as entire ore to be produced is above threshold value for Limestone . Threshold value for Limestone is 34% CaO, 5% MgO	No mineral Reject is reported.	
3f	Quantity of sub grade mineral generation.	No proposal	Nil	
3g	Grade of sub grade mineral generation	No proposal	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	No such approved proposal	Nil	The grade of excavated ROM is Saleable, hence, no segregation is required

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 such proposal approved as the Limestone is soft and powdery in nature.	No drilling and Blasting is carried out
3k	Provision of mining machineries in mineral benches	1. Backhoe Excavator: 1.1m ³ bucket capacity-one no. 2. Tippers-10 tonners-3 nos	1. Backhoe Excavator: 1.1m ³ bucket capacityone no. 2. Tippers-10 tonners-3 nos
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench Height of 1.5 m using 0.9 cum capacity excavator is proposed	As proposed.
3m	Total area covered under excavation/pits	2.8 Ha	About 2.67 ha area degraded
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.11	1 : 0.075
3o	Total area put in use under different heads at the end of year	Total Area degraded under different heads is : 3.482 Ha	Total area degraded for mining and allied activities is about 2.85 ha
3p	Production of ROM mineral during the last five year period as applicable	Production proposal : 2017-18 :54,225 Tonnes 2018-19 : 54,563 Tonnes 2019-20: 57,488 Tonnes 2020-21: 64,800 Tonnes 2021-22:64350 tonnes	Production Achieved : 2017-18 :2,250 Tonnes 2018-19 : 29,060 Tonnes 2019-20: 36,900 Tonnes 2020-21: 35,815 Tonnes 2021-22: 26700 Tonnes

3q	General remarks of inspecting officers on method of mining etc.	Opencast mechanised method of mining is being carried out using 0.9 cum capacity Excavator and 10 tonn capacity tippers by maintaining bench height of 6.0 meters and width more than height.
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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)	There is no proposal of seperate dumping of OB, Top Soil as there is no generation of OB is anticipated	Nil	
4b	Location of topsoil, OB and mineral reject dumps	No top soil dump and OB dump is proposed, the top soil generated is to be utilised for plantation	Top soil generated is being utilised for plantation. Weathered Limestone is Stacked /Dumped on western side of the lease area near ML pillar E	
4c	Number of dumps within lease area and outside of lease area	No such approved proposal	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	Nil	
4e	Number of active and alive dumps.	No proposal	Nil	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	No proposal	Nil	

4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	Nil	
4i	Length of Retaining wall or garland drain all along dumps	No proposal	Nil	
4j	Number of settling ponds	No proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management			Weathered limestone dump is established over a height of about 3 meters. Quality of the dump to be assessed for its use, if any

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 2021-22	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 2021-22	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Top soil to be used for Green belt developement.	Not applicable no details of Top soil gneration is furnished	
5d	Total area fully reclaimed and rehabilitated	No such approved proposal for 2021-22	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	

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).	Annual report on PMCP to be submitted before due date	PMCP submitted	
6b	Area available for rehabilitation (ha) .	No area is available for rehabilitation	Nil	
6c	afforestation done (ha).	About 0.1 Ha	0.1 Ha	
6d	No. of saplings planted during the year	150 no. ofsapplings tobe planted during theyear	150 no. planted	
6e	Cumulative no .of plants	470 no.of plants	about 450 plants	
6f	Any other method of rehabilitation	No proposal	Nil	
6g	Cost incurred on watch and care during the year	Rs. 8250	About Rs. 8500	
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	Proposal has been given in the approved document for regular monitoring of the environmental parameters in the core and buffer zone.	As proposed	

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	No proposal	Nil	
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)	No proposal	Nil	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Only plantation is carried out to improve aesthetic beauty.	Only plantation is carried out to improve aesthetic beauty.

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Entire ROM produced is to be dispatched	ROM ore produced is being dispatched.	

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No such proposal of grade wise mineral sorting is made in the approved document	Mechanised method adopted	
7c	Different grade of mineral sorted out at mines.	No proposal	Weathered Limestone is found stacked, grade of the same to be ascertained.	
7d	Any beneficiation process at mines	No proposal is made in the approved plan	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Weathered Limestone is being stacked, quality of which need to be ascertained.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposal of sepearte removal of Topsoil and its utilisation for green belt development is made in the approved mining plan.	Top soil is being utilised for plantation	
8b	Concurrent use or storage of topsoil	Proposal is there to utilise TOp soil for plantation	Yes Top Soil generated is being utilised for plantation	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	There is no proposal of Separate dumps for overburden, waste rock, rejects and fines	Nil	

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal is Nil there for use of OB to restore the land	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal is Nil given for phased restoration as no area is exhauste	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Plantation is scanty in the lease area and about 150 no. of sapplings to be planataion during the F.Y.2021-22	150 sapplings have been plantated
8g	Survival rate	Not mentioned in the approved document.	About 75%
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.	Water sprinkling arrangement is there to suppress the dust
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Plantation is being carried out to improve aesthetic beauty.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	M.R./ A.R to be submitted in time	M.R./ A.R are being submitted regularly	The Annual Return for the year 2021-22 is not yet furnished. so, some information is furnished as per the Annual return 2020-21.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mines manager: K.Viswanath Reddy Geologist: R.Srinivasa Reddy	Mines manager: K.Viswanath Reddy Geologist: R.Srinivasa Reddy	-do-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	1.Area already exploited and abandoned by O/C Mining : 0.953 Ha 2. Covered under current (O/C) Workings : 2.657 Ha 3. REclaimed & Rehabilitated : 0.2 Ha 4. Used for waste disposal : 0.2 Ha 5. Occupied by Plant, Building, (ROADS & infrastructure	Found in order	-do-
9d	Scrutiny of Annual return on afforestation	150 saplings planted	complied.	-do-
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	-do-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM & Graded Ore : 180 Tonnes	As submitted by Lessee	-do-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex mine price & Sale Price : Rs. 300, Cost of Production : Rs. 200	As submitted by Lessee	-do-
9h	Scrutiny of Annual return on fixed assets	Nil	Nil	

9k	Scrutiny of Annual return on mining machineries	No details furnished	Excavator of 0.9 cum capacity and 10 Tonnes dumper is being used in the lease area	-do-
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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