

TMIS DATABASE FOR MCDR INSPECTION (MANUAL)

1(i)	Mine File No.	AP/NLR/LSh-11
(ii)	Mine Code No.	37 APR 15007
(iii)	Date of Inspection	13.03.2017
(iv)	Name of Mine	Nanaji Limeshell mine
(v)	Name of the lessee with address	Sri T.Nanaji, Mine Owner, Near Way Bridge, Chillakur Post & Mandal, Nellore Dist.Ph:9866344556
(vi)	Name of owner with address & phone	-do-
(vii)	Lease area in Ha.	39.154 hectares
(viii)	Date of execution	17.8.94
(ix)	Expiry date	16.8.2014 (lessee applied for renewal of ML)
(x)	Date of first opening	19.01.1995
(xi)	Earlier two dates of inspection	(ii) 31.03.2011 (ii) 03.03.2016
(xii)	Name & designation of the Inspecting officer with ID No.	D.P.Ravikumar, AMG
(xiii)	Name & Designation of mine Official accompanying	Shri A Pakeeraiah, representative of neighboring mine.
(xiv)	Mine address	
	State	Andhra Pradesh
	District	Nellore
	Village	Epuru Pattapupalem
	Mandal	Muthukur
	Post Office	Doruyulapalem,
	Police Station	Muthukur
	Pin code	-
	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	Scheme of Mining approved on 05.04.2005

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	39.154
8	Private land	-
9	Agricultural irrigated land	-
10	Agricultural non-irrigated land	-
12	Govt. grazing land	-
13	Govt. waste land	-
14	Govt. other land	39.154
15	Mineralised	13.70
16	Non-mineralised land	25.45
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	39.154

3. MINERAL

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

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	Sk.Arif(Alifa)	Agent		19.1.95	C/o.lesse
Mining Engineer/ Geologist	-	-	-	-	-
Manager	-	-	-	-	-

5. EXPLORATION

a) Exploration carried out as on 1.4.2016

No .of boreholes	-	No .of pits	-	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
Mining is below water of 2 m deep. No pits could be seen. The limeshell deposited over 0.2m thickness over river bed was collected manually during low tides using simple implements. The dead limeshell collected from the river bed was washed in river water and limeshell was recovered. The sandy material and pebble was back filled into the river bed.											

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 Rehabilitated
					BF	WR	OM	
1) Cumulative as on 1.4.2016	Mining is confined to collection of limeshell from the river bed with available thickness of 0.2m. No pits are formed. Therefore, no reclamation work was done. However, limeshell deposition is continuous process. It get deposited in earlier voids (worked out areas) when the sea water comes back to the river at the time of high tides.							
2) During the previous year								
3) Cumm. As on date								

of inspection on	
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BF= Back filled; WR = Water reservoir; OM = Other means; Remarks = Under remarks
give post mining land use of the area reclaimed.

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8. CHARACTERISTICS OF WASTE DUMP AND TOP SOIL DUMP

A) OB Dump =NIL A) Area =Nil B) Height= Nil C)Capacity cu.m =Nil-
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	Nil	NA	NA	-	-

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
Limeshell	31,298	CaO 54.62%	-	-	-	-	31,298	CaO-54.62% SiO ₂ – 0.64% Al ₂ O ₃ - 0.51% Fe ₂ O ₃ – 0.01%

* 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)
2010-11	Liimeshell	2400	2720	390
2011-12	Liimeshell	2270	2210	140
2012-13	Liimeshell	Annual Returns have not been submitted from 2012-13 to 2015-16. The draft violation letter for rule 45(5)(b)(viii) is being sent to RCOM, IBM, Secunderabad for further action.		
2013-14	Liimeshell			
2014-15	Liimeshell			

2015-16	limeshell			
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* 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

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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 Subgrade
Limeshell	Cumulative at the End of previous Year1-4-2016	No generation or accumulation of sub-grade mineral was observed.					
	During previous year						
	Cum. as on date of inspection						

12. RECLAMATION/REHABILITATION OF WASTE DUMP:

No waste dump was observed in the area. The waste ie., sandy material and pebble stones excavated / collected from the river bed was back filled into the river, after collecting the dead limeshell.

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	25	0.09	80	NIL	NIL	NIL
2. During the previous year	NIL	NIL	NIL	NIL	NIL	NIL
3. As on date of inspection(cumulative)	25	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 = NIL

Classification	Direct	Contract	Total	Av. no of Days worked	Opencast / Underground
Managerial				Annual returns not submitted from 2012-13 to 2015-16.	
Supervisory					
Workers					

				The necessary violation is being pointed out.	
Ministerial					
Employment in Plant					
Others					

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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.

This mine was last inspected on 03.03.2016 and violations of Rule 12(3), 13(1), 23 F(3), 24, 45(5)(a)(viii) & 45(5)(b)(viii) of MCDR were observed & pointed out. But no reply received from the lessee. Further, as per office records violation cum Show Cause Notice were issued from RCOM, IBM, Hyderabad for non compliance of rules 45 (1)&(2), 45(5)(a)(viii) & 12(3),13(1) on 22.12.2011 & 24.04.2012 respectively. But no reply received from the lessee.

