

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

MCDR inspection REPORT

Hyderabad regional office

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

Mine code : 38APR11175

- (i) Name of the Inspecting : **AP03**) **A.Prabhakar Rao**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri N.L. MadhusudanaMoorthy lessee
Official with
Designation
- (iv) Date of Inspection : 15/03/2018
- (v) Prev.inspection date : 19/08/2016

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
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Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Between grid lines N50 TO N 1507E80-140 klateral extension was done upto earmark area	length 150 meters (East-West) Width 110 meters (North - South) height=1.50 meters	Except 7.50 meters buffer zone ,0.60 hect dump yard entire lease area o.b. i.e. 0.2 meter thickness was removed
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	NONE	Except 7.50 meters buffer zone ,0.60 hect dump yard entire lease area o.b. i.e. 0.2 meter thickness was removed stocked at dump yard which was earmarked for the purpose	NONE
2c	Stripping ratio or ore to OB ratio	A thin mantle vof soil cover which constitute as overburden amounts to be negligible ore to overburden ratio, 8968:973	10,900:0	NONE
2d	Quantity of topsoil generation in m3	NIL	NIL	NONE
2e	Quantity of overburden generation in m3	973.5 CUBIC METERS	NIL	NIL
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NONE	NIL	NONE

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	ONE	ONE	

3b	Quantity of ROM mineral production proposed	8965 TONNES	10900 TONNES	NIL
3c	Recovery of sailable/usable mineral from ROM production	90%	90 to 95%	
3d	Quantity of mineral reject generation	9%	NIL	NIL
3e	Grade of mineral rejects generation and threshold value declared.	NONE , NO mineral rejects are proposed	nil	none
3f	Quantity of sub grade mineral generation.	No sub grade mineral proposed	NIL	NONE
3g	Grade of sub grade mineral generation	NONE	NONE	NONE
3h	Manual / Mechanised method adopted for segregating from ROM	No segregation proposal	none	NONE
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NO	NO	NO
3j	Provision of drilling and blasting in mineral benches	NO	NO	NO
3k	Provision of mining machineries in mineral benches	No proposals	NIL	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Suitable proposed in the M.P,	Suitable proposed in the M.P,	
3m	Total area covered under excavation/pits	1.0331 HECT(For five years plan period)1	1.65 hectCT(For five years plan period)	NONE

3n	Ore to OB ratio for the pit/mine during the year.	1:0.12	1:0.12	NONE
3o	Total area put in use under different heads at the end of year	1.0331 HECT(For five years plan period)	1.65 hectCT(For five years plan period)	
3p	Production of ROM mineral during the last five year period as applicable	1)2013-14=9195t, 2)2014-15=9886t, 3)2015-16=9886t) 2016-17=9329t,5)2017-18=8968t	1)2013-14=45885t, 2)2014-15=4386t, 3)2015-16=850 t 4)2016-17=14814t,5)2017-18=10900t	NONE
3q	General remarks of inspecting officers on method of mining etc.	NIL	NIL	NIL

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	.2 to 0.5 m soil cover has been designated as over burden which has been meant for concurrent productive usage for afforestation	As per the proposal the top soil used for afforestation	none
4b	Location of topsoil, OB and mineral reject dumps	Soil is proposed to spread over 7.50 meters buffer zone for afforestation	As per the Soil is spread over 7.50 meters buffer zone for afforestation	
4c	Number of dumps within lease area and outside of lease area	one dump proposed with in the lease area	one dump was formed within the lease arersa for dumping purpose	none
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	South Eastern sidee between E220 AND E 250	As per the proposal South Eastern sidee between E220 AND E 250 formed	none
4e	Number of active and alive dumps.	one	ONE	

4f	Number of dead dumps.	NIL	NIL	NIL
4g	Number of dumps established.	NO	NO	NO
4h	Whether Retaining wall or garland drain all along dumps are there.	NONE	NONE	NONE
4i	Length of Retaining wall or garland drain all along dumps	NONE	NONE	NONE
4j	Number of settling ponds	NIL	NIL	NIL
4k	Specific comments of inspecting officer on waste dump management	NIL	NIL	NIL

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.	There is no proposal forpart or fulle extraction from mined outarea	NO	NONE
5b	Area under backfilling of mined out area	There is no proposal of concurrent restoration of minedout area top soil	NIL	NIL
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	There is no proposal of concurrent restoration of minedout area top soil	NIL	NIL
5d	Total area fully reclaimed and rehabilitated	THERE IS NO PROPOSALS	NIL	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NIL	NIL	NIL

