

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

Review and updation of Mining Plan REPORT

Hyderabad regional office

Mine file No : AP/KNL/LST-193/HYD

Mine code : 38APR11175

- (i) Name of the Inspecting : **DP09**) **D.P.Ravi kumar**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : **SHRI K.RAMESH, MANAGING PARTNER**
Official with
Designation
- (iv) Date of Inspection : 20/09/2018
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PALKUR(2.647 HA)**
- (b) **Registration NO.** : **IBM/17657/2014**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : **ANDHRA PRADESH**
- District : **KURNOOL**
- Village : **PALKUR**
- Taluka : **KURNOOL**
- Post office : **PALKUR**
- Pin Code : **518176**
- FAX No. : **08516220089**
- E-mail : **lakshmitirumalaminerals@gr**
- Phone : **9440259613**
- (f) Police Station :
- (g) First opening date : 15/04/2013
- (h) Weekly day of rest : SUN
2. Address for : **LAKSHMI TIRUMALA MINERALS**
correspondance **Mg. Partner: Sri N.L.Madhusudhana MurthyR/o 9-1-**
R/o 9-1-
3. (a) Lease Number : **APR3312**
- (b) Lease area : **2.65**
- (c) Period of lease : **20**
- (d) Date of Expiry : **05/03/2032**
4. Mineral worked : **LIMESTONE** Main

5. Name and Address of the

Lessee : LAKSHMI TIRUMALA MINERALS
SRI N.L.MADHUSUHANA MURTHY
9-19-4/31, GANDHINAGAR
DHONE-581222 KURNOOL ANDHRA
PRADESH
Phone:
FAX :

Owner : LAKSHMI TIRUMALA MINERALS
9-19-4/31, GANDHINAGAR,
DHONE, KURNOOL DIST.
KURNOOL ANDHRA PRADESH
Phone:
FAX :

6. Date of approval of Mining : Fresh under rule 22 MCR1960 16/01/2012
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	None	None	Nil
1b	Exploration over lease area for geological axis 1 or 2	2.647 ha. upto 3.5 m depth	2.647 ha. upto 3.5m depth	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Lessee himself Not proposed.	Self Rs. 21000/- only	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Nil
1e	Balance reserve as on 01/04/20	51097 MT	62374 MT	Exploration has been carried out as per approved proposals.
1f	General remarks of inspecting officers on geology, exploration etc	Nil	Nil	Nil

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	West to east	As proposed	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches proposed	As proposed.	Nil
2c	Stripping ratio or ore to OB ratio	1:0.12	1.0.13	Nil
2d	Quantity of topsoil generation in m3	5165	4089	Nil
2e	Quantity of overburden generation in m3	6114.4	4810	Nil

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Nil	Nil	The mines was developed systematically as per the approved Mining Plan.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	Nil
3b	Quantity of ROM mineral production proposed	47265 MT	35988 MT	Nil
3c	Recovery of sailable/usable mineral from ROM production	95%	95%	Nil
3d	Quantity of mineral reject generation	5%	5%	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Below 30%	Below 30% Cao	Nil
3f	Quantity of sub grade mineral generation.	Nil	Nil	Nil
3g	Grade of sub grade mineral generation	NA	NA	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	No segragation from ROM Proposed and no segragation from ROM done.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA	Nil
3j	Provision of drilling and blasting in mineral benches	Jackhammer drilling & blasting	Jackhammer drilling & blasting	Nil.

