

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

**MCDR INSPECTION REPORT**

**Hyderabad regional office**

**Mine file No :** AP/KNL/LST-153/HYD

**Mine code :** 38APR11091

- (i) Name of the Inspecting : **AP03** ) **A.Prabhakar Rao**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : S.NARAYANAREDDY LESSEE'REPRESENTATIVE  
Official with  
Designation
- (iv) Date of Inspection : 15/10/2016
- (v) Prev.inspection date : 07/11/2015

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **VENKATAPURAM(S.NO.83,85)**
- (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 : VENKATAPURAM
- Pin Code : 518599
- FAX No. :
- E-mail :
- Phone : 08516-273815
- (f) **Police Station** :
- (g) **First opening date** : 26/06/1992
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : VENKATAPURAM VILLAGE  
KURNOOL DISTRICT  
ANDHRA PRADESH
3. (a) **Lease Number** : APR0141
- (b) **Lease area** : 4.19
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 09/03/2024
4. **Mineral worked** : CLAY (OTHERS) Associated  
LIMESTONE Main

## 5. Name and Address of the

Lessee : S.VENUGOPAL REDDY  
KURNOOL ANDHRA PRADESH  
Phone:  
FAX :

Owner : S.VENUGOPAL REDDY  
MINE OWNER, BETHAMCHERLA  
KURNOOL ANDHRA PRADESH  
Phone: 08516-273095,  
FAX :

## Manager

Name : K.V.RAMAN  
Qualification :  
Appointment/ : 01/04/2001  
Termination date

6. Date of approval of Mining : Renewal under rule 22 MCR1960 26/06/2002  
Plan/Scheme of Mining Mining Scheme rule 12 MCDR1988 21/03/2013

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Bore hole no ID,Depth in meters,Locations Northing -Easting, PBH 1,10,1700990, 204710, PBH 2 10,1700890, 204783, PBH310,1700813 -204922 Proposed for the Scheme period 2012 -17	Not carriedout	
1b	Exploration over lease area for geological axis 1 or 2	Geological AXIS 1	Not carriedout	NIL
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not indicated in Approved Scheme of Mining	Not carriedout	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	4.194 Hectars	Not carriedout	-
1e	Balance reserve as on 01/04/20	Proved (111)13500 tonnes, Measured (331)1,41,188 tonnes,	Proved (111) 63373 tonnes, Measured (331)1,41,188 tonnes,	
1f	General remarks of inspecting officers on geology, exploration etc	NIL	NIL	NIL

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	No specific dimensions are indicated	During the inspection two pits were observed dimensions are as follows: Pit no 1 situated in the west side of the M.L.area Length 200m (East -west direction)Width100m (North -South)Hight 5.0to 7.0m Pit no 2 situated in the East side of the M.L.area Length 120m (East -west direction)Width 70m (North -South)Hight 7.0m	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	There is no top soil in M.L. area	NIL	NIL
2c	Stripping ratio or ore to OB ratio	1:0.01	1:0.01	NIL
2d	Quantity of topsoil generation in m3	There is no top soil in M.L. area	NIL	NIL
2e	Quantity of overburden generation in m3	6351 tonnes waste	Backfilled on proposed 0.07 hectars area	NIL
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NIL	NIL	NIL

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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	Two pits were proposed	During the inspection two pits were observed dimensions are as follows: Pit no 1 situated in the west side of the M.L.area Length 200m (East -west direction)Width100m (North -South)Hight 5.0to 7.0m Pit no 2 situated in the East side of the M.L.area Length 120m (East -west direction)Width 70m (North -South)Hight 7.0m	NIL
3b	Quantity of ROM mineral production proposed	71438 tonnes	79000 tonnes	NIL
3c	Recovery of sailable/usable mineral from ROM production	90%	90%	NIL
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	NIL	NIL	NIL
3f	Quantity of sub grade mineral generation.	No Subgrade mineral generation was proposed	NIL	NIL
3g	Grade of sub grade mineral generation	NIL	NIL	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	NIL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	NIL	

