

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

**MCDR inspection REPORT  
Hyderabad regional office**

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

**Mine code :** 38TNG08003

- (i) Name of the Inspecting : **160** ) **kalmata.M.K**  
Officer and ID No.
- (ii) Designation : Regional Mining Geologist
- (iii) Accompanying mine : Shri V. Ramachandram Mines Manager  
Official with  
Designation
- (iv) Date of Inspection : 22-AUG-23
- (v) Prev.inspection date : 21-MAY-22

**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-JAN-18**
- (h) Weekly day of rest : **SUN**
2. Address for : **ANJANI PORTLAND CEMENTS**  
correspondance : **CHINTALAPALEM VILLAGE & MANDAL**  
**TELANGANA STATE**
3. (a) Lease Number : **N.A**
- (b) Lease area : **15.00Ha**
- (c) Period of lease : **50 years**
- (d) Date of Expiry : **31.10.2067**
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 : N Venkat Raju  
 M/s Anjani Portland Cements  
 Limited Gudimalkapuram  
 Suryapet District NALGONDA  
 TELANGANA  
 Phone: 9949459997  
 FAX :

Agent : N Venkat Raju  
 M/s Anjani Portland cements  
 Limited Gudimalkapuram  
 Suryapet NALGONDA TELANGANA  
 Phone: 9949459997  
 FAX :

## Mining Engineer

Name : G Ganesh, Full Time  
 Qualification : B tech Mining  
 Appointment/ :  
 Termination date

## Geologist M.Anandha Raja

Name :  
 Qualification : Msc geology  
 Appointment/ :  
 Termination date

## Manager

Name : V Ramachandram  
 Qualification :  
 Appointment/ :  
 Termination date

6. Date of approval of Mining	:	MP under 16(1) of MCR 2016	09-SEP-16
Plan/Scheme of Mining		MP modif under 17(3) MCR 2016	20-SEP-18
		MP review under 17(1) MCR 2016	03-NOV-20

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration is proposed in the present plan period.	None in the present plan period.	Entire mineralized area is already explored under G-1 level, so no exploration proposal is given in the present plan period.
1b	Exploration over lease area for geological axis 1 or 2	None in the present plan period.	None in the present plan period.	Entire mineralized area is already explored under G-1 level.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	None in the present plan period.	None.	Total 09 boreholes were drilled during previous plan period. The exploration was carried out by lessee only and expenditure incurred on exploration is approximately 6.2 lakhs.
1d	Balance area to be explored to bring Geological axis in 1 or 2	None.	None.	Entire mineralized area is already explored under G-1 level.

1e	Balance reserve as on 01/04/20	Reserves/resources as per the approved document dated 03.11.2020 are as follows. (reserves/resources as on 31.08.2020) (unit in tonnes) Proved Mineral Reserves (111) - 6469500 Feasibility Mineral Resources (211) - 3579185 Measured Mineral Resources (331) - 11130853 Total:  21179538	Reserves/resources as on 01.04.2023 (unit in tonnes) Proved Mineral Reserves (111) - 6209890 Feasibility Mineral Resources (211) - 3579185 Measured Mineral Resources (331) - 11130853 Total:  20919928	The reserves/resources figures were updated by depelting ROM production of 259610 tonnes carried out from 01.09.2020 to 31.03.2023.
1f	General remarks of inspecting officers on geology, exploration etc	The formation is belongs to cudappa basin and entire lease area is mineralized. Grade of the limestone varies from 345 cao to 49%Cao and average grade of the limestone is 47% Cao. Entire mineralized area is explored under G-1 level by drilling 09 boreholes.		

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Development :

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Sl.No.	Item	Propasals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	In the year 2022-23, there was a proposal to work between the co-ordinates N 1852748 to N 1852960 and E389650 to E 389780.	Actual working has been carried out between the co-ordinates N 1852720 to N 1852980 and E 389750 to E 389830.	Working has been not carried out as per the proposal and violation is pointed out for the same under Rule 11(1) of MCDR 2017.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Benches were proposed in ore only.	Benches were made in ore only.	
2c	Stripping ratio or ore to OB ratio	1:0	1:0	No OB has been proposed and handled in the present plan period.
2d	Quantity of topsoil generation in m3	None.	None.	
2e	Quantity of overburden generation in m3	None.	None.	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		The working has been commenced from common boundary side of lease No-I of same lessee. Only one bench is developed so far, in the year 2022-23 working was not carried out as per the proposal and violation is pointed out for the same under Rule 11(1) of MCDR 2017.	

