

TMIS DATABASE FOR MCDR INSPECTION (MANUAL)

1(i)	Mine File No.	AP/ NLR/MC-371
(ii)	Mine Code No.	41 APR 151 57
(iii)	Date of Inspection	30.05.2016
(iv)	Name of Mine	Parvathi Vermiculite, Mica, Quartz, & Feldspar Mine
(v)	Name of the lessee with address	V.L. Prasanna, Managing Partner, M/s Ani Mines and Minerals, 27-2-1850-4, Near Childerns Park, 9 th Lane, Ramji Nagar, NELLORE - 524 001.
(vi)	Name of owner with address & phone	-do-
(vii)	Lease area in Ha.	22.59 ha.
(viii)	Date of execution	05.03.2010
(ix)	Expiry date	04.03.2030
(x)	Date of first opening	04.04.2010
(xi)	Earlier two dates of inspection	(i) 11.05.2015 (ii) 10.11.2013
(xii)	Name & designation of the Inspecting officer with ID No.	D.P.Ravikumar, Asstt. Mining Geologist
(xiii)	Name & Designation of mine Official accompanying	Shri P.Penchalaiah, Party's representative
(xiv)	Mine address	
	State	Andhra Pradesh
	District	Nellore
	Village	Chaganam
	Mandal	Sydapuram
	Post Office	Chaganam
	Police Station	Sydapuram
	Pin code	524 101
	Fax	08612309699
	E-mail	animinesandminerals@gmail.com
(xv)	Type of Mine (OC, UG, BOTH) Working/Non-Working	OC, Working
(xvi)	Weekly day of rest	Sunday
(xvii)	Date of AMP/SMP	AMP 22.05.2009

2. LAND DETAILS (WITHIN LEASE AREA)

Code	FOREST	Area (Ha)
33	Total Forest	0
1	Reserve Forest	0
2	Protected forest	0
3	Forest unclassified	0
4	Forest sanctuary	0
5	Forest national park	0
6	Forest mineralised	0
7	Forest non-mineralised	0
19	Degraded land by pit	0
20	Degraded land by dump	0
23	Degraded land by road	0
25	Degraded land by plant, Building, Town	0
31	Land acquired	0

Code	NON-FOREST	Area (Ha)
34	Total Non-Forest	22.59
8	Private land	22.59
9	Agricultural irrigated land	0
10	Agricultural non-irrigated land	0
12	Govt. grazing land	0
13	Govt. waste land	0
14	Govt. other land	0
15	Mineralised	0
16	Non-mineralised land	0
21	Degraded land by pit	0.62
22	Degraded land by dump	0.40
24	Degraded land by road	0.2
26	Degraded land by plant, Building, Town	0
32	Land acquired	22.59

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, Quartz & Vermiculite	No	0	Yes		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	--	--	--	--	--
Mining Engineer/ Geologist	--	--	--	--	--
Manager	-	-	-	-	--

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	--	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)	No. of Benches In ore	Hei-Ght (m)	Width (m)	Pit Depth (m)	Top RL (m)	Bottom RL (m)	Overall Pit slope
1	30x10x10	02	3.5	1	5	10	10	102	92	70°
2	20x20x10	02	3.5	1	5	10	10	102	92	70°
3	30x30x20	02	3.5	1	5	10	20	102	82	80°
4	30x20x15	01	3.5	1	5	10	15	102	87	90°
5	30x20x15	01	3.5	1	5	10	15	102	87	80°
6	25x05x05	2.0	3.5	1	5	10	05	102	97	80°
7	25x05x05	01	3.5	1	5	10	05	102	97	70°
8	85x40x3.0	01	3.5	1	5	10	3.0	102	92	80°

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 1.4.2016	0.62	Nil	Nil	Nil	Nil	Nil	Nil	Nil
2) During the previous year	-	Nil	Nil	Nil	Nil	Nil	Nil	Nil
3) Cumm. As on date of inspection on	0.62	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 =6 A) Area : 0.40 B) Height=2.0 C) Capacity cu. m= 8000
 B) Topsoil dump =Nil A) Quantity generated 0 B) Used 0

