

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

**MCDR INSPECTION REPORT**

**Hyderabad regional office**

**Mine file No :** AP/KNL/LST-90/HYD

**Mine code :** 38APR11049

- (i) Name of the Inspecting : **AP03** ) **A.Prabhakar Rao**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : **SRII.CHANDRA SEKHAR LESSEE'S SON**  
Official with  
Designation
- (iv) Date of Inspection : 13/10/2016
- (v) Prev.inspection date : 03/03/2015

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **MALKAPURAM**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address  
State : **ANDHRA PRADESH**  
District : **KURNOOL**  
Village : **CHINNAMALKAPURAM**  
Taluka : **DHONE**  
Post office : **DHONE**  
Pin Code : **518222**  
FAX No. :  
E-mail :  
Phone : **08516-222069**
- (f) Police Station :
- (g) First opening date : 01/04/1976
- (h) Weekly day of rest : SUN
2. Address for : **I SREERAMULU**  
correspondance : **PATHAPETA**  
**DHONE, KURNOOL DISTRICT.**
3. (a) Lease Number : **APR1287**
- (b) Lease area : **16.25**
- (c) Period of lease : **10**
- (d) Date of Expiry : **05/08/1999**
4. Mineral worked : **DOLOMITE** Associated  
**LIMESTONE** Main

## 5. Name and Address of the

Lessee : I. SREE RAMULU.  
 I.SREE RAMULU POST: DHONE  
 DIST: KURNOOL. KURNOOL  
 ANDHRA PRADESH  
 Phone:  
 FAX :

Owner : I.SREE RAMULU  
 I.SREE RAMULU POST:DHONE  
 DIST:KURNOOL.. KURNOOL  
 ANDHRA PRADESH  
 Phone: 08516-222069  
 FAX :

## Manager

Name : P.SESHAIAH  
 Qualification :  
 Appointment/ : 01/08/2004  
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	20/01/1998
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	09/05/2008
		Modif.of approved Mining Plan	22/04/2009
		Mining Scheme rule 12 MCDR1988	29/09/2015

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Draft Scheme of mining for the period 2010 2011 to 2014-15 was rejected in 2012 and furthur could not be submitted.Hence there was no prosals	In vie w of the above no Backlog of previos proposals in this mine	Modified mining plan for the period from 2015-16 to 2019- 2020 submitted U/R22 (6) of MCR 1960 ,Approved by this office vide letter no AP/KNL/MP/L.ST-39/HYD DATED 29-09/2015
1b	Exploration over lease area for geological axis 1 or 2	Geological Axis 1 three pits proposedalong and across the to cover the entire area	Pitno. Collar Pit Dimensions Location Lithology(m) 1) (L.ST) 457 5x3x3 N50& E-200 0.00-1.0 Soil  1/0-2.70 Dolomite, 2.70-3.00 Limestone ,2) (L.ST) 438.20 5X3X3 N 80 & E-150 01.0- 3.00 Limestone 3) (L.ST) 434.30, 5X3X3, N-150& E-1300.00- 3.00,Limestone,	Lessee has carriedout three trail pits as per the proposals
1c	Exploration Agencies and Expenditure in lakh rupees during the year	a)Removal of overburden:RS 2.0,b)Mine Development:2 .0,c) Fixing of Boundary pillars:0.75, d) Prelimnary investment/Advance to Machinery:2.0	6.0 lakhs incurred	
1d	Balance area to be explored to bring Geological axis in 1 or 2	0.88 HECT G4	NO. Proposals for the year 2015-16	

1e	Balance reserve as on 01/04/20	Proved (111) 0.98472,Pre feasibility Mineral resources(221 and 222)0.0051,Reconnasance Mineral Resources(334 ) 0.517 toalreserves in Million tonnes:0.620572	Proved (111) 0.101575,Pre feasibility Mineral resources(221and 222)0.0051,Reconnassance Mineral Resources(334) 0.517 toalreserves in Million tonnes:0.622675
1f	General remarks of inspecting officers on geology, exploration etc	NIL	NIL

