

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

**Review and updation of Mining Plan REPORT**

**Chennai regional office**

**Mine file No :** TN/TNL/LST-37-MDS

**Mine code :** 38TMN30033

- (i) Name of the Inspecting : S011 ) SALIL SANDIP KUJUR  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : MR KARTHEKEYEN DY MANAGER  
Official with  
Designation
- (iv) Date of Inspection : 29-JAN-21
- (v) Prev.inspection date : 25-JUL-19

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : LAKSHMIPURAM LST(180.830)
- (b) **Registration NO.** : 4895/7446/2011
- (c) **Category** : A Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TAMIL NADU
- District : VIRUDHUNAGAR
- Village :
- Taluka :
- Post office :
- Pin Code :
- FAX No. : 04562-34435
- E-mail : TECH@TANCEM.COM
- Phone : 04562-34426
- (f) **Police Station** : PANDAPULI
- (g) **First opening date** : 04-APR-92
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : ALANGULAM CEMENTS WORKS,  
ALANGULAM,  
VIRUDHUNAGAR PIN-626127.
3. (a) **Lease Number** : TMN0624
- (b) **Lease area** : 180.83
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 03-APR-12
4. **Mineral worked** : LIMESTONE Main

## 5. Name and Address of the

Lessee : TAMILNADU CEMENT CORPORATION LTD.  
 735, ANNA SALAI, P.B.No:  
 5205, LLA BUILDING,  
 CHENNAI CITY TAMIL NADU  
 Phone:044-28525461, 28526321, 28571426  
 FAX :044-28523991

Owner : M/S TAMILNADU CEMENT CORPORATION LTD  
 PERAMBALUR TAMIL NADU  
 Phone:  
 FAX :

Agent : P.MUTHUSWAMY  
 M/S TAMILNADU CEMENTS COR  
 PN., ALANGULAM WORKS  
 ALANGULAM VIRUDHUNAGAR  
 TAMIL NADU  
 Phone: 04562 - 34435  
 FAX : 04562 - 34426

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	20-AUG-93
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	13-MAR-05
	:	Renewal under rule 24 MCR1960	04-SEP-13

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	no proposal	nil	no valid ROMP
1b	Exploration over lease area for geological axis 1 or 2	G1	g1	nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	nil	nil	nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	NA	NIL	NIL
1e	Balance reserve as on 01/04/20	7.78 MILLION TONNES	7.78 MILLION TONNES AS PER PREVIOUS APPROVED MS	NIL
1f	General remarks of inspecting officers on geology, exploration etc	-	-	SATISFACTORY.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	NO VALID MP/ROMP ETC	NIL	MINE NOT WORKING DUE TO WANT OF E.C. NO VALID ROMP AVAILABLE.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	YES	OB=4 BENCHES LST= 3 BENCHES NO TOPSOIL	MINE NOT WORKING DUE TO WANT OF E.C. NO VALID ROMP AVAILABLE.
2c	Stripping ratio or ore to OB ratio	MINE NOT WORKING DUE TO WANT OF E.C. NO VALID ROMP AVAILABLE.	NIL	NIL
2d	Quantity of topsoil generation in m3	NIL	NIL	NIL
2e	Quantity of overburden generation in m3	NA	NIL	NIL

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	SATISFACTORY
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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	MINE NOT WORKING DUE TO WANT OF E.C. NO VALID ROMP AVAILABLE.	NIL	NIL
3b	Quantity of ROM mineral production proposed	NO PROPOSAL	NIL	NIL
3c	Recovery of sailable/usable mineral from ROM production	NA	NA	NIL
3d	Quantity of mineral reject generation	NIL	NIL	NIL
3e	Grade of mineral rejects generation and threshold value declared.	NIL	NIL	NIL
3f	Quantity of sub grade mineral generation.	NA	NA	NIL
3g	Grade of sub grade mineral generation	NA	NA	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	MECHANISED IN EARLIER MP/ROMP's	NIL	NIL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NIL	NIL
3j	Provision of drilling and blasting in mineral benches	YES	NIL	NIL

