

TMIS DATABASE FOR MCDR INSPECTION (MANUAL)

1(i)	Mine File No.	AP/NLR/Qtz-41
(ii)	Mine Code No.	54 APR 150 58
(iii)	Date of Inspection	26.10.2016
(iv)	Name of Mine	Sri Lakshmi Narayana Mining & Company Quartz, Feldspar & Vermiculite Mine.
(v)	Name of the lessee with address	Smt. K.Sobha, Proprietor, M/s Sri Lakshmi Narayana Mining & Company, East Street, GUDURU (Town , Mandal & PO) SPSR Nellore District, PIN- 524 101.
(vi)	Name of owner with address & Phone	-do-
(vii)	Lease area in Ha.	16.72 ha.
(viii)	Date of execution	04.03.1996
(ix)	Expiry date	03.03.2016
(x)	Date of first opening	06.06.1997
(xi)	Earlier two dates of inspection	i) 12.08.1998 ii) 15.05.2015
(xii)	Name & designation of the Inspecting officer with ID No.	D.P.Ravikumar AMG
(xiii)	Name & Designation of mine Official accompanying	Shri K.Chandrasekhar Reddy, Party 's representative.
(xiv)	Mine address	
	State	Andhra Pradesh
	District	Nellore
	Village	Mekanur
	Mandal	Gudur
	Post Office	Mekanur
	Police Station	Gudur
	Pin code	-
	Fax	-
	E-mail	-
(xv)	Type of Mine (OC, UG, BOTH) Working/Non-Working	OC- working
(xvi)	Weekly day of rest	Sunday
(xvii)	Date of AMP/SMP	09.08.1995

2. LAND DETAILS (WITHIN LEASE AREA)

Code	FOREST	Area (Ha)
33	Total Forest	Nil
1	Reserve Forest	
2	Protected forest	
3	Forest unclassified	
4	Forest sanctuary	
5	Forest national park	
6	Forest mineralised	
7	Forest non-mineralised	
19	Degraded land by pit	
20	Degraded land by dump	
23	Degraded land by road	
25	Degraded land by plant, Building, Town	
31	Land acquired	

Code	NON-FOREST	Area (Ha)
34	Total Non-Forest	16.72
8	Private land	16.72
9	Agricultural irrigated land	-
10	Agricultural non-irrigated land	-
12	Govt. grazing land	-
13	Govt. waste land	-
14	Govt. other land	-
15	Mineralised	-
16	Non-mineralised land	-
21	Degraded land by pit	0.32
22	Degraded land by dump	0.015
24	Degraded land by road	-
26	Degraded land by plant, Building, Town	-
32	Land acquired	16.72

3. MINERAL

Main Mineral(s)	Associated Mineral(s)	Captive Use (Yes/No)	End Product	Non captive use		Remarks
				Domestic (Yes/No)	Export (Y/N)	
Quartz, Feldspar & Vermiculite	-	-	0	Yes	N	0

4. MINING ENGINEER/GEOLOGIST DATA (APPOINTED UNDER RULE-42 OF MCDR, 1988) AND MINES MANAGER (appointed under MMR, 1961)

Status	Name	Designation	Educational Qualification	Date of Appointment	Address
Agent	0				
Mining Engineer/ Geologist Manager	None	None	NA	NA	NA

5. EXPLORATION**a) Exploration carried out as on 1.4. 2016**

No .of boreholes	0	No .of pits	0	No. of trenches	0
Grid interval(m)	0	--		--	0
Max. depth(m)	0	Max. depth(m)	0	Max. Length(m)	0
Min. depth(m)	0	Min. depth(m)	0	Min. Length(m)	0
Total meterage	0	Total meterage	0	Total Length(m)	0

