

**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 KARTHIKEYEN-MANAGER, MR. KHEDKHER-QP
Official with
Designation
- (iv) Date of Inspection : 25-JUL-19
- (v) Prev.inspection date :

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** : 23-NOV-13
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	12 NOS OF BORE HOLE TOTAL DURING THE EARLIER PLAN PERIOD.	NIL	MINES NOT IN OPERATION.
1b	Exploration over lease area for geological axis 1 or 2	G1 =109.349HA G2=0 G3=0 UNEXPLORED AREA= 71.4851HA	G1 =109.349HA G2=0 G3=0 UNEXPLORED AREA= 71.4851HA- MINES NOT WORKING DUE TO WANT OF E.C	EXPLORATION IS AS PER UNFC FOR EXPLORED AREA.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	21	NIL	MINE NOT WORKING DUE TO WANT OF E.C.
1d	Balance area to be explored to bring Geological axis in 1 or 2	UNEXPLORED AREA= 71.4851HA	NIL	NIL
1e	Balance reserve as on 01/04/20	9598015 MT	9598051 MT	AVAILABE RESERVE
1f	General remarks of inspecting officers on geology, exploration etc	-	-	UNEXPLORED AREA= 71.4851HA TO BE EXPLORED.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	NO ROMP FOR 2018-19. LOCATION OF DEVELOPMENT IS IN HSL PIT INBETWEEN SECTION LINE 1037400N-1037800N-795900E-796500E	EARLIER LOCATION OF DEVELOPMENT IS IN HSL PIT INBETWEEN SECTION LINE 1037400N-1037800N-795900E-796500E	NO ROMP DURING 2018-19 ,MINE NOT WORKING.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	YES OB-3 ORE-2 NO T.S	OB-3 ORE-2 T.S NIL	OLD WORKING , NO ROMP-2018-19 ,MINE NOT WORKING DUE TO E.C

2c	Stripping ratio or ore to OB ratio	2017-18=1:2.5	2017-18=1:3.87	NO ROMP-2018-19,OB IS WITHIN LIMIT BUT LIMESTONE IS LESS HENCE THE S.R IS MORE. MINES NOT WORKING
2d	Quantity of topsoil generation in m3	NIL	NIL	ROMP-2018-19-NIL,MINE NOT WORKING DUE TO E.C
2e	Quantity of overburden generation in m3	250000=2017-18 TOTAL DURING PLAN PERIOD=1125000 MT	236294 MT=2017-18 TOTAL DURING PLAN PERIOD=451745 MT	MINE NOT WORKING DUE TO E.C
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	NO ROMP FOR 2018-19,MINE NOT WORKING DUE TO E.C

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	NO ROMP	NIL	NO ROMP DURING 2018-19
3b	Quantity of ROM mineral production proposed	100000=2017-18	NIL	MINE NOT WORKING DUE TO E.C
3c	Recovery of sailable/usable mineral from ROM production	NO ROMP	NIL	NIL
3d	Quantity of mineral reject generation	30%- OLD RECOVERY	NIL	MINE NOT WORKING DUE TO E.C
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	NIL
3f	Quantity of sub grade mineral generation.	NIL	NIL	NIL
3g	Grade of sub grade mineral generation	NOT APPLICABLE	NIL	NIL.

