

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

**MCDR INSPECTION REPORT**

**Hyderabad regional office**

**Mine file No :** AP/KNL/LST-200/HYD

**Mine code :** 38APR11142

- (i) Name of the Inspecting : **PR09** ) **M.Pratap.Reddy**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : RAM GOUD REP.OF LESSEE  
Official with  
Designation
- (iv) Date of Inspection : 22/08/2016
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **NANDAVARAM(1.238 HA)**
- (b) **Registration NO.** :
- (c) Category : B Tiny
- (d) Type of Working : Opencast
- (e) Postal address  
State : ANDHRA PRADESH  
District : KURNOOL  
Village : NANDAVARAM  
Taluka : BANAGANAPALLI  
Post office : NANDAVARAM  
Pin Code : 518124  
FAX No. :  
E-mail :  
Phone : 9848071806
- (f) Police Station : BANAGANAPALLY
- (g) First opening date : 05/12/2001
- (h) Weekly day of rest : SUN
2. Address for : NANDAVARAM  
correspondance : MANDAL BANAGANAPALLY  
District KURNOOL
3. (a) Lease Number :
- (b) Lease area :
- (c) Period of lease :
- (d) Date of Expiry :
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : P R MURALI MOHAN REDDY  
PO &AT NANDAVARAM  
BANAGANAPALLY PO KURNOOL  
ANDHRA PRADESH  
Phone:9848071806  
FAX :

6. Date of approval of Mining : Fresh under rule 22 MCR1960 23/12/1999  
Plan/Scheme of Mining

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	There is no approved proposals exists.	No exploration is carried out.	No valid approved document exists and Violation of Rule 12(3) and 13(1) of MCDR 1988 has been pointed out.
1b	Exploration over lease area for geological axis 1 or 2	There is no approved proposals exists.	The Limestone in the ML area has been made exposed by the working pit and it can be considered as G1 scale of exploration.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	There is no approved proposals exists.	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	There is no approved proposals exists.	Nil	
1e	Balance reserve as on 01/04/20	There is no approved proposals exists.	About 25,000 T	
1f	General remarks of inspecting officers on geology, exploration etc	There is no approved proposals exists.	The Tuffaceous Limestone is made exposed both depth wise and laterally and its persistence is established.	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	There is no approved proposals exists.	Barring 7.5m, the entire ML area has been developed.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	There is no approved proposals exists.	A separate overburden bench soil/sub soil and limestone benches have been developed.	
2c	Stripping ratio or ore to OB ratio	There is no approved proposals exists.	Ore to Overburden ratio is negligible.	

2d	Quantity of topsoil generation in m3	There is no approved proposals exists.	As on the date of inspection there is no top soil. Mine is under non operation.
2e	Quantity of overburden generation in m3	There is no approved proposals exists.	The mine is under non operation. As on the date of inspection no sizeable Overburden exists in the mine.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	There is no approved proposals exists.	One pit exists in the ML area which has been developed systematically.

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	There is no approved proposals exists.	There exists one production pit.	
3b	Quantity of ROM mineral production proposed	There is no approved proposals exists.	The mine is under non operation for the last two years.	
3c	Recovery of sailable/usable mineral from ROM production	There is no approved proposals exists.	Entire ROM(100%) is recovered and dispatched. There are no mining losses.	
3d	Quantity of mineral reject generation	There is no approved proposals exists.	There is no mineral rejection.	
3e	Grade of mineral rejects generation and threshold value declared.	There are no valid approved proposals exists.	There is no mineral rejects generation.	
3f	Quantity of sub grade mineral generation.	There are no valid approved proposals exists.	There is no subgrade mineral generation.	
3g	Grade of sub grade mineral generation	There are no valid approved proposals exists.	Does not arise.	
3h	Manual / Mechanised method adopted for segregating from ROM	There are no valid approved proposals exists.	Manual method.	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	There are no valid approved proposals exists.	Does not arise.
3j	Provision of drilling and blasting in mineral benches	There are no valid approved proposals exists.	No drilling and blasting is involved.
3k	Provision of mining machineries in mineral benches	There are no valid approved proposals exists.	No mining machinery is deployed.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	There are no valid approved proposals exists.	Yes.
3m	Total area covered under excavation/pits	There are no valid approved proposals exists.	0.265 ha
3n	Ore to OB ratio for the pit/mine during the year.	There are no valid approved proposals exists.	Ore to overburden ratio is very negligisble.
3o	Total area put in use under different heads at the end of year	There are no valid approved proposals exists.	0.223 ha
3p	Production of ROM mineral during the last five year period as applicable	There are no valid approved proposals exists for the last five years period(2011-12 to 2015-16)	2011-12=26,500 T, 2012-13=4,800 T, 2013-14=0 T, 2014-15=0 T, 2015-16=0 T
3q	General remarks of inspecting officers on method of mining etc.	There are no valid approved proposals exists.	Manual opencast method of Mining is adopted. The mine is under non operation for the last three years.

