

APPENDICES

Appendix 1.1

(Reference: Paragraph 1.5.2; Page 3)

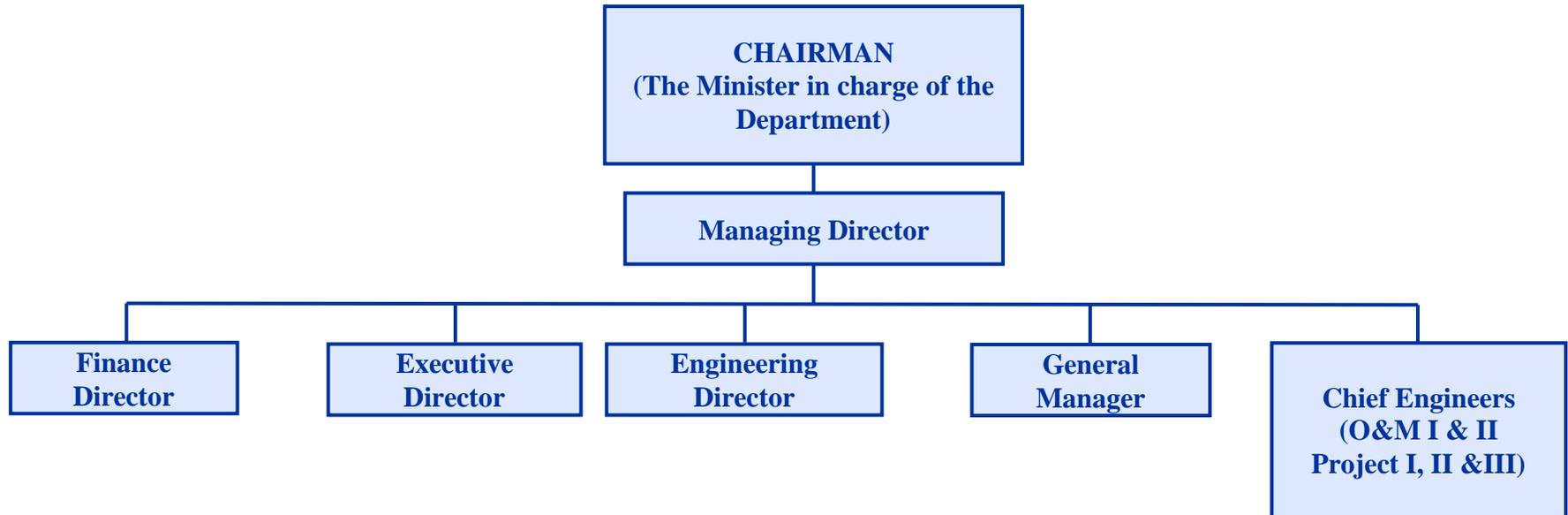
Department-wise details of outstanding Inspection Reports and Paragraphs

Sl. No.	Name of the Department	Number of outstanding	
		Inspection Reports	Audit Observations
1	Adi-Dravidar and Tribal Welfare	163	938
2	Backward Classes, Most Backward Classes and Minorities Welfare	69	178
3	Co-operation, Food and Consumer Protection	119	279
4	Finance	40	86
5	Health and Family Welfare	608	3,068
6	Higher Education	322	1,413
7	Home, Prohibition and Excise	359	1,366
8	Housing and Urban Development	2	11
9	Labour and Employment	63	129
10	Law	31	83
11	Municipal Administration and Water Supply	100	697
12	Personnel and Administrative Reforms	15	106
13	Planning, Development and Special Initiatives	16	30
14	Public	29	113
15	Revenue and Disaster Management	1,555	6,299
16	Rural Development and Panchayat Raj	105	831
17	School Education	470	2,082
18	Social Welfare and Nutritious Meal Programme	185	729
19	Tamil Development and Information	56	139
20	Tourism, Culture and Religious Endowments	47	144
21	Welfare of Differently Abled Persons	78	379
22	Youth Welfare and Sports Development	29	105
23	Special Programme Implementation	3	10
Total		4,464	19,215

Appendix 2.1

(Reference: Paragraph 2.1.2; Page 7)

Organisation chart of CMWSSB



Appendix 2.2
(Reference: Paragraph 2.1.5; Page 8)
Sampled field units

Local Bodies in CMA (09)				STPs (12)	
Sl. No.	Name of LB	Sl. No.	Name of LB	Sl. No.	Location
Municipal Corporations:		Town Panchayats		1	Kodungaiyur I, II & III
1	GCC (CMWSSB)	1	Chitlapakkam	2	Koyambedu I, II & III
2	Avadi	2	Thirumazhisai	3	Nesapakkam I, II & III
		3	Thiruneermalai	4	Perungudi I, II & III
Municipalities:		Panchayat Unions:			
1	Tambaram	1	Poonamallee		
		2	St. Thomas Mount		
		3	Villivakkam		

