

**Indian Bureau of Mines**  
**Minerals Development and Regulation Division**  
**MCDR Inspection Report**  
**Hyderabad Regional Office.**

**Mine File:** TS/SUPT/LST-37/HYD

**Mine Code:** 38TNG08003

1) Name of Inspecting officer:	<b>Shri .M.K.Kalmata</b>
2) Designation	Regional mining Geologist
3) Accompanying mine official with designation	J. Srinivasa Raju G. M.-Mines,
4) Date of Inspection	11.12.2024
5) Date of Previous Inspection	29.05.2024

**Part-I: General**

S.No.	Particulars	Details
1	Name of the Mine	Anjani Limestone Mine-IV
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	15.00Ha
3	Mine code	38TNG08003
4	IBM Registration Number under rule 45 of	IBM/8493/2012
5	Name of the lessee, Address, phone, email and fax number	M/s. Anjani Portland Cement Limited Gudimalakapuram-Post, Chintalapalem (V&M), Suryapet-District. Telangana-508246. +91 08683 230 158 <a href="mailto:mines@anjanicement.com">mines@anjanicement.com</a> +91 08683 230 024
6	Village	Chintalapalem
7	Taluka/Mandal	Chintalapalem
8	District	Suryapet
9	Pin code	508246
10	State	Telangana
11	Post office	Chintalapalem
12	Nearest police station	Chintalapalem
13	Nearest Railway station	Miryalaguda
14	Date of Grant of Mining Lease	11.01.2017
15	Date of Execution	11.01.2017

16	Period	10.01.2067 (50 years)
17	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	N. Venkat Raju B-401, Anjanipuram, Gudimalkapuram –Post, Chintalapalem (V&M), Suryapet-District. Telangana- 508246. Mobil:9949459997
18	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	N. Venkat Raju, B-401, Anjanipuram, Gudimalkapuram –Post, Chintalapalem (V&M), Suryapet-District. Telangana- 508246. Mobil:9949459997
19	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines, qualification	V. Ramachandram Manager-(Mines) B-202, Anjanipuram, Gudimalkapuram-Post, Chintalapalem (V&M), Suryapet-District. Telangana- 508246. Mobil:9949433528
20	Name of the Mining Engineer & Geologist, Qualification and date of appointment in mine,	Mining Engineer: G.Ganesh, (B.E. Mining) D.O.A:-01.12.2016  Geologist:- M.Anandha Raja, Msc Geology. D.O.A:- date-10.08.2018
21	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Review of Mining Plan: AP/NLG/MP/Lst-72/HYD, dated: 03.11.2020. For the block period 2021-22 to 2025- 26.
22	Name of the Mineral	Limestone
23	Method of Mining(Opencast, Underground)	Opencast
24	Category (Fully Mechanized, Others or Manual)	Fully Mechanized
25	Captive/Non Captive	Captive

**PART-II****Exploration :**

<b>Sl. No.</b>	<b>Item</b>	<b>Proposals</b>	<b>Actual Work</b>	<b>Remarks</b>
1a	Backlog of previous year	None in the present five year block period (2021-22 to 2025-26)	No exploration has been carried out by the lessee in the present five year block period.	Entire Mineralized area is already explored under G-1 Level.
1b	Exploration over lease area for geological axis 1 or 2	None in the present five year block period (2021-22 to 2025-26)	No exploration has been carried out by the lessee in the present five year block 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 five year block period (2021-22 to 2025-26)	No exploration has been carried out by the lessee in the present five year block period.	Total 09 exploratory boreholes were drilled so far and expenditure incurred on exploration is Rs 623750. Exploration is carried out by Lessee only under the supervision of Geologist appointed under Rule 55 of MCDR 2017.

1d	Balance area to be explored to bring Geological axis in 1 or 2	None in the present five year block period (2021-22 to 2025-26)	No exploration has been carried out by the lessee in the present five year block period.	Total lease area is 15.00Ha and entire lease area is mineralized and entire area is explored under G-1 level of exploration by drilling 09 exploratory boreholes.
1e	Balance reserves as on 01/04/2017	As per the approved document dated 03-11-2020, details of reserves/resources are as follows. (In million tonnes) (As on 31.08.202) Proved M Reserves (111) - 6.4695 Feasibility M Resources (211) - 3.5792 Measured M Resources (331) - 11.1308 Total:- 21.1795	Reserves/resources as on 01-04-2024 are as follows. (In million tonnes) Proved M Reserves (111) - 6.1150 Feasibility M Resources (211) - 3.5792 Measured M Resources (331) - 11.1308 Total:- 20.825	Reserves/resource are updated by depleting 354485 tonnes of production achieved between 01.09.2020 to 31.03.2024.