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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	1,00,000 tonnes in the year 2022-23.	95,349 tonnes in the year 2022-23.	In the year 2022-23 production is achieved almost 95%.
3c	Recovery of sailable/usable mineral from ROM production	100%.	100%.	

3d	Quantity of mineral reject generation	None.	None.	
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable.	Not applicable.	
3f	Quantity of sub grade mineral generation.	None.	None.	
3g	Grade of sub grade mineral generation	Not applicable.	Not applicable.	
3h	Manual / Mechanised method adopted for segregating from ROM	None.	None.	Lessee is sending ROM of Cement grade by blending.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	None.	None.	
3j	Provision of drilling and blasting in mineral benches	Yes proposed.	Lessee is doing drilling and blasting as per the proposal.	using Rock drilling machine of 115 mm capacity of drilling and Lessee is using loose amonium nitrate and slurry explosives for blasting.
3k	Provision of mining machineries in mineral benches	Yes, proposed combination of Excavators and tippers for production and development.	Lessee is using excavator of 0.9cum capacity and tippers of 11 cum capacity for production and development.	Additionally lessee is using rock drilling machine of 115 mm capacity and Air compressor for drilling blasting holes.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed 7.0 mtr bench height.	Average bench height was maintained 6.5 to 7.00 mtrs	Lessee has proposed mechanized method of mining and the bench height maintained is suitable for the nature of the deposit & method of mining adopted.

3m	Total area covered under excavation/pits	Area under mining 4.02Ha in the present plan period upto 31.03.2026.	Area under mining 2.80 Ha, as per updated plan of June 2023.
3n	Ore to OB ratio for the pit/mine during the year.	1:0	1:0
3o	Total area put in use under different heads at the end of year	Area under Mining 4.02Ha, Roads-0.410Ha.	Area under mining- 2.80Ha, Roads-Nil, Green belt-1.03Ha.
3p	Production of ROM mineral during the last five year period as applicable	2022-23 1,00,000 tons 2021-22 1,00,000 tons 2020-21 1,00,000 tons 2019-20 1,00,000 tons 2018-19 1,00,000 tons	2022-23 95,349 tons 2021-22 1,00,000 tons 2020-21 99,992 tons 2019-20 81,499 tons 2018-19 53,600 tons
3q	General remarks of inspecting officers on method of mining etc.	The working has been commenced from common boundary side of Anjani mine( Lease-I ) of same lessee. The method of mining adopted is fully mechanized. The bench height is maintained 6.5 to 7.00 mtr and width more than 15.00 mtrs. The bench parameters maintained are suitable for the nature of the deposit and method of mining adopted.	

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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	None.	None.	Entire proposed area is mineralized , no waste and topsoil is existing within the lease area to handle in the present plan period.

4b	Location of topsoil, OB and mineral reject dumps	None in the present plan period.	None in the present plan period.	
4c	Number of dumps within lease area and outside of lease area	None in the present plan period.	None in the present plan period.	Entire proposed area is mineralized and no topsoil or waste is existing to handle.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	None.	None.	No dumps are existing within the lease area.
4e	Number of active and alive dumps.	None.	None.	
4f	Number of dead dumps.	None.	None.	
4g	Number of dumps established.	None.	None.	
4h	Whether Retaining wall or garland drain all along dumps are there.	None.	None.	
4i	Length of Retaining wall or garland drain all along dumps	Not applicable.	Not applicable.	
4j	Number of settling ponds	No comments.	No comments.	
4k	Specific comments of inspecting officer on waste dump management		No waste or OB is generated in the present plan period and no waste dump is existing within the lease area.	

#### Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	None.	None.	The mineral is not extracted up to the proved level and no backfilling is proposed and made in the present plan period.
5b	Area under backfilling of mined out area	None.	None.	



5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	None.	None.
5d	Total area fully reclaimed and rehabilitated	None.	None.
5e	General remarks of inspecting officers on backfilling and reclamation etc.		The mineral is not extracted up to proved depth, so no backfilling is made in the present plan period.