Sewage Pumping Stations (28)					
Sl. No.	Location	Sl. No.	Location	Sl. No.	Location
1	Ayothiyakuppam	11	Nilamangai Nagar	21	Thanthai Periyar Nagar
2	Baby Nagar	12	North Jaganatha Nagar	22	Thiru Nagar
3	Bharathi Nagar SPS RS	13	NSK Nagar	23	Tod Hunter Nagar
4	CMDA D/144	14	Padmanabha Nagar	24	T.V. Nagar
5	Golden Jubilee SPS	15	Saligramam	25	Vadagaram Road side
6	Jafferkhanpet	16	Sarathy Nagar	26	Velachery
7	Katpada (L T/2)	17	Sathiyavanimuthu Nagar	27	Virugambakkam
8	Korattur SPS (New)	18	South Mada Street	28	VOC Nagar
9	K.R. Ramasamy Nagar	19	Suriya Nagar		
10	Nagireddy Thottam	20	Thanikachalam Nagar		

Appendix 2.3

(Reference: Paragraph 2.1.8.2; Pages 11 and 12)

Status of ongoing UGSS projects

Sl. No.	Name of the added area	Date of commencement of work	Scheduled date of completion / No. of months	Percentage of completion	
				On the scheduled date of completion	As of March 2019
1	Ambattur-Package II	13-07-2010	12-07-2012/24	Not available	73.52
2	Chinna Sekkadu	01-07-2019	31-12-2021/30	Not applicable	1.05
3	Karambakkam				
4	Manali				
5	Manapakkam				
6	Sholinganallur-Karapakkam	12-09-2013	11-03-2016/30	79.58	93.75
7					
8	Mugalivakkam	01-07-2019	31-12-2021/30	Not applicable	1.88
9	Nerkundram	04-03-2019	03-09-2021/30	Not applicable	0.00
10	Pallikaranai	11-02-2011	10-02-2013/24	72.00	93.77
11	Perungudi	24-11-2010	23-11-2012/24	26.14	94.00
12	Porur	16-09-2010	15-09-2012/24	50.00	99.00
13	Ramapuram	21-02-2014	20-08-2016/30	41.00	65.35
14	Thiruvottiyur	May 2007-March 2011	November 2008-March 2013	10.00 to 57.50	97.00
15	Avadi-Package VIII (STP)	April 2012	April 2014/24	70.00	80.25
16	Tambaram	December 2009 - August 2013	December 2011-July 2015/12-24	29.18 to 55.00	69.42 to 89.27

Appendix 2.4

(Reference: Paragraph 2.1.8.2(vi); Page 21)

Features and stages of UGSS in other areas of CMA

Karapakkam and Sholinganallur UGSS	
Administrative sanction	October 2012, ₹ 110.90 crore
Technical sanction	September 2006, January 2011 (Revised)
Project components	Collection system, Pumping mains, SPS and lift stations.
Population benefitting	35,530
Contract value	₹ 87.26 crore
Issue of Work order	May 2013
Schedule date for commissioning	March 2016
No. of EOTs granted	03
Penalty levied on contractor	Levy of LD approved, milestone revised accordingly.
Expenditure incurred as of September 2019	₹ 115.63 crore
Present status	In progress

Pallikaranai UGSS	
Administrative sanction	December 2012, ₹ 52.53 crore
Technical sanction	March 2010
Project components	Collection system, Pumping mains and SPS.
Population benefitting	37,286
Contract value	₹ 46.12 crore
Issue of Work order	December 2010
Schedule date for commissioning	February 2013
No. of EOTs granted	10
Penalty levied on contractor	₹ 40 lakh
Expenditure incurred as of September 2019	₹ 20.15 crore
Present status	In progress

Perungudi UGSS	
Administrative sanction	December 2009, ₹ 20.72 crore
Technical sanction	February 2010
Project components	Collection system, Pumping mains and SPS.
Population benefitting	43,111
Contract value	₹ 21.95 crore
Issue of Work order	September 2010
Schedule date for commissioning	November 2012
No. of EOTs granted	12
Penalty levied on contractor	₹ 50 lakh
Expenditure incurred as of September 2019	₹ 17.85 crore
Present status	In progress

Ramapuram UGSS	
Administrative sanction	October 2012, ₹ 48.50 crore
Technical sanction	October 2012
Project components	Collection system, Pumping mains and SPS.
Population benefitting	54,665
Contract value	₹ 41.65 crore
Issue of Work order	August 2013
Schedule date for commissioning	August 2016
No. of EOTs granted	2
Penalty levied on contractor	₹ 66 lakh
Expenditure incurred as of November 2018	₹ 19.95 crore
Present status	Contract terminated in November 2018. GoTN replied (April 2020) that 'Notice inviting tender' has been called for based on SOR 2019-20 and the tender is now under evaluation.

