

TMIS DATABASE FOR MCDR INSPECTION (MANUAL)

1(i)	Mine File No.	AP/NLR/Qtz-7
(ii)	Mine Code No.	41APR 15165
(iii)	Date of Inspection	04.01.2017
(iv)	Name of Mine	Fathima Mica, Vermiculite & Quartz Mine
(v)	Name of the lessee with address	Shri SK.Abdul Khuddus M/s Nagendra Mines and Minerals No.15/60, II lane, Ranipet, GUDUR-524 101 SPSR Nellore district.
(vi)	Name of owner with address & Phone	-do-
(vii)	Lease area in Ha.	12.14
(viii)	Date of execution	06.06.1977 & 23.02.2001
(ix)	Expiry date	22.02.2021 (first renewal)
(x)	Date of first opening	Not available
(xi)	Earlier two dates of inspection	i)25.01.1997 ii)16.08.1995
(xii)	Name & designation of the Inspecting officer with ID No.	D.P.Ravikumar Asst. Mining Geologist.
(xiii)	Name & Designation of mine Official accompanying	Shri SK.Abdul Khuddus, Lessee
(xiv)	Mine address	
	State	Andhra Pradesh
	District	Nellore
	Village	Perumallapadu
	Mandal	Sydapuram
	Post Office	Sydapuram
	Police Station	-do-
	Pin code	524 407
	Fax	0
	E-mail	0
(xv)	Type of Mine (OC, UG, BOTH) Working/Non-Working	OC Non working (due to forest problem mine not working and all the pits were waterlogged due to heavy rails)
(xvi)	Weekly day of rest	Sunday
(xvii)	Date of AMP	Scheme of Mining approved by RCOM, IBM, Hyderabad on 03.08.2010

2. LAND DETAILS (WITHIN LEASE AREA)

Code	FOREST	Area (Ha)
33	Total Forest	12.14
1	Reserve Forest	12.14
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	0.25
20	Degraded land by dump	-
23	Degraded land by road	-
25	Degraded land by plant, Building, Town	-
31	Land acquired	12.14

Code	NON-FOREST	Area (Ha)
	Total Non-Forest	-
8	Private land	-
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	-
22	Degraded land by dump	-
24	Degraded land by road	-
26	Degraded land by plant, Building, Town	-
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	Quartz & Vermiculite	No	None	Yes	No	Nine

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	5	No. of trenches	-
Grid interval(m)	-	--	-	--	-
Max. depth(m)	-	Max. depth(m)	1.5	Max. Length(m)	8
Min. depth(m)	-	Min. depth(m)	1.0	Min. Length(m)	6
Total meterage	-	Total meterage	6.0	Total Length(m)	14

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
01	40X20X10	01	01	6.0	02	5	15	40	-	-	80
02	80X10X08	01	01	6.0	02	5	15	40	-	-	80
03	30X10X05	01	01	6.0	02	5	15	40	-	-	80
04	30x10x05	01	01	5.0	02	5	20	15	-	-	80
05	10x10x08	01	01	5.0	02	5	20	15	-	-	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	0.25	Nil	Nil	Nil	-	-	-	
2) During the previous year	--	Nil	Nil	Nil	-	-	-	-
3) Cumm. As on date of inspection on	0.25	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=One A) Area=0.05 He. B) Height=3m C)Capacity cu.m=1500
 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	-	-	-	-	-

10. PRODUCTION & RESERVES

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
Feldspar	7426	-	7426	-	-	-	14852	-
Quartz	81661	-	89114	-	-	-	170775	-
Mica	1485	-	1485	-	-	-	2970	-
Vermiculite	14	-	14	-	-	-	28	-

* 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	Annual returns not submitted. * 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.		
	Quartz			
	Vermiculite			
2013-14	Mica	Annual returns not submitted. * 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.		
	Feldspar			
	Quartz			
	Vermiculite			
2014-15	Mica	Annual returns not submitted. * 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.		
	Feldspar			
	Quartz			
	Vermiculite			
2015-16	Mica	Annual returns not submitted. * 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.		
	Feldspar			
	Quartz			
	Vermiculite			

11. SUB-GRADE MINERAL AND MINERAL REJECT

a) Sub-grade mineral

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

12. RECLAMATION/REHABILITATION OF WASTE DUMP – Nil.**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	Nil	-	-	Nil	-	
2. During the previous year	Nil	-	-	Nil	-	
3. As on date of inspection(cumulative)	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	Annual Returns not furnished from 2010-11 to 2015-16	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 25.01.1997 and violation of rules 13(1), 16(2), 28, 42 (1)(b)(ii) & 45(1) c were found and violation letter issued on 07.04.1997.