3h	Manual / Mechanised method adopted for segregating from ROM	NIL	NIL	NIL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NO	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 OB=6 MTR ORE=6 MTR WIDTH=8 MTR	AS PER PROPOSAL THE BENCHES ARE MADE OB=6 MTR ORE=6 MTR WIDTH=8 MTR	OLD WORKINGS, MINE NOT WORKING DUE TO WANT OF E.C
3m	Total area covered under excavation/pits	60.297 HA	NIL PREVIOUS=60.297 HA	NO ROMP DURING 2018-19 VIOLATION POINTED OUT IN OFFICE SCRUTINY THE LESSEE SUBMITTED ROMP , MINES NOT WORKING DUE TO E.C.
3n	Ore to OB ratio for the pit/mine during the year.	2017-18=1:2.5	2017-18=0	NIL
3o	Total area put in use under different heads at the end of year	PIT=32.00 DUMP=17.25 ROAD=9.20 INFRA=8.63HA GREEN BELT=7.5HA	PIT=32.00 DUMP=17.25 ROAD=9.20 INFRA=8.63HA GREEN BELT=7.5HA	AS PER OLD APPROVED PLAN
3p	Production of ROM mineral during the last five year period as applicable	2013-14=50000 2014-15=100000 2015-16=100000 2016-17=100000 2017-18=100000	2013-14=48165 2014-15=30568 2015-16=125850 2016-17=60990 2017-18=NIL	WITHIN LIMIT, NO ROMP FOR 2018- 19. MINE IS NOT WORKING
3q	General remarks of inspecting officers on method of mining etc.	-	-	NO ROMP PRESENT.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	YES	SEPERATE DUMPING IS MAINTAINED.	NO ROMP DURING 2018-19 VIOLATION POINTED OUT IN OFFICE SCRUTINY THE LESSEE SUBMITTED ROMP FOR WHICH INSPECTION WAS MADE.
4b	Location of topsoil, OB and mineral reject dumps	SOUTHERN SIDE OF THE HSL PIT	MAINTAINED AT SOUTHERN SIDE OF THE HSL PIT	NO ROMP DURING 2018-19
4c	Number of dumps within lease area and outside of lease area	3(WITHIN LEASE)	3 WITHIN LEASE AREA	NO ROMP DURING 2018-19 MINE NOT IN OPERATION.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	OUTSIDE UPL DUMP-6= 1037738N-1037868 & 796010.8E - 796010.6E DUMP-7=1037789N-1038032N & 796337.8 E - 796538.3E DUMP-8=1037481N-1037649N & 796445.6E-796661.7E	OUTSIDE UPL DUMP-6= 1037738N-1037868 & 796010.8E -796010.6E DUMP-7=1037789N-1038032N & 796337.8 E -796538.3E DUMP-8=1037481N-1037649N & 796445.6E-796661.7E	NIL
4e	Number of active and alive dumps.	3	3	MINE NOT IN OPERATION.
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.	YES	YES GARLAND DRAINS ARE MADE.	NIL
4i	Length of Retaining wall or garland drain all along dumps	300MTR	300 MTR	NIL
4j	Number of settling ponds	TWO	ONE INSIDE THE CURRENT PIT ONE INSIDE THE OLD PIT- NOT WORKING	NO ROMP DURING 2018-19 MINE NOT WORKING FOR WANT OF E.C.

4k	Specific comments of inspecting officer on waste dump management	-	-	NO ROMP DURING THE PERIOD.MINE NOT WORKING DUE TO WANT OD E.C
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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.	MINERAL NOT EXTRACTED FULLY	MINERAL NOT EXTRACTED FULLY	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)	NIL	VERY LESS TS.	NO PROPOSAL FOR USE OF T.S AS T.S IS SCRAPED AND USED FOR PREPHERIAL PLANTATION.
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	OK

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).	YES	NO ROMP DURING 2018-19 VIOLATION POINTED OUT IN OFFICE SCRUTINY THE LESSEE SUBMITTED ROMP FOR WHICH INSPECTION WAS MADE.ALSO MINE NOT WORKING FOR WANT OF E.C.	MINES NOT WORKING FOR WANT OF E.C.
6b	Area available for rehabilitation (ha) .	NIL	NIL	NIL

