

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

Review and updation of Mining Plan REPORT

Hyderabad regional office

Mine file No : AP/ANP/L.ST-23/HYD

Mine code : 38APR02024

- (i) Name of the Inspecting : **PR09**) **M.Pratap.Reddy**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : HANUMANTH REDDY REPRESENTATIVE
Official with
Designation
- (iv) Date of Inspection : 29/09/2017
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **CHINTALACHERUVU**
- (b) **Registration NO.** : **IBM/8468/2012**
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ANDHRA PRADESH
- District : ANANTAPUR
- Village : CHINTALACHEUKU
- Taluka : PEDDAUEDUGER
- Post office : PEDDAUEDUGER
- Pin Code :
- FAX No. : -
- E-mail : -
- Phone : (08558)277680, 9440182327
- (f) **Police Station** : YADIKI
- (g) **First opening date** : 01/06/1999
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : G.PEDDIREDDY(MINE OWNER)
RAYALACHERUVU(PO)-515455.YADIKI(M)
ANATAPUR DIST. A.P
3. (a) **Lease Number** : APR1692
- (b) **Lease area** : 3.16
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 21/04/2019
4. **Mineral worked** : SHALE Associated
SERPENTINE Associated
STEATITE Associated
LIMESTONE Main
DOLOMITE Associated

5. Name and Address of the

Lessee : G.Venkata Lakshmi
P.Yengannapalli, Puppal
Post Yadiki Mandal
ANANTAPUR ANDHRA PRADESH
Phone:
FAX :

Owner : SRI G.PEDDIREDDY
RAYALACHERUVU(V) YADIKI(M)
ANANTAPUR ANDHRA PRADESH
Phone: ((08558)-277803
FAX : -

Manager
Name : L.VENUGOPAL REDDYY
Qualification : DIPLOMA IN MINING ENGINEERING
Appointment/ : 15/09/2003 17/11/2006
Termination date

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 25/04/2005
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 valid proposals exists	-	The approved valid proposals lapsed on 1.4.2015. The mining operations were suspended on 17.8.2017 under Rule 11(2) of MCDR 2017
1b	Exploration over lease area for geological axis 1 or 2	No valid proposals exists.	The ML area is explored under G1 Scale of exploration to an extent of about 1 ha and remaining area of an extent of 2.165 ha is under G3 scale of exploration.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No details have been furnished.	The lessee herself under the supervision of the Mines Manager has carried out the exploration.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No details are available.	About 2.165 ha	
1e	Balance reserve as on 01/04/20	No valid estimates are available.	As per the recently approved document(13/11/2017) the reserve are as below: Dolomite=17200 T, Limekankar=11100 T, White Shale=500 T, Serpentine=1600 T and Limestone=600 T	
1f	General remarks of inspecting officers on geology, exploration etc	Sedimentary deposit with partly G1 scale of exploration.	Simple Sedimentary deposit with 1.00 ha of G1 Scale of exploration and the remaining extent of 2.165 ha falls under G3 scale of exploration.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	No valid proposals exists for the year 2016-17.	There exists two working pits between coordinates 1659787N-1659713N and 800673E-800639E AND 1659796N-1659788N and 800673E-800668E	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	There is no such proposal	No top soil exists.
2c	Stripping ratio or ore to OB ratio	There are no valid proposals of Ore to OB ratio for the year 2016-17	There is a negligible generation of overburden.
2d	Quantity of topsoil generation in m3	There are no valid proposals of generation of top soil in the year 2016-17	There is no generation of top soil.
2e	Quantity of overburden generation in m3	There are no valid proposals of generation of overburden in the year 2016-17	There is a meagre amount (100 cum) of generation of overburden in the year 2016-17.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	The benches of 3m height and about 6m width were proposed	It is a sedimentary deposit and the bench height remained at 3m.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No valid approved proposals exists	However there exists two pits.	
3b	Quantity of ROM mineral production proposed	No valid approved proposals exists	Dolomite=1900 T, White Shale=1950 T & Serpentine=350 T.	
3c	Recovery of sailable/usable mineral from ROM production	No valid approved proposals exists.	100 %	
3d	Quantity of mineral reject generation	No valid approved proposals exists	Nil	

3e	Grade of mineral rejects generation and threshold value declared.	No valid approved proposals exists	-	
3f	Quantity of sub grade mineral generation.	No valid approved proposals exists	-	There is no generation of any sub grade mineral.
3g	Grade of sub grade mineral generation	No valid approved proposals exists	-	
3h	Manual / Mechanised method adopted for segregating from ROM	No valid approved proposals exists	ROM is segregated manually.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No valid approved proposals exists	-	
3j	Provision of drilling and blasting in mineral benches	No valid approved proposals exists	No drilling and blasting is done.	
3k	Provision of mining machineries in mineral benches	No valid approved proposals exists	No such provision for mining machinery has been made in the mineral benches.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No valid approved proposals exists	However, the bench heights in OB and Mineral are maintained at max. of 3m	
3m	Total area covered under excavation/pits	No valid approved proposals exists	0.69 ha.	
3n	Ore to OB ratio for the pit/mine during the year.	No valid approved proposals exists	Negisble overburden exists.	
3o	Total area put in use under different heads at the end of year	No valid approved proposals exists	The total area put in use is 0.75 ha	

