

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

**Review and updation of Mining Plan REPORT**

**Hyderabad regional office**

**Mine file No :** TS/SUPT/LST-37/HYD

**Mine code :** 38TNG08003

- (i) Name of the Inspecting : **M029** ) **MADHU SUDHAN YADAV M**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Sri.V.Ramachandram, Mines Manager, Sri. D.N.Gulhane,  
Official with  
Designation
- (iv) Date of Inspection : 09/10/2020
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **CHINTALAPALEM(15 HA)**
- (b) **Registration NO.** : **IBM/8493/38APR14030**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : **TELANGANA**
- District : **NALGONDA**
- Village : **CHINTALAPALEM**
- Taluka : **CHINTALAPALEM**
- Post office : **CHINTALAPALEM**
- Pin Code : **508246**
- FAX No. :
- E-mail : **info@anjanicements.com**
- Phone : **08683-230166**
- (f) Police Station : **CHINTALAPALEM**
- (g) First opening date : **01/01/2018**
- (h) Weekly day of rest : **SUN**
2. Address for : **ANJANI PORTLAND CEMENTS**  
correspondance : **CHINTALAPALEM VILLAGE & MANDAL**  
**TELANGANA STATE**
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 : M/S ANJANI PORTLAND CEMENT LTD  
SITHA NILAYAM 153  
DWARAKAPURI COLONY  
PUNJAGUTTA HYDERABAD  
TELANGANA  
Phone:3353093  
FAX :40-3353093

6. Date of approval of Mining  
Plan/Scheme of Mining

: MP under 16(1) of MCR 2016  
MP modif under 17(3) MCR 2016

09/09/2016  
20/09/2018

## 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	No proposal	Nil	Entire mineralised area is explored under G1 level of exploration.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserve as on 01/04/20	Reserves - 3.579 million tonnes as on 31/08/2020	Reserves - 3.579 million tonnes as on 31/08/2020	
1f	General remarks of inspecting officers on geology, exploration etc			Entire lease area is explored under G1 level of exploration.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	E-1853274 to E-1853237 N-389130 to N-389174	Work done within the proposed co-ordinates.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No topsoil and OB benches proposed. Only Mineral benches proposed	No topsoil and OB benches developed. Mineral benches developed.	
2c	Stripping ratio or ore to OB ratio	No proposal	No OB is generated in the lease area.	There will be no generation of OB as mineral is found to occur as outcrop in most of the area.
2d	Quantity of topsoil generation in m3	No proposal	Nil	

2e	Quantity of overburden generation in m3	No proposal	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			No topsoil and overburden generated in the mine. Mining operations being carried out in the mineral benches only.

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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	2019-20 - 99995 Te	2019-20 - 81499 Te	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	No proposal	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	Nil	
3f	Quantity of sub grade mineral generation.	No proposal	Nil	
3g	Grade of sub grade mineral generation	Not applicable	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	nIL	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Nil	

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3j	Provision of drilling and blasting in mineral benches	Drilling and blasting is proposed.	Blast hole drilling of 115mm dia is being carried out. Blasting is done with slurry explosives and NONEL detonators.	
3k	Provision of mining machineries in mineral benches	Excavator - 2 Nos. Drilling machine - 1No. Tipper - 3 No.	Excavator - 2 Nos. Drilling machine - 1No. Tipper - 3 No.	HEMM deployed as per proposal.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench height of 6m is proposed.	Digging height of the excavator is compatible for proposed bench height fo 6m.	
3m	Total area covered under excavation/pits	1.48 Ha	1.015 Ha	
3n	Ore to OB ratio for the pit/mine during the year.	No proposal	Nil	
3o	Total area put in use under different heads at the end of year	Openpit - 4.02 Ha Roads - 0.41 Ha Greenbelt - 0.563 Ha	Openpit - 0.812 Ha Greenbelt - 0.586 Ha	
3p	Production of ROM mineral during the last five year period as applicable	2016-17 - 95016 MT 2017-18 - 95047 MT 2018-19 - 80100 MT 2019-20 - 99995 MT 2020-21 - 99995 MT	Mine opened on 01/01/2018 2017-18 - 500 MT 2018-19 - 53,600 MT 2019-20 - 89,499 MT 2020-21 - 34,740 MT (upto Aug'20)	
3q	General remarks of inspecting officers on method of mining etc.			

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Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal	Nil	

4b	Location of topsoil, OB and mineral reject dumps	Not applicable	Nil	
4c	Number of dumps within lease area and outside of lease area	No proposal	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	No proposal	
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.	No proposal	Nil	
4i	Length of Retaining wall or garland drain all along dumps	No proposal	Nil	
4j	Number of settling ponds	No proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management			No topsoil, OB and mineral rejects generated in the mining area.

#### 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.	No proposal	Nil	
5b	Area under backfilling of mined out area	No proposal	Nil	

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	Nil	
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			The pit is not mined out upto its ultimate pit limit to start backfilling.

## 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).	To be submitted as per rule	Submitted	
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6c	afforestation done (ha).	0.112 Ha	0.168 Ha	
6d	No. of saplings planted during the year	2019-20 - 224 Nos.	2019-20 - 420 Nos.	
6e	Cumulative no .of plants	No proposal	Till 2019-20 - 1485 Nos.	
6f	Any other method of rehabilitation	No proposal	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly environmental monitoring of core and buffer zone.	Quarterly environmental monitoring carried out during 2019-20.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Environment monitoring has been carried out during 2019-20 and all the parameters are within the permitted limits.

## Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal	Nil	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	Nil	
7c	Different grade of mineral sorted out at mines.	No proposal	Nil	
7d	Any beneficiation process at mines .	No proposal	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No sub grade ore has been generated. Beneficiation is not required as the entire ROM mineral feedable to the captive plant

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	Nil	
8b	Concurrent use or storage of topsoil	No proposal	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	



8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No proposal	Nil	
8g	Survival rate	80%	70%	
8h	Water sprinkling on roads to control airborne dust	Water Tankers for dust suppression.	Water tanker is provided for dust suppression.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Greenbelt development is well developed within the lease area.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Annual returns and monthly returns to be submitted as per rule.	Annual and monthly returns submitted in time.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer -1 Geologist -1 Manager - 1	Mining Engineer - Sri. G.Ganesh Manager - Sri. V.Ramachandram Geologist - Sri. Manojkumar	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Openpit - 0.812 Ha Greenbelt - 0.586 Ha	Same as submitted	

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9d	Scrutiny of Annual return on afforestation	420 Nos.	Broadly as submission and same quantity is verified in afforestation register maintained.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	No mineral reject generated in the mine.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of production - Rs.235.41/-	Rs.235.41/-	Lessee has reported Transportation cost as other cost. Lessee has requested to revert back the Annual Returns for updating the cost of production.
9h	Scrutiny of Annual return on fixed assets	Rs.21917/-	Fixed cost is wrongly mentioned as Rs.21917/- . Lessee has requested to revert back the Annual Returns for updation.	
9k	Scrutiny of Annual return on mining machineries	Excavator - 1 No. Drilling machine - 1 No. Tipper - 3 Nos.	Excavator - 1 No. Drilling machine - 1 No. Tipper - 3 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

**Date :**

**(MADHU SUDHAN YADAV M)**

Indian Bureau of Mines