6. EXTENT OF OPEN-PIT DEVELOPMENT

Pit No.	Pit Size	No of OB Bench	Ht. of Bench (m)	Width (m)	No. of Benches In ore	Hei- Ght (m)	Width (m)	Pit Depth (m)	Top RL (m)	Botto mRL (m)	Overall Pit slope
1	40x30x20	01	1.0	2	01	3.0	2.0	3.0	-	-	-
2	10x10x10	01	0.5	2	01	2.0	2.0	2.0	-	-	-
3	10x10x10	01	0.5	2	01	2.0	2.0	2.0	-	-	-
4	10x10x10	01	0.5	2	01	2.0	2.0	3.0	-	-	-
5	10x05x05	01	0.5	2	01	2.0	2.0	3.0	-	-	-
6	15x10x10	01	0.5	2	01	2.0	2.0	3.0	-	-	-
7	10x05x05	01	0.5	2	01	2.0	2.0	3.0	-	-	-
8	10x05x05	01	0.5	2	01	2.0	2.0	3.0	-	-	-
9	10x05x05	01	0.5	2	01	2.0	2.0	3.0	-	-	-
10	10x05x05	01	0.5	2	01	2.0	2.0	3.0	-	-	-
11	15x15x10	01	0.5	2	01	2.0	2.0	3.0	-	-	-
12	15x15x10	01	0.5	2	01	2.0	2.0	3.0	-	-	-
13	10x05x05	01	0.5	2	01	2.0	2.0	3.0	-	-	-
14	20x05x05	01	0.5	2	01	2.0	2.0	3.0	-	-	-
15	20x10x05	01	0.5	2	01	2.0	2.0	3.0	-	-	-
16	40x10x05	01	0.5	2	01	2.0	2.0	3.0	-	-	-
17	10x05x05	01	0.5	2	01	2.0	2.0	3.0	-	-	-
18	05x04x04	01	0.5	2	01	2.0	2.0	3.0	-	-	-
19	10x05x05	01	0.5	2	01	2.0	2.0	3.0	-	-	-
20	10x05x05	01	0.5	2	01	2.0	2.0	3.0	-	-	-

7. REHABILITATION OF QUARRIES

Quarry / Open pit

Year	Area Broken (Hect.)	Area Reclaimed	Area Matured For reclamation	% of reclamation	Area Rehabilitated			Total Area Rehabilitated
					BF	WR	OM	
1) Cumulative as on 1.4.2015	0.32	Nil	Nil	Nil	Nil	Nil	Nil	Nil
2) During the previous year	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
3) Cumm. As on date of inspection on	0.32	Nil	Nil	Nil	Nil	Nil	Nil	Nil

BF= Back filled; WR = Water reservoir; OM = Other means; Remarks = Under remarks give post mining land use of the area reclaimed.

8. CHARACTERISTICS OF WASTE DUMP AND TOP SOIL DUMP

- A) OB Dump= 1 A)Area= 0.015 B)Height=0.5 M C)Capacity cu.m = 75
 B) Topsoil dump=NA A)Quantity generated =NA B)Used = NA

9. OVERBURDEN AND WASTE GENERATED

OB Removal

Year	OB removed In previous Year(cu.m)	Cumulative O.B Removed till end of Previous year (cu.m)	Ore: ratio Previous year (Total cum)	OB -	Whether Dumping on Mineralized Ground(Y/N)	Remark, if Dumped on Mineralized Ground
2015-16	0	0	0		N	0

10. PRODUCTION & RESERVE

- a) Reserve as on 1.4.2016

Name of Mineral	Proved		Probable	Grade	Possible		Total	
	Qty.(t)	Grade			Qty.(t)	Grade	Qty.(t)	Grade
Quartz	11100	99	22200	99	33300	99	66600	99

* The updated reserves are not furnished due to non- receipts of returns, The violation of rule 45(5)(a)(viii) & (b) is being pointed out. (The draft violation is being sent to RCOM, IBM, Hyderabad for further action).

b) Annual production

Year	Minerals	Production(t)	Dispatches/Sale	Closing stock(t)
2010-11	Quartz	1600	1860	69
	Feldspar	335	--	510
	Vermiculite	--	--	100
2011-12	Quartz	1800	1460	409
	Feldspar	300	860	04
	Vermiculite	160	200	60
2012-13	Quartz	710	619	500
	Feldspar	650	340	314
	Vermiculite	560	230	390
2013-14	Annual return not received.			
2014-15	Vermiculite	2455	1400	1105
	Quartz	2429	1522	948
	Feldspar	314	Nil	314
2015-16	Annual return not received.			

* The updated reserves are not furnished due to non- receipts of returns. The draft violation letter for rule 45(5)(a)(viii)(45(5)(b)(viii) is being sent to RCOM, IBM, Hyderabad for further action.