Nerkundram UGSS	
Administrative sanction	January 2017, ₹ 106.55 crore
Technical sanction	September 2017
Project components	Collection system, Pumping mains, SPS and lift stations.
Population benefitting	59,790
Contract value	₹ 56.51 crore
Issue of Work order	January 2019
Schedule date for commissioning	December 2021
No. of EOTs granted	-
Penalty levied on contractor	-
Expenditure incurred	-
Present status	In progress

Appendix 2.5

(Reference: Paragraph 2.1.8.2(viii); Page 23)

Cost escalation in UGSS projects due to undue delays in completion

Sl. No.	Name of the ongoing UGSS	Administrative sanction (AS)	Revised Administrative sanction (RAS)/ Supplementary sanction	Expenditure incurred (as of September 2019)	Cost escalation*
1	Sholinganallur-Karapakkam	110.90	0	115.63	4.73
2	Thiruvottiyur	28.55	67.63	56.04	39.08
3	Avadi	158.10	197.20	173.62	39.10
	Total				82.91

* Difference between RAS and AS (or) between actual expenditure and AS/RAS

Appendix 2.6

(Reference: Paragraph 2.1.8.2(viii); Page 24)

**Estimated sewage generated and untreated due to delay
in completion of UGSS projects**

Sl. No.	UGSS Project	Base year		Estimated Sewage generated (in mld) * (Population (Column 4) x 90 LPCD x 0.85/10,00,000)
		Year	Population	
(1)	(2)	(3)	(4)	(5)
1	Ambattur	2001	3,10,967	23.79
2	Avadi	2007	60,970	4.66
3	Pallikaranai	2010	17,287	1.32
4	Perungudi	2011	43,111	3.30
5	Porur	2008	65,857	5.04
6	Ramapuram	2014	54,665	4.18
7	Sholinganallur-Karapakkam	2014	39,816	3.05
8	Tambaram	2010	1,72,260	13.18
9	Thiruvottiyur	2002	2,11,436	16.17
Total estimated sewage generated				74.69

* Estimated sewage generation is based on 90 LPCD as per CPHEEO manual for unsewered areas. This would differ for sewage generation projected in DPRs, which is based on 120 LPCD on completion of the UGSS projects.

Appendix 2.7

(Reference: Paragraph 2.1.10.1; Page 29)

Plugging of sewage outfalls under Phase II

Sl. No.	Name of the Work	Total No. of outfalls		Date of commencement	Date of completion		Percentage of work completed	Actual expenditure incurred (₹ in crore)
		Identified	Plugged		Scheduled	Actual		
1	Adyar Package	32	32	01-09-2015	31-11-2016	31-08-2018	100	0.45
2	B.Canal Package IA	70	35	03-03-2016	30-09-2019	In progress	95	11.00
3	B.Canal Package IB		-	04-03-2019	03-09-2020		20	0.67
4	B.Canal Package II		-	21-01-2019	20-01-2020		40	5.70
5	Cooum Package IA	8	8	22-09-2016	21-03-2018	21-03-2018	100	Not available
6	Cooum Package IB	4	-	16-06-2018	15-12-2019	In progress	85	
7	Cooum Package II	44	44	30-06-2016	29-06-2017	28-01-2019	100	

Appendix 2.8

(Reference: Paragraph 2.1.11; Page 31)

Details of STPs

Sl. No.	Location of STP and total capacity	Capacity of STP in mld	Average quantity (mld) of sewage allocated from April 2014* to March 2019	Average capacity (mld) available for utilisation	Percentage utilisation during the period from April 2014* to March 2019
(1)	(2)	(3)	(4)	(5)=(3)-(4)	(6)=(4)/(3)x100
1	Kodungaiyur-270 mld	80	59.02	20.98	73.78
		80	58.85	21.15	73.56
		110	87.77	22.23	79.79
2	Koyambedu-214 mld	34	22.04	11.96	64.82
		60	33.26	26.74	55.43
		120	45.91	74.09	38.26
3	Nesapakkam-117 mld	23	17.49	5.51	76.04
		40	35.63	4.37	89.08
		54	30.06	23.94	55.67
4	Perungudi-126 mld	12	10.45	1.55	87.08
		54	46.47	7.53	86.06
		60	44.74	15.26	74.57