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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Between N-0 to N-50 and E 200-E250 length 150 mx width 35m x 5.0 m	In the proposed location one working pit was developed Dimensions are : length110m (Noth-South)xwidth 20m (East-West)depth 2.50m, Pit no2)Dimensions are : length 60m (Noth-South)xwidth 6.0m (East-West)depth 2.50m, Pit no3)Dimensions are : length 30m (East-West) xwidth 20m depth 2.50m,(Noth-South)	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Area covered under mining operations :1.0hect .Al ready exploited area is .50 hect No top soil cover on the proposed area for mining for the period 2015--2016 to 2019-2020, Hence no proposals were made in modified mining plan	In o.b. waste one bench was formed in Noth Western side of the lease area earmarked for dump	

2c	Stripping ratio or ore to OB ratio	9:1	1425: 200	
2d	Quantity of topsoil generation in m3	No proposals were made in Modified Mining Plan	NIL	
2e	Quantity of overburden generation in m3	Interstitial Clay rejects and waste 392 cubic meters	Interstitial Clay rejects and waste 200 cubic meters	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NIL	NI	NIL

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit was proposed for production	In the proposed location one working pit was developed Dimensions are : length 110m (Noth-South)xwidth 20m (East-West)depth 2.50m, Pit no2)(old pit )Dimensions are : length 60m (Noth-South)xwidth 6.0m (East-West)depth 2.50m, Pit no3)(old pit)Dimensions are : length 30m (East-West) xwidth 20m depth 2.50m, (Noth-South)	
3b	Quantity of ROM mineral production proposed	8820 tonnes	1425 tonnes	Due to lack of demand production decreased
3c	Recovery of sailable/usable mineral from ROM production	90%	90%	NIL
3d	Quantity of mineral reject generation	No proposals were made in Modified Mining Plan	NIL	NIL
3e	Grade of mineral rejects generation and threshold value declared.	No proposals were made in Modified Mining Plan	NIL	

3f	Quantity of sub grade mineral generation.	No proposals were made in Modified Mining plan	NIL
3g	Grade of sub grade mineral generation	No proposals were made in Modified Mining plan	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	Manual method adopted for segregating from ROM	Manual method adopted
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposals were made in Modified Mining plan	NIL
3j	Provision of drilling and blasting in mineral benches	No provision for drilling & blasting in mineral benches	NIL
3k	Provision of mining machineries in mineral benches	One J.C.B will be deployed for loading purpose only	One J.C.B. was deployed for loading purpose
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Suitable for manual method of mining in Modified Mining Plan	Suitable for manual method of Mining
3m	Total area covered under excavation/pits	0.5250 Hectars	1.50 Hectars
3n	Ore to OB ratio for the pit/mine during the year.	1.0:0.12	1425 tonnes:200 tonnes
3o	Total area put in use under different heads at the end of year	0.2234 HECT for plan period(excluding old pits)	0.5250 Hect

3p	Production of ROM mineral during the last five year period as applicable	slno,year,Limestoneproduction in tonnes, 1)2011-12,*, 2)2012-13,*, 3)2013-14,*,4)2014-15,*, 5)2015-16,8820,	slno,year,Limestoneproduction in tonnes, 1)2011-12,550, 2)2012-13,400, 3)2013-14,865,4)2014-14,4184, 5)2015-16,1425,	*The Scheme period 2011-12 2014-15 was rejected in 2012 and further could not be submitted,Hence there was no proposals
3q	General remarks of inspecting officers on method of mining etc.	NIL	NIL	NIL

## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposals for seperate dumping of top soil,O.B, made in the modified mining plan	NIL	NIL
4b	Location of topsoil, OB and mineral reject dumps	Soth Western side of the M.L area	No top soil or mineral rejects were found on the proposed area	NIL
4c	Number of dumps within lease area and outside of lease area	Four dumps are proposed in the M.L.area	Four dumps are found in the M.L.area	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dumps are away from the working pit	Domps are away from the working pit	NIL
4e	Number of active and alive dumps.	Four dumps	Four dumps	NIL
4f	Number of dead dumps.	No proposals were made in the Modified mining plan	NIL	NIL
4g	Number of dumps established.	Four dumps are proposed	Four dumps are established within the M.L.area	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposals were made for the year 2015-16 in th Modified Mining plan	NIL	NIL

