

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

**MCDR INSPECTION REPORT**

**Hyderabad regional office**

**Mine file No :** AP/NLG/LST-24/HYD

**Mine code :** 38APR14030

- (i) Name of the Inspecting : **RA15** ) **Rajesh Kumar Das**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Sri V Ramachandram, AGM(Mines)  
Official with  
Designation
- (iv) Date of Inspection : 10/02/2016
- (v) Prev.inspection date : 08/07/2014

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **ANJANI**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : **TELANGANA**  
District : **NALGONDA**  
Village : **CHINTALAPALEM**  
Taluka : **MELLA CHERUVU**  
Post office : **GUDIMALKAPURAM**  
Pin Code : **500082**  
FAX No. : **9140-23353093**  
E-mail : **vencera@hd2.vsnl.net.in**  
Phone : **23353096,23353106**
- (f) Police Station : **MELLACHERVU**
- (g) First opening date : **15/12/1999**
- (h) Weekly day of rest : **SUN**
2. Address for : **CHINTAPALEM VILLAGE**  
correspondance : **MELLACHERVU MANDAL**  
: **NALGONDA DISTRICT**
3. (a) Lease Number : **APR0524**
- (b) Lease area : **33.99**
- (c) Period of lease :
- (d) Date of Expiry : **26/09/2013**
4. Mineral worked : **LIMESTONE** Main

## 5. Name and Address of the

Lessee : M/S ANJANI PORTLAND CEMENT LTD  
 SITHA NILAYAM 153  
 DWARAKAPURI COLONY  
 PUNJAGUTTA HYDERABAD  
 TELANGANA  
 Phone: 3353093  
 FAX : 40-3353093

Owner : K.V.VISHNU RAJU  
 153, SITANILAYAM DWARKAPURI  
 COLONY, PUNJAGUTTA  
 HYDERABAD TELANGANA  
 Phone: 040-23353096  
 FAX : 040-23353093

Agent : S.N.RAJU  
 CHINTHAPALEM VILLAGE  
 GUDIMALKAPURAM nALGONDA  
 DIST. NALGONDA TELANGANA  
 Phone: 08683-230160  
 FAX : 08683-230024

## Mining Engineer

Name : V.RAGHAVENDRA, Full Time  
 Qualification : B.TECH(Mining)  
 Appointment/ : 08/11/2007  
 Termination date

## Manager

Name : V.RAMACHANDRAM  
 Qualification : DIPLOM IN MINING  
 Appointment/ : 05/06/2007  
 Termination date

6. Date of approval of Mining	:	Modif.of approved Mining Plan	02/06/2003
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	21/02/2005
		Renewal under rule 24 MCR1960	14/02/2012
		MP modif under MCR 1960	21/08/2015

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for geological axis 1 or 2	for 2015-16 ,11 nos core bore holes proposed	The work was not started upto the inspection day.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	13.73 ha.	work yet to start.	
1e	Balance reserve as on 01/04/20	13.92 million tons as on 01.04.2015	13.92 million tons as on 01.04.2015	as per the new approved document dated 20.08.2015
1f	General remarks of inspecting officers on geology, exploration etc		The deposit is uniform and maximum ML area is explored .	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	East & South of ML	Broadly as per proposal.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	There are 4 mineral benches and no overburden and top soil bench.	Working has been carried out broadly as per proposal. There is no overburden available and topsoil availability also negligible.	
2c	Stripping ratio or ore to OB ratio	1:0	1:0	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	Nil	Nil	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	The excavation is done broadly as per proposal but due to less production excavation is less. The availability of top soil is negligible and if small quantity available is used for plantation.
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**Exploitation:**

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one pit	one pit	
3b	Quantity of ROM mineral production proposed	2014-15 limestone 1651915 MT & 2015-16 limestone 15520000 MT	2014-15 limestone production 852949 MT 2015-16 (upto 31st January 2016) limestone production 852949 MT	
3c	Recovery of sailable/usable mineral from ROM production	2014-15 limestone 1651915 MT & 2015-16 limestone 15520000 MT	2014-15 limestone production 852949 MT 2015-16 (upto 31st January 2016) limestone production 852949 MT	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA	

