

**TMIS DATABASE FOR MCDR INSPECTION (MANUAL)**

1(i)	Mine File No.	AP/NLR/MC-359
(ii)	Mine Code No.	41 APR 15111
(iii)	Date of Inspection	02.06.2016
(iv)	Name of Mine	Sree Saikrishna Mica, Feldspar, Quartz & Vermiculite mine
(v)	Name of the lessee with address	Smt. G.Suseela Devi, W.15/288, Valayanandapuram, GUDUR-524101, SPSR Nellore (Dist) A.P.
(vi)	Name of owner with address & Phone	Smt.G.Suseela Devi, Sree Saikrishna Mica mine, Perumallapadu(V), Utukur (PO), Sydapuram(M),Nellore Dt.
(vii)	Lease area in Ha.	3.50 Ha.
(viii)	Date of execution	25.4.2008
(ix)	Expiry date	27.8.2022
(x)	Date of first opening	6.10.2005
(xi)	Earlier two dates of inspection	31.10.2009
(xii)	Name & designation of the Inspecting officer with ID No.	D.P.Ravikumar Assistant Mining Geologist
(xiii)	Name & Designation of mine Official accompanying	Shri G.Ravikumar, Lessee's representative
<b>(xiv)</b>	<b>Mine address</b>	
	State	Andhra Pradesh
	District	Nellore
	Village	Perumallapadu
	Mandal	Sydapuram
	Post Office	Utukur
	Police Station	Sydapuram
	Pin code	524 407
	Fax	-
	E-mail	-
(xv)	Type of Mine (OC, UG, BOTH) Working/Non-Working	UG – Non working (Mine Temporarily discontinued)
(xvi)	Weekly day of rest	Sunday
(xvii)	Date of AMP/SMP	23.01.2006

**2. LAND DETAILS (WITHIN LEASE AREA)**

Code	FOREST	Area (Ha)	Code	NON-FOREST	Area (Ha)
33	Total Forest	N.A.	34	Total Non-Forest	-
1	Reserve Forest		8	Private land	3.50
2	Protected forest		9	Agricultural irrigated land	-
3	Forest unclassified		10	Agricultural non-irrigated land	2.02
4	Forest sanctuary		12	Govt. grazing land	-
5	Forest national park		13	Govt. waste land	-
6	Forest mineralised		14	Govt. other land	-
7	Forest non-mineralised		15	Mineralised	0.80
19	Degraded land by pit		16	Non-mineralised land	-
20	Degraded land by dump		21	Degraded land by pit	0.20
23	Degraded land by road		22	Degraded land by dump	0.10
25	Degraded land by plant, Building, Town		24	Degraded land by road	-
31	Land acquired		26	Degraded land by plant, Building, Town	0.20
			32	Land acquired	-

**3. MINERAL**

Main Mineral(s)	Associated Mineral(s)	Captive Use (Yes/No)	End Product	Non captive use		Remarks
				Domestic (Yes/No)	Export (Y/N)	
Mica	Feldspar	No	Mica			
	quartz		Feldspar	Yes	No	Nil
	Vermiculite		Vermiculite			

**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	G.Nageswara Rao	Agent	Dip. In Mining Engineering	6.10.2005	Utukur, Sydapuram(M) Nellore (Dt).
Mining Engineer/ Geologist	-	-	-	-	-
Manager	-	-	-	-	-

**5. EXPLORATION**

a) Exploration carried out as on 1.4. 16

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

**6. EXTENT OF OPEN-PIT DEVELOPMENT = Not applicable being UG mine.**

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
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

**7. UNDERGROUND DEVELOPMENT**

i) Shaft = NIL

Shaft No/name	Shaft top RL	Shaft bottom RL	Depth (m)
-	-	-	-
-	-	-	-
-	-	-	-

ii) Incline : = NIL

Incline No/name	Incline top RL	Incline bottom RL	Length (m)
01	301	259	50m
-	-	-	-
-	-	-	-

iii) Adit : = NIL

Adit No/name	Level RL	Level length
-	-	-
-	-	-
-	-	-

iv) level :

Level no/Name	Level RL	Level length
Depth 18m level	283	40m
Depth 25m level	276	164m
Depth 33m level	268	46m
Depth 40m level	259	38m

**8. REHABILITATION OF QUARRIES = Not applicable being UG mine.**

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 1.4.16								
2) During the previous year								
3) Cumm. As on date of inspection on								

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

**9. CHARACTERISTICS OF WASTE DUMP AND TOP SOIL DUMP**

A) OB Dump = 01                      A) Area=60X25X0.2M                      B) Height=1.5m C)Capacity cu.m=2250  
 B) Topsoil dump= -                      A) Quantity generated= -                      B) Used= -

