

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

Review and updation of Mining Plan REPORT

Hyderabad regional office

Mine file No : AP/KNL/LST-188/HYD

Mine code : 38APR11138

- (i) Name of the Inspecting : 25) SHRI IBRAHIM SARIF
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sri L Sreenivasulu, Lessee, sri Narayana Rao, QP
Official with
Designation
- (iv) Date of Inspection : 10-DEC-20
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : KOCHERUVU(6.621 HA)
- (b) **Registration NO.** :
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ANDHRA PRADESH
- District : KURNOOL
- Village : KOCHERUVU
- Taluka : KURNOOL
- Post office : KOCHERUVU
- Pin Code : 518222
- FAX No. :
- E-mail :
- Phone :
- (f) **Police Station** : DHONE
- (g) **First opening date** : 29-DEC-09
- (h) **Weekly day of rest** : SUN
2. **Address for** :
correspondance
3. (a) **Lease Number** : APR2806
- (b) **Lease area** : 6.62
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 26-NOV-29
4. **Mineral worked** : DOLOMITE Associated
LIMESTONE Main

5. Name and Address of the

Lessee : L.SRINIVASULU
MINE OWNER KURNOOL ANDHRA
PRADESH
Phone:
FAX :

6. Date of approval of Mining : MP modif under MCR 1960 10-AUG-15
Plan/Scheme of Mining : MP review under 17(1) MCR 2016 31-MAR-20

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No approved proposal for the year 21019-20	How ever the lessee has completed 4 nos DTH bore holes for 66m in 2019-20.	
1b	Exploration over lease area for geological axis 1 or 2	No approved proposal for the year 21018-19	Explored carried out under G1 area is 4.793 Ha & G2 area is 1.828 Ha	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No approved proposal for the year 21018-19	Lessee himself under the guidance of Qualified Person Expenditure incurred for Exploration is Rs 80000.00 (Including sampling and analysis)	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No approved proposal for the year 21018-19	Around 1.828 Ha to convert G2 to G1 scale	
1e	Balance reserve as on 01/04/20		12784 tonnes-111 category As on 01.04.2019. Subsequently Exploration by 10 DTH bore holes has been done in 2019 & 2020, the reserves and resources will be updated.	
1f	General remarks of inspecting officers on geology, exploration etc			Limestone formation of max 10m thickness is lying over Dolomite formation. NE-SW is the strike direction and dipping towards SE with dip amount ranging from 16 to 30 degree. Exploration in G1 & G2 scale had been carried out in entire lease area.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	D-D' and E-E' sections.	Working in D-D' and E-E' sections.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Approved proposal for benches only in mineral as top soil and over burden is not there.	Benches developed only in mineral	
2c	Stripping ratio or ore to OB ratio	Nil	Nil	
2d	Quantity of topsoil generation in m3	No approved proposal for 2019-20	Nil	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No proposal during the year. However as per earlier approved document it was proposed to develop 6 no. of	7 nos of pits developed in the lease area	
3b	Quantity of ROM mineral production proposed	No proposal	15,616 MT during 2019-20	
3c	Recovery of sailable/usable mineral from ROM production	No proposal	100%	
3d	Quantity of mineral reject generation	No proposal	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	NA	Threshold Value- CaO%>34%, MgO%<5%
3f	Quantity of sub grade mineral generation.	No proposal	Nil	

3h	Manual / Mechanised method adopted for segregating from ROM	No approved proposal for 2018-19	Nil during the year	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal during 2019-20	Nil	
3j	Provision of drilling and blasting in mineral benches	No proposal	JACK HAMMER drilling is carried out and blasting is being done.	Permission is obtained from DGMS to carry out deep drilling by Wagon machine
3k	Provision of mining machineries in mineral benches	No proposal during the year 2019-20	Excavator-0.9 m3-1no Excavator-0.65 m3-1no Dumpers-12 tonners-2 nos	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No proposal during the year 2019-20	Bench height of 8 to 12 meters is observed	Proposal is made in the present submission for reduction of bench height
3m	Total area covered under excavation/pits	1.79 Ha	2.657 Ha as on date of inspection as reported by lessee	Modified BG submitted for area put to use. Proposal is submitted in the present submission
3n	Ore to OB ratio for the pit/mine during the year.	No proposal	Nil	
3o	Total area put in use under different heads at the end of year	No proposal	3.073 Ha as on date of inspection as reported by lessee.	

