

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

**MCDR INSPECTION REPORT**

**Hyderabad regional office**

**Mine file No :** AP/KNL/LST-133/HYD

**Mine code :** 38APR11075

- (i) Name of the Inspecting : **PR09** ) **M.Pratap.Reddy**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : SANJEEVA RAIDU REP OF LESSEE  
Official with  
Designation
- (iv) Date of Inspection : 19/08/2016
- (v) Prev.inspection date : 10/03/2015

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **PALKUR L.ST MINE**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address  
State : ANDHRA PRADESH  
District : KURNOOL  
Village : PALKUR  
Taluka : BANAGANAPALLE  
Post office : PALKUR  
Pin Code : 518176  
FAX No. :  
E-mail :  
Phone :
- (f) Police Station : BANGANAPALLI
- (g) First opening date : 17/07/1998
- (h) Weekly day of rest : SUN
2. Address for : N.DAKSHINAMURTHY,  
correspondance MINE OWNER, NEAR OLD BUS STAND,  
BANGANAPALLI, KUNOOL DISTRICT.
3. (a) Lease Number : APR1434
- (b) Lease area : 2.31
- (c) Period of lease : 20
- (d) Date of Expiry : 18/07/2019
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : N. DAKSHINA MURTHY  
 NEAR OLD BUS STAND MANDAL  
 BANAGANAPALLI DIST KURNOOL.  
 KURNOOL ANDHRA PRADESH  
 Phone:08515 - 27007.  
 FAX :

Owner : N. DAKSHINA MURTHY.  
 NEAR OLD BUS STAND, MANDAL  
 BANAGANAPALLI, DISTRICT  
 KURNOOL. KURNOOL ANDHRA  
 PRADESH  
 Phone: 08515 - 27007  
 FAX :

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	20/03/1998
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	05/05/2009
		Mining Scheme rule 12 MCDR1988	03/06/2009

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No approved valid proposals exists.	-	Violation of Rule 12(3) has been pointed out.The last valid approvals lapsed on 31.3.2014.
1b	Exploration over lease area for geological axis 1 or 2	No approved valid proposals exists.	The Limestone has been made exposed through mine workings and the scale of exploration can be considered as G2 scale.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No approved valid proposals exists.	-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No approved valid proposals exists.	The entire ML area has been explored to G2 scale of exploration.	
1e	Balance reserve as on 01/04/20	No approved valid proposals exists.	Nil	
1f	General remarks of inspecting officers on geology, exploration etc	No approved valid proposals exists.	The Limestone deposit is simple bedded deposit of Sedimentary origin.G2 scale of exploration in the form of mine workings has been carried out.	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	No approved valid proposals exists.	No mining operations are being carried out for the last six months.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No approved valid proposals exists.	A top sub bench of 0.5m in OB has been developed.and the remaining one bench is in ore i.e Limestone.	
2c	Stripping ratio or ore to OB ratio	No approved valid proposals exists.	nil	

2d	Quantity of topsoil generation in m3	No approved valid proposals exists.	During the preceeding year no top soil is generated.
2e	Quantity of overburden generation in m3	No approved valid proposals exists.	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	No approved valid proposals exists.	The deposit is simple sedimentary deposit. There is negligble overburden which is of contaminated nature..

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No approved valid proposals exists.	Single pit exists.	
3b	Quantity of ROM mineral production proposed	No approved valid proposals exists.	450 T of ROM is produced.	
3c	Recovery of sailable/usable mineral from ROM production	No approved valid proposals exists.	There is cent percent recovery of the Limestone.	
3d	Quantity of mineral reject generation	No approved valid proposals exists.	There is no generation of Mineral rejection.	
3e	Grade of mineral rejects generation and threshold value declared.	No approved valid proposals exists.	The threshold value for Limestone is 35% Cao. As said there is no mineral rejection.	
3f	Quantity of sub grade mineral generation.	No approved valid proposals exists	There is no generation sub grade mineral.	
3g	Grade of sub grade mineral generation	No approved valid proposals exists.	-	
3h	Manual / Mechanised method adopted for segregating from ROM	No approved valid proposals exists.	Manual segregation is resorted.	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No approved valid proposals exists.	None.	
3j	Provision of drilling and blasting in mineral benches	No approved valid proposals exists.	None, Mining operations are of manual nature.	
3k	Provision of mining machineries in mineral benches	No approved valid proposals exists.	No.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No approved valid proposals exists.	Yes,	
3m	Total area covered under excavation/pits	No approved valid proposals exists.	0.6 ha	
3n	Ore to OB ratio for the pit/mine during the year.	No approved valid proposals exists.	1:0.2	
3o	Total area put in use under different heads at the end of year	No approved valid proposals exists.	0.62 ha	
3p	Production of ROM mineral during the last five year period as applicable	2011-12=2130T, 2012-13=1875 T, 2013-14=2000 T, 2014-15 & 2015-16 no approved proposals exists.	2011-12=2400 T, 2012-13=2260 T, 2013-14=1200 T, 2014-15=535 T & 2015-16= 400 T	A violation cum show cause notice for non compliance of Rule 12(3) and 13(1) of MCDR 1988 has been issued to the Lessee.
3q	General remarks of inspecting officers on method of mining etc.	No valid approved proposals exists.	The mining method adopted is opencat manual method of mining.	