4i	Length of Retaining wall or garland drain all along dumps	No proposals were made for the year 2015-16 in th Modified Mining plan	NIL	NIL
4j	Number of settling ponds	No proposals were made for the year 2015-16 in th Modified Mining plan	NIL	NIL
4k	Specific comments of inspecting officer on waste dump management	NIL	NIL	NIL

#### 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 proposals were made in the Approved Modified Mining plan	NIL	
5b	Area under backfilling of mined out area	No proposals were made in the Approved Modified Mining plan	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposals were made in the Approved Modified Mining plan	NIL	
5d	Total area fully reclaimed and rehabilitated	No proposals were made in the Approved Modified Mining plan area not matured for reclamation	NIL	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NIL	NIL	

## 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).	No proposals were made in Approved Mining Plan.	This is B catagory small opencast manual mine	NIL
6b	Area available for rehabilitation (ha) .	No proposals were made in Approved Mining Plan	NIL	NIL
6c	afforestation done (ha).	100 Saplings were proposed along along the buffer zone over an area of 0.0672	100 Sapplings were planted asper the proposals	NIL
6d	No. of saplings planted during the year	100 Saplins were proposed	100 Saplings were planted	NIL
6e	Cumulative no .of plants	150 Plants	140 Plants	NIL
6f	Any other method of rehabilitation	No proposals were made in the Approved Modified Mining plan	NIL	NIL
6g	Cost incurred on watch and care during the year	No proposals were made in the Approved Modified Mining plan	NIL	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposals were made in the Approved Modified Mining plan	NIL	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposals were made in the Approved Modified Mining plan	NIL	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	No proposals were made in the Approved Modified Mining plan	NIL	NIL

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposals were made in the Approved Modified Mining plan	NIL	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposals were made in the Approved Modified Mining plan Not matured for reclamation	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	100 Saplings were proposed along the buffer zone	100 Saplings were planted as per The proposals	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposals were made in the Approved Modified Mining plan. Not matured for reclamation	NIL	NIL
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposals were made in the Approved Modified Mining plan Not matured for reclamation	NIL	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	No proposals were made in the Approved Modified Mining plan Thi is a small B catagory open cast manual mine	This is a B catagory open cast manual mine	NIL
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NIL	NIL	NIL

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Mineral Conservation:

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Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	As per the buyer's requirement manual sorting will be carriedout	As per the buyer's requirement manual sorting will be carriedout	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.	No proposals were made in Approved Modified Plan	NIL	NIL
7d	Any beneficiation process at mines .	Except manual sorting no other beneficiation process proposed at mines	Except manual sorting no other beneficiation process carriedout at mines	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NIL	NIL	NIL

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No seperate was proposed .There is soil cover in the m.l. area any soilcover removed incidental to Mining shall be used immediately for plantation along the buffer zone as per proposals	100 saplings were planted as per the proposals	NIL

8b	Concurrent use or storage of topsoil	There is soil cover in the m.l. area any soilcover removed incidental to Mining shall be used immediately for plantation along the buffer zone as per proposals	NIL	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No separate dumps were proposed for overburden waste rock, rejects and fines	NIL	NIL
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposals were made in Approved Modified Mining Plan	NIL	NIL
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposals were made in Approved Modified Mining Plan	NIL	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No proposals were made in Approved Modified Mining Plan	NIL	NIL
8g	Survival rate	No proposals were made in Approved Modified Mining Plan	90%	NIL
8h	Water sprinkling on roads to control airborne dust	No proposals were made in Approved Modified Mining Plan	Not carriedout	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 october 2016 ,Annual Return for the 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 C.Venkata Ramana Manager,	NIL	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Already exploited area 0.50 hect, covered under current mining op[erations 1.0 hectares	Already exploited area 0.50 hect, covered under current mining op[erations 1.0 hectares	NIL
9d	Scrutiny of Annual return on afforestation	50 Saplings with in the m.l area 25 Saplings out side the m.l area	670 square meters along the buffer zone 100 saplings were planted observbed during the inspection	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Lessee has not indicated	No mineral rejects are generated	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL	No ROM found during hte inspection	NIL

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Limestone Sale valueRS 250/tonne,Ex mine price RS 250 /tonne,,Cost of production RS 240/tonne	NIL	NIL
9h	Scrutiny of Annual return on fixed assets	NIL	NIL	NIL
9k	Scrutiny of Annual return on mining machineries	NIL	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