

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

MCDR inspection REPORT

Hyderabad regional office

Mine file No : AP/KNL/FE-72/HYD

Mine code : 30APR11039

- (i) Name of the Inspecting : PG01) P.GURUVAIAH
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : SRI I.SIVA REDDY, MINES MANAGER.
Official with
Designation
- (iv) Date of Inspection : 13/02/2018
- (v) Prev.inspection date : 10/12/2015

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : RANGAPURAM(12.481 HA)
- (b) **Registration NO.** :
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ANDHRA PRADESH
- District : KURNOOL
- Village :
- Taluka :
- Post office :
- Pin Code :
- FAX No. :
- E-mail :
- Phone : 08516273988
- (f) **Police Station** : BETHAMCHERAL
- (g) **First opening date** : 03/10/2006
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : FLAT NO: 13, PAMIDI TOWERS,
FIRST MAIN, GANDHI NAGAR
BANGALORE.
3. (a) **Lease Number** : APR2752
- (b) **Lease area** : 12.48
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 07/09/2026
4. **Mineral worked** : IRON ORE Main

5. Name and Address of the

Lessee : M/S LEO MINIG CO
FLAT NO;13,PAMIDI TOWERS,
FIRST MAIN, GSNDHI NAGAR,
BANGALORE. BANGALORE
KARNATAKA
Phone:
FAX :

Owner : M/S LEO MINING CO
FLAT NO:13, PAMIDI TOWERS,
FIRST MAIN, GANDHI NAGAR,
BANGALORE. KURNOOL ANDHRA
PRADESH
Phone:
FAX :

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	27/01/2012
Plan/Scheme of Mining	:	MP modif under 17(3) MCR 2016	13/01/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal.	Nil	Nil
1b	Exploration over lease area for geological axis 1 or 2	No proposal.	Nil	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified.	Nil	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	3 proposed DTH bore holes.	Nil	Voilation pointed out to the party.
1e	Balance reserve as on 01/04/20	0.6960 million tonnes.	0.6931 million tonnes.	-
1f	General remarks of inspecting officers on geology, exploration etc	3 DTH bore holes proposed during the year 2016-17	Nil	Voilation pointed out to the party.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	propesed in P P and O O sections 484-481	Same work carried out.	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	It is a float ore deposit the bench height is 3 m.	one pit with 15 x11 x3m	-
2c	Stripping ratio or ore to OB ratio	1 : 1.22	1 : 1.22	-
2d	Quantity of topsoil generation in m3	No proposal.	Nil	-
2e	Quantity of overburden generation in m3	12,222 cum.		-

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	It is a float one ore deposit the bench height is 3 m.	pit with 15 x11 x3m	-
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1 PIT	1 PIT	-
3b	Quantity of ROM mineral production proposed	10,500 Tonnes.	2,940 Tonnes	-
3c	Recovery of sailable/usable mineral from ROM production	10, 000 tonnes	2940 tonnes.	-
3d	Quantity of mineral reject generation	12,222 tonnes.	-	-
3e	Grade of mineral rejects generation and threshold value declared.	30 %Fe	30 % Fe	-
3f	Quantity of sub grade mineral generation.	No proposal.	Nil	-
3g	Grade of sub grade mineral generation	No proposal.	Nil	-
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised method	Mechanised method.	-
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	Nil	-
3j	Provision of drilling and blasting in mineral benches	No proposal.	Nil	-

3k	Provision of mining machineries in mineral benches	yes	yes	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3 m bench height	3 m bench height.	-
3m	Total area covered under excavation/pits	2.31 ha	1.50 ha	-
3n	Ore to OB ratio for the pit/mine during the year.	1 : 1.22	1 : 1.22	-
3o	Total area put in use under different heads at the end of year			