1f	General remarks of inspecting officers on geology, exploration etc.		The Lease area is falling in the North Eastern end of the Cuddapah basin. The general strike of the formation is ENE to WSW and NNE to SSW and dip varied from 5 to 20 degree towards SE. Grade of the limestone varies from 34% Cao to 49% Cao and average grade of the limestone is 47% Cao.	Total lease area is 15.00Ha and entire area is explored under G-1 level by drilling 09 exploratory boreholes. The exploration is carried out by Lessee only and expenditure incurred on exploration is Rs 623750.
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**Development :**

Sl.No.	Item	Proposals	Actual Work	Remarks
2a	Location of development w.r.t. lease area	In the year 2023-24, there was a proposal to work between the co-ordinates N1852706 to 1852972 & E 389630 to 389822.	In the year 2023-24 working is carried out between the co-ordinates N1852700 to 1853040 & E 389648 to 389698.	The working is almost carried out in the proposed area only.
2b	Separate benches in topsoil, overburden and minerals (Rule-15)	Benches were proposed in ore only.	Benches are existing in ore only.	No topsoil or OB is existing in the proposed working area. And existing benches are in ore only.
2c	Stripping ratio of ore to OB	1:0	1:0	No OB is existing in the proposed

	ratio			working area.
2d	Quantity of topsoil generation in m <sup>3</sup>	None in the year 2023-24.	None in the year 2023-24.	No topsoil generation is proposed in the present plan period.
2e	Quantity of overburden generation in m <sup>3</sup>	None in the year 2023-24.	None in the year 2023-24.	No OB/waste generation is proposed in the present plan period.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc.		The bench parameters are almost kept as per the proposal. And working is almost carried out within the proposed area only.	

**Exploitation :**

<b>Sl.N o.</b>	<b>Item</b>	<b>Proposals</b>	<b>Actual Work</b>	<b>Remarks</b>
3a	Number of pit proposed for production	On pit in the present five year block period.	One pit.	The dimension of the pit is 311m (L) x 100m (W) x 7m(h)
3b	Quantity of ROM mineral production proposed	100000T in the year 2023-24.	94875 tonnes in the year 2023-24.	Production achieved is 94.87% in the year 2023-24.
3c	Recovery of saleable / usable mineral from ROM	100%	100%	

	production			
3d	Quantity of mineral reject generation	None in the year 2023-24.	None in the year 2023-24.	
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable.	Not applicable.	
3f	Quantity of subgrade mineral generation.	None.	None.	
3g	Grade of subgrade mineral generation.	Not applicable.	Not applicable.	
3h	Manual / Mechanized method adopted for segregating from ROM	None.	None.	
3i	Any analysis or beneficiation study proposed and carried out for subgrade mineral and rejects	None.	None.	
3j	Provision of drilling and blasting in mineral benches	Yes, proposed deep hole drilling and blasting.	Lessee is doing drilling and blasting as per the proposal.	Using drilling machine of 115mm capacity for drilling blast holes and loose ammonium nitrate slurry explosive for

				blasting.
3k	Provision of mining machineries in mineral benches	Yes proposed.	Using Combination of excavators and tippers for production and development.	Additionally using rock drilling machine of 115mm for drilling blast holes.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed 7.00 mtrs bench height.	Bench height is almost maintained as per the proposal.	
3m	Total area covered under excavation / pits	4.020 Ha in the present five year block period up to 31.03.2026.	3.114Ha up to 31.03.2024 (2023-24).	
3n	Ore to OB ratio for the pit/mine during the year.	1:0	1:0	No OB is existing in the proposed working area.
3o	Total area put in use under different heads at the end of year	Area under mining- 4.020Ha, Roads- .410Ha, Green belt- 0.563Ha	Area under mining- 3.114Ha, Green belt:- 1.264Ha	Roads exist within the pit only.
3p	Production of ROM mineral during the last five year period as applicable	2023-24 -100000 T 2022-23 - 100000T 2021-22 -100000 T 2020-21 - 100000T 2019-20 - 100000 T	2023-24 - 94875T 2022-23 - 95349T 2021-22 - 100000T 2020-21 - 99992T 2019-20 - 81499 T	



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 is suitable for the nature of the deposit and method of mining adopted.	
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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)	None in the year 2023-24.	None in the year 2023-24.	No topsoil, OB is existing in the area proposed for mining in the present five years block period. Recovery is 100% and generation mineral reject is also Nil.
4b	Location of topsoil, OB and mineral reject dumps	None in the year 2023-24.	None in the year 2023-24.	No dumps are existing within the lease area.

