

DATABASE FOR MCDR INSPECTION (MANUAL)

1(i)	Mine File No.	AP/NLR/MC351
(ii)	Mine Code No.	49APR15046
(iii)	Date of Inspection	03.06.2016
(iv)	Name of Mine	Durga Mineral Corpn. Mine
(v)	Name of the lessee with address	Smt.G.Aruna, M/s.Durga Mineral Corporation, 8-447, Puripalem, Ranganayakupet, Nellor-1.
(vi)	Name of owner with address & Phone	-do-
(vii)	Lease area in Ha.	7.186 Ha.
(viii)	Date of execution	25.01.2002
(ix)	Expiry date	24.01.2022
(x)	Date of first opening	
(xi)	Earlier two dates of inspection	(i) 06.07.2011 (iii) 9.03.2009
(xii)	Name & designation of the Inspecting officer with ID No.	D.P.Ravikumar Assistant Mining Geologist
(xiii)	Name & Designation of mine Official accompanying	G.Srinivasa Rao, Lessee's husband
(xiv)	Mine address	
	State	Andhra Pradesh
	District	Nellore
	Village	Jogipalli
	Mandal	Sydapuram
	Post Office	Utukuru
	Police Station	Sydapuram
	Pin code	-
	Fax	-
	E-mail	-
(xv)	Type of Mine (OC, UG, BOTH) Working/Non-Working	OC – Non working
(xvi)	Weekly day of rest	Sunday
(xvii)	Date of AMP/SMP	25.6.2001

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	NON-FOREST	Area (Ha)
34	Total Non-Forest	7.186
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	0.75
22	Degraded land by dump	0.10
24	Degraded land by road	-
26	Degraded land by plant, Building, Town	-
32	Land acquired	7.186

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	Feldspar Mica Quartz	No	0	Yes	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	None				
Mining Engineer/ Geologist	None				
Manager	None				

5. EXPLORATION

a) Exploration carried out as on 1.4. 2011

No .of boreholes		No .of pits	03	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

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	110x15x20	01	1.5	0.5	02	5	5.0	20	103	98	80°
02	80x20x20 (old pit water logged)	01	1.5	0.5	02	9	10	20	103	93	80°
03	70x50x8 (old pit water logged)	-	-	-	02	3.	8m	8.0	103	97	80°
04	40x20x30 (old pit water logged)	-	-	-	02	3	6	30	103	97	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	0.75	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	0.75	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=02 A) Area=25X25 B) Height= 0.5m C) Capacity cu.m =362.5
10x10

B) Topsoil dump= Nil 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 & RESERVE

a) Reserve as on 1.4.2011= Reserves not depleted as no records/returns furnished.

Name of Mineral	Proved		Probable		Possible		Total	
	Qty.(t)	Grade	Qty.(t)	Grade	Qty.(t)	Grade	Qty.(t)	Grade
Feldspar	42953	Al2o3=19.82 % Sio2=62.12% etc	64131	Al2o3=19.82 % Sio2=62.12% etc	64131	Al2o3=19.82 % Sio2=62.12% etc	171218	Al2o3=19.82 % Sio2=62.12% etc
Quartz	1068	Sio2=99.84% Al2o3=0.12%	1458	Sio2=99.84% Al2o3=0.12%	1458	Sio2=99.84% Al2o3=0.12%	3984	Sio2=99.84% Al2o3=0.12%
Vermiculite	--	-	14		360		374	

* 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	180	100	321.300	
	Quartz	120	-	180	
	Vermiculite	2640	2231.300	138.500	
2012-13	Mica	-	-	-	
	Feldspar	Annual returns not submitted.			
	Quartz				
	Vermiculite				
2013-14	Mica				
	Feldspar				
	Quartz				
	Vermiculite				
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 : - (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	1300	0.3	70%			
2. During the previous year	-	0.1	70%			
3. As on date of inspection(cumulative)	1300	0.4	70%			

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 06.07.2011 and violation of rules 12(3), 42(1)(b)(ii), 45(5)(a)(vi), & 45(5)(b)(vi) were pointed out. As per office records, party replied and complied the rule 45(5)(a) & 45(5)(b)(vi).

Further, on scrutiny of office records IBM, Hyderabad, Violation cum Show cause Notice has been issued to party for violation of rules 12(3) & 13(1) on 19.12.2012. But party not complied the rules and mining operations were suspended by RCOM, IBM, Hyderabad vide letter No. 10(10)/NLR/11/HYD dated 29.01.2013 for non compliance of violations pointed out.

