

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

**Review and updation of Mining Plan REPORT**

**Hyderabad regional office**

**Mine file No :** AP/KNL/FE-75/HYD

**Mine code :** 30APR11043

- (i) Name of the Inspecting : **C\$10** ) **Ch.Suseela**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri. A.Ramakrishnaiah, Qualified Person  
Official with  
Designation
- (iv) Date of Inspection : 03/05/2019
- (v) Prev.inspection date : 16/06/2017

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **ARYA LAKSHMI STEEL PVT LT**
- (b) **Registration NO.** : **IBM/18104/2014**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address
- State : ANDHRA PRADESH
- District : KURNOOL
- Village : TAVISIKONDA
- Taluka : BETHAMCHERLA
- Post office : GUTUPALLI
- Pin Code : 518599
- FAX No. :
- E-mail :
- Phone :
- (f) Police Station : BETHAMCHERLA
- (g) First opening date : 23/11/2011
- (h) Weekly day of rest : SUN
2. Address for : TAVASIKONDA (V)  
correspondance BETHAMCHERLA (M)  
KURNOOL DIST
3. (a) Lease Number : APR3270
- (b) Lease area : 32.91
- (c) Period of lease : 20
- (d) Date of Expiry : 08/12/2031
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : M/s Shree Arya Lakshmi Steel Pvt. Ltd.  
D-201, Aditya Elite, BS  
Maktha, Somajiguda,  
Hyderabad HYDERABAD  
TELANGANA  
Phone:  
FAX :

Owner : U.BHARGAV  
D-201, Aditya Elite, BS  
Maktha, Somajiguda,  
Hyderabad, Telangana ST  
HYDERABAD TELANGANA  
Phone:  
FAX :

6. Date of approval of Mining :  
Plan/Scheme of Mining

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	The validity of the proposals of the mining plan expired on 31.3.2016. After that the Review of mining plan was submitted by the lessee on 2.6.2017 but rejected. Now the lessee has submitted the draft review of mining plan for approval which is under process. The mine was suspended on 12.9.2017.
1b	Exploration over lease area for geological axis 1 or 2	NIL	About 20.0 ha area has been explored under G2 category.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Applicable	The company itself has carried out exploration under the supervision of Geologist appointed by the company.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	About 12 ha	
1e	Balance reserve as on 01/04/20	NIL	Probable Reserves - 11, 48,265 tonnes (122) Resources - 931, 170 tonnes (222 +333)	

1f	General remarks of inspecting officers on geology, exploration etc	_____	_____	The rock formations exposed in the M L area belongs to Gulcheru Quartzites and Vempalli Dolomites of Cuddapah Basin and Banaganapalli Quartzites of Kurnool group. About 20 ha of ML area has been explored under G2 scale and the remaining area has been proposed to explore during the ensuing plan period.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	NIL	NIL	The Validity of the proposals of the mining plan expired on 31.3.2016. After that the Review of mining plan was submitted by the lessee on 2.6.2017 but rejected. Now the lessee has submitted the draft review of mining plan which was approved on 17.6.2019. The mine was suspended on 12.9.2017. 15 working pits are developed in NE-SW direction.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	NIL	Yes, the benches are under formation with a bench ht of 6m and width of 7-8 m	
2c	Stripping ratio or ore to OB ratio	NIL	NIL	
2d	Quantity of topsoil generation in m3	NIL	NIL	

2e	Quantity of overburden generation in m3	NIL	NIL	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	_____	_____	There are fifteen working pits besides the trial pits developed in the ML area along the strike direction as the deposit is of lenticular bodies of all dimensions including lenses and pockets.

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	NIL	There are 15 working pits in the mine but no mining operations are being carried out as the mine was suspended on 12.9.2017.	The validity of the proposals of the mining plan expired on 31.3.2016. After that the Review of mining plan was submitted by the lessee on 2.6.2017 but rejected. Now the lessee has submitted the draft review of mining plan which was approved on 17.6.2019. The mine was suspended on 12.9.2017.
3b	Quantity of ROM mineral production proposed	NIL	NIL	
3c	Recovery of sailable/usable mineral from ROM production	NIL	NIL	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	N.A	N.A	