Further, on scrutiny of office records IBM, Hyderabad, Violation cum Show cause Notices have been issued to party for violation of rules 45(1) & (2), & 45 (5)(a)(vi) . In this regard, party complied only rule 45(1) & (2).

During current inspection contravention of rules 12(3), 13(1), 22, 23 (F)(3), 24, 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.**

Stoppage of mining operations under rule 13(2) or 56 is not recommended.

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 already expired. NA	Due to heavy floods/ rains during December-2015 in Nellore District, it was observed that all the pits were waterlogged.	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.
B. Working (Rule – 13)			
a. Number and size of each pit (LxWxH)	-	.	
b. Bench size (LxWxH) length can be defined as regular/ irregular c. Ore to waste ratio pit-wise, if possible, otherwise for mine	-	40x20x10 80x10x08 30x10x05 30x10x05 10x10x08 (All the pits were waterlogged)	The validity of approved Mining Scheme expired on 31.03.2013 and no further SOM is not yet approved. As such violation of rule 12(3) is being pointed out. The status of existing pits furnished.
d. Total area covered under excavation/pits	-	0.25 ha.	
C. Waste disposal(Rule 13)			
a. Location of dumps	-	North & east side of the lease area.	
b. Method of dumping whether advancing retreat	-	Advancing	
c. Total area covered under waste dump	-		
d. No.and size of each waste dump with No.of steps/lift/bench	-	One	
e. Yearly generation of waste quantity	-	1500cu.m	

6. Conservation of Mineral – both quantitative and qualitative.

Beneficiation (Rule 20 and 26)	
Efforts for improving low grade and sub-Grade mineral	No low grade & sub-grade mineral were generated.
Efforts for improving percentage of Recovery of ore.	Manual sorting & dressing was done to recover saleable material.
Mineral (Rule – 15)	
No.of benches in ore and waste	One bench was formed.
Percentage of recovery of ore pit-wise w.r.t ROM and total material	The recovery of saleable mineral was 5% in pegmatite excavated.
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 covers undulating ground.
b. Aesthetic environment	Except land degradation over limited scale, aesthetic environment was not affected.
c. Soil and land use pattern	About 1.0 hectares of land was used for mining and allied activities.
d. Agriculture	No agriculture land exist within the lease area.
e. Forest (flora and fauna)	The entire lease area is in forest land. Thick vegetation.
f. Vegetation	Shrubs and few big neem trees were observed.
g. Public building, places and monuments (protected, historical), place of worship and places of tourist importance.	No such building & place of importance exist within the lease area.
B. Water environment	
a. Surface water	No water course or seasonal nallah exist near to the lease area.
b. Ground water	Ground water was not struck at present open cast working.
c. Quality of water	The quality of water was reported to be potable.

C. Air environment	
a. Noise	Due to small scale mining carried in this area, significant air & noise pollution was not observed.
b. Air	
c. Climatic condition	The climate is dry and humid.
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 observed within 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 2010-11 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

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

Date: 13.02.2017.

Draft

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

No. AP/NLR/ Qtz-7

Hyderabad,
Date:

To
Shri SK.Abdul Khuddus
M/s Nagendra Mines and Minerals
No.15/60, II lane, Ranipet,
GUDUR-524 101 SPSR Nellore district.

Sub : Violation of provisions of MCDR 1988 in respect of your Fathima Mica, Feldspar, Quartz & Vermiculite Mine in Perumallapadu village, Sydapuram (M) SPSR Nellore District, A.P. State, over an extent of 12.14 ha.

Dear Sir,

The following provisions of Mineral Conservation and Development Rules, 1988 were found violated in your above mine during inspection on 04.01.2017 by D.P.Ravikumar, Assistant Mining Geologist, Indian Bureau of Mines, Sub-Regional Office, Nellore, accompanied by you.

Rule No.	Nature of violation observed
12(3)	The Scheme of Mining should have been submitted to the Competent authority at least one hundred eighty days before the expiry of the five years period, for which it was approved on the last occasion. The Scheme of Mining for above mine was approved 03.08.2010 for a period of three 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.
22	Notice of opening of the mine has not been submitted in Form-C within 15 days of such opening.
24	It was reported that mine workings have been temporarily discontinued, but a notice in Form – D-I has not been submitted.
45(5)(a)(viii)	Monthly returns from January 2010 to December -2016 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 from 2010 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

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8th Cross Road, Jyothi Nagar,
Vedayapalem, AK Nagar (PO),
Nellore-524004.(A.P)
Dated :13.02.2017..

AP/NLR/Qtz-7

To

The Regional Controller of Mines
Indian Bureau of Mines
Secunderabad.

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

Sir,

The above inspection report by D.P.Ravikumar, Assistant Mining Geologist in respect of his inspection on 04.02.2017 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 take 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