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

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 Mining Plan was approved on 25.6.2001 and its validity has already expired.	03 trial pits are undertaken.	It was reported that the pits were disturbed due to formation of public road by Govt.
B. Working (Rule – 13)			
a. Number and size of each pit (LxWxH)	NA	1) 110 X 15 X 20 2) 80 X 20 X 20 (old pit water logged) 3) 70 X 50 8 (old pit water logged) 4) 40 X 20 X 30 (old pit water logged)	-
b. Bnch size (LxWxH) length cab be defined as regular irregular		60x10x9	-
c. Ore to waste ratio pit-wise, if possible, otherwise for mine		-	
d. Total area covered under excavation/pits	NA	0.64ha.	-
C. Waste disposal(Rule 13)			
a. Location of dumps		1)South of pit-2. 2) Pit top west of pit.	-

b. Method of dumping whether advancing/ retreat	NA	Advancing	
c. Total area covered under waste dump	NA	0.075 ha.	The waste reported to be utilized in road formation.
d. No.and size of each waste dump with No.of steps/lift/bench	NA	25 x25x0.5 one 10x10x 0.5 one	
e. Yearly generation of waste quantity	-	-	Major quantity reported to be used for road formation.

6. Conservation of Mineral – both quantitative and qualitative.

Beneficiation (Rule 20 and 26)	
Efforts for improving low grade and sub-Grade mineral	Manual sorting & picking.
Efforts for improving percentage of Recovery of ore.	Dressing and sizing manually.
Mineral (Rule – 15)	
No.of benches in ore and waste	Ore=2; waste=01
Percentage of recovery of ore pit-wise w.r.t ROM and total material	ROM=60% Vermiculite Total Material =40%
Sub-grade mineral/fines(Rule – 16)	
Separate stacking from waste	No generation of sub-grade mineral.
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	Uulating ground, gently sloping towards SE with a relief of 6m.
b. aesthetic environment	No aesthetic environment exists as only thorny bushes exist.
c. Soil and land use pattern	0.5 to 3m soil cover exists. Land use pattern consists of area degraded by 4 pits.
d. Agriculture	No agriculture exists within the lease area.
e. Forest (flora and fauna)	Mining lease area is not a forest land. No impact. Flora & fauna absent.
f. Vegetation	No vegetation except thorny bushes & shrubs.

g. Public building, places and monuments (protected, historical), place of worship and places of tourist importance.	No public building, places and monuments, place of worship and place of tourist importance exist.
B. Water environment	
a. Surface water	No surface water streams present in the lease.
b. Ground water	Ground water encountered in the big pit.
c. Quality of water	Not being used for human consumption.
C. Air environment	
a. Noise	No impact due to manual operations.
b. Air	-do-
c. Climatic condition	The climate is tropical, humid in summer.
D. Socio economic environment	
a. Social and demographic profile	The local villagers are dependent upon wet and dry agriculture.
b. Recommending health and safety	Nothing specific.
c. Human settlement	Human settlement exists in 8 villages of buffer zone.
d. Recreational facility	Nothing specific. The nearest place is Sydapuram where cinema halls 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 years 2013-14, 2014-15 & 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 24.01.2022.

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: 10.06.2016.

(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-351

To
Smt.G. Aruna,
Prop: M/s.Durga Mineral Corporation,
8/755, Puripalem,
Ranganayakulapet,
Nellore-524001.

Sub : Violation of provisions of MCDR 1988 in respect of your Durga Mineral Corporation 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 03.06.2016 by D.P.Ravikumar, Assistant Mining Geologist, Indian Bureau of Mines, Sub-Regional Office, Nellore in the presence of Shri G.Srinivasa Rao, lessee's husband.

Rule No.	Nature of violation observed
12(3)	The Mining Plan for your Durga Mineral Corporation mica, Feldspar, Quartz & Vermiculite mine was approved on 25.6.2001 for a period of five years. The Scheme of Mining is required to be submitted for next five years period, at least 120 days before the expiry of five years period of approval of mining plan, has not been submitted so far, in spite of the repeated violations pointed out to you on earlier inspections.
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.
24	It was reported that mine workings have been temporarily discontinued, but a notice in Form – D-I has not been submitted.
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 form 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 returns for the year from 2012-13 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
Indian Bureau 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,
8th Cross Road, Jyothi Nagar,
Vedayapalem, AK Nagar (PO),
Nellore-524004.(A.P)
Dated 17.06.2016.

AP/NLR/MC-351

To

The Regional Controller of Mines
Indian Bureau of Mines
Secunderabad.

Sub: MCDR inspection report of Durga Mineral Corporation **Vermiculite**, Mica, Quartz & Feldspar **Mine** in Jogipalli village, Sydapuram Mandal, SPSR Nellore district, Andhra Pradesh owned by M/s Durga Mineral Corporation.

Sir,

The above inspection report by D.P.Ravikumar, Assistant Mining Geologist in respect of his inspection on 03.06.2016 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