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	O.B and mineral rejects 12,222 cu.m.	-	There is no top soil dumping.
4b	Location of topsoil, OB and mineral reject dumps	The year-wise generated waste will be back-filled after maturity of the pits.	South west of the mining lease.	-
4c	Number of dumps within lease area and outside of lease area	one dump with in the lease.	one dump within the lease.	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Waste generated during conceptual period will be back-filled after maturity of the pits.	pits are not matured for back -filling.	-
4e	Number of active and alive dumps.	one dump.	one dump.	-
4f	Number of dead dumps.	No proposal.	Nil	-

4g	Number of dumps established.	No proposal.	Nil	-
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal.	Nil	-
4i	Length of Retaining wall or garland drain all along dumps	No proposal.	Nil	-
4j	Number of settling ponds	No proposal.	Nil	-
4k	Specific comments of inspecting officer on waste dump management	one existing dump will also be utilized for back-filling.	Area is not matured for back-filling.	-

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.	7614 cum.	12000 cum.	-
5b	Area under backfilling of mined out area	7614 cum.	12000 cum	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal.	Nil	-
5d	Total area fully reclaimed and rehabilitated	7,614 cum.	12,000 cum.	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.	7,614 cum.	12,000 cum.	-

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).	yes	yes	-
6b	Area available for rehabilitation (ha) .	0.63 ha	0.6 ha	-
6c	afforestation done (ha).	0.37 ha	0.60 ha	-
6d	No. of saplings planted during the year	200 no of plants.	90 no of plnts within the lease 100 no of plants out side lease.	-
6e	Cumulative no .of plants	1000 no plants.	1500 no of plants.	-
6f	Any other method of rehabilitation	No proposal.	Nil	-
6g	Cost incurred on watch and care during the year	Not specified.	Nil	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal.	0.60 ha	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal.	0.60 ha	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal.	Nil	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Nil	-

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal.	Nil	-
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal.	90 no of plnts planted within the mining leagse.	-
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal.	0.60 ha	-
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal.	Nil	-
6p	Compliance of environmental monitoring (core zone and buffer zone)	yes	yes.	-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	yes	yes.	-

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	10,000 tonnes.	2,940 tonnes.	Due to lack of demand production is less.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual.	Manual.	-
7c	Different grade of mineral sorted out at mines.	Not specified.	Nil	-

7d	Any beneficiation process at mines	No proposal.	Nil	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	manual sorting and screening is being practiced to improve the grade.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	There is no top soil.	Tere is no top soil generation.	-
8b	Concurrent use or storage of topsoil	No proposal.	what ever top soil generated in the mine is using for plantation.	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not specified	One O.B dump is existing in the south west side of the mining lease.	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	7,614 cum waste from existing dump.	12,000 cum utilised from existing dump. for restoring.	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	7,614 cum waste from existing dump.	12,000 cum utilised from existing dump. for restoring.	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	200 no of plants.	90 no of plants.	-

8g	Survival rate	200 no of plants.	50 no of plants.	-
8h	Water sprinkling on roads to control airborne dust	yes.	Water sprikling is being done to control airborne dust during vehicle movement.	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	YES.	Monthly Annual returns submitted.	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	yes given.	K.Prabhakar reddy,Minining Engineer.,S.Mohan kumar,Geologist. I.Siva kumar,Mines Manager.	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Not given.	land use pattere rn for area under pits,reclaimed,area,dumps details are not given.	-
9d	Scrutiny of Annual return on afforestation	yes	Planted 90 no of plants within the lease given. planted 100 no of plants out side mining lease given.	-
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	not given	Nil	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Yes given.	Yes given.	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Yes Given.	Exmine price=900/ Cost of prod=430/	-

9h	Scrutiny of Annual return on fixed assets	Not given.	Nil		-
9k	Scrutiny of Annual return on mining machineries	yes given.	Tipper Electric Tractor Electric	= 1 Non = 1 Non	-

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
MCDR17	Rule 11(1)	08/03/2018			

Date :

(P.GURUVAIAH)

Indian Bureau of Mines