

**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 : **S41**) **Y M SIVA PRASAD**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Sri I.Chandra Sekher, LESSEE'S SON.
Official with
Designation
- (iv) Date of Inspection : 06/11/2017
- (v) Prev.inspection date : 13/10/2016

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	No proposals	N I L	
1b	Exploration over lease area for geological axis 1 or 2	Geological Axis 1. three pits proposed along and across to to cover the entire area.	Pit no. 1: 5 m L X 3 m W X 3 m X 3 m H. Pit no. 2. : 5m X 3m W X 3m H	
			Pit no.3 : 5 m L X 3m W X 3 m H.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	6.0 Lakhs	6.0 Lakhs.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	0.88 ha. G4.	N I L	
1e	Balance reserve as on 01/04/20	100575 tonnes. (111)	86075 tonnes (111)	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Section A A' -- B B'.	Section A A' -- B B'.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposals	N I L.	
2c	Stripping ratio or ore to OB ratio	1 : 0.12	1 : 0.12	
2d	Quantity of topsoil generation in m3	No proposals.	N I L	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit.	One pit. Dimention : 110 m L (North - South) X 20 m Width (East-- West) X 2.5 m H.	
3b	Quantity of ROM mineral production proposed	9234 tonnes.	3575 tonnes.	
3c	Recovery of sailable/usable mineral from ROM production	90%	90%	
3d	Quantity of mineral reject generation	No proposals	N I L	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual.	Manual.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposals	N I L	
3j	Provision of drilling and blasting in mineral benches	Drilling by Jack hammer and Muffle Blasting as per the requirement.	Drilling by Jack hammer and Muffle Blasting.	
3k	Provision of mining machineries in mineral benches	No proposals	One J. C. B. was deployed for loading purpose only.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	2.50 m bench height and width will be more than height	Yes. Suitable for method of mining as proposed in Modified Mining Plan.	
3m	Total area covered under excavation/pits	0.5250 ha.	1.50 ha.	
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.12	1 : 0.12	
3o	Total area put in use under different heads at the end of year	0.2234 ha.for plan period (Excluding old pits)	0.5250 ha.	

3p Production of ROM mineral during the last five year period as applicable

2012-13 : No proposals.

2012-13 : 400 tonnes.

2013-14: 865 tonnes.

2013-14
: No proposals.

2014-15 : 4184 tonnes.

2015-16 : 1425 tonnes.

2016-17 : 3575 tonnes.

2014-15 :
No proposals.
2015-16 : 8820
tonnes.
2016-17 : 9234
tonnes.

3q General remarks of inspecting officers on method of mining etc. N I L N I L N I L

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	N I L	
4b	Location of topsoil, OB and mineral reject dumps	No proposals	South western side of the mining lease area.	
4c	Number of dumps within lease area and outside of lease area	Four dumps .	Four dumps are observed on the day of inspection.	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dumps are away from the working pit.	It is observed that dumps are away from working pit .	
4e	Number of active and alive dumps.	Four dumps	Four dumps.	
4f	Number of dead dumps.	No proposals	N I L	
4g	Number of dumps established.	Four dumps	Four dumps are established within the Mining lease area.	
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposals	N I L	
4i	Length of Retaining wall or garland drain all along dumps	No proposals	N I L	
4j	Number of settling ponds	No proposals	N I L	
4k	Specific comments of inspecting officer on waste dump management	N I L	N I L	N I L

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	N I L	
5b	Area under backfilling of mined out area	No proposals	N I L	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposals	N I L	
5d	Total area fully reclaimed and rehabilitated	No proposals	N I L	

5e	General remarks of inspecting officers on backfilling and reclamation etc.	N I L	N I L	N I L
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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.	Category 'B' Opencast manual mine.	
6b	Area available for rehabilitation (ha) .	No proposals	N I L	
6c	afforestation done (ha).	100 saplings were proposaed allalong the buffer zone over an area of 0.0672 ha.	45 Plants were planted.	
6d	No. of saplings planted during the year	100 saplings wereproposed.	45 saplings were planted.	
6e	Cumulative no .of plants	250 plants.	200 Plants.	
6f	Any other method of rehabilitation	No proposals	N I L	
6g	Cost incurred on watch and care during the year	No proposals	N I L	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposals	N I L	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposals	N I L	

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposals	N I L	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposals	N I L	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposals	N I L	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	100 Saplings were proposed all along the buffer Zone.	45 saplings were planted.	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposals	N I L	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposals	N I L	
6p	Compliance of environmental monitoring (core zone and buffer zone)	No proposals	N I L	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	N I L	N I L	N I L

 Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	Manual grade wise sorting.	Manual grede wise sorting is carried out.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual.	Manual.	
7c	Different grade of mineral sorted out at mines.	No proposals	N I L	
7d	Any beneficiation process at mines .	No proposals	Except manual sorting no other beneficiation process carried out at mines.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	N I L	N I L	N I L

Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Topo soil cover in the mining lease area removed incidental to mining shall be used for plantation along the buffer zone.	Top soil removed incidental to mining lessee is using immediately for plantation.	
8b	Concurrent use or storage of topsoil	Topo soil cover in the mining lease area removed incidental to mining shall be used for plantation along the buffer zone.	No storage of top soil.	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal.	N I L	N I L
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	N I L.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposals	N I L	N I L
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No proposals	N I L	N I L
8g	Survival rate	No proposals.	80%	
8h	Water sprinkling on roads to control airborne dust	No proposals	N I L	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	N I L	N I L	N I L

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Lessee has to submit Monyhly returns and Annual return for the year 2016-17as per Statuate.	Lessee is submitting Monthly returns and Annual returns for the year 2016-17 through On-Line.	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mines Manager : Shri C.Venkata Ramana.	Mines Manager : Shri C.Venkata Ramana.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	1.0 ha.	1.50 ha
9d	Scrutiny of Annual return on afforestation	45 saplings within M.L. area and 20 saplings out side Mining Lease area.	45 saplings within M.L. area and 20 saplings out side Mining Lease area.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Lessee has not reported.	N I L
9f	Scrutiny of Annual return on ROM stock and/or graded ore	N I L.	ROM stock not found during inspection.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value = Rs 260/ tonne.	Sale value = Rs 240/ tonne.

Ex
Mine Price = Rs 240/
tonne.

Ex
Mine Price =
Rs 240/ tonne.

Cost of
production : Rs. 240/
tonne.

Cost of
production :
Rs. 240/
tonne.

9h	Scrutiny of Annual return on fixed assets	Not Given.	N I L	
9k	Scrutiny of Annual return on mining machineries	N I L	N I L	N I L

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed		Show couse position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on

Date :

(Y M SIVA PRASAD)

Indian Bureau of Mines