**10. 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: OB ratio Previous year (Total -cum)	Whether Dumping on Mineralized Ground(Y/N)	Remark, if Dumped on Mineralized Ground
08-09	400	900	1: 17.70	-	-

**11. PRODUCTION & RESERVE**

a) Reserve as on 1.4.2016

Name of Mineral	Proved		Probable		Possible		Total	
	Qty.(t)	Grade	Qty.(t)	Grade	Qty.(t)	Grade	Qty.(t)	Grade
Mica	370	Crude	1185	-	900	-	2455	crude
Feldspar	6150	8.56Na <sub>2</sub> O	11850	8.56Na <sub>2</sub> O	3600	8.56Na <sub>2</sub> O	27000	8.56Na <sub>2</sub> O

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

**b) Annual production**

Year	Minerals	Production(t)	Dispatches/Sale	Closing stock(t)
2011-12	Mica	-	-	-
	Feldspar	-	-	-
	Quartz	-	-	-
	Vermiculite	-	-	-
2012-13	Mica			
	Feldspar	-	-	-
	Quartz	-	-	-
	Vermiculite	-	-	-
2013-14	Mica			
	Feldspar	-	-	-
	Quartz	-	-	-
	Vermiculite	-	-	-
2014-15	Mica			
	Feldspar			
	Quartz			
	Vermiculite			
2015-16	Mica			
	Feldspar			
	Quartz			
	Vermiculite			

\* The annual returns from 2010-11 to 2015-16 not submitted. Accordingly, draft violation letter for rule 45 (5)(a) (viii) & 45(5)(b)(viii) is being sent to RCOM, IBM, Hyderabad for further action.

**12. SUB-GRADE MINERAL AND INERAL REJECT**

a) Sub-grade mineral

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

**13. RECLAMATION/REHABILITATION OF WASTE DUMP – Area : \_\_\_\_\_**

**14. 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	6000	2.02	90%	-	-	-
2. During the previous year	-	-	-	-	-	-
3. As on date of inspection(cumulative)	6000	2.02	90%	-	-	-

**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	AR not furnished	0
Supervisory	0	0	0		0
Workers	0	0	0		0
Ministerial	0	0	0		0
Employment in Plant	0	0	0		0
Others	0	0	0		0
Total					

**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				20,000	Donation for festivals in the village
	Total				20,000	

**3. Status of compliance of MC DR 1988, including therewith the rectification of the outstanding violation of rules.**

The last MCDR inspection was carried out on 31.10.2009 and no contravention of rules were observed.

Further, on scrutiny of office records IBM, Hyderabad, Violation letter has been issued to party for violation of rule 23 F(3) on 26.07.2011, and violation of rule 12(3) on 29.07.2011. Again, on scrutiny of office records from IBM, Hyderabad, Violation cum Show Cause Notice has been issued to party for non compliance of rules 12(3), 13(1) & 23 F(3) on 26.11.2013. In this connection, on enquiry it was came to know that lessee submitted the draft Scheme of Mining to RCOM, IBM, Hyderabad which was rejected / not yet approved.

During current inspection contravention of rules 12(3), 13(1), 23(F)(3), 45(5)(a)(viii) & 45(5)(b)(viii) of MCDR, 1988 were observed and accordingly draft violation letter is being sent to RCOM, Secunderabad 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.**

No such recommendations are being made.

**5. Scientific Mining.**

Items	Proposal	Actual work done	Remarks
<b>A. Exploration (Rule 13)</b>			
a. Type of prospecting & exploration i.e. pitting, drilling etc. b) Total area covered	The Mining Plan was approved on 18.01.2006 and its validity has already expired.	NIL (Mine temporarily discontinued from 01.10.2010)	On surface pegmatite outcrops are visible. Hence no exploration taken up.
<b>B. Working (Rule – 13)</b>			
a. Number and size of each pit (LxWxH)	NA	UG	
b. Bench size (LxWxH) length cab be defined as regular/ irregular c. Ore to waste ratio pit-wise, if possible, otherwise for mine		85 m 56 12 m ----- 153 ----- --	The validity of approved Mining Scheme expired and no further SOM is not yet approved. As such violation of rule 12(3) is being pointed out.
d. Total area covered under excavation/pits	NA	0.20	
<b>C. Waste disposal(Rule 13)</b>			
a. Location of dumps	NA	Around the haulage engine room.	-

b. Method of dumping whether advancing/ retreat	NA	Advancing.	-
c. Total area covered under waste dump	NA	0.150 ha.	-
d. No. and size of each waste dump with No. of steps/lift/bench	NA	01 – 60x25x1.5	-
e. Yearly generation of waste quantity	NA	-	-