11. SUB-GRADE MINERAL AND MINERAL REJECT

a) Sub-grade mineral = NIL

Name of Mineral		Quantity generated	Quantity Consumed	% utilisation	Quantity Stacked	Nature of Utilization	Grade of Sub-grade
Quartz	Cumulative at the end of previous Year 1-4-2016	NIL	NIL	NIL	NIL	NIL	NIL
	During previous year	NIL	NIL	NIL	NIL	NIL	NIL
	Cum. as on date of inspection	NIL	NIL	NIL	NIL	NIL	NIL

12. RECLAMATION/REHABILITATION OF WASTE DUMP-- Area : ____0____ (ha)**13. PLANTATION**

Plantation	Inside mining lease			Outside mining lease		
	No.of Trees	Area in Hect	Rate of Survival	No.of Trees	Area in Hect.	Rate of survival
1. Already carried out up to the end of previous year – cumulative	350	0.02	80	NIL	NIL	NIL
2. During the previous year	-	0.007	80	NIL	NIL	NIL
3. As on date of inspection(cumulative)	350	0.37	80	NIL	NIL	NIL

PART – II :: TECHNICAL DETAILS/COMMENTS

1. Details about average employment

Maximum number of persons employed on any day during the year

Classification	Direct	Contract	Total	Av.no of Days worked	Opencast / Underground
Managerial	0	0	0	253	0
Supervisory	0	0	0		0
Workers	17	0	17		OC
Ministerial	0	0	0		0
Employment in Plant	0	0	0		0
Others	0	0	0		0
Total	17	0	17	253	OC

* AR for the year 2015-16 not received. The above details furnished from Annual return 2014-15.

2. Community Development plan (in and around the mines)

Expenditure in Rs.

Sl. No.	General	Proposed For previous year (in Lakhs)	Proposed For current year (in Lakhs)	Incurred In previous year (in Lakhs)	Incurred so far (in Lakhs)	Remarks
1	2	3	4	5	6	7
1a	Housing					
1b	Water Supply					
1c	Sanitation					
1d	Health					
1e	Safety	NIL				
1f	Medical facility					
2	Training					
3	Employment					
4a	Public Transport					
4b	Roads					
4c	Communication					
4d	Electricity					
5a	Recreation					
5b	Sports activities					
6	Environment Management					
7	Others				30,000	Donation for festivals in the village
	Total				30,000	

3. Status of compliance of MC DR 1988, including therewith the rectification of the out standing violation of rules.

The last MCDR inspection was carried out on 15.05.2015 and contravention of rule 12(3), 13(1), 23 F(3) , 42(1)(b)(ii), 45(1)(a)(viii) & 45(1)(b)(viii) were observed, accordingly draft violation letter was sent to RCOM, IBM, Hyderabad for further action. Lessee complied the rule 45(1)(a)(viii) & 45(1)(b)(viii).

During current inspection, contravention of rule 12(3), 13(1), 23 F(3) , 42(1)(b)(ii), 45(1)(a)(viii) & 45(1)(b)(viii) have been observed and accordingly draft violation letter is being sent to RCOM, IBM, Hyderabad for further action.

4. A note on justification in case of suspension of mining operation under Rule 13(2) or prohibition of deployment of any person under Rule 56 of MCDR 1988, if recommended.

Stoppage of mining operations under rule 13(2) or 56 of MCDR 1988 is not recommended for the present.

5. Scientific Mining.

Items	Proposal	Actual work done	Remarks
A. Exploration (Rule 13)			
a. Type of prospecting & exploration i.e., pitting, drilling etc. b) Total area covered	-	The existing pits were developed to win the deposit.	
B. Working (Rule – 13)			
a. Number and size of each pit (LxWxH)	-	1) 40x30x20 2) 10x10x10(3pits) 3) 10x10x10 4) 10x10x10 5) 10x50x5 6) 15x10x10 7) 10x5x5 8) 10x5x5 9) 10x5x5 10) 10x5x5 11) 15x15x10 12) 15x15x10 13) 10x5x5 14) 20x10x05 15) 20x10x05 16) 40x10x05 17) 10x05x05 18) 05x04x04 19) 10x05x05 20) 10x05x05	The validity of approved mining plan expired on and no further SOM is submitted. As such violation of rule 12(3) is being pointed out. The status of existing pits furnished.
b. Bench size (LxWxH) length can be defined as regular/ irregular c. Ore to waste ratio pit-wise, if possible, otherwise for mine	-	-	-
d. Total area covered under excavation/pits	--	0.32	-