3f	Quantity of sub grade mineral generation.	NIL	NIL	
3g	Grade of sub grade mineral generation	N.A	N.A	
3h	Manual / Mechanised method adopted for segregating from ROM	NIL	NIL	The ROM will be subjected to crushing and screening for getting the required size and grade.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NIL	
3j	Provision of drilling and blasting in mineral benches	NIL	NIL	
3k	Provision of mining machineries in mineral benches	NIL	NIL	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	NIL	Yes, 6m bench ht is proposed in the ensuing plan period	
3m	Total area covered under excavation/pits	NIL	1.8295 ha	
3n	Ore to OB ratio for the pit/mine during the year.	NIL	NIL	
3o	Total area put in use under different heads at the end of year	NIL	2.4519 HA	
3p	Production of ROM mineral during the last five year period as applicable	2014-15--27561 T, 2015-16--27498 T, 2016-17--NIL, 2017-18--NIL, 2018-19--NIL	2014-15--2095 T, 2015-16--1100 T, 2016-17--NIL, 2017-18--NIL, 2018-19--NIL	

3q	General remarks of inspecting officers on method of mining etc.	_____	_____	Open cast other than fully mechanised method is proposed for ensuing plan period. Earlier the mining plan was approved for manual method of mining.
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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)	NIL	There are two waste dumps existing in NW and SE side of ML area.	The validity of the proposals of the mining plan expired on 31.3.2016. After that the Review of mining plan was submitted by the lessee on 2.6.2017 but rejected. Now the lessee has submitted the draft review of mining plan which was approved on 17.6.2019. The mine was suspended on 12.9.2017.
4b	Location of topsoil, OB and mineral reject dumps	NIL	NIL	
4c	Number of dumps within lease area and outside of lease area	NIL	Two waste dumps within the lease.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NIL	Beyond UPL	
4e	Number of active and alive dumps.	NIL	Two active dumps	
4f	Number of dead dumps.	NIL	NIL	
4g	Number of dumps established.	NIL	NIL	

4h	Whether Retaining wall or garland drain all along dumps are there.	NIL	NIL	
4i	Length of Retaining wall or garland drain all along dumps	NIL	NIL	
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer on waste dump management	_____	_____	The validity of the proposals of the mining plan expired on 31.3.2016. Now the lessee has submitted the draft review of mining plan which was approved on 17.6.2019

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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.	NIL	NIL	
5b	Area under backfilling of mined out area	NIL	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NIL	NIL	
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	



5e	General remarks of inspecting officers on backfilling and reclamation etc.	_____	_____	The validity of the proposals of the mining plan expired on 31.3.2016. Now the lessee has submitted the draft review of mining plan for approval which was approved on 17.6.2019.
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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).	NIL	NIL	
6b	Area available for rehabilitation (ha) .	NIL	NIL	
6c	afforestation done (ha).	NIL	NIL	
6d	No. of saplings planted during the year	NIL	NIL	
6e	Cumulative no .of plants	NIL	NIL	
6f	Any other method of rehabilitation	NIL	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	NIL	NIL	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NIL	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	NIL	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	NIL	NIL
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	NIL	NIL
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	NIL	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	NIL	NIL

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	_____	_____	The validity of the proposals of the mining plan expired on 31.3.2016. Now the lessee has submitted the draft review of mining plan for approval which was approved on 17.6.2019.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NIL	NIL	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NIL	NIL	
7c	Different grade of mineral sorted out at mines.	NIL	NIL	
7d	Any beneficiation process at mines	NIL	NIL	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	_____	_____	The validity of the proposals of the mining plan expired on 31.3.2016. After that the Review of mining plan was submitted by the lessee on 2.6.2017 but rejected. Now the lessee has submitted the draft review of mining plan for approval which is under process. The mine was suspended on 12.9.2017.

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## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NIL	NIL	
8b	Concurrent use or storage of topsoil	NIL	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NIL	Yes, there are two waste dumps existing in the lease area.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NIL	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NIL	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	NIL	NIL	
8g	Survival rate	NIL	NIL	
8h	Water sprinkling on roads to control airborne dust	NIL	NIL	
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
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9a	Status of submission of Monthly and Annual returns	Online monthly and annaul returns are being submitted in time	Online monthly and annaul returns are being submitted in time	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	No Mining Engineer and Geologist. Manager- Sri Basha	No Mining Engineer and Geologist. Manager- Sri Basha	The validity of the proposals of the mining plan expired on 31.3.2016. Now the lessee has submitted the draft review of mining plan which was approved on 17.6.2019. The mine was suspended on 12.9.2017.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under Pits-0, Reclaimed area-0, dumps-0	Area under Pits-1.83 ha, Reclaimed area-0, dumps-0.25 ha	Party was advised to submit revised return.
9d	Scrutiny of Annual return on afforestation	NIL	NIL	
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	10000 Tonnes (ROM)	Seems to be correct.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NIL	NIL	
9h	Scrutiny of Annual return on fixed assets	0	0	
9k	Scrutiny of Annual return on mining machineries	NIL	NIL	

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**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

**Date :**

(Ch.Suseela)

Indian Bureau of Mines