

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

MCDR INSPECTION REPORT

Hyderabad regional office

Mine file No : AP/KNL/LST-163/HYD

Mine code : 38APR11141

- (i) Name of the Inspecting : **AP03**) **A.Prabhakar Rao**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : SRI.I.CHANDRASEKHAR, LESSEE'S SON
Official with
Designation
- (iv) Date of Inspection : 14/10/2016
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **MALKAPURAM(4.04 HA)**
- (b) **Registration NO.** :
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ANDHRA PRADESH
- District : KURNOOL
- Village : MALKAPURAM
- Taluka : DHONE
- Post office : MALKAPURAM
- Pin Code : 518222
- FAX No. :
- E-mail :
- Phone :
- (f) **Police Station** :
- (g) **First opening date** : 06/03/2001
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : H.NO:9/19/A, KOTHAPET,
POST:DHONE,
DIST:KURNOOL.
3. (a) **Lease Number** : APR1493
- (b) **Lease area** : 4.04
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 04/03/2021
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : I.SRIRAMULU
H.NO:9/19/A,KOTHAPET,
POST:DHONE DIST:KURNOOL.
PIN:518222 KURNOOL ANDHRA
PRADESH
Phone:
FAX :

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

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 14/06/2013
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Four bore holes proposed	Not carried out	
1b	Exploration over lease area for geological axis 1 or 2	Geological axis 2	There are five pits formed after ten years of Mining activity in the leased area	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposals were made in the Approved Scheme of Mining (2011-12 to 2015-16)	NI L	
1d	Balance area to be explored to bring Geological axis in 1 or 2	2	-	
1e	Balance reserve as on 01/04/20	Proved(111) 36963 tonnes, Pre feasibility mineral resources(222) 44283 tonnes, Indicated mineral resources(333) Total mineral resources 140520 tonnes	Proved(111) 36963 tonnes, Pre feasibility mineral resources(222) 44283 tonnes, Indicated mineral resources(333) Total mineral resources 140520 tonnes	
1f	General remarks of inspecting officers on geology, exploration etc	-	NIL	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	0.03 HECT	Total development w.r.t lease area is 0.705 hectares	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Bench height 2.0m proposed in the mineral	2.5 to 3.0 meters bench height maintained in their five pits in this mine	

2c	Stripping ratio or ore to OB ratio	1:0.1	1:0.1
2d	Quantity of topsoil generation in m3	100 TONNES	Utilised dfor plantation
2e	Quantity of overburden generation in m3	150 tonnes	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NIL	NIL

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Pitno.1 (length 70m (East-West)xwidth 40m(North-South)xheight 2.0m)&pitno.4	Pitno.1, length 40.0m(East-West)x width 10.0m(North-South)xHeight 3.0m Pitno. 4, length 40.0m(East-West)x width 10.0m(North-South)xHeight 3.0m	NIL
3b	Quantity of ROM mineral production proposed	12,226 tonnes	1804 tonnes	NIL
3c	Recovery of sailable/usable mineral from ROM production	Recovery from limestone mineral is 80%	Recovery from limestone mineral is 90% is observed as per the lessee"s statement	NIL
3d	Quantity of mineral reject generation	No mineral rejects were proposed	Entire produced mineral is saleable	No mineral rejects were found during the inspection
3e	Grade of mineral rejects generation and threshold value declared.	No mineral rejects were proposed	NIL	NIL
3f	Quantity of sub grade mineral generation.	No subgrade mineral was generated from this mine	NIL	NIL
3g	Grade of sub grade mineral generation	No mineral rejects were proposed	NIL	NIL

3h	Manual / Mechanised method adopted for segregating from ROM	Manual method proposed for segregating from ROM	Manual method adopted for segregating from ROM	NIL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposals were made in the Approved Scheme of Mining	NIL	NIL
3j	Provision of drilling and blasting in mineral benches	Manual method proposed not necessary for drilling and blasting in mineral benches	Not adopted drilling and blasting in mineral benches	NIL
3k	Provision of mining machineries in mineral benches	Manual method proposed not necessary for mining machinary utilisation in mineral benches	NIL	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Over burden soil thickness is 0.20m thickness, in mineral 2.0m bench height was proposed	In this total five pits were developed details are as follows: Pit no Dimensions(m) Area in S.Q.meters Minral 1) 10x15x3 450 (old pit) 40x10x3 2) 1200 Limestone 40x10x3 3) 1200 Limestone 40x10x3 4) 1200 Limestone 40x25x3 5) 3000 Dolomite	In five pits bench height 3.0 meters were observed
3m	Total area covered under excavation/pits	0.0.03 hect	0.705 hect(For last five years)	NIL
3n	Ore to OB ratio for the pit/mine during the year.	-	-	NIL