4c	Number of dumps within lease area and outside of lease area	None in the year 2023-24.	None in the year 2023-24.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not applicable.	Not applicable.	
4e	Number of active and alive dumps.	None in the year 2023-24.	None in the year 2023-24.	No dumps are existing within the lease area.
4f	Number of dead dumps.	None in the year 2023-24.	None in the year 2023-24.	
4g	Number of dumps established.	None in the year 2023-24.	None in the year 2023-24.	
4h	Whether retaining wall or garland drains all along dumps are there.	None in the year 2023-24.	None in the year 2023-24.	
4i	Length of retaining wall or garland drain all along dumps.	None in the year 2023-24.	None in the year 2023-24.	
4j	Number of settling ponds	None in the year 2023-24.	None in the year 2023-24.	

4k	Specific comments of inspecting officers on waste dump management .		No topsoil, OB, and mineral reject is proposed and generated in the present five year block period, so no dumping was made.	No dumps are existing within the lease area.
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**Solid Waste Management - Backfilling :**

<b>Sl.N o.</b>	<b>Item</b>	<b>Proposals</b>	<b>Actual Work</b>	<b>Remarks</b>
5a	Status of part or full extraction of mineral from mined out area before starting backfilling	Not proposed.	Nil	No backfilling is proposed in the present plan period.
5b	Area under backfilling of mined out area	Not proposed.	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed.	Nil	
5d	Total area fully reclaimed and rehabilitated	Not proposed.	Nil	
5e	General remarks of inspecting		Present working is not reached up to the proved depth and no	

	officers on backfilling and reclamation etc.		proposals were made for reclamation and rehabilitation in the present plan period.	
<b>Progressive Mine Closure Plan :</b>				
<b>Sl.N o.</b>	<b>Item</b>	<b>Proposals</b>	<b>Actual Work</b>	<b>Remarks</b>
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 26(2)	Before 1st July of every year.	Submitted yearly report on PMCP within the prescribed time limit.	PMCP report submitted on 19.06.2024 along with the Annual returns submitted for the year 2023-24.
6b	Area available for rehabilitation (ha)	None in the year 2023-24.	None in the year 2023-24.	No area is matured for Reclamation and Rehabilitation.
6c	Afforestation done (ha)	0.055Ha in the year 2023-24.	0.23Ha in the year 2023-24.	Plantation is made more than the proposal.
6d	No. of saplings planted during the year	120 saplings in the year 2023-24.	580 saplings in the year 2023-24.	Plantation is made more than the proposal.
6e	Cumulative no. of plants	600 saplings in the five year block period of 2021-22 to 2025-26.	In the present five year block period, lessee has planted 1420 sapling up to 31.03.2024.	Total plantation made so far is 3225 saplings covering an area of 1.264Ha.
6f	Any other method of rehabilitation	None.	None.	

6g	Cost incurred on watch and care during the year	No such proposal was given.	Approximately Rs 1.5 lakhs	For plantation and watch and care.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (LxBxD)	Nil	Nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Nil	Nil	
6k	Compliance on reclamation and	Nil	Nil	

	rehabilitation by backfilling (iv) Rehabilitation by making water reservoir			
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Nil	Nil	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Nil	Nil	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Nil	Nil	
6o	Compliance of rehabilitation of waste land within lease (ii) Method of rehabilitation	Nil	Nil	

	n			
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes, Air, Water and Noise monitoring was proposed in Core and Buffer zone.	Environmental monitoring in the core and buffer zone is carried out as per the proposal and results are within permissible limits.	Environmental monitoring is carried out by Pragathi Labs and consultants, Hyderabad.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Only Plantation was proposed under progressive Mine Closure plan. Accordingly lessee has planted 580 sapling in the year 2023-24 and total saplings planted so far is 3225. Carried out environmental monitoring for Air, Water etc. and results are within the permissible limits.	
<b>Mineral Conservation:-</b>				
<b>Sl.N o.</b>	<b>Item</b>	<b>Proposals</b>	<b>Actual Work</b>	<b>Remarks</b>
7a	ROM mineral dispatch or gradewise sorting within lease area	Proposed dispatch of Cement grade ROM to Captive Cement Plant.	Lessee is dispatching Cement grade ROM to Captive plant as proposed.	Lessee is not doing any processing at mine site.
7b	Method of gradewise mineral sorting i.e.	None.	None.	Sending ROM to Crusher which is existing near the

	manual or mechanical			plant area. From crusher point feeding to Captive Cement plant.
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 officers on mineral conservation and beneficiation issues.		Lessee is not doing any mineral processing at the mine site at present and Dispatching ROM Crusher which is existing near the plant area. After crushing feeding to Captive Cement plant linked with the mine.	