During current inspection, contravention of rule 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.**

No recommendations have been made under these provision.

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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 Scheme has already expired. NA	It was learnt that limeshell deposition is a continuous process at the bottom of river bed, where sea water comes back to the river at the time of high tides. This dead limeshell accumulation & deposition repeat on change of season. The availability of limeshell is proved by bamboo during low tide before actual excavation/collection of limeshell from the river bed.	The validity of approved Mining Scheme was already expired on 31.03.2013 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)		From river bed 230m x 160m x 0.2m over SE corner of lease covered.	-
b. Bench size (LxWxH) length can be defined as regular/ irregular c. Ore to waste ratio pit-wise, if possible, otherwise for mine		Mining was done below 2 m deep water. Limeshell was collected manually using simple implements.	-
d. Total area covered under excavation/pits		2.00 hectare	-
C. Waste disposal(Rule 13)			
a. Location of dumps		No accumulation of waste or dump yard was observed. The generation of waste was 40-50% of material excavated. It was backfilled in the river bed after collecting the limeshell.	-
b. Method of dumping whether advancing/ retreat		Back filling	-

c. Total area covered under waste dump	Nil	Nil	-
d. No. and size of each waste dump with No. of steps/lift/bench	Nil	Nil	-
e. Yearly generation of waste quantity	-	-	-

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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/mineral reject were generated.
Efforts for improving percentage of Recovery of ore.	
Mineral (Rule – 15)	
No. of benches in ore and waste	-
Percentage of recovery of ore pit-wise w.r.t ROM and total material	The recovery of saleable limeshell was reported to be 70% and the rest was sand mud.
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	Landscape of the area will not effect as mining was done below water. The lease area covers part of Kandaleru river.
b. Aesthetic environment	This will not effect due to manual mining below water
c. Soil and land use pattern	Collection of limeshell from water bed will not affect the land use pattern.
d. Agriculture	No agriculture land was observed within the lease area.
e. Forest (flora and fauna)	No forest land is involved.
f. Vegetation	Except shrubs & bushes other vegetation was not observed.
g. Public building, places and monuments (protected, historical), place of worship and places of tourist importance.	No such things are existing in and around the lease area.

B. Water environment	
a. Surface water	The lease area covers part of Kandaleru river.
b. Ground water	Ground water was reported to be 30 to 50m from ground level.
c. Quality of water	The quality of water was saline but water analysis was not available. Lessee was advised to get the water analysed and submit the report to this office.
C. Air environment	
a. Noise	Due to manual mining below 1m water, there is no impact on air environment.
b. Air	

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c. Climatic condition	The climate is dry and humid.
D. Socio economic environment	
a. Social and demographic profile	Local villagers are agriculturists and also fisherman.
b. Recommending health and safety	No adverse impact on health and safety was reported.
c. Human settlement	No human settlement was found 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 2012-13 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

The lease period is not expiring within 2 years.

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: 06.04.2017.

(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/ L.Sh-11

Hyderabad,
Date:

To

Shri T.Nanaj
Mine Owner,
Near Jyothi Way Bridge
Chillakur Post & Mandal,
Nellore (Dt).

Sub : Violation of provisions of MCDR 2017 in respect of your Nanaji Limeshell Mine in Epuru Pattapupalem village, Muttukur (M) SPSR Nellore District, A.P. State, over an extent of 39.154 ha.-reg.

Dear Sir,

The following provisions of Mineral Conservation and Development Rules, 2017 were found violated in your above mine during inspection on 13.03.2017 by D.P.Ravikumar, Assistant Mining Geologist, Indian Bureau of Mines, Sub-Regional Office, Nellore in the presence Shri A Pakeeraiah representative of adjoining mine.

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 was approved for your Nanaji Limeshell Mine on 05.04.2006. The proposals are valid upto 2008-09 only. The next Scheme of Mining is required to be submitted for the next five years period at least 120 days before the expiry of five years period for which it was approved on the last occasion, has not been submitted to the Regional Controller of Mines, IBM, Secunderabad through Nellore office, so far.
27(2)	A Lessee has to submit financial assurance to the Regional Controller of Mines, Indian Bureau of Mines, Secunderabad before the execution of the lease. In case of existing mining lease, the lessee shall submit the financial assurance along with progressive Mine Closure Plan. However, it was found that the financial assurance for the above mine was not submitted by you till date to the Regional Controller of Mines, Indian Bureau of Mines, Secunderabad.
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 in F- 1 from January 2010 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 in G-1 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,

(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,
8th Cross Road, Jyothi Nagar,
Vedayapalem, AK Nagar (PO),
Nellore-524004.(A.P)
Dated: 27.04.2017.

AP/NLR/L.Sh-11

To

The Regional Controller of Mines
Indian Bureau of Mines
Secunderabad.

Sub: MCDR inspection report of Nanaji Limeshell Mine in Epurupattapalem village, Muthukur Mandal, SPSR Nellore district, Andhra Pradesh owned by Shri T.Nanaji.

Sir,

The above inspection report by D.P.Ravikumar, Assistant Mining Geologist in respect of his inspection on 13.03.2017 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