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	600	2950	1:0.5	No	-

10. PRODUCTION & RESERVE

a) Reserve as on 1.4.2015

Name of Mineral	Proved		Probable		Possible		Total	
	Qty.(t)	Grade	Qty.(t)	Grade	Qty.(t)	Grade	Qty.(t)	Grade
Mica	1581		10938		10938		23407	
Quartz	15313	Sio2=99.60	109375	Sio2=99.60	109375	Sio2=99.60	234063	Sio2=99.60
Feldspar	45938	Sio2=66.75	328125	Sio2=66.75	328125	Sio2=66.75	702188	Sio2=66.75
Vermiculite	153	Sio2=34.60	1093	Sio2=34.60	1093	Sio2=34.60	2339	Sio2=34.60

* 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	400.000	246.000	274.200
	Quartz	1040.000	995.000	184.300
	Vermiculite	585.000	470.000	130.000
2012-13	Mica	-	-	-
	Feldspar	-	-	274.000
	Quartz	-	100.00	84.300
	Vermiculite	570.000	567.000	133.000
2013-14	Mica			
	Feldspar	255.000	300.000	229.200
	Quartz	2569.000	200.000	2453.300
	Vermiculite	755.000	550.000	338.000

2014-15	Mica			
	Feldspar			
	Quartz			
	Vermiculite			
2015-16	Mica			
	Feldspar			
	Quartz			
	Vermiculite			

* The annual returns from 2014-15 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.

11. SUB-GRADE MINERAL AND MINERAL REJECT

a) Sub-grade mineral = NIL

Name of Mineral		Quantity generated	Quantity Consumed	% utilization	Quantity Stacked	Nature of Utilization	Grade of Sub grade
Mica, Quartz, Feldspar & Vermiculite	Cumulative at the end of previous Year 01.04.2016	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)

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	200	0.09	80	NIL	NIL	NIL
2. During the previous year	NIL	NIL	NIL	NIL	NIL	NIL
3. As on date of inspection(cumulative)	200	0.09	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	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				30,000	Donation for festivals in the village
	Total				30,000	

3. Status of compliance of MCDR 1988, including therewith the rectification of the outstanding violation of rules.

The last inspection was carried out on 11.05.2015 and violation of rule 12(3), 13(1), 23(F)(3), 42(1)(b)(ii) 45(5)(a)(viii) & 45(5)(b)(viii) of MCDR, 1988 have been pointed out to the party.

During current inspection contravention of rules 12(3), 13(1), 23(F)(3), 42(1)(b)(ii) 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 recommendations have been made under these provision.

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 approved Mining Plan has expired on 31.03.2015.	-	Violation of rule 12(3) is being pointed out.
B. Working (Rule – 13)			-
a. Number and size of each pit (LxWxH)	-	1) 30x10x10 2) 20x20x10 3)30x30x30 4)30x20x15 5)30x20x10 6) 25x05x05 7)25x05x05 8)80x40x30 Out of eight pits, seven pits are old pits.	The validity of approved Scheme of Mining was expired and no further SOM is submitted. As such violation of rule 12(3) is being pointed out. The status of existing pits are furnished.
b. Bench size (LxWxH) length can be defined as regular/irregular c. Ore to waste ratio pit-wise, if possible, otherwise for mine	-	Regular 80x40x3.0	--
d. Total area covered under excavation/pits	-	0.62 ha.	-
C. Waste disposal(Rule 13)			-
a. Location of dumps	-	-	-

b. Method of dumping whether advancing/retreat	-	Retreating manner	-
c. Total area covered under waste dump	-	Waste dumping has been continued on old dumps besides the old pits that are existing before the grant of the ML	-
d. No. and size of each waste dump with No. of steps/lift/bench	-	There are about six old dumps and presently dumping is continuing on dump situated besides the working pit	-
e. Yearly generation of waste quantity	-	-	-