3k	Provision of mining machineries in mineral benches	YES	NIL	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	YES HEIGHT=8MTRS WIDTH=8 MTRS	YES HEIGHT=8MTRS WIDTH=8 MTRS IS MAINTAINED	MINE NOT WORKING
3m	Total area covered under excavation/pits	S.No Description Present Area (Ha) Additional area required during the present Plan Period (Ha) [2019-20 (from 14.08.2019) to 2023-24] Area at the end of life of mine (Ha) 1 Mining (Quarry ) 43.51.0 0.35.0 85.40.0 2. Waste dump 18.27.0 - 8.71.0* 3. Office & infrastructure - - - 4. Processing plant - - - 5. Mineral stack processing yard - - - 6. Sub grade mineral stacks - - - 7. Mine roads 2.00.0 - 2.50.0 8. Areas under plantation - 0.75.0 0.75.0 9. Un utilized area 117.05.0 115.95.0 83.47.0 10.	S.No Description Present Area (Ha) Additional area required during the present Plan Period (Ha) [2019-20 (from 14.08.2019) to 2023-24] Area at the end of life of mine (Ha) 1 Mining (Quarry ) 43.51.0 0.35.0 85.40.0 2. Waste dump 18.27.0 - 8.71.0* 3. Office & infrastructure - - - 4. Processing plant - - - 5. Mineral stack processing yard - - - 6. Sub grade mineral stacks - - - 7. Mine roads 2.00.0 - 2.50.0 8. Areas under plantation - 0.75.0 0.75.0 9. Un utilized area 117.05.0 115.95.0 83.47.0 10.	NIL

3n	Ore to OB ratio for the pit/mine during the year.	NA	NA		NIL	
3o	Total area put in use under different heads at the end of year	1 Mining (Quarry ) 43.51.0 0.35.0 85.40.0 2. Waste dump 18.27.0 - 8.71.0* 3. Office & infrastructure - - - 4. Processing plant - - - 5. Mineral stack processing yard - - - 6. Sub grade mineral stacks - - - 7. Mine roads 2.00.0 - 2.50.0 8. Areas under plantation - 0.75.0 0.75.0 9. Un utilized area 117.05.0 115.95.0 83.47.0	1 Mining (Quarry ) 43.51.0 0.35.0 85.40.0 2. Waste dump 18.27.0 - 8.71.0* 3. Office & infrastructure - - - 4. Processing plant - - - 5. Mineral stack processing yard - - - 6. Sub grade mineral stacks - - - 7. Mine roads 2.00.0 - 2.50.0 8. Areas under plantation - 0.75.0 0.75.0 9. Un utilized area 117.05.0 115.95.0 83.47.0			NIL
3p	Production of ROM mineral during the last five year period as applicable	2015-16 100000 2016-17 100000 2017-18 100000 2018-19 -- 2019-20 --	2014-15 30568 2015-16 125810 2016-17 60989 2017-18 Nil 2018-19 NIL 2019-20 Nil		NIL	
3q	General remarks of inspecting officers on method of mining etc.	-	-		SATISFACTORY.	

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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)	Dump Length x Width x Height Location in the lease area	Dump Length x Width x Height Location in the lease area	NIL
		Dump Yard - 15 180m x 76m x 11m North	Dump Yard - 15 180m x 76m x 11m North	
		Dump Yard - 16 93m x 55m x 12m	Dump Yard - 16 93m x 55m x 12m	
		Dump Yard - 7a 113m x 73m x 12m	Dump Yard - 7a 113m x 73m x 12m	
		Centre Dump Yard - 7b 180m x 106m x 15m	Centre Dump Yard - 7b 180m x 106m x 15m	
		Dump Yard - 7a 113m x 73m x 12m	Dump Yard - 6 340m x 135m x 9m	
		Centre Dump Yard - 7b 180m x 106m x 15m	Dump Yard - 8 219m x 138m x 14m	
		Dump Yard - 6 340m x 135m x 9m	Dump Yard - 9 460m x 253m x 19m	
		Dump Yard - 8 219m x 138m x 14m	South	
		Dump Yard - 9 460m x 253m x 19m	Dump Yard - 10 117m x 80m x 12m	
		Dump Yard - 10 117m x 80m x 12m	Dump Yard - 5	
		Dump Yard - 5	Dump Yard - 11 - Existing & Proposed side burden and interburden temporary dump 430m x 175m x 16m	
		Dump Yard - 11 - Existing & Proposed side burden and interburden temporary dump 430m x 175m x 16m	Dump Yard - 12a - Existing & Proposed topsoil temporary du	
		Dump Yard - 12a - Existing & Proposed topsoil temporary du		