C. Waste disposal(Rule 13)	0	0	0
a. Location of dumps	0	0	0
b. Method of dumping whether advancing/ retreat	0	Advancing	0
c. Total area covered under waste dump	0	0	0
d. No.and size of each waste dump with No.of steps/lift/bench	0	0	0
e. Yearly generation of waste quantity	0	0	0

6. Conservation of Mineral – both quantitative and qualitative.

Beneficiation (Rule 20 and 26)	
Efforts for improving low grade and sub-Grade mineral	Manual sorting & picking. -do-
Efforts for improving percentage of Recovery of ore.	
Mineral (Rule – 15)	
No.of benches in ore and waste	One in Ore; Nil in waste.
Percentage of recovery of ore pit-wise w.r.t ROM and total material	ROM 75% recovery , Total Material 60%
Sub-grade mineral/fines(Rule – 16)	
Separate stacking from waste	No generation of sub-grade mineral
Location of stacking	NA
Total area covered for stacking	NA
No. and size of each stack	NA
Quantity of yearly generation and total Quantity available during inspection with Grade	NA

7. Environment Management – both quantitative and qualitative.

A. Land environment

a. Landscape	Uneven flat and elongated rocky terrain sloping north to south.
b. Aesthetic environment	There is no aesthetic environment worth mentioning.
c. Soil and land use pattern	Soil cover found surrounding the outcropping quartz deposit to a depth of 1m. Land use pattern consisting of pits & dumps.
d. Agriculture	There is no agriculture present in the lease area.
e. Forest (flora and fauna)	Non-forest land, no flora & fauna.
f. Vegetation	There is no vegetation except few standing thorny type of trees.
g. Public building, places and monuments (protected, historical), place of worship and places of tourist importance.	No public building, places and monuments present.
B. Water environment	
a. Surface water	No surface water streams or reservoir is present.
b. Ground water	Ground water is not encountered.
c. Quality of water	Not applicable.
C. Air environment	
a. Noise	Mine non-working. It is a cat.B manual mine – no impact.
b. Air	-do-
c. Climatic condition	Area falls in semi-arid tropical zone. Max. and min. temperature recorded in May & December are 49°C and 22°C respectively.
D. Socio economic environment	
a. Social and demographic profile	The main occupation of villagers is agriculture.
b. Recommending health and safety	Nothing specific except provision of safety appliances.
c. Human settlement	No human settlements in mining lease area, but in buffer zone population of about 4000 are present.
d. Recreational facility	NIL – the nearest town is Guduru where recreation is available.

8. Scrutiny of annual returns on cost of operation, reserves, production, pit's mouth value, stock, land use pattern and fixed assets.

The Annual Return for 2015-16 not submitted, However, the AR for 2014-15 has been scrutinized. The comments are as follows: (Mine is not working)

Cost of Production : Rs. 500/-
Reserves : Not furnished,
Production 2014-15 : 2455 t (vermiculite)
Stock : 1105 t
land use pattern : Consists of degradation of area by 20 pits. No top soil exists.
Fixed assets : NA.

PART – III :: PERFORMANCE OF MINE OWNER

(In case of lease expiring within 2 years – as per guidelines)

Not applicable.

PART – IV :: PROPOSAL FOR FURTHER ACTION FOR

- a) Indian Bureau of Mines (any issue related to CGPB, SGPB, assistance, consultancy, annual Programme and studies etc.) : Nil
- b) The State Government (illegal mining, mining dispute, infrastructure, mineral based industry, mineral policy & etc.) : The permanent boundary pillars of the lease area were not found. Hence necessary action may please be taken for getting the permanent boundary pillars fixed to demarcate the lease boundary.
- c) The Central Government (infrastructure development, mineral policy and legislation, mineral based industry & etc.) : Nil

Date: 25.11.2016.

(D.P.RAVIKUMAR)
Assistant Mining Geologist
Indian Bureau of Mines

Draft

Government of India
Ministry of Mines
Indian Bureau of Mines
Office of the Regional Controller of Mines

Hyderabad,
Date:

No. AP/NLR/Qtz-41

To

Smt. K.Sobha, Proprietor,
M/s Sri Lakshmi Narayana Mining & Company,
East Street,
GUDURU (Town , Mandal & PO)
SPSR Nellore District,
PIN- 524 101.