3k	Provision of mining machineries in mineral benches	Nil	Nil	The mine was opencast manual mining.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Jackhammer drilling & blasting	Jackhammer drilling & blasting	Nil
3m	Total area covered under excavation/pits	1.02 ha	0.69 ha	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.13	1: 0.13	Nil
3o	Total area put in use under different heads at the end of year	1.432	0.76	Nil
3p	Production of ROM mineral during the last five year period as applicable	2013-14 9194.8 2014-15 9886.5 2015-16 9886.5 2016-17 9329.0 2017-18 8968.0	2013-14 4588 2014-15 4386 2015-16 1300 2016-17 14814 2017-18 10900	Nil
3q	General remarks of inspecting officers on method of mining etc.	The mine is open cast manual mine.	The mine is open cast manual mine.	The mine is opncast manual mine.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposed.	As proposed.	Nil
4b	Location of topsoil, OB and mineral reject dumps	South east part over area 35.5m X 15.5m	South east part over area 35.5m X 15.5m	Nil
4c	Number of dumps within lease area and outside of lease area	Two	Two	Nil

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	East side of the lease reea area	East side of the lease	Nil
4e	Number of active and alive dumps.	Two	Two	Nil
4f	Number of dead dumps.	Nil	Nil	Nil
4g	Number of dumps established.	two	two	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil	Nil	Nil
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil	Nil
4j	Number of settling ponds	Nil	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	Nil	Nil	The waste dumping is carried out as per proposal.

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.	Backfilling is not proposed	NA	Nil
5b	Area under backfilling of mined out area	Nil	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	Nil
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	Nil

5e	General remarks of inspecting officers on backfilling and reclamation etc.	Backfilling is NA not proposed.	Backfilling is not proposed.
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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).	Yes	Yes	Nil
6b	Area available for rehabilitation (ha) .	Not proposed	Not applicable	Nil
6c	afforestation done (ha).	Not proposed	Not applicable	Nil
6d	No. of saplings planted during the year	Not proposed	Not applicable	Nil
6e	Cumulative no .of plants	Nil	Nil	Nil
6f	Any other method of rehabilitation	Not proposed	NA	Nil
6g	Cost incurred on watch and care during the year	Not proposed	NA	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not proposed	NA	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not proposed	NA	Nil

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Not proposed	NA	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed	NA	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not proposed	NA	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	22 Plants	50Plants	Afforestation achieved .
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.024 ha	0.030 ha.	Afforestation done as proposed.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Plantation in barrier zone	Plantation in Barrier zone.	Plantation achieved as proposed.
6p	Compliance of environmental monitoring (core zone and buffer zone)	No proposals	NA	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Nil	NA	Nil

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral dispatched	ROM mineral dispatched	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	Nil
7c	Different grade of mineral sorted out at mines.	Proposed	As proposed	Nil
7d	Any beneficiation process at mines .	Nil	Nil	The mine is B category, opencast mine.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	None	None	None

Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Separate removal of topsoil is proposed	The generated top soil is dumped temporarily within the lease area and the same used for plantation.	Nil
8b	Concurrent use or storage of topsoil	Generated top soil in the mine is stored temporarily within ML area and utilised for plantation work.	Generated top soil in the mine is stored temporarily within ML area and utilised for plantation work.	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed	As proposed	Nil

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposals.	Stacked separately for future purpose.	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposals	Nil	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Afforstaion done on barrier zone	Affostation done on barrier zone	Nil
8g	Survival rate	80%	80%	Nil
8h	Water sprinkling on roads to control airborne dust	Proposed	as proposed, water sprinkling is being done on haul roads.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	None	None	None

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly returns submitted upto October-2018 and Annual return submitted for 2017-18.	Monthly returns submitted upto October-2018 and Annual return submitted for 2017-18.	Monthly returns submitted upto October-2018 and Annual return submitted for 2017-18.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Nil	Nil	Nil

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under Pit-Nil Reclaimed - Nil	Area under Pit 0.69 ha Reclaimed-Nil	Area is to be rectified as per status
9d	Scrutiny of Annual return on afforestation	50 plants	50 plants	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No Mineral reject generation was reported during theyear 2017-18	No generation ofsubgrade material was observed duirng 2017-18.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Stock-2144 MT	Stock-2144 MT	None
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale Value-200, Ex mine price-186	Sale Value-200, Ex mine price-186	Nil
9h	Scrutiny of Annual return on fixed assets	Nil	Nil	Nil
9k	Scrutiny of Annual return on mining machineries	Nil	Nil	Nil

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 :

(D.P.Ravi kumar)

Indian Bureau of Mines