

**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 : **RK13**) **A.V.Ramesh Kumar**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri G.Harendra Qualified Person
Official with
Designation
- (iv) Date of Inspection : 11/03/2023
- (v) Prev.inspection date : 20/09/2018

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PALKUR(2.647 HA)**
- (b) **Registration NO.** : **IBM/17657/2014**
- (c) Category : A Other than Fully Mech.
- (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 : 50
- (d) Date of Expiry : 05/03/2063
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 :

Mining Engineer

Name : K PAVAN KUMAR, Full Time
 Qualification : B TECH (MINING)
 Appointment/ : 09/05/2020
 Termination date

Geologist

Name : G HARENDRA, Full Time
 Qualification : MSC GEOLOGY
 Appointment/ : 01/06/2022
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	16/01/2012
Plan/Scheme of Mining	:	MP review under 17(1) MCR 2016	30/10/2018

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration proposed during the year 2022-23. However, 4 boreholes which are pending for drilling from the previous years.	Four boreholes were drilled during the year 2022-23.	The lessee has carried out exploration on G1 scale over entire potentially mineralised area.
1b	Exploration over lease area for geological axis 1 or 2	None	None	None
1c	Exploration Agencies and Expenditure in lakh rupees during the year	--	A total of Rs.1,50,000/- was incurred for the exploration.	No comments to offer.
1d	Balance area to be explored to bring Geological axis in 1 or 2	None	None	None
1e	Balance reserve as on 01/04/20	---	The reserves as on 1.4.2023 are 1,15,545 tonnes	No comments to offer.
1f	General remarks of inspecting officers on geology, exploration etc	---	The lessee has carried out the proposed exploration over entire potentially mineralised area.	No comments to offer.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	It was proposed to carry out excavation between gridlines E00-200 & N 150-250 during the year 2022-23.	Same was observed during the inspection.	No deviation.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	It was proposed to have separate benches in topsoil and mineral	Same was noticed during the inspection.	No deviation.
2c	Stripping ratio or ore to OB ratio	None	None	None
2d	Quantity of topsoil generation in m3	It was proposed to generate 841 cubic meters of topsoil during the year 2022-23.	No topsoil was generated during the year 2022-23.	As no topsoil as envisaged during excavation, there was Nil generation of topsoil.
2e	Quantity of overburden generation in m3	Nil	Nil	No comments
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	---	The lessee is carrying the development as per the approved mining plan document.	No comments to offer.

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	No deviation.
3b	Quantity of ROM mineral production proposed	22,325 tonnes during the year 2022-23.	Actual production reported during the year 2022-23 was 17,550 tonnes.	No comments to offer.
3c	Recovery of saleable/usable mineral from ROM production	It was proposed to sell to end users the entire ROM produced.	Same was confirmed during the inspection.	No deviation.
3d	Quantity of mineral reject generation	None	None	None
3e	Grade of mineral rejects generation and threshold value declared.	None	None	None

3f	Quantity of sub grade mineral generation.	None	None	None
3g	Grade of sub grade mineral generation	None	None	None
3h	Manual / Mechanised method adopted for segregating from ROM	None	None	None
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	None	None	None
3j	Provision of drilling and blasting in mineral benches	None	None	None
3k	Provision of mining machineries in mineral benches	None	None	None
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	4 meters	4 meters	No deviation
3m	Total area covered under excavation/pits	---	1.10 ha	No comments
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil	Nil
3o	Total area put in use under different heads at the end of year	---	Pit - 1.10 ha Infrastructure - 0.80 ha	No comments
3p	Production of ROM mineral during the last five year period as applicable	2018-19 - 24,700 tonnes 2019-20 - 25,189 tonnes 2020-21 - 25,553 tonnes 2021-22 - 25,223 tonnes 2022-23 - 22325 tonnes	2018-19 - 15,000 tonnes 2019-20 - 10,650 tonnes 2020-21 - 5935 tonnes 2021-22 - 22230 tonnes 2022-23 - 17550 tonnes	No comments to offer.