**Environment:-**

Sl.No	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	None in the year 2023-24.	None in the year 2023-24.	No topsoil is existing in the area proposed for production and development in the year 2023-24, so no topsoil is removed in the present plan



				period.
8b	Concurrent use or storage of topsoil	Not applicable.	Not applicable.	
8c	Separate dumps for overburden , waste rock, rejects and fines (Rule 33)	None.	None.	
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 land affected by mining operations (pits, dumps etc.)	None.	None.	

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Baseline information was furnished in the mining plan. Additional plantation proposals are being given in the Mining Plan documents.	Additionally lessee has planted about 3225 sapling so far within the lease area.	
8g	Survival rate	None.	60 to 70%	The survival rate is very less and advised lessee to taking care of the plantation by regular monitoring.
8h	Water sprinkling on roads to control airborne dust	Yes proposed.	Regularly spraying water on the working benches, Haul road etc.	One water tanker of 12000 ltr capacity (Contract) is in use for dust suppression.
8i	General remarks of inspecting officers on aesthetic beauty in and around mine areas.		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.	
<b>Compliance of Rule 45 :</b>				
<b>Sl.No.</b>	<b>Item</b>	<b>Proposals</b>	<b>Actual Work</b>	<b>Remarks</b>

9a	Status of submission of monthly and annual returns	A monthly return shall be submitted before the tenth day of every month in respect of the preceding month and an annual return shall be submitted before the 1st day of July each year for the preceding financial year.	Submitting Monthly and Annual returns within the time limit.	Submitted Annual returns for the year 2023-24 on 19-06-2024.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per the Annual returns submitted for the year 2023-24, details are as follows, Mining Engineer:- G.Ganesh, Geologist: ,M.Anandharaju, Mines Manager:- .V.Ramachandram.	The information furnished in the Annual returns submitted for the year 2023-24 is found correct.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under mining- 3.114 Ha, Green belt- 1.264Ha	The information furnished in the Annual returns submitted for the year 2023-24 is found correct.	
9d	Scrutiny of Annual return on afforestation	580 saplings with the survival rate of 70%.	As per the register maintained by lessee the details of plantation furnished in the Annual returns	However, it is observed that The survival rate is very less and advised lessee to taking

			submitted for the year 2023-24 is found correct.	care of the plantation by regular monitoring.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	None in the year 2023-24.	None in the year 2023-24.	Entire ROM is dispatched to Captive plant under cement grade.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM: Opening and closing stock:- Nil, Production:- 94875 tonnes. Grade wise: Cement Grade:- Opening and closing stock:-Nil, Production and dispatch:-94875 tonnes	The details furnished in the AR submitted for the year 2023-24 is found correct.	Entire ROM produced is dispatched to captive plant under cement grade.
9g	Scrutiny of Annual return on Sale value, Ex Mine price and production cost	Sale value, cost of production and Ex-mine price is shown as Rs 204.93/ton.	The information furnished in the Annual returns submitted for the year 2023-24 is found correct.	Since the mine is captive cost of production and Ex-mine price is same. And as per the instruction given by HQ, Sale value is given by multiplying quantity dispatched and cost of production.
9h	Scrutiny of Annual return on	Value of fixed assets was mentioned as ₹ 344380 in the year	The information furnished in the Annual returns submitted for	

	fixed assets	2023-24.	the year 2023-24 is found correct.	
9k	Scrutiny of Annual return on mining machineries	Back hoe 0.9cum - 01. Tippers of 11cum-02 , Drilling machine of 115mm-01.	The details furnished in the AR submitted for the year 2023-24 is found correct.	

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

Violation observed			Show cause position		
Rule No.	Issued on	Compliance position	Rule No.	Issued on	Compliance position
	NA		NA	NA	

Date:-17-01-2025

(KALMATA.M.K)

Indian Bureau of Mines