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No valid approved proposals exists.	As on the day of inspection there are no top soil/OB/Mineral reject dump exists in the Mining lease area.
4b	Location of topsoil, OB and mineral reject dumps	No valid approved proposals exists.	-
4c	Number of dumps within lease area and outside of lease area	No valid approved proposals exists.	None
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No valid approved proposals exists.	No waste dump exists in the Mining Lease area.
4e	Number of active and alive dumps.	No valid approved proposals exists.	None
4f	Number of dead dumps.	No valid approved proposals exists.	None
4g	Number of dumps established.	No valid approved proposals exists.	Nil.
4h	Whether Retaining wall or garland drain all along dumps are there.	No valid approved proposals exists.	No waste dump exists in the ML area.
4i	Length of Retaining wall or garland drain all along dumps	No valid approved proposals exists.	-
4j	Number of settling ponds	No valid approved proposals exists.	Nil
4k	Specific comments of inspecting officer on waste dump management	No valid approved proposals exists.	There is not much generation waste material and as such no dump exists.

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Solid Waste Management - Backfilling:

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Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No valid approved proposals exists.	The mineral is yet to exhaust and back filling at this stage does not arise at this stage.
5b	Area under backfilling of mined out area	No valid approved proposals exists.	Does not arise.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No valid approved proposals exists.	Does not arise.
5d	Total area fully reclaimed and rehabilitated	No valid approved proposals exists.	Nil.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No valid approved proposals exists.	The mined out area is yet to mature for backfilling and reclamation.

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Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	No valid approved proposals exists.	No report is submitted.	
6b	Area available for rehabilitation (ha) .	No valid approved proposals exists.	No area is available for rehabilitation.	
6c	afforestation done (ha).	No valid approved proposals exists.	-	
6d	No. of saplings planted during the year	No valid approved proposals exists.	-	
6e	Cumulative no .of plants	No valid approved proposals exists.	-	

6f	Any other method of rehabilitation	No valid approved proposals exists.	No rehabilitation measures have been undertaken.
6g	Cost incurred on watch and care during the year	No valid approved proposals exists.	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No valid approved proposals exists.	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No valid approved proposals exists.	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No valid approved proposals exists.	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No valid approved proposals exists.	-
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No valid approved proposals exists.	-
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No valid approved proposals exists.	-
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No valid approved proposals exists.	-



6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No valid approved proposals exists.	-
6p	Compliance of environmental monitoring (core zone and buffer zone)	No valid approved proposals exists.	-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	No valid approved proposals exists.	There is progressive closure proposals as the mineral is persisting both laerally and depth wise.

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No valid approved proposals exists.	There is no grade wise sorting and the entire ROM as such is despatched.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No valid approved proposals exists.	As said above there is no sorting of the mineral.	
7c	Different grade of mineral sorted out at mines.	No valid approved proposals exists.	No.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No valid approved proposals exists.	There is neither any sorting nor grading of mineral and the entire ROM as such is dipatched.	

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No valid approved proposals exists.	No top is removed during 2015-16.	

8b	Concurrent use or storage of topsoil	No valid approved proposals exists.	Does not arise.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No valid approved proposals exists.	No waste dump, Mineral reject and fines exists in the lease area.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No valid approved proposals exists.	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No valid approved proposals exists.	No such activity has been undertaken as the area is yet to mature for reclamation and rehabilitation.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No valid approved proposals exists.	Thorny bushes exists.No afforestation programme has been undertaken by the lessee.
8g	Survival rate	No valid approved proposals exists.	-
8h	Water sprinkling on roads to control airborne dust	No valid approved proposals exists.	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No valid approved proposals exists.	No aesthetic beauty prevails in and around ML area.

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Compliance of Rule 45:

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Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Monthly and Annual returns need to be submitted before the 10th of every month in respect of preceding month & an annual return which shall be submitted before the 1st July each year for the preceding financial year respectively.	The lessee is submitting the Monthly & Annual returns before the scheduled date. The Annual return for the years 2009-10 and 2014-15 have not been submitted	Violation of Rule 45(5)(b)(viii) has been pointed out.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not furnished.	Violation of Rule 42(1)(c)(ii) has been observed.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Furnished	There is no reclamation of pis and dumps.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No mineral rejection quantity is furnished.	There is no mial rejection.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	No stock details have been furnished	No mineral stock exists.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Furnished.	PMV furnished to be Rs.270/-,	

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**Details of violations observed during current inspection and compliance position of violation pointed out**

Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
Rule 42(1)(C)(II)	07/10/2016				
Rule 45(5)(b)	07/10/2016				
Rule 12(3)	07/10/2016				
Rule 13(1)	07/10/2016				
Rule 24	07/10/2016				

**Date :**

**(M.Pratap.Reddy)**

Indian Bureau of Mines