**6. Conservation of Mineral – both quantitative and qualitative.**

<b>Beneficiation (Rule 20 and 26)</b>	
Efforts for improving low grade and sub-Grade mineral	Manual sorting & picking.
Efforts for improving percentage of Recovery of ore.	Manual chipping, cutting.
<b>Mineral (Rule – 15)</b>	
No.of benches in ore and waste	Not applicable being UG mine.
Percentage of recovery of ore pit-wise w.r.t ROM and total material	Mica recovery from UG mine is very low ie., less than 2%.
<b>Sub-grade mineral/fines(Rule – 16)</b>	
Separate stacking from waste	No generation of sub-grade mineral.
Location of stacking	Not applicable.
Total area covered for stacking	
No. and size of each stack	NIL
Quantity of yearly generation and total Quantity available during inspection with Grade	NIL

**7. Environment Management – both quantitative and qualitative.**

**A. Land environment**

a. Landscape	Almost plain land with some raised hillocks.
b. aesthetic environment	The aesthetic environment is good due to plantation done in the lease.
c. Soil and land use pattern	1 to 3m soil cover exists. Land use pattern consists of one waste dump.
d. Agriculture	There is no agriculture in the lease area.
e. Forest (flora and fauna)	Non-forest. Own patta land. No wild life reported to be present.
f. Vegetation	Party has undertaken plantation of 6000 eucalyptus plants covering over 2.0 Ha.
g. Public building, places and monuments (protected, historical), place of worship and places of tourist importance.	No public buildings, places, monuments are present.
<b>B. Water environment</b>	
a. Surface water	There are no ponds, nallas in the area.

b. Ground water	Ground water encountered in UG mine at a depth of 40m.
c. Quality of water	It is being used for plantation and in nearby agricultural fields.
<b>C. Air environment</b>	
a. Noise	It is a manual mine using jack hammer drilling. No impact.
b. Air	
c. Climatic condition	The area is dry and humid. Tropical in summer.
<b>D. Socio economic environment</b>	
a. Social and demographic profile	The local villagers depend on agriculture.
b. Recommending health and safety	The use of safety appliances is already in practice.
c. Human settlement	Population of over 20,000 exists in the 7 villages of buffer zone.
d. Recreational facility	Gudur is 16 KM and cinema halls etc., are available for recreation.

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

The annual returns for the year 2010-11 to 2015-16 have not been submitted. Hence, no scrutiny could be undertaken. In this connection, draft violation letter for 45(5)(b)(viii) is being sent to RCOM, IBM, Hyderabad for further necessary action.

**PART – III :: PERFORMANCE OF MINE OWNER**  
(In case of lease expiring within 2 years – as per guidelines)

Not applicable as the lease is due to expiry on 27.8.2022.

**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: 16.06.2016.

(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/MC-359

To

**Smt. G.Suseela Devi,  
W.15/288, Valayanandapuram,  
GUDUR-524101,  
SPSR Nellore (Dist) A.P.**

**Sub : Violation of provisions of MCDR 1988 in respect of your SreeSaikrishna Mica Feldspar, Quartz & Vermiculite mine in Nellore District, A.P. State.**

Dear Madam,

The following provisions of Mineral Conservation and Development Rules, 1988 were found violated in your above mine during inspection on 02.06.2016 by D.P.Ravikumar, Assistant Mining Geologist, Indian Bureau of Mines, Sub-Regional Office, Nellore, accompanied by your representative Shri G.Ravikumar,

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 18.01.2006 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.
23F(3)	A Lessee has to submit financial assurance to the Regional Controller of Mines, Indian Bureau of Mines, Secunderabad before the execution of the lease. In case of existing mining lease, the lessee shall submit the financial assurance along with progressive Mine Closure Plan. However, it was found that the financial assurance for the above mine was not submitted by you till date to the Regional Controller of Mines, Indian Bureau of Mines, Secunderabad.
45(5)(a)(viii)	Monthly returns from January 2014 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 returns for the year from 2010-11 to 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,

(P.N.SHARMA)  
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.

(P.N.SHARMA)  
Regional Controller of Mines

Government of India  
Ministry of Mines  
Indian Bureau of Mines

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D.No.26-II-830, Flat No.86,  
8<sup>th</sup> Cross Road, Jyothi Nagar,  
Vedayapalem, AK Nagar (PO),  
Nellore-524004.(A.P)  
Dated 17.06.2016.

AP/NLR/MC-359

To

The Regional Controller of Mines  
Indian Bureau of Mines  
Secunderabad.

Sub: MCDR inspection report of Sree SaiKrishna **Vermiculite**, Mica, Quartz & Feldspar **Mine**  
in Perumallapadu village, Sydapuram Mandal, SPSR Nellore district, Andhra Pradesh  
owned by Smt.G.Suseela Devi.

Sir,

The above inspection report by D.P.Ravikumar, Assistant Mining Geologist in respect  
of his inspection on 02.06.2016 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