3o	Total area put in use under different heads at the end of year	Atrea under excavations 0.53hect,Atrea under mineral waste storage 0.03hect,Atrea undergreenbelt &7.5m barrier zone 0.60hect,Atrea under other plantations 0.10hect	Covered under current mining operations are 1.0 hect,Atrea under mineral waste storage 0.04hec	NIL
3p	Production of ROM mineral during the last five year period as applicable	1)2011-12= No proposals 2)2012-13= No proposals 3)2013-14=231.25 tonnes 4)2014-15=7222.5 tonnes 5)2015-16=12226.25 tonnes	No 1)2011-12=1835 tonnes 2)2012-13=759 tonnes 3)2013-14=1048 tonnes 4)2014-15=2789 tonnes 5)2015-16=1804 tonnes	
3q	General remarks of inspecting officers on method of mining etc.	-	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)	Proposed in the location Section DD",&CC and RL from to 80m(from pit no.1&4) area proposed between N 80 and E 100	Not observed in the proposed area	NIL
4b	Location of topsoil, OB and mineral reject dumps	Proposed in the location Section DD",&CC and RL from to 80m(from pit no.1&4) area proposed between N 80 and E 100	Not observed in proposed area	NIL

4c	Number of dumps within lease area and outside of lease area	One dump proposed	Back filling along the barrier zone observed	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	South Eastern side of the M.L.area for limestone and Dolomite proposed height is 5.0 m	No dumped material was found in the proposed area	NIL
4e	Number of active and alive dumps.	NIL	NIL	-
4f	Number of dead dumps.	NIL	NIL	-
4g	Number of dumps established.	NIL	No dumps are established	-
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall not proposed	NIL	NIL
4j	Number of settling ponds	No proposals were made in the Approved Scheme of Mining	NIL	-
4k	Specific comments of inspecting officer on waste dump management	NIL	NIL	-

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Part or full extraction of mineral was completed	not matured for backfilling	NIL
5b	Area under backfilling of mined out area	Not matured for backfilling	Not matured for backfilling	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	0.2m thickness of top soil available the was proposed for plantation on the 7.5 m barrier zone	Not matured for rehabilitation	-

5d	Total area fully reclaimed and rehabilitated	N	Not matured for reclamation & rehabilitation	-
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
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).		Annual Report on PMCP has not been submitted	NIL
6b	Area available for rehabilitation (ha) .	Not matured for Rehabilitation	NIL	NIL
6c	afforestation done (ha).	Afffforestation done on proposed green belt area 7.50 m barrier zone	Afffforestation done on proposed green belt area 7.50 m barrier zone	
6d	No. of saplings planted during the year	Afffforestation done on proposed green belt area 7.50 m barrier zone	100 sappling were plated on green belt proposed 7.50 m	NIL
6e	Cumulative no .of plants	-	100PLANTS	NIL
6f	Any other method of rehabilitation	Not matured for rehabilitation	Not matured for rehabilitation	NIL
6g	Cost incurred on watch and care during the year	NIL	NIL	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not matured for for reclamation & rehabilitation by backfilling (i)voids available for backfilling	Not matured for for reclamation & rehabilitation by backfilling (i)voids avilable for backfilling	-

6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Not matured	Not matured	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposals were made in the Approved Scheme of Mining	NIL	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposals were made in the Approved Scheme of Mining	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposals were made in the Approved Scheme of Mining	No waste land within the lease area	NIL
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No proposals were made in the Approved Scheme of Mining	No waste land with in the lease area	-
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposals were made in the Approved Scheme of Mining	No waste land with in the lease area	-
6p	Compliance of environmental monitoring (core zone and buffer zone)	No proposals were made in the Approved Scheme of Mining	Not carried out	-

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposals were made in the Approved Scheme of Minig	Manual method of for sorting size ,grade as per the buyer"s requirement	NIL

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NIL	Manual method of for sorting size ,grade as per the buyer"s requirement	NIL
7c	Different grade of mineral sorted out at mines.	Entire matereal produced from the mine is saleable	NO	NIL
7d	Any beneficiation process at mines .	Not proposed	Not carriedout	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)	Top soil expected to generate during this Scheme period will be 761s.q.meters and proposed for afforestation	During the year 100 sapplings were planted generated top soil was utilised for plantation	NIL
8b	Concurrent use or storage of topsoil	No proposals were made in the Approved Scheme	NIL	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposals were made in the Approved Scheme of Mining	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 the Approved Scheme of Mining	NIL	NIL

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposals were made in the Approved Scheme of Mining	NIL	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	It is proposed 40 plants every year along South Eastern side along the barrier zone of the lease area	100 no.s sapplings were planted during the year 2015-16	NIL
8g	Survival rate	80%	80%	NIL
8h	Water sprinkling on roads to control airborne dust	No proposals were made in the Approved Scheme of Mining	No such type of adopted in this mine	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Nothing to high lighted	Nothing to high lighted	NIL

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly Returns upto MAY 2016 & ANNUAL Return for the year For the financial Year 1st April 2015 to 31st March 2016 received from the lessee	-	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	c	-	-

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current mining operations indicated 1.0 hect	Covered under current mining operations indicated 1.0 hect	NIL
9d	Scrutiny of Annual return on afforestation	0	100 Sapplings were planted on 7.5m barrier zone	nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	364 tonnes	No stock was found during the inspection	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value=RS 250/tonne Ex mine price not indicated, production cost =,RS 245/tonne	NIL	NIL
9h	Scrutiny of Annual return on fixed assets	0	NIL	NIL
9k	Scrutiny of Annual return on mining machineries	Lessee has not using any mining machinary, and not indicated in Annual Return	NIL	NIL

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
Rule 12(3)	21/11/2016				
Rule 13(1)	21/11/2016				

Date :
(A.Prabhakar Rao)

Indian Bureau of Mines