

TMS DATABASE FOR MCDR INSPECTION (MANUAL)

1(i)	Mine File No.	AP/NLR/VR-25
(ii)	Mine Code No.	62 APR 15018
(iii)	Date of Inspection	07.03.2017
(iv)	Name of Mine	Kandali Vermiculite Mine (3.844 ha)
(v)	Name of the lessee with address	Shri B.Koteswara Rao, Mine Owner. 558, 53-4 A, Swarandhra Bharathi Nagar, Malavya Nagar, GUDURU (Town , Mandal & PO) SPSR Nellore District, PIN- 524 101.
(vi)	Name of owner, address & phone	-do-
(vii)	Lease area in Ha.	3.844 ha.
(viii)	Date of execution	26.12.2009
(ix)	Expiry date	25.12.2029
(x)	Date of first opening	09.10.2010
(xi)	Earlier two dates of inspection	1) 13.04.2013 ii)14.03.2015
(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.Gowtham Krishna, Son of Lessee
(xiv)	Mine address	
	State	Andhra Pradesh
	District	Nellore
	Village	Kandali
	Mandal	Gudur
	Post Office	Thippavarappadu
	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 Pan Approved on 02.06.2009

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	3.844
8	Private land	3.844
9	Agricultural irrigated land	-
10	Agricultural non-irrigated land	-
12	Govt.grazing land	-
13	Govt.waste alnd	-
14	Govt. other land	-
15	Mineralised	-
16	Non-mineralised land	-
21	Degraded land by pit	0.48
22	Degraded land by dump	0.02
24	Degraded land by road	-
26	Degraded land by plant, Building, Town	-
32	Land acquired	3.844

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.	80x60x20	-	-	-	2	4	6	10	-	-	80°

7. REHABILITATION OF QUARRIES

Quarry / Open pit

Year	Area Broken (Hect.)	Area Recla imed	Area Matured For recla- mation	% of recla mation	Area Rehabilitated			Total Area Rehabilita- ted
					BF	WR	OM	
1) Cumulative as on 1.4.2016	0.48	-	-	-	-	-	-	-
2) During the previous year	-	-	-	-	-	-	-	-
3) Cumm. As on date of inspection on	0.48	-	-	-	-	-	-	-

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=3m C) Capacity cu.m=600
 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: ratio Previous year (Total cum)	OB -	Whether Dumping on Mineralized Ground(Y/N)	Remark, if Dumped on Mineralized Ground
2015-16	--	3150	-	-	No	-

10. PRODUCTION & RESERVE

a) Reserve as on 1.4.2016

Name of Mineral	Proved	Probable	Possible	Total
	Qty(t)	Qty(t)	Grade	Qty(t) Grade
Vermiculite	Geological Reserves 22900			

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

b) **Annual production**

Year	Minerals	Production(t)	Dispatches/Sale	Closing stock(t)
2011-12	Vermiculite	Nil	Nil	Nil
2012-13		39	Nil	85
2013-14		511	498	98
2014-15		Annual Return for the for the year not submitted		
2015-16				

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

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	200	0.70	70%	-	-	-
2. During the previous Year	-	-	-	-	-	-
3. As on date of inspection(cumulative)	200	0.70	7%	-	-	-

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					
Supervisory				AR for the year from 2014-15 & 2015-16 not submitted	
Workers					
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				30,000 (Rupees Thirty thousand)	Donation for festivals in the village
	Total				30,000 (Rupees Thirty 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 14.03.2015 and contravention of rule 12(3), 13 (1) & 45(5)(a)(viii) were pointed out and the same were not complied by the party. During current inspection, contravention of rules 11(3), 27(2), 28, 45(5)(b)(i) & 45(5)(c)(i) of MCDR, 2017 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.

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	-	-	---
B. Working (Rule – 13)			
a. Number and size of each pit (LxWxH)	-	80X60X20	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 define as regular/irregular		Regular.	
c. Ore to waste ratio pit-wise, If possible, otherwise for mine		1:2	

d. Total area covered under excavation/ pits		0.48 ha.	-
C. Waste disposal(Rule 13)			
D. Location of dumps	0	One dump on northern western side of the lease area was observed	0
b. Method of dumping whether advancing/ retreat	0	Advancing	0
c. Total area covered under waste dump	0	0.02	0
d. No. and size of each waste dump with No. of steps/lift/bench	0	2x2x2	0
e. Yearly generation of waste quantity	0	3150 cu.m	0

6) Conservation of Mineral – both quantitative and qualitative.

Beneficiation (Rule 20 and 26)	
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.
Mineral (Rule – 15)	
No.of benches in ore and waste	Two benches in OB and one in mineralized zone.
Percentage of recovery of ore pit-wise w.r.t ROM and total material	50% recovery
Sub-grade mineral/fines(Rule – 16)	
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. Water environment	
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.
C. Air environment	
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.
D. Socio economic environment	
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. Kandali 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.

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 |

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

No. AP/NLR/VR-25

Hyderabad,
Date:

To
Shri B.Koteswara Rao, Mine Owner.
558, 53-4 A, Swarandhra Bharathi Nagar,
Malavya Nagar,
GUDURU (Town , Mandal & PO)
SPSR Nellore District,
PIN- 524 101.

Sub : Violation of Provisions of MCDR 2017 in respect of your Kandali **Vermiculite Mine (SY.No. 68/4)** in SPSR Nellore district of State Andhra Pradesh over an extent of 3.844 ha. reg.

Dear Sir ,

The following provisions of Mineral Conservation and Development Rules, 2017 were found violated in your above mine during inspection on 07.03.2017 by D.P.Ravikumar, Assistant Mining Geologist, Indian Bureau of Mines, Sub-Regional Office, Nellore, accompanied by your Son Shri B.Gowtham Krishna.

Rule No.	Nature of violation observed
11(3) of MCDR 2017 Read with provision of sub-rule(1) of rule 17 of the Minerals (other than Atomic and Hydro Carbon Energy Minerals) Concession Rules 2016	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 lease was executed on 26.12.2009 and the Mining Plan for above mine was approved on 02.06.2009 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.
27(2)	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.
28	It was reported that mine workings have been temporarily discontinued, but a notice in Form – D-I has not been submitted
45(5)(b)(i)	Monthly returns 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.
45(5)(c)(i)	Annual returns 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,

(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:..27 .04..2017.

AP/NLR/Vr-26

To

The Regional Controller of Mines
Indian Bureau of Mines
Secunderabad.

Sub: MCDR inspection report of Kandali Vermiculite Mine(3.844 ha) in Kandali village, Gudur Mandal, SPSR Nellore district, Andhra Pradesh owned by Shri B.Koteswara Rao.

Sir,

The above inspection report by D.P.Ravikumar, Assistant Mining Geologist in respect of his inspection on 07.03.2017 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 : 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