Sub : Violation of Provisions of MCDR 1988 in respect of your Sri Lakshmi Narayana Mining & Company **Quartz, Feldspar & Vermiculite Mine** in SPSR Nellore district of State Andhra Pradesh over an extent of 16.72 ha. reg.

Dear Madam,

The following provisions of Mineral Conservation and Development Rules, 1988 were found violated in your above mine during inspection on 26.10.2016 by D.P.Ravikumar, Assistant Mining Geologist, Indian Bureau of Mines, Sub-Regional Office, Nellore, accompanied by your son Shri K.Sai Charan Reddy.

Rule No.	Nature of violation observed
12(3)	The Scheme of Mining should have been submitted to the Competent authority at least one hundred twenty days before the expiry of the five years period, for which it was approved on the last occasion. The Mining Plan for above mine was approved on 09.08.1995 for a period of five years. The proposed period of approved Mining Plan expired and no Scheme of Mining was submitted for the subsequent periods so far.
13(1)	Mining operations should have been undertaken in accordance with the approved Mining Plan/ Scheme of Mining. Since you have no approved Scheme of Mining for your above mentioned Mine, it is evident that the Mining operations are not being carried out in accordance with the approved Scheme of Mining.
23 F(3)	The Financial Assurance has not been submitted as required under the rule
42(1)(b)(ii)	A part time mining engineer or a full time person to be employed in terms of the provisions of sub-rule (6) has not been employed as required under the rule.
45(5)(a)(viii)	Monthly returns in form F-8, since January 2015 onwards have not been submitted to the Regional Controller of Mines, IBM, Secunderabad so far as required under this rule.
45(5)(b)(viii)	Annual return in form H-8 for the year from 2013-14 & 2015-16 have not been submitted to the Regional Controller of Mines, IBM, Secunderabad so far as required under this rule.

02. In this connection, it is brought to your notice that the above violations constitute an offence punishable under Rule 58 of MCDR 1988.

03. You are advised to rectify the above violations immediately and intimate the position to this office within 45 (forty five) days from the date of issue of this letter.

Yours faithfully,

(PANKAJ KULSHRESTHA)
Regional Controller of Mines

N.O.O.:

Copy for kind information to :-

1. The Controller of Mines (SZ), IBM, Bangalore.
2. The Director of Mines & Geology, Govt. of Andhra Pradesh, 8 th floor, BRKR Bhawan, Hyderabad.
3. The Assistant Director, Dept. of Mines and Geology, Govt. of Andhra Pradesh, D.No. 26-3-457/1, 1 st Floor, C.Kalyan Complex, Near SBI, BV Nagar, Mini bypass road, Nellore.
4. The Assistant Mining Geologist, IBM, Nellore.

(PANKAJ KULASHRESTA)
Regional Controller of Mines

Government of India
Ministry of Mines
Indian Bureau of Mines

TelFax No. 0861-2327294
Mail Id. ibmnlr@yahoo.co.in
ibmnlr@gmail.com

D.No.26-II-830, Flat No.86,
8th Cross Road, Jyothi Nagar,
Vedayapalem, AK Nagar (PO),
Nellore-524004.(A.P)
Dated 25.11.2016.

AP/NLR/Qtz-41

To

The Regional Controller of Mines
Indian Bureau of Mines
Secunderabad.

Sub: MCDR inspection report of Sri Lakshmi Narayana Mining & Company **Quartz, Feldspar & Vermiculite Mine** in Mekanur village, Gudur Mandal, SPSR Nellore district, Andhra Pradesh owned by M/s Sri Lakshmi Narayana Mining & Company,

Sir,

The above inspection report by D.P.Ravikumar, Assistant Mining Geologist in respect of his inspection on 26.10.2016 is forwarded herewith.

02. Violations of MCDR 1988 have been found. The draft violation letter is enclosed herewith for your kind information and further action.

03. Further action is to be taken as below:

- | | | | |
|----|------------------------|---|---|
| a) | Indian Bureau of Mines | : | Nil |
| b) | The State Government | : | The permanent boundary pillars of the lease area were not found. Hence necessary action may please be taken for getting the permanent boundary pillars fixed to demarcate the lease boundary. |
| c) | The Central Government | : | Nil |

Yours faithfully,

Encl: 1) MCDR Inspection report.
2) Draft violation letter.

(D.P.RAVIKUMAR)
Assistant Mining Geologist
Indian Bureau of Mines