3q	General remarks --- of inspecting officers on method of mining etc.	The measure made by the lessee in the approved document for exploitation being implemented.	No comments to offer.
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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 for topsoil or waste as there is no generation of the same.	No topsoil or waste generated during the year 2022-23	No comments to offer.
4b	Location of topsoil, OB and mineral reject dumps	Not applicable	Not applicable	None
4c	Number of dumps within lease area and outside of lease area	Not Applicable	Not Applicable	Not Applicable
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not Applicable	Not Applicable	Not Applicable
4e	Number of active and alive dumps.	Not Applicable	Not Applicable	Not applicable
4f	Number of dead dumps.	Not Applicable	Not Applicable	Not Applicable
4g	Number of dumps established.	Not Applicable	Not Applicable	Not Applicable
4h	Whether Retaining wall or garland drain all along dumps are there.	Not Applicable	Not Applicable	Not Applicable
4i	Length of Retaining wall or garland drain all along dumps	Not applicable	Not Applicable	Not applicable
4j	Number of settling ponds	Not Applicable	Not Applicable	Not Applicable
4k	Specific comments of inspecting officer on waste dump management	Not Applicable	Not Applicable	Not Applicable

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 for reclamation was proposed	No reclamation measures were taken up during the year 2022-23	No area matured for reclamation.
5b	Area under backfilling of mined out area	None	None	None
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	None	None	None
5d	Total area fully reclaimed and rehabilitated	None	None	None
5e	General remarks of inspecting officers on backfilling and reclamation etc.	---	None	No area matured for reclamation during the year 2022-23.

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	None
6b	Area available for rehabilitation (ha) .	0.10 ha	0.10 ha	No comments
6c	afforestation done (ha).	0.10 ha	0.010 ha	None
6d	No. of saplings planted during the year	50 saplings	50 saplings	None
6e	Cumulative no .of plants	---	350 no.s	No comments
6f	Any other method of rehabilitation	None	None	None
6g	Cost incurred on watch and care during the year	---	Rs.50,000/-	None

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	None	None	None
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	None	None	None
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	None	None	None
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	None	None	None
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	None	None	None
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	None	None	None
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	None	None	None
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	None	None	None

6p	Compliance of environmental monitoring (core zone and buffer zone)	It was proposed to carry out monitoring of environmental parameters.	same was being done.	No comments
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	None	None	The lessee is implementing all the PMCP measure proposed in the approved document.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	The entire mineral produced is saleable to the end users.	The same was noticed during the inspection.	No deviation.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	It was proposed to take up manual sizing and sorting. A manual screen has been installed to seperate size wise (100-200 mesh, 200-250 mesh & + 250 mesh)	Same was noticed during the inspection.	No comments to offer.
7c	Different grade of mineral sorted out at mines.	It was proposed to produce BF grade.	Same was confirmed during the inspection.	No comments to offer.
7d	Any beneficiation process at mines	No beneficiation was proposed.	No beneficiation was noticed during the inspection.	No deviation.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	It was proposed to utilise the limestone for selling to end users	Same was confirmed during the inspection.	No comments to offer.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	It was proposed to generate 841 cubic meters of topsoil duirng the year 2022-23.	No topsoil generation was reported duirng the year 2022-23.	No comments to offer.
8b	Concurrent use or storage of topsoil	It was proposed to be utilised for plantation.	No topsoil was generated.	No comments.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	None	None	None
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	None	None	None
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	None	None	None
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Except for the plantation made by the lessee no other vegetation was noticed.	Same was confirmed duirng the inspection.	No comments.
8g	Survival rate	90%	90%	No comments
8h	Water sprinkling on roads to control airborne dust	It was proposed to control dust suppression by water sprinkling.	same was noticed duirng the inspection.	No comments to offer.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	---	None	The aesthetic beauty is on a average scale.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	submitted within timelines	Yes	No deviation.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per the annual return 2021-22, Sri Pavan Kumar was employed as Mining Engineer. The geologist column was kept blank. However, as per records, Sri Harendra was appointed as Geologist and a notice was also submitted. The lessee was advised to incorporate the same in the annual reurn.	However, as per records, Sri Harendra was appointed as Geologist and a notice was also submitted. The lessee was advised to incorporate the same in the annual reurn.	No comments to offer.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	---	Pit - 1.10. ha Infrastructure - 0.080 ha	No comments
9d	Scrutiny of Annual return on afforestation	100 saplings planted.	Confirmed duirng the inspection.	No comments
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	As per the Annual return 2021-22, 22,330 tonnes was reported as produced.	Same was confirmed duirng the inspection. During the year 2022-23, about 17,500 tonnes was produced duirng the inspection.	No comments.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The ex-mine price reported was Rs.#70/- per tonne.	same was confirmed duirng the inspection.	No comments

9h	Scrutiny of Annual return on fixed assets	None	None	None
9k	Scrutiny of Annual return on mining machineries	No machinery was reported in the annual return 2021-22.	However,A loader being used to excavate and load the mineral into the tractors.The lessee was advised to incorporate the same in the return.	No comments

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 :

(A.V.Ramesh Kumar)

Indian Bureau of Mines