

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

MCDR INSPECTION REPORT

Hyderabad regional office

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

Mine code : 38APR11138

- (i) Name of the Inspecting : ~~P601~~) P.GURUVAIAH
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri L. Srinivasulu, Lessee.
Official with
Designation
- (iv) Date of Inspection : 18/10/2016
- (v) Prev.inspection date : 28/10/2015

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** : 29/12/2009
- (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** : 26/11/2029
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
Plan/Scheme of Mining

10/08/2015

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	4 Bore holes up to 30 m.	Nil	V/Lcum show cause notice issued to the party.
1b	Exploration over lease area for geological axis 1 or 2	G-1 axis	same axis	V/L cum show cause notice issued to the party.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified.	Nil	V/L cum show cause notice issued to the party.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not specified.	Nil	V/L cum show cause notice issued to the party.
1e	Balance reserve as on 01/04/20	64078	59678 Tonnes.	V/L cum show cause notice issued to the party.
1f	General remarks of inspecting officers on geology, exploration etc	4 Bore holes up to 30m.	Nil	V/L cum show cause notice issued to the party.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	In B-B Section sectional Aera 118 Sq. m	Same work carried out.	V/L cum show cause notice issued to the party.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not specified.	There is no top soil and O.B Limestone occurs 2-3m thickness on top.	The Limestone occurs on top 2-3m thickness below this dolomite is there.
2c	Stripping ratio or ore to OB ratio	1 : 0.12	! : 0.10	V/L cum show cause notice issued to the party.
2d	Quantity of topsoil generation in m3	there is very little top soil cover .	what ever top soil generated in the mine is utilised for the plantaion.	V/L cum show cause notice issued to the party.

2e	Quantity of overburden generation in m3	Not specified. Nil		V/L cum show cause notice issued to the party.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	In B-B section.and sectional area of 118 sq.m.	same work carried out.	V/L cum show cause notice issued to the party.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	In B-B section and sectional area of 118 sq.m.	same work done	V/L cum show cause notice issued to the party.
3b	Quantity of ROM mineral production proposed	6372 tonnes.	4400 tonnes.	V/L cum show cause notice issued to the party.
3c	Recovery of sailable/usable mineral from ROM production	90%	90%	V/L cum show cause notice issued to the party.
3d	Quantity of mineral reject generation	708 tonnes		V/L cum show cause notice issued to the party.
3e	Grade of mineral rejects generation and threshold value declared.	Not specified .	Nil	V/L cum show cause notice issued to the party.
3f	Quantity of sub grade mineral generation.	No proposal	Nil	V/L cum show cause notice issued to the party.
3g	Grade of sub grade mineral generation	Nil	Nil	V/L cum show cause notice issued to the party.
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal.	Manual	V/L cum show cause notice issued to the party.

