

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

1(i)	Mine File No.	AP/NLR/VR-27
(ii)	Mine Code No.	62 APR 150 19
(iii)	Date of Inspection	06.03.2017
(iv)	Name of Mine	Ramachandra Vermiculite Mine
(v)	Name of the lessee with address	M/s The Premier Mica Company, No. 13/176-1, Thyagaraja Street, GUDURU-524 101 SPSR Nellore District
(vi)	Name of owner, address & phone	-do-
(vii)	Lease area in Ha.	5.152 ha
(viii)	Date of execution	19.09.2008
(ix)	Expiry date	18.09.2028
(x)	Date of first opening	07.07.2008
(xi)	Earlier two dates of inspection	(i) 05.03.2016 (ii) 05.03.2015
(xii)	Name & designation of the Inspecting officer with ID No.	D.P.Ravikumar, Assistant Mining Geologist
(xiii)	Name & Designation of mine Official accompanying	Shri B.Dilip Singh, Agent
<b>(xiv)</b>	<b>Mine address</b>	
	State	Andhra Pradesh
	District	Nellore
	Village	Palicherla-Rajupalem
	Mandal	Gudur
	Post Office	Palicherla
	Police Station	Gudur
	Pin code	524 101
	Fax	0
	E-mail	0
(xv)	Type of Mine (OC, UG, BOTH) Working/Non-Working	OC – Non working
(xvi)	Weekly day of rest	Sunday
(xvii)	Date of AMP/SMP	Mining Scheme was approved By IBM on 26.06.2015

**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	FOREST	Area (Ha)
34	Total Non-Forest	5.152
8	Private land	5.152
9	Agricultural irrigated land	-
10	Agricultural non-irrigated land	5.152
12	Govt.grazing land	-
13	Govt.waste alnd	-
14	Govt. other land	-
15	Mineralised	--
16	Non-mineralised land	--
21	Degraded land by pit	0.20
22	Degraded land by dump	0.02
24	Degraded land by road	0.1
26	Degraded land by plant, Building, Town	-
32	Land acquired	5.152

**3. MINERAL**

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

**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	-	-	-	-	-
Mining Engineer/ Geologist	-	-	-	-	-
Manager	-	-	-	-	-

**5. EXPLORATION**

a) Exploration carried out as on 1.4. 2016

No .of boreholes	Nil	No.of pits	Nil	No. of trenches	Nil
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**

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.	50x40x10	3	2	1	1	3	4	06	47.71	42.03	80°

**7. REHABILITATION OF QUARRIES**

Quarry / Open pit

Year	Area Broken (Hect.)	Area Recla imed	Area Matured For recla- mation	% of recla mati on	Area Rehabilitated			Total Area Rehabilita- ted
					BF	WR	OM	
1) Cumulative as on 1.4.2016	0.20	-	Nil					
2) During the previous year	-	-	Nil					
3) Cumm. As on date of inspection on	0.20	-	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=One    A) Area=0.02 ha.    B) Height=m    C)Capacity cu.m=8000  
 B) Topsoil dump= -    A) Quantity generated=nil    B) Used=nil

**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: OB ratio Previous year (Total –cum)	Whether Dumping on Mineralized Ground(Y/N)	Remark, if Dumped on Mineralized Ground
2015-16	-	-	-	No	-

**10. 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
Vermiculite	2294	-	-		2914			5208

b) Annual production

Year	Minerals	Production(t)	Dispatches/Sale	Closing stock(t)
2009-10	Vermiculite	-	-	-
2010-11		445	430	35
2011-12		480	460	55
2012-13		310	315	50
2013-14		560	425	145
2014-15 Upto Feb.2015		240	200	185
2015-16		60	100	145

**11. SUB-GRADE MINERAL AND MINERAL REJECT**

a) Sub-grade mineral

Name of Mineral		Quantity generated	Quantity Consumed	% utilisation	Quantity Stacked	Nature of Utilization	Grade of Sub-grade
Vermiculite	Cumulative at the End of previous Year1-4-2016	No generation of sub-grade mineral or mineral reject was reported.					
	During previous year						
	Cum.as on date of inspection						