3p	Production of ROM mineral during the last five year period as applicable	2012-13=7136 T Lst, 27,900 T Dolomite, 10,350 T W.Shale, 842 T Steatite and 1440 T Serpentine 2013-14=7975 T Lst,36169 T Dolomite, 10533 T W.Shale, 857 T Steatite and 1170 T Serpentine 2014-15=9916T Lst,39977T Dolomite, 10862 T W.Shale, 923T Steatite and 1148 T Serpentine 2015-16= No valid approved proposals 2016-17 = No valid approved proposals.	2012-13=684 T Lst, 2361 T W.Shale, 2013-14=3270 T Lst,3,2600 T W.Shale. 2014-15=4460 T Lst,, 10110 T W.Shale. 2015-16=1632 Lst, 9650 T W.Shale, 1000 T Serpentine. 2016-17 = 1900 T Dolomite, 1950 T W.Shale, 350 T Serpentine.
3q	General remarks of inspecting officers on method of mining etc.	Opencast semi mechanised method of mining	The mine is being worked by semi mechanised method of mining.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No valid proposals exists.	There is no generation of top soil, OB and Mineral reject.	
4b	Location of topsoil, OB and mineral reject dumps	No valid proposals exists for the year 2016-17.	There are no top soil and overburden dumps	
4c	Number of dumps within lease area and outside of lease area	No valid proposals exists for the year 2016-17.	None	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No valid proposals exists for the year 2016-17.	-
4e	Number of active and alive dumps.	No valid proposals exists for the year 2016-17.	None.
4f	Number of dead dumps.	No valid proposals exists for the year 2016-17.	None.
4g	Number of dumps established.	No valid proposals exists for the year 2016-17.	None.
4h	Whether Retaining wall or garland drain all along dumps are there.	No valid proposals exists for the year 2016-17.	There are no retaining wall and garland drains.
4i	Length of Retaining wall or garland drain all along dumps	No valid proposals exists for the year 2016-17.	-
4j	Number of settling ponds	No valid proposals exists for the year 2016-17.	Nil
4k	Specific comments of inspecting officer on waste dump management	No specific valid proposals exists for the year 2016-17.	There is no generation of waste material in the mine.

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 valid proposals exists for the year 2016-17.	The mineral is yet to exhaust.	
5b	Area under backfilling of mined out area	No valid proposals exists for the year 2016-17.	Nil.	

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No valid proposals exists for the year 2016-17.	There is no minedout area.
5d	Total area fully reclaimed and rehabilitated	No valid proposals exists for the year 2016-17.	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No valid proposals exists for the year 2016-17.	There is no minedout area as the mineral is yet to exhaust and thus there is no backfilling and reclamation.

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 valid proposals exists for the year 2016-17.	-	
6b	Area available for rehabilitation (ha) .	No valid proposals exists for the year 2016-17.	No area is available for rehabilitation.	
6c	afforestation done (ha).	No valid proposals exists for the year 2016-17.	-	
6d	No. of saplings planted during the year	No valid proposals exists for the year 2016-17.	-	
6e	Cumulative no .of plants	No information is available	Nil	
6f	Any other method of rehabilitation	No valid proposals exists for the year 2016-17.	None.	
6g	Cost incurred on watch and care during the year	No valid proposals exists for the year 2016-17.	No information was made available.	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D	No valid proposals exists for the year 2016-17.	No such area is available for reclamation and rehabilitation by backfilling.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No valid proposals exists for the year 2016-17.	Does not arise.
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No valid proposals exists for the year 2016-17.	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No valid proposals exists for the year 2016-17.	The area is yet to mature for making water reservoir.
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No valid proposals exists for the year 2016-17.	The area is not yet matured for reclamation and rehabilitation.
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No valid proposals exists for the year 2016-17.	-
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No valid proposals exists for the year 2016-17.	Does not arise.
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No valid proposals exists for the year 2016-17.	No waste land exists in the ML area.

6p	Compliance of environmental monitoring (core zone and buffer zone)	No valid proposals exists for the year 2016-17.	No monitoring is being done.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	No valid proposals exists for the year 2016-17.	There are no progressive closure plans carried out during the year 2016-17.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No valid proposals exists for the year 2016-17.	No grade wise sorting is done.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No valid proposals exists for the year 2016-17.	-	
7c	Different grade of mineral sorted out at mines.	No valid proposals exists for the year 2016-17.	None.	
7d	Any beneficiation process at mines .	No valid proposals exists for the year 2016-17.	None.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No valid proposals exists on mineral conservation and beneficiation for the year 2016-17.	There is no mineral loss either during the mining or disptach.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No valid proposals exists for the year 2016-17.	No top soil exists.	

8b	Concurrent use or storage of topsoil	No valid proposals exists for the year 2016-17.	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No valid proposals exists for the year 2016-17.	None.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No valid proposals exists for the year 2016-17.	No waste material is being generated.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No valid proposals exists for the year 2016-17.	The area is not yet matured for restoration , reclamation and rehabilitation.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No valid proposals exists for the year 2016-17.	There is no plantation done in the mine.
8g	Survival rate	No valid proposals exists for the year 2016-17.	-
8h	Water sprinkling on roads to control airborne dust	No valid proposals exists for the year 2016-17.	water sprinkling is being done on haul roads.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No valid proposals exists for the year 2016-17.	No aestetic beauty exists in and around the ML area.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	MR shall be submitted before 10th of every month in respect of preceding month. AR which shall be submitted before 1st July each year for the preceding Financial Year.	Submitted
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	To be furnished.	Furnished.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	To be furnished.	Furnished.
9d	Scrutiny of Annual return on afforestation	To be furnished.	Furnished to be nil.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	To be furnished.	Furnished to be nil.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	To be furnished.	Furnished to be nil.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	To be furnished.	Cost of production is Rs.148/-
9k	Scrutiny of Annual return on mining machineries	To be furnished.	No machinery is deployed and as such no information is furnished.

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 :
(M.Pratap.Reddy)

Indian Bureau of Mines