6. Conservation of Mineral – both quantitative and qualitative.

Beneficiation (Rule 20 and 26)	0
Efforts for improving low grade and sub-Grade mineral	0
Efforts for improving percentage of Recovery of ore.	0
Mineral (Rule – 15)	0
No. of benches in ore and waste	0
Percentage of recovery of ore pit-wise w.r.t ROM and total material	0
Sub-grade mineral/fines (Rule – 16)	0
Separate stacking from waste	0
Location of stacking	0
Total area covered for stacking	0
No. and size of each stack	0
Quantity of yearly generation and total Quantity available during inspection with Grade	0

7. Environment Management – both quantitative and qualitative.

A. Land environment

a. Landscape	The area is undulated terrain, amidst agricultural area.
b. Aesthetic environment	There is a village tank on NW side and an irrigation canal on southern side of the lease area.
c. Soil and land use pattern	The black cotton soil disturbed at minimum in view of UG operations used for agricultural purposes by neighboring people for agriculture.
d. Agriculture	Good agricultural activities are going on around the lease area.
e. Forest (flora and fauna)	No RF zone is covered. There is no threat to flora & fauna.
f. Vegetation	The area is devoid of vegetation except surrounded by agricultural activities.
g. Public building, places and monuments (protected, historical), place of worship and places of tourist importance.	No such things exist in and around the lease area.
B. Water environment	
a. Surface water	There is a village tank on NW side of lease at a distance of 2 KM and an irrigation canal on southern side at a distance of 1 ½ KM.
b. Ground water	The UG seepage water is pumped out and used by workers for drinking purpose.
c. Quality of water	Water (surface & ground water) not analyzed. No adverse is reported.
C. Air environment	
a. Noise	0
b. Air	0
c. Climatic condition	The climate is tropical, dry, humid & seasonal.
D. Socio economic environment	
a. Social and demographic profile	0
b. Recommending health and safety	0
c. Human settlement	The village Chaganam with a population of 1000 is located at a distance of 2 ½ KM on southern side.
d. Recreational facility	0

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

Annual Returns have not been submitted from 2014-15 to 2015-16. Hence, no scrutiny could be done. Draft violation letter for rule 45(5)(b)(viii) is being sent to RCOM, IBM, Secunderabad for further action.

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: 17.06.2016.

(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-371

To

V.L. Prasanna, Managing Partner,
M/s Ani Mines and Minerals,
27-2-1850-4, Near Childerns Park,
9 th Lane, Ramji Nagar,
NELLORE - 524 001.

Sub : Violation of Provisions of MCDR 1988 in respect of your Parvathi **Mica, Quartz, Feldspar & Vermiculite Mine** in SPSR Nellore district of State Andhra Pradesh over an extent of 22.58 ha. reg.

Madam,

The following provisions of Mineral Conservation and Development Rules, 1988 were found violated in your above mine during inspection on 30.05.2016 by D.P.Ravikumar, Assistant Mining Geologist, Indian Bureau of Mines, Sub-Regional Office, Nellore, accompanied by your representative Shri P.Penchalaiah.

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 22.05.2009 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)	It is found that the financial assurance submitted by you has already expired . You are required to renew/ submit the financial assurance to the Regional Controller of Mines, IBM, Hyderabad.
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 2014-15 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

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 17..06.2016.

AP/NLR/MC-371

To

The Regional Controller of Mines
Indian Bureau of Mines
Secunderabad.

Sub: MCDR inspection report of Parvathi **Vermiculite, Mica, Quartz & Feldspar Mine** in Chaganam village, Sydapuram Mandal, SPSR Nellore district, Andhra Pradesh owned by M/s Ani Mines & Minerals.

Sir,

The above inspection report by D.P.Ravikumar, Assistant Mining Geologist in respect of his inspection on 30. 05.2016 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