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).	Annual report on have been given in PMCP	Lessee has not submitted the Annual Report on pmcp	The mining Plan including Progressive mine closure plan approved vide letter No AP/KNL/MP/L.ST-134/HYD dated 06.01.2012for a period of five years from 2013-14 to 2017-18 which expired on 31.3.2018 and the document has not been submitted so far for approval for the subsequent period.violation letter fort vilatiof Rule 11(1),11(4) of MCDR 2017issued to the lessee on 21.05.2018
6b	Area available for rehabilitation (ha) .	No proposal on NIL area availability for rehabilitation		

6c	afforestation done (ha).	The mining Plan including Progressive mine closure plan approved vide letter No AP/KNL/MP/L.ST-134/HYD dated 06.01.2012 for a period of five years from 2013-14 to 2017-18 which expired on 31.3.2018 and the document has not been submitted so far for approval for the subsequent period. violation letter for violation of Rule 11(1),11(4) of MCDR 2017 issued to the lessee on 21.05.2018	Afforestation carried out as per the proposals	NONE
6d	No. of saplings planted during the year	110 saplings proposed for year five years	110 saplings were planted on the buffer zone for five years	
6e	Cumulative no .of plants	110 SAPLINGS	120 SAPLINGS	60 SAPLINGS WERE SURVIVED
6f	Any other method of rehabilitation	No proposals for rehabilitation	NONE	NONE
6g	Cost incurred on watch and care during the year	RS 6000/	RS 6000/	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	There is no proposal of reclamation & Rehabilitation	NIL	NIL

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	There is no proposals of reclamation & rehabilitation by backfilling voids filled by waste/tailings There is no proposals of reclamation & rehabilitation by backfilling voids filled by waste/tailings	NIL	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No such proposals have been given	NIL	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No such proposals have been given	NIL	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No such proposals have been given	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No such proposals have been given	NIL	NIL
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No such proposals have been given	NIL	NIL
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No such proposals have been given	NIL	NIL

6p	Compliance of environmental monitoring (core zone and buffer zone)	No such proposals have been given	NIL	NIL
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NIL	NIL	NIL

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Proposed dispatch of the mineral is 8968 tonnes	10900 TONNE4S	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No grade wise sorting proposals were given	NIL	
7c	Different grade of mineral sorted out at mines.	There is no beneficiation proposals	NIL	
7d	Any beneficiation process at mines	There is no beneficiation proposals	NIL	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NIL	NIL	NIL

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	The topsoil is concurrently proposed for afforestation in 7.50 meters buffer zone	Not much top soil is generated as the mine is not fully developed to the extent it was proposed	NIL

8b	Concurrent use or storage of topsoil	The topsoil is concurrently proposed for afforestation in 7.50 meters buffer zone	As proposed removed top soil is spread over 7.50 meters buffer zone for afforestation
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	There is no proposals of separate overburden waste rock and mineral rejects	NIL
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	There is no proposals for reclamation & rehabilitation	NIL
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	There is no proposals for reclamation & rehabilitation	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	110 SAPLINGS WERE PROPOSED	120 SAPLINGS WERE PLANTATION WAS CARRIED OUT
8g	Survival rate	100	120
8h	Water sprinkling on roads to control airborne dust	Sprinkling water on haul roads was proposed	Sprinkling water on haul roads was done
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Afforestation in 7.50 meters buffer zone is proposed to add aesthetic beauty in and around the mine	As for the proposals plantation was carried out

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	2017-18 received from the lesseeMonthly Returns upto March 2018 AND Annual Return for the year	Found in order	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not indicated	Not indicated	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Mining operations covered 2.647 hect , earmarked dump 0.60 hectars	Mining operations covered 1.65 hect , earmarked dump 0.60 hectars	
9d	Scrutiny of Annual return on afforestation	50 no. saplings planted during year	the same was observed	
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	Category	The same was observed	
		Opening stock		
		Production		
		Closing stock (in tonne) (in tonne) (in tonne)		
		(a) Open Cast Workings		
		2274.000		
		10900.000		
		2144.000		

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Grade-wise production, Despatches, Stocks and Ex-mine prices of Processed ore(LIMESTONE) Grades Dispatches Closing Ex-mine Opening stock Grade openingstock in tonnes production	Sale value RS/200/tonne, Exmine price RS 200/tonne Cop RS 186/tonne	
		(d) BF		
		2274.000		
		10900.000		
		11030.000		
		2144.000		
		200.00		
9h	Scrutiny of Annual return on fixed assets	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 :

(A.Prabhakar Rao)

Indian Bureau of Mines