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	V/L cum show cause notice issued to the party.
3j	Provision of drilling and blasting in mineral benches	Nil	Nil	Limestone (Calc Tuffa) is medium hard and hence, Excavator will remove and load in to dumpers.
3k	Provision of mining machineries in mineral benches	Excavator, Dumper.	Excavator, Dumper.	V/L cum show cause notice issued to the party.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench height 2.5	Bench height 2.5	V/L cum show cause notice issued to the party.
3m	Total area covered under excavation/pits	7080 cu.m	6372 cu.m	V/L cum show cause notice issued to the party.
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.12	1 : 0.12	V/L cum show cause notice issued to the party.
3o	Total area put in use under different heads at the end of year	yes	yes	V/L cum show cause notice issued to the party.
3p	Production of ROM mineral during the last five year period as applicable	2011-12 =18,496 tonnes.; 2012-13 =18,496 tonnes; 2013-14 =18,496 tonnes. 2014-15 = No proposal. 2015-16=6,372 tonnes.	2011-12= 8410 tonnes.; 2012-13=1581 tonnes.; 2013-14=7474 ; 2014-15=15,789 tonnes; 2015-16=4400 tonnes.	V/L cum show cause notice issued to the party.
3q	General remarks of inspecting officers on method of mining etc.	A category OTFM	A category OTFM.	V/L cum show cause notice issued to the party.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	708 cu .m		There is a soil thin veer of over burdn in the form of soil and interstitial clay.
4b	Location of topsoil, OB and mineral reject dumps	North east side of the mining lease.	North east side of the mining lease.	Lime stone dump and Dolomite dump located side by side on north east side of the M.L.
4c	Number of dumps within lease area and outside of lease area	one dump	one dump	Lime stone dump and Dolomite dump located side by side on north east side of the M.L.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not specified.	Nil	Lime stone dump and Dolomite dump located side by side on north east side of the M.L.
4e	Number of active and alive dumps.	One	One	Lime stone dump and Dolomite dump located side by side on north east side of the M.L.
4f	Number of dead dumps.	Nil	Nil	Lime stone dump and Dolomite dump located side by side on north east side of the M.L.
4g	Number of dumps established.	One	One	Lime stone dump and Dolomite dump located side by side on north east side of the M.L.
4h	Whether Retaining wall or garland drain all along dumps are there.	Small dump	Small dump.	Lime stone dump and Dolomite dump located side by side on north east side of the M.L.
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil	Lime stone dump and Dolomite dump located side by side on north east side of the M.L.
4j	Number of settling ponds	Nil	Nil	Lime stone dump and Dolomite dump located side by side on north east side of the M.L.
4k	Specific comments of inspecting officer on waste dump management	.074 ha during the plan period.	.012 ha	Lime stone dump and Dolomite dump located side by side on north east side of the M.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 proposal.	Nil	V/l cum show cause notice issued to the party.
5b	Area under backfilling of mined out area	No proposal.	Nil	V/l cum show cause notice issued to the party.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	Nil	V/l cum show cause notice issued to the party.
5d	Total area fully reclaimed and rehabilitated	No proposal.	Nil	V/l cum show cause notice issued to the party.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No proposal.	Nil	Mine is not matured for backfilling stage.

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).	yes	yes	V/l cum show cause notice issued to the party.
6b	Area available for rehabilitation (ha) .	Nil	Nil	V/l cum show cause notice issued to the party.
6c	afforestation done (ha).	60 plants in SE area of .085 Sq.m	Nil	V/l cum show cause notice issued to the party.
6d	No. of saplings planted during the year	60 Saplings	Nil	V/l cum show cause notice issued to the party.
6e	Cumulative no .of plants	60 plants.	Nil	V/l cum show cause notice issued to the party.
6f	Any other method of rehabilitation	No proposal.	Nil	V/l cum show cause notice issued to the party.

6g	Cost incurred on watch and care during the year	No proposal.	Nil	V/l cum show cause notice issued to the party.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D	No proposal.	Nil	V/l cum show cause notice issued to the party.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal.	Nil	V/l cum show cause notice issued to the party.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Nil	V/l cum show cause notice issued to the party.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal.	Nil	V/l cum show cause notice issued to the party.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Not specified.	Nil	V/Lcum show cause notice issued to the party.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	mechanical.	mechanical.	V/Lcum show cause notice issued to the party.
7c	Different grade of mineral sorted out at mines.	Not specified.	one grade.	V/Lcum show cause notice issued to the party.
7d	Any beneficiation process at mines .	No proposal.	Nil	V/Lcum show cause notice issued to the party.

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Rom is directly fed to the tippers by using JCB 0.9 cu. m.	Rom is directly fed to the tippers by using JCB 0.9 cu,m.	V/Lcum show cause notice issued to the party.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	V/Lcum show cause notice issued to the party.
8b	Concurrent use or storage of topsoil	Nil	Nil	V/Lcum show cause notice issued to the party.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	North east	Noth east	V/Lcum show cause notice issued to the party.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not specified.	Nil	V/Lcum show cause notice issued to the party.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not specified.	Nil	V/Lcum show cause notice issued to the party.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Nil	Nil	V/Lcum show cause notice issued to the party.
8g	Survival rate	Nil	Nil	V/Lcum show cause notice issued to the party.

8h	Water sprinkling not specified. Nil on roads to control airborne dust			V/Lcum show cause notice issued to the party.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Not specified	Except degraded land in the mine surroundings aesthetic beauty is good.	V/Lcum show cause notice issued to the party.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns			

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 :
(P.GURUVAIAH)

Indian Bureau of Mines