3j	Provision of drilling and blasting in mineral benches	No provision for drilling & blasting in mineral benches	As the formation is soft in nature it can be dug directly by excavator without any drilling & blasting	NIL
3k	Provision of mining machineries in mineral benches	Excavator is proposed	As the formation is soft in nature it can be dug directly by excavator without any drilling & blasting	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No O.B. IS available in the mine	NIL	NIL
3m	Total area covered under excavation/pits	Dimensions not given	2.0 Hectars	NIL
3n	Ore to OB ratio for the pit/mine during the year.	1:0.01	1:0.01	NIL
3o	Total area put in use under different heads at the end of year	2.04 Hect under minig operations, 0.10 Hectar backfilled & afforestation	2.04 hect covered under mining operations 0.10hectar backfilled & afforestation	NIL
3p	Production of ROM mineral during the last five year period as applicable	S.NO, YEAR, LIME STONE PRODUCTION IN TONNES, 1)2011-12, (Mine was not operated Hence production is NIL), 2)2012-13, 24638, 3)2013-14, 70425, 4)2014-15, 81788, 5)2015-16, 71438, 2	S.NO, YEAR, LIMESTONE PRODUCTION IN TONNES, 1)2011-12, NIL, 2)2012-13, 26020, 3)2013-14, 79720, 4)2014-15, 85450, 5)2015-16, 79000,	NIL
3q	General remarks of inspecting officers on method of mining etc.	NIL	NIL	NIL

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Solid Waste Management - Dumping:

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Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No top soil ,O.B, not available in themine	NIL	NIL
4b	Location of topsoil, OB and mineral reject dumps	No top soil ,O.B, not available in themine	NIL	NIL
4c	Number of dumps within lease area and outside of lease area	No dumps are proposed within the /outside the M.L. area	NIL	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No dumps are proposed within the /outside the M.L. area	NIL	NIL
4e	Number of active and alive dumps.	No dumps are proposed within the /outside the M.L. area	NIL	NIL
4f	Number of dead dumps.	No dumps are proposed within the /outside the M.L. area	NIL	NIL
4g	Number of dumps established.	No dumps are proposed within the /outside the M.L. area	NIL	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	Not proposed	NIL	NIL
4i	Length of Retaining wall or garland drain all along dumps	Not proposed	NIL	NIL
4j	Number of settling ponds	Not proposed	NIL	NIL
4k	Specific comments of inspecting officer on waste dump management	NIL	NIL	NIL

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Solid Waste Management - Backfilling:

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Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No part/fullextraction of mineral completed	NIL	NIL
5b	Area under backfilling of mined out area	During the Sceme period generated intercalated wastefrom this mine will be used for backfilling along either side of the cart track in the M.L.area After bckfilling plantation willbe carriedout subsequently, 2015-166350 tonnes of intercalated waste proposed for generation	As per the proposals the same was backfilled along the either side of the cart track	NIL
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No top soil available /generated from the mine	NIL	NIL
5d	Total area fully reclaimed and rehabilitated	It is proposed tto backfill the entire waste over an areao of 0.332hect	Not completed	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NIL	NIL	NIL

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).	NO proposals were made in the	Not submitted	NIL
6b	Area available for rehabilitation (ha) .	During the Scheme period about 0.332 hect will be backfilled along either side of the cart track and plantation will be done	As per the proposals backfilling of intercalated waste ,and plantation also carried out by the lessee	NIL
6c	afforestation done (ha).	During the Scheme period about 0.332 hect will be backfilled along either side of the cart track and plantation will be done	As per the proposals backfilling of intercalated waste ,and plantation also carried out by the lessee	NIL
6d	No. of saplings planted during the year	230 PLANTS	300 Sapplings were planted	NIL
6e	Cumulative no .of plants	900 Plants	600 Plants	NIL
6f	Any other method of rehabilitation	Not proposed	NIL	NIL
6g	Cost incurred on watch and care during the year	Cost not indicated	NIL	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposals were made in the Scheme of Mining	NIL	NIL