6c	afforestation done (ha).	NIL	NIL	NO ROMP DURING 2018-19 , MINE NOT WORKING FOR WANT OF E.C.
6d	No. of saplings planted during the year	NIL	50 NOS SAPLING PLANTED	MINE NOT WORKING FOR WANT OF E.C.
6e	Cumulative no .of plants	NO ROMP	1500	MINE NOT WORKING FOR WANT OF E.C.
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	LAND NOT AVAILABLE	NIL	LAND NOT AVAILABLE
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	LAND NOT AVAILABLE	NIL	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	LAND NOT AVAILABLE	NIL	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	WATER RESERVIOR IS MADE IN OLD PIT	WATER RESERVIOR IS MADE IN OLD PIT	MINE NOT WORKING/WATER RESERVIOR IS AS PER OLD APPROVED PLAN/MS.
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 IN LESSEE CONTROL	NO WASTE LAND IN LESSEE CONTROL	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NO WASTE LAND IN LESSEE CONTROL	NO WASTE LAND IN LESSEE CONTROL	NO WASTE LAND IN LESSEE CONTROL
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NO WASTE LAND IN LESSEE CONTROL	NIL	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	MINE NOT WORKING	MINE NOT WORKING	MINE NOT WORKING DUE TO WANT OF E.C
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	--	-	SATISFACTORY , MINE IS NOT IN OPERATION DUE TO WANT OF E.C.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NO SORTING WITHIN LEASE AREA.	NO SORTING WITHIN LEASE AREA.	NO SORTING WITHIN LEASE AREA.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	MECHANICAL HOWEVER,NO SORTING WITHIN LEASE AREA.	NO SORTING WITHIN LEASE AREA.	NO SORTING WITHIN LEASE AREA.
7c	Different grade of mineral sorted out at mines.	NIL	NIL	NIL,ONLY CEMENT GARDE IS TAKEN TO PLANT. BUT PRESENTLY MINE NOT WORKING DUE TO WANT OF E.C
7d	Any beneficiation process at mines	NA	NA	NIL

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	OK.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NIL	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, SEPERATE DUMPS ARE MAINTAINED	YES, SEPERATE DUMPS ARE MAINTAINED	MINE NOT WORKING
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)	NIL	NIL	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	1500	1500	NIL
8g	Survival rate	80%	80%	NIL
8h	Water sprinkling on roads to control airborne dust	YES	YES, BUT MINES NOT WORKING	NIL

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	OK.
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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	NIL RETURN SUBMITTED	NIL RETURN SUBMITTED
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	NA	NIL RETURN SUBMITTED	NIL

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(i) Already exploited & abandoned by opencast mining (O/C) 0.000 0.000 0.000 (ii) Covered under current (O/C) Workings 0.000 0.000 32.000 32.000 (iii) Reclaimed/Rehabilitated 0.000 0.000 0.000 (iv) Used for waste disposal 0.000 (iv) Used for waste disposal 17.250 0.000 17.250 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.000 11.047 11.047 (vi) Other Purpose () 0.000 11.047 11.047 (vi) Other Purpose () 0.000 0.000 0.000 (vii) Work done under progressive mine closure plan during the year 0.000 0.000 0.000 (vii) Work done under progressive mine closure plan during the year 0.000 0.000	(i) Already exploited & abandoned by opencast (O/C) mining 0.000 0.000 0.000 (ii) Covered under current (O/C) Workings 0.000 32.000 32.000 (iii) Reclaimed/Rehabilitated 0.000 0.000 0.000 (iv) Used for waste disposal 0.000 17.250 17.250 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.000 11.047 11.047 (vi) Other Purpose () 0.000 0.000 0.000 (vii) Work done under progressive mine closure plan during the year 0.000 0.000	MINES NOT WORKING
9d	Scrutiny of Annual return on afforestation	NA	NA,NIL RETURN	MINES NOT WORKING

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL	MINES NOT WORKING
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL	NIL RETURN ,MINES NOT WORKING	MINES NOT WORKING
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NIL	NIL RETURN ,MINES NOT WORKING	NIL RETURN ,MINES NOT WORKING

9h	Scrutiny of Annual return on fixed assets	i) Land (Tips) 7153931 0 2791121 0 4362810 0 (ii) Building Industrial 0 0 0 0 0 0 Residential 0 0 0 0 0 0 (iii) Plant and Machinery including transport equipment 5635769 0 4738980 205980 690809 0 (iv) Capitalised Expenditure such as pre- production exploration, development, major overhaul and repair to machinery etc. (As prescribed under Income Tax Act) 0 0 0 0 0 Total 12789700 0 7530101 205980 5053619 0	i) Land (Tips) 7153931 0 2791121 0 4362810 0 (ii) Building Industrial 0 0 0 0 0 0 Residential 0 0 0 0 0 0 (iii) Plant and Machinery including transport equipment 5635769 0 4738980 205980 690809 0 (iv) Capitalised Expenditure such as pre- production exploration, development, major overhaul and repair to machinery etc. (As prescribed under Income Tax Act) 0 0 0 0 0 Total 12789700 7530101 205980 5053619 0	MINES NOT WORKING
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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