12. RECLAMATION/REHABILITATION OF WASTE DUMP – Area : -- (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	110	0.07	50%	-	-	-
2. During the previous year	-	0.06	50%	-	-	-
3. As on date of inspection(cumulative)	110	0.13.	50%	-	-	-

**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	01	-	01	295	OC
Supervisory	-	-	-	-	-
Workers	06	-	06	295	OC
Ministerial	-	-	-	-	-
Employment in Plant	-	-	-	-	-
Others	-	-	-	-	-

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				10,000 (Rupees ten thousand)	Donation for festivals in the village
	Total				10,000 (Rupees Ten thousand)	

**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 05.03.2016 and contravention of rule 24 of MCDR, 1988 was pointed out. The same was compiled by the lessee. During the current inspection contravention of rule 45(5)(b)(i) of MCDR 2017 has been observed and accordingly draft violation letter is being sent to RCOM, IBM, 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.**

Stoppage of mining operations under rule 13(2) and Prohibition of employment of person under rule 56 is not recommended for the present.

**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	It is proposed to put 11 Numbers of core drills	Not done	Mining operations temporarily discontinued due heavy rains and floods.
<b>B. Working (Rule – 13)</b>			
a. Number and size of each pit (LxWxH)	18x05(existing pit development)	Mining operations temporarily discontinued due heavy rains and floods.	The Mining Scheme was approved by IBM on 26.06.2015 for five years from 2013-14 to 2017-18.
b. Bench size (LxWxH) length can be defined as regular/ irregular c. Ore to waste ratio pit-wise, if possible, otherwise for mine	2.5x2.5	Mine not worked during 2015-16	Mine temporarily discontinued.
d. Total area covered under excavation/pits	0.09	Mine not worked during 2015-16	Mine temporarily discontinued

<b>C. Waste disposal(Rule 13)</b>			
a. Location of dumps	-	Mine not worked during 2015-16	Mine not worked during 2015-16
b. Method of dumping whether advancing/ retreat	Advancing	Mine not worked during 2015-16	Mine not worked during 2015-16
c. Total area covered under waste dump	-	Mine not worked during 2015-16	Mine not worked during 2015-16
d. No.and size of each waste dump with No.of steps/lift/bench	-	Height of dump was kept 1 to 2m.	Mine not worked during 2015-16
e. Yearly generation of waste quantity	-	Mine not worked during 2015-16	Mine not worked during 2015-16

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

<b>Beneficiation (Rule 20 and 26)</b>	
Efforts for improving low grade and sub-Grade mineral	No sub-grade or low grade mineral was generated
Efforts for improving percentage of Recovery of ore.	ROM was screened to recover saleable ore.
<b>Mineral (Rule – 15)</b>	
No.of benches in ore and waste	Two benches in OB and one in mineralised zone
Percentage of recovery of ore pit-wise w.r.t ROM and total material	50% recovery
<b>Sub-grade mineral/fines(Rule – 16)</b>	
Separate stacking from waste	No accumulation of sub-grade mineral was observed.
Location of stacking	
Total area covered for stacking	
No. and size of each stack	
Quantity of yearly generation and total Quantity available during inspection with Grade	