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Solid Waste Management - Dumping:

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Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	There are no valid approved proposals exists.	There is no top soil dump exists.
4b	Location of topsoil, OB and mineral reject dumps	There are no valid approved proposals exists.	Does not arise.
4c	Number of dumps within lease area and outside of lease area	There are no valid approved proposals exists.	Nil.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	There are no valid approved proposals exists.	No waste dump exists.
4e	Number of active and alive dumps.	There are no valid approved proposals exists.	Nil.
4f	Number of dead dumps.	There are no valid approved proposals exists.	Nil
4g	Number of dumps established.	There are no valid approved proposals exists.	Nil.
4h	Whether Retaining wall or garland drain all along dumps are there.	There are no valid approved proposals exists.	retaining wall around the waste dump does not arise since no dump exists.
4i	Length of Retaining wall or garland drain all along dumps	There are no valid approved proposals exists.	Nil.
4j	Number of settling ponds	There are no valid approved proposals exists.	Nil.
4k	Specific comments of inspecting officer on waste dump management	There are no valid approved proposals exists.	There is no generation waste material in the ML area. Thus there is no waste dump management.

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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.	There are no valid approved proposals exists.	Limestone is yet to exhaust.
5b	Area under backfilling of mined out area	There are no valid approved proposals exists.	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	There are no valid approved proposals exists.	No top soil exists in the ML area.
5d	Total area fully reclaimed and rehabilitated	There are no valid approved proposals exists.	Nil.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	There are no valid approved proposals exists.	The M1 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).	There are no valid approved proposals exists.	No.	
6b	Area available for rehabilitation (ha) .	There are no valid approved proposals exists.	Nil.	
6c	afforestation done (ha).	There are no valid approved proposals exists.	Nil	
6d	No. of saplings planted during the year	There are no valid approved proposals exists.	Nil	
6e	Cumulative no .of plants	There are no valid approved proposals exists.	Nil.	

6f	Any other method of rehabilitation	There are no valid approved proposals exists.	No other method of rehabilitation.
6g	Cost incurred on watch and care during the year	There are no valid approved proposals exists.	Nil.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	There are no valid approved proposals exists.	The area is yet to mature for reclamation and rehabilitation.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	There are no valid approved proposals exists.	None.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	There are no valid approved proposals exists.	Not applicable.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	There are no valid approved proposals exists.	Not applicable.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	There are no valid approved proposals exists.	Not applicable.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	There are no valid approved proposals exists.	Not applicable.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	There are no valid approved proposals exists.	Not applicable.



6p	Compliance of environmental monitoring (core zone and buffer zone)	There are no valid approved proposals exists.	The mine is under non operation for the last three years and monitoring is done.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	There are no valid approved proposals exists.	As said the mine is under non operation for the last three years.No monitoring is done.

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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	There are no valid approved proposals exists.	The mine is under non operation for the last three years. There is no mineral dispatch.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	There are no valid approved proposals exists.	There is no sorting of mineral.	
7c	Different grade of mineral sorted out at mines.	There are no valid approved proposals exists.	No mineral sorting is done.	
7d	Any beneficiation process at mines .	There are no valid approved proposals exists.	No beneficiation is done.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	There are no valid approved proposals exists.	The entire Rom is saleable.There is no beneficiation process is involved.	

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#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	There are no valid approved proposals exists.	As there is no existance of top soil in the ML area.	

8b	Concurrent use or storage of topsoil	There are no valid approved proposals exists.	Does not arise.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	There are no valid approved proposals exists.	No such dumps exists in the ML area.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	There are no valid approved proposals exists.	Does not arise.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	There are no valid approved proposals exists.	The ML area is not yet matured for any reclamation and rehabilitation.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	There are no valid approved proposals exists.	There is no existence of Plantation.
8g	Survival rate	There are no valid approved proposals exists.	Nil.
8h	Water sprinkling on roads to control airborne dust	There are no valid approved proposals exists.	The mine is under non operation for the last three years.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	There are no valid approved proposals exists.	No aesthetic beauty exists in the 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	The Monthly Monthly Returns in Form Returns should F-8 since April 2013 be submitted have not been before 15th of submitted & Annual every month in Returns in Form H-8, for respect of the year 2013-14, 2014- preceding 15 and 2015-16 have not month and. The been submitted. Annual Returns should be submitted before 1st Jul in respect of preceding year.	Violation of Rule 45(5)(a)(viii) & 45(5)(b)(viii) of MCDR 1988 were pointed out to the lessee.
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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 12(3)	27/10/2016				
Rule 13(1)	27/10/2016				
Rule 23B(2)	27/10/2016				
Rule 23F(1)	27/10/2016				
Rule 45(1)(a)	27/10/2016				
Rule 45(1)(b)	27/10/2016				

**Date :**

**(M.Pratap.Reddy)**

Indian Bureau of Mines