3p	Production of ROM mineral during the last five year period as applicable	2014-15 = Lapse Period 2015-16 = 15930 tonnes 2016-17 = 13500 tonnes 2017-18 = 13500 tonnes 2018-19 = 10440 tonnes (As per Annexure-XII it is 19384 tonnes) 2019-20 = No Proposal	2014-15 = 15789 tonnes 2015-16 = Nil tonnes. 2016-17 = 12260 tonnes 2017-18 = 9695 tonnes 2018-19 = 13550 tonnes 2019-20 = 15616 tonnes
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3q	General remarks of inspecting officers on method of mining etc.	Mining is being carried out by mechanised means using HEMM. Bench height is on higher side
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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal during the year 2019-20	No waste generation. One dump for sub grade.	
4b	Location of topsoil, OB and mineral reject dumps		Sub grade Limestone stacking has been done within the Lease on Southern side of lease area	
4c	Number of dumps within lease area and outside of lease area	No proposal	One	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)		Within the UPL	It is temporary stack and will be removed as per demand from industry
4e	Number of active and alive dumps.	No proposal	One	

4f	Number of dead dumps.	No proposal	Nil
4g	Number of dumps established.	No proposal in the year 2019-20	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal in the year 2019-20	Nil
4j	Number of settling ponds	No proposal in the year 2019-20	Nil
4k	Specific comments of inspecting officer on waste dump management		No waste dump exists within the mining lease.

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 approved proposal for 2019-20	No area is matured for backfilling	
5b	Area under backfilling of mined out area		Does not arise as no area is matured for backfilling	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No approved proposal for 2019-20	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		No part of the lease area is matured for backfilling.	

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).	To be submitted	Not submitted	Violation was pointed out in this regard
6b	Area available for rehabilitation (ha) .	No approved proposal for 2019-20.	Nil	
6c	afforestation done (ha).	No approved proposal for 2019-20.	About 0.02 Ha	
6d	No. of saplings planted during the year	No proposal during the year	About 200 sapplings were planted	
6f	Any other method of rehabilitation	No proposal	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	No area is matured for backfilling	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation		No waste land is there within the lease area.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		No area is matured for backfilling and no mine closure activity is started so far	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	No grade wise sorting was proposed in 2019-20. Whatever ROM will be produced will be despatched.	15,1521 tonnes of ore is dispatched
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	no such sorting is done
7d	Any beneficiation process at mines	No proposal	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		No beneficiation activity is there in the lease area. To the extent possible low grade mineral is being utilised for optimum utilisation of mineral

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No approved proposal for 2019-20	Nil	
8b	Concurrent use or storage of topsoil	No approved proposal for 2019-20	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	small mineral reject stack is in the lease area, there is no waste,/ reject	

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	No area is backfiling
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	200 nos of saplings to be planted in 0.085 Ha	Planted on Southern side .Survival rate is very poor due to non-anailan
8h	Water sprinkling on roads to control airborne dust	to be submitted	water sprinkling arrangement to suppress the dust
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Green belt all along the 7.5 m safety zone needs to be developed.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	To be submitted	Submitted	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Nil, To be appointed	Not appointed	Violation was pointed out

9d	Scrutiny of Annual return on afforestation	200 sapplings	Above plantation is carried out.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	458 tonnes Graded Ore	Limestone stack in observed
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	COP- Rs. 160, SP- Rs.190, EMP- Rs.190	As submitted by lessee
9h	Scrutiny of Annual return on fixed assets	Rs. 8369500	As reported by lessee
9k	Scrutiny of Annual return on mining machineries	TIPPER 12.000 CUM 2 SHOVEL 0.600 CUM 1 SHOVEL 1.000 CUM 1 AIR COMPRESSOR 0.100 CUM/MN 1	As reported by Lessee is observed in the lease area

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 :

(SHRI IBRAHIM SARIF)

Indian Bureau of Mines