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

**A. Land environment**

a. Landscape	The lease area is plain to undulated ground.
b. Aesthetic environment	The landscape of the lease will be affected due to mining.
c. Soil and land use pattern	The extent of land used for mining was 0.75 hectares and that for waste disposal was 0.5 hectare.
d. Agriculture	The lease area was reported to be private, non-agriculture land. The lessee acquired for mining. In and around the lease area, no agriculture was observed.
e. Forest (flora and fauna)	No forest land is involved.
f. Vegetation	The area is plain terrain. Few neem trees were observed on eastern side of the lease area.
g. Public building, places and monuments (protected, historical), place of worship and places of tourist importance.	No such things are exists in and around the lease area.
<b>B. Water environment</b>	
a. Surface water	No surface streams of nallas & perennial source of water existed.
b. Ground water	Ground water was not encountered in the working pit.
c. Quality of water	The quality of ground water in bore well was reportedly potable.
<b>C. Air environment</b>	
a. Noise	The mining being done manually without the usage of machinery or explosive, it will have no impact on noise level or air quality.
b. Air	
c. Climatic condition	The area experience dry and humid climate.
<b>D. Socio economic environment</b>	
a. Social and demographic profile	The local villagers are agriculturists.
b. Recommending health and safety	-
c. Human settlement	No human settlement was found within the lease area. Palicherla village is located on eastern side away from the lease area.
d. Recreational facility	Nil.

**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 was submitted by party has been scrutinized. The comments are as follows:

Cost of Production : Not mentioned  
Reserves : Not furnished  
Production : Vermiculite =60 t  
pit's mouth value : Rs 400/-  
land use pattern : Consists of degradation of area by 01 pit.  
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.) : Nil
- c) The Central Government (infrastructure development, mineral policy and legislation, mineral based industry & etc.) : Nil

Nellore,  
Date: 27.04.2017.

(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

Registered AD

No. AP/NLR/Vr-27

Hyderabad,  
Date:

To

M/s The Premier Mica Company,  
No. 13/176-1, Thyagaraja Street,  
GUDURU-524 101  
SPSR Nellore District

Sub : Violation of Provisions of MCDR 2017 in respect of your Ramachandra Vermiculite Mine in Palicharla Rajupalem (V) Gudur (M), SPSR Nellore district of State Andhra Pradesh over an extent of 5.152 ha. reg.

Dear Sir,

The following provisions of Mineral Conservation and Development Rules, 2017 were found violated in your above mine during inspection on 06.03.2017 by D.P.Ravikumar, Assistant Mining Geologist, Indian Bureau of Mines, Sub-Regional Office, Nellore, accompanied by Shri B.Dilip Singh, Agent.

Rule No.	Nature of violation observed
45(5)(b)(i)	Monthly returns in F-1 from January 2016 to March 2017 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

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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:27.04.2017

AP/NLR/Vr-27

To

The Regional Controller of Mines  
Indian Bureau of Mines  
Secunderabad.

Sub: MCDR inspection report of Ramachandra Vermiculite Mine in Palicharla Rajupalem village, Gudur Mandal, SPSR Nellore district, Andhra Pradesh owned by M/s The Premier Mica Company.

Sir,

The above inspection report by D.P.Ravikumar, Assistant Mining Geologist in respect of his inspection on 06.03.2017 is forwarded herewith.

02. Violations of MCDR 2017 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 : Nil
- 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

## RAMACHANDRA VERMICULITE MINE OF M/S PMC

<u>YEAR</u>	<u>PROPOSED PRODUCTION</u>	<u>ACHIEVEMENT</u>	<u>REMARKS</u>
2010-11	838	445	
2011-12	788	445	
2012-13	912	310	
2013-14	NIL	560	@
2014-15	NIL	240	
2015-16	574.2	NIL	Mining operations Temporarily discontinued

@ The Scheme of Mining Period from 2013 - 14 to 2017-18 in which the year 2013- 14 & 2014-15 is already lapsed and Proposal for the year from 2015-16 to 2017-18 is prepared and approved.

### EXPLORATION

<u>YEAR</u>	<u>PROPOSED</u>	<u>ACHIEVEMENT</u>	<u>REMARKS</u>
2013-14	No proposals, lapsed period.		
2014-15			
2015-16	It is proposed to put 11 Numbers of core drills	Not done	Mining operations Temporarily discontinued

Further, It is mentioned in the approved Scheme of Mining ( dated 25.06.2015 ) that two Trail pits and 8 nos. of DTH bore holes were proposed to be drilled during 2008-09 to 2012-13( approved Mining Plan period) which was not achieved.