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	I)Proposed quantity of intercalated waste 6350 tonnes on 0.077hectproposed expenditure RS6350, II)Afforestation on on backfilled are 0.079 hect, 79 plnts proposed, expenditure RS3950, III)Afforestation ( green belt building)proposed area in hect 0.23, plants 230 no.sproposed expenditure RS 11500.Total proposed expenditure RS 21800	I)Quantity of intercalated waste7000 tonnes on 0.077hect expenditure RS 7000 II)Afforestation on backfilled are 0.079 hect, 79 plnts expenditure RS 4000 III)Afforestation ( green belt building)proposed area in hect 0.23, plants 230 no.sexpenditure RS 11500.Total expenditure RS 22500 incurred by the lesse for above rclamation and rehabilitation by backfilling plantation	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not matured for making water reservoir	Not matured for making water reservoir	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not proposed	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Not proposed	Not proposed	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not proposed	Not proposed	

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not proposed	Not proposed	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	Not proposed	NIL	NIL
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NIL	NIL	NIL

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM Mineral will despatch as per the buyer's requirement	ROM Mineral will despatch as per the buyer's requirement	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	NIL
7c	Different grade of mineral sorted out at mines.	Manual sizing & sorting will be adopted	Manual sizing & sorting was carried out as per the buyer's requirement	NIL
7d	Any beneficiation process at mines .	Manual sizing , sorting & screening will be adopted as per the buyer's requirement	Manual sizing , sorting & screening was carried out as per the buyer's requirement	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NIL	NIL	NIL

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Environment:

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Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	There is nbo top in the Mining Lease area	NIL	NIL
8b	Concurrent use or storage of topsoil	There is nbo top in the Mining Lease area	NIL	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No seperate dumps proposed for overburden waste rock,rejects &fines	No seperate dumps proposed for overburden waste rock,rejects &fines	NIL
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	During the scheme period about 28,570 tonnes of intercalated waste will be generated and the same willbe utilised for backfilling either side of the cart track over an area of0.332 hect with in the lease area	25000tonne s of generated inteer calated waste backfilled as per he prosals given in the Approved mining scheme	NIL
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	During the scheme period about 28,570 tonnes of intercalated waste will be generated and the same willbe utilised for backfilling either side of the cart track over an area of 0.332 hect with in the lease area	Backfilling either side of the cart track over an area of 0.332 hect with in the lease area carriedout	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	0.30 hect proposed along the boundary barrier zone and backfilling area with local speciez	0.30 hect along the boundary barrier zone backfilled during the year by the lessee	NIL
8g	Survival rate	Not indicated	90%	NIL

8h	Water sprinkling on roads to control airborne dust	Spraying of water to suppress the dust	Sprinkling of water on roads within the M,L,area carried out by the lessee	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NIL	NIL	NIL

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly returns upto November 2016 ,Annual Rerurn For the financial Year 1st April 2015 to 31st March 2016 received from the lessee	Found in order	NIL
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sri T.Venkatesubba iah Mining engineer, Geologist name not indicated	NIL	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	2.04 HECT	Same as furnished in the report	NIL
9d	Scrutiny of Annual return on afforestation	Not indicated	0.332 hect along the barrier zone 7.5	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	No mineral rejects were generated from thie mine	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	79000 tonnex	Proposed production 85000 tonnes, Achieved production 79000 tonnes	NIL

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	EX mine price RS 140/tonne, Sale value RS 140/tonne, Production cost RS 130/tonne	NIL	NIL
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets (in .) 365000 (in respect of the mine, beneficiation plant, mine work-shop, power and water installation)	NIL	NIL
9k	Scrutiny of Annual return on mining machineries	machinery Capacity of each unit No.of units Electrical/ Non-Electrical (specify) Used in opencast/ (specify) SHOVEL (HYDRAULIC) 125.000 CUM 1 Non Electrical Opencast	NIL	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 :**

**(A.Prabhakar Rao)**

Indian Bureau of Mines