4b	Location of topsoil, OB and mineral reject dumps	Dump Length x Width x Height Location in the lease area Dump Yard - 15 180m x 76m x 11m North Dump Yard - 16 93m x 55m x 12m Dump Yard - 7a 113m x 73m x 12m Centre Dump Yard - 7b 180m x 106m x 15m Dump Yard - 6 340m x 135m x 9m Dump Yard - 8 219m x 138m x 14m Dump Yard - 9 460m x 253m x 19m South Dump Yard - 10 117m x 80m x 12m Dump Yard - 5 Dump Yard - 11 - Existing & Proposed side burden and interburden temporary dump 430m x 175m x 16m Dump Yard - 12a - Existing & Proposed topsoil temporary du	NIL	NIL
4c	Number of dumps within lease area and outside of lease area	12	12 WITHIN LEASE	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	OUTSIDE PIT LIMIT	OUTSIDE PIT LIMIT	NIL
4e	Number of active and alive dumps.	NO PROPOSAL	12	NIL
4f	Number of dead dumps.	NIL	NIL	NIL



4g	Number of dumps established.	NIL	NIL	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	NA	NIL	NIL
4i	Length of Retaining wall or garland drain all along dumps	NA	NIL	NIL
4j	Number of settling ponds	NA	PIT USED AS SETTLING POND	NIL
4k	Specific comments of inspecting officer on waste dump management	-	-	NIL

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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.	MINERALS NOT EXTRACTED COMPLETELY	NIL	NIL
5b	Area under backfilling of mined out area	NIL	NIL	NIL
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	NA	NIL
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	NIL

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Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	NO PROPOSAL	NIL	NIL
6b	Area available for rehabilitation (ha) .	NA	NIL	NIL
6c	afforestation done (ha).	0.25 Ha	0.25 Ha	NIL
6d	No. of saplings planted during the year	NIL	NIL	NIL
6e	Cumulative no .of plants	NIL	500	NIL
6f	Any other method of rehabilitation	NA	NA	NIL
6g	Cost incurred on watch and care during the year	NIL	NIL	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	NA	NA	NIL, AS THE DEPOSIT IS NOT EXPLOITED FULLY.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NA	NA	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	OLD PITS ARE USED FOR COLLECTING WATER.	NIL

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	NA	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NO WASTE LAND AVAILABLE	NIL	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NIL	NIL	NO WASTE LAND AVAILABLE
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NA	NA	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	NIL	MINE NOT WORKING	NIL
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	SATISFACTORY.

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**Mineral Conservation:**

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NO PROPOSAL	70% OF ROM AS PER PREVIOUS APPROVED DOCUMENTS BUT NO GRADE WISE SORTINGS.	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NIL	NIL	NIL
7c	Different grade of mineral sorted out at mines.	NA	NA	NIL

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7d	Any beneficiation process at mines	NA	NA	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	SATISFACTORY.

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**Environment:**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NO TOPSOIL	NIL	NIL
8b	Concurrent use or storage of topsoil	NA	NA	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	YES	12 DUMPS ARE MAINTAINED FOR ob/REJECTS/WASTE ROCKS.	NIL
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	NIL
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Teak and Native Plant	Teak and Native Plant are planted	nil
8g	Survival rate	80%	80%	nil

8h	Water sprinkling on roads to control airborne dust	nil	nil	nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	satisfactory.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	submitted	submitted	nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	nil	nil	nil, mines not working since 2017.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	ni return	nil	nil
9d	Scrutiny of Annual return on afforestation	nil return	nil	nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	nil	nil	nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	nil	nil	nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	nil	nil	nil
9h	Scrutiny of Annual return on fixed assets	nil	nil	nil

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9k	Scrutiny of Annual return on mining machineries	nil	nil	nil
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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 :**

(SALIL SANDIP KUJUR)

Indian Bureau of Mines