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).	Before 01 july of every year, for the preceding financial year.	Submitted yearly report on PMCP within time limit.	
6b	Area available for rehabilitation (ha) .	None.	None.	
6c	afforestation done (ha).	0.55Ha in the year 2022-23.	0.75Ha in the year 2022-23.	
6d	No. of saplings planted during the year	120 saplings in the year 2022-23	500 saplings in the year 2022-23.	
6e	Cumulative no .of plants	600 saplings in the present five years block period (2021-22 to 2025-26).	840 saplings were planted up to 2022-23.	Total saplings planted so far is 2585.
6f	Any other method of rehabilitation	None.	None.	
6g	Cost incurred on watch and care during the year	None.	Approximately 1.0 lakh.	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	None.	None.	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	None.	None.	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	None.	None.	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	None.	None.	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	None.	None.	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	None.	None.	Plantation was proposed and in the 7.5 mtr safety zone.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	None.	None.	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	None.	None.	

6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed regular monitoring of Air, water and noise in the core and buffer zone.	Lessee has carried out environmental monitoring for the quarter ending June 2023, for Air, Water and Noise and all the parameters are found within permissible limit.	Environmental monitoring was carried out by Pragathi Labs & Consultants Pvt.Ltd,. Hyderabad. Lessee has submitted copy of report to this office.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		The mine is recently opened and only one bench is existing in the said lease. In the present five years block period only plantation was proposed and plantation was made morthan the proposal. Further, lessee has carried out air, water, monitoring and reports are withinthe permissible limits.	

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Proposed Dispatch of grade wise limestone from mine.	Dispatching cement grade limestone to plant, linked to this lease.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	None.	None.	Lessee is sending entire limestone removed as cement garde to plant linked to the mine.
7c	Different grade of mineral sorted out at mines.	Cement Grade	Cement Grade.	
7d	Any beneficiation process at mines .	None.	None.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Lessee is using entire ROM by blending high grade ore with low grade as per the requirment of the plant.	

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## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	None.	None.	
8b	Concurrent use or storage of topsoil	None	None.	No topsoil is generated in the present plan period.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	None.	None.	Generation of OB, waste, reject and fines in Nil.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	None.	None.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	None.	None.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	None	Information is furnished in the approved document. Additionally, lessee has planted about 2585 saplings so far within the lease area.	
8g	Survival rate	70%	70 to 75%.	Lessee is well taking care of plantation by regular monitoring.
8h	Water sprinkling on roads to control airborne dust	Yes, proposed.	Regularly sprying water on the working benches, Haul road etc.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		The mine is recently opened and only bench is existing within the lease area. Benches were maintained properly and Plantation is made in the 7.5mtr safety zone.	

## Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	A monthly returns shall be submitted before 10 th day of every month in respect of preceding month and an annual returns shall be submitted before 1st day of July of each year for the preceding financial year.	Lessee is submitting Monthly and annual returns within the time limit.	Submitted Annual returns for the year 2022-23 and Monthly returns up to July 2023.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per the Annual returns submitted for the year 2022-23, the details of Mining Engineer and Geologist are as follows. Name of the Mining Engineer:- G.Ganesh, Geologist:- M.Anandha Raja, Mines Manager- V.Ramachandram .	The details furnished in the annual returns are correct.	Both, Geologist and mining engineer were present during the inspection.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under pits 2.52Ha, Green belt 1.034Ha.	Area under mining- 2.800Ha, Green belt=1.034Ha. As on july 2023.	The details furnished in the annual returns, regarding land use pattern is appears correct.
9d	Scrutiny of Annual return on afforestation	500 sapling in the year 2022-23 with survival rate of 75%	The details furnished in the annual returns is found correct.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	None.	None.	

9f	Scrutiny of Annual return on ROM stock and/or graded ore	As per the annual returns submitted for the year 2022-23, details of stock positions are as follows. ROM:- Opening and closing stock-Nil, Production-95349.460 tonnes. Graded ore, Cement grade, Opening and closing stock-Nil, Production and dispatch-95349.46tonnes .	The details of stock positions furnished are found in order.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of production and Ex-mine pice:- Rs 206.71, Sale value- Nil.	The information furnished in the AR submitted for the year 2022-23 is found correct.	The entire production is utilized in the captive cement plant and no ore is dispatched under otherthan captive purpose, so sale value is nil only.
9h	Scrutiny of Annual return on fixed assets	Value of fixed assets was shown as Rs 424180.	The information furnished in the annual returns is appears correct.	
9k	Scrutiny of Annual return on mining machineries	Back Hoe of 0.9 Cum capacity-01, Air compressor-01, Rock drill machine of 115mm -01, Tippers of 11 CUM capacity-02.	The information furnished is found correct.	

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

Violation observed		Show couse position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on

**Date :**

(kalmata.M.K)

Indian Bureau of Mines