

TMIS DATABASE FOR MCDR INSPECTION (MANUAL)

1(i)	Mine File No.	AP/NLR/LSh-12
(ii)	Mine Code No.	37 APR 15008
(iii)	Date of Inspection	13.03.2017
(iv)	Name of Mine	P.Jaganmohan Rao Limeshell mine
(v)	Name of the lessee with address	Sri P.Jaganmohan Rao 8-8-29, Plot No.61, Road No.15,Green Park colony, Karmanghat, Saroor Nagar,Hyderabad-35. Ph: 040 - 24071423
(vi)	Name of owner with address & phone	-do-
(vii)	Lease area in Ha.	39.473 Hectares (90.00 acres)
(viii)	Date of execution	20.8.2002
(ix)	Expiry date	19.8.2022
(x)	Date of first opening	24.3.03
(xi)	Earlier two dates of inspection	(i) 1.6.2007 (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, Lessee's representative
(xiv)	Mine address	
	State	Andhra Pradesh
	District	Nellore
	Village	Epuru Pattapupalem
	Mandal	Muthukur
	Post Office	Doruvulapalem
	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/ASOM	Scheme of Mining approved on 27.02.2008

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	39.473
8	Private land	-
9	Agricultural irrigated land	-
10	Agricultural non-irrigated land	-
12	Govt. grazing land	-
13	Govt. waste land	-
14	Govt. other land	39.473
15	Mineralised	30.0
16	Non-mineralised land	9.473
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	39.473

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	-				
Mining Engineer/ Geologist	-				
Manager	NIL	NIL	-	NIL	-

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 Rehabilita- ted
					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								

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 =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	27,827	CaO 54.62%	-	-	-	-	27827	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	Llimeshell	Annual Returns have not been submitted from 2010-11 to 2015-16. The draft violation letter for rule 45(5)(b)(viii) is being sent to RCOM, IBM, Secunderabad for further action.		
2011-12	Llimeshell			
2012-13	Llimeshell			
2013-14	Llimeshell			
2014-15	Llimeshell			
2015-16	Limeshell			

* 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 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	30	0.09	80	NIL	NIL	NIL
2. During the previous year	NIL	NIL	NIL	NIL	NIL	NIL
3. As on date of inspection(cumulative)	30	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 2010-11 to 2015-16.The necessary violation is being pointed out.	
Supervisory					
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				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), 24, 45(5)(a)(viii) & 45(5)(b)(viii) of MCDR were pointed out. In this regard, 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 12(3), 13(1) & 23 F(3). For non compliance of above violations pointed out, the mining operations were suspended by RCOM, IBM, Hyderabad vide letter No. AP/NLR/L.Sh-2 dated 10.12.2013.

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.

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 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		1000 cu.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/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 was not effected as mining was done below water.
b. Aesthetic environment	This will not effect due to manual mining below water. The lease area form part of river upputeru, also known as kandaleru river.
c. Soil and land use pattern	Collection of limeshell from river 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 & busheson the northern bank of river, 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.
C. Air environment	
a. Noise	Due to manual mining below 1m water, there is no impact on air environment.
b. Air	

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 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 2010-11 to 2015-16. Hence, no scrutiny could be done. Draft violation letter for rule 45(5)(c)(i) 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: 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/ L.Sh-12

Hyderabad,
Date:

To
Sri P.Jaganmohan Rao
8-8-29, Plot No.61,
Road No.15,Green Park colony,
Karmanghat,
Hyderabad-35.

Sub : Violation of provisions of MCDR 2017 in respect of your P.Jaganmohan Rao Limeshell Mine in Eperu Pattapupalem village, Muttukur (M) SPSR Nellore District, A.P. State, over an extent of 39.473 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, accompanied your representative Shri A Pakeeraiah .

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 Scheme of Mining for above mine was approved 27.02.2008 for a period of five years. The proposed period of approved Scheme of Mining has expired on 31.03.2013 and next Scheme of Mining was not been submitted to the Regional Controller of Mines, IBM, Secunderabad for the subsequent periods 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 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 from 2010-11 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/L.Sh-12

To

The Regional Controller of Mines
Indian Bureau of Mines
Secunderabad.

Sub: MCDR inspection report of PJR Limeshell Mine in EpuruPattapupalem village, Muthukur Mandal, SPSR Nellore district, Andhra Pradesh owned by P.Jagan Mohan Rao.

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