3j	Provision of drilling and blasting in mineral benches	Proposed for deep hole drilling & blasting. with 110 mm dia drill and blasting using slurry explosive 20% as booster charge and rest ANFO as column charge.	The drilling and blasting done as per proposal.
3k	Provision of mining machineries in mineral benches	Hydraulic excavators of 09.,1.0 & 4.2 cu.m. bucket capacity and tippers of 10 ton and 17 ton capacity.	As per the proposal.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes,There is no overburden bench proposed and the height of bench in mineral maintain 6 meter.	The same bench height maintained.
3m	Total area covered under excavation/pits	21.22 Ha. as on 1.04.2015	The area covered for excavation is broadly same as proposed.
3n	Ore to OB ratio for the pit/mine during the year.	NA	NA
3o	Total area put in use under different heads at the end of year	24.61 ha.	as per proposal.
3p	Production of ROM mineral during the last five year period as applicable	2010-11--- 765164 MT,2011-12--- 1365993 MT,2012-13--- 1433018 MT,2013-14--- 1647035 MT,2014-15--- 1651915 MT	2010-11---763000 MT 2011-12---950000 MT 2012-13---1015000 MT 2013-14---1012000 MT 2014-15---839218.826 MT
3q	General remarks of inspecting officers on method of mining etc.		The method of mining is opencast method with a bench height of 6 meter height.

## Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Nil	Nil	
4b	Location of topsoil, OB and mineral reject dumps	NA	NA	
4c	Number of dumps within lease area and outside of lease area	Nil	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NA	
4e	Number of active and alive dumps.	Nil	Nil	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	NA	NA	
4i	Length of Retaining wall or garland drain all along dumps	NA	NA	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management			As there is no waste generation therefore no waste dump.

## Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Nil	Nil	

5b	Area under backfilling of mined out area	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil
5d	Total area fully reclaimed and rehabilitated	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.		As mentioned earlier there is no waste generation and mineral in pit also not exhausted therefore no backfilling observed.

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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	broadly done as per proposal.	
6b	Area available for rehabilitation (ha) .	nil	nil	
6c	afforestation done (ha).	0.76 ha	0.6 ha.	
6d	No. of saplings planted during the year	2280 nos of saplings in 2014-15 proposed	2350 nos of saplings.	
6e	Cumulative no .of plants	10200 nos in las five years	6058 nos.	
6f	Any other method of rehabilitation	NA	NA	
6g	Cost incurred on watch and care during the year			

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	NA	NA
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NA	NA
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	NA
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NA	NA
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	NA
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NA	NA



6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitoring.	Yes
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		progressive closure operation done as per proposal.

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Gradewise sorting nil,ROM dispatch proposal for 2014-15, 1651915 MT	Gradewise sorting nil,ROM dispatch for 2014-15, 852949 MT	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	NA	
7c	Different grade of mineral sorted out at mines.	Nil	Nil	
7d	Any beneficiation process at mines	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			There is no subgrade mineral generation and most of the mineral is feedable therefore ROM directly feeded to crusher.

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Top soil generation is negligible and if any topsoil generation takes place, the same is used for plantation.
8b	Concurrent use or storage of topsoil	NA	NA
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not applicable as there is no waste, overburden or reject generation.	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		1200 nos within lease area and 600 outside lease area.
8g	Survival rate		80%
8h	Water sprinkling on roads to control airborne dust	Dedicated water tanker of 10KL capacity provided.	Dedicated water tanker of 10KL capacity deployed for water sprinkling.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		No adverse impact observed on aesthetic beauty.

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Compliance of Rule 45:

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Sl.No.	Item	Proposals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	MR submitted upto January 2016 and monthly return upto 2014-15.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer -Sri J.Srinivasa Raju,Geologist -Sri. Sk Nagur Meera saheb,Manager-Sri V.Ramachandram	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	24.290 ha. area for pit,0.5 ha. occupied by building ,wefare building,roads & 0.5 ha. offorestation.	
9d	Scrutiny of Annual return on afforestation	2350 nos saplings within ML area. , survival-85%	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	cost of production-183.9 Rs,Ex..Mine price-184 Rs,sale value nil (as the limestone use for captive cosumption).	

9h	Scrutiny of Annual return on fixed assets	At the beginning of the year-20992 Rs,additional during the year-308 Rs & depriciation-954 Rs.Fixed asset value-Rs 20346/-
9k	Scrutiny of Annual return on mining machineries	Backhoe-09 & 1.2 cu.m(one each).Blast hole drill-114 mm(one),Air compressor-420 cum/mn,tipper-11 cum(15 nos)

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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 13(1)	18/02/2016	22/06/2016			
Rule 23E(2)	18/02/2016	22/06/2016			
Rule 42(1)(b)(ii)	18/02/2016	22/06/2016			

**Date :**

**(Rajesh Kumar Das)**

Indian Bureau of Mines