* Or date of commissioning, whichever is later

Appendix 3.1
(Reference: Paragraph 3.4.5 (iv); Page 79)
Details of lifts installed in ACL, Chennai

Sl.No.	Lift No. and Location*	Type of lift	Capacity (Persons/ Kgs)	Date of installation	Date of handing over to PWD	Cost of lift (in ₹)	Current status	Whether under AMC	Quotation for re-conditioning (in ₹)	Date of last service	
1	L-C7171	Passenger lift	16	30-11-2010	18-07-2016	24,00,000	Functioning after HC intervention	Yes	-	July 2019	
2	L-C7172		16	17-03-2011	28-07-2016	24,00,000					
3	L-C7173		16	22-06-2010	25-08-2010	24,00,000	Functioning since handing over				
4	L-C7174		16	26-07-2010	19-11-2010	24,00,000					
5	L-C7175	Goods lift	2,000 kgs	08-01-2011	Not handed over**	24,00,000	Non-functional	-	4,68,000	-	
6	L-C7176		2,000 kgs	22-09-2010	24-01-2011	24,00,000	Non-functional		4,60,000	March 2012	
7	L-D3573	Passenger lift	08	10-12-2010	10-08-2011	17,18,000			2,97,000	September 2012	
8	L-D3574		13	14-09-2010	10-08-2011	19,65,000			3,93,000		
9	L-D3902	Goods lift	2,000 kgs	26-03-2011	Not handed over**	25,00,000	Non-functional		4,38,000	-	
10	L-D4901	Passenger lift	13	29-11-2010	10-08-2011	15,75,000	Non-functional		3,88,000	September 2012	
Total						2,21,58,000 (or) 2.22 crore				24,44,000 (or) 0.24 crore	

* Sl.Nos. 1-6 are installed in Library block and 7-10 in Auditorium block

** Lift Nos. L-C7175 and L-D3902 were not handed over due to non-settlement of bills amounting to ₹ 0.40 crore by the lead contractor to the supplier

Appendix 3.2

(Reference: Paragraph 3.4.6; Page 80)

Details of inmates in 20 WWHs sanctioned during 2013-14

Sl. No.	Name of the District ¹ / Location of WWH	Date of commencement	Details of inmates					Current status
			2014-15	2015-16	2016-17	2017-18	2018-19	
1	Pallikaranai	26-06-2014	0	0	-	-	-	Closed down on 31-01-2016
2	Perambur	26-06-2014	0	1	-	-	-	
3	Perambur	26-06-2014	0	0	-	-	-	
4	Selaiyur	26-06-2014	0	2	-	-	-	
5	Selaiyur	26-06-2014	0	2	-	-	-	
6	Vyasarpadi	26-06-2014	0	0	-	-	-	
7	Coimbatore	25-06-2014	-	24	7	-	-	Closed down on 01-04-2016
8	Chengalpattu	11-06-2014	5	5	5	5	5	Both hostels are functioning from a common rented building ²
9	Sholinganallur	11-06-2014	6	11	5	5	5	
10	Sriperumbudur	11-06-2014	20	20	-	-	-	Closed down on 09-07-2015
11	Perambalur		2	0	0	5	10	Functioning
12	Salem	05-03-2014	4	12	8	16	16	Functioning
13	Sivaganga	02-02-2014	0	12	17	10	0	No inmates since 01-11-2017 ³
14	Thanjavur	25-02-2014	-	4	6	3	7	Functioning
15	Tiruchirappalli	01-07-2014	17	29	28	27	23	Functioning
16	Tirunelveli (Palayamkottai)	01-03-2014	14	26	23	32	28	Functioning
17	Tiruppur	06-02-2014	5	3	0	0	0	No inmates since April 2016 ⁴
18	Tiruvallur	25-06-2014	22	20	21	22	24	Functioning
19	Vellore	27-01-2014	4	22	15	11	13	Functioning
20	Villupuram		13	16	22	23	27	Functioning

¹ Sl. Nos. 1-6: Chennai district; Sl. Nos. 8-10: Kancheepuram district.

² At Okkiam Thoraipakkam.

³ No inmates, but not officially closed down.

⁴ No inmates, but not officially closed down.

Appendix 3.3
(Reference: Paragraph 3.4.6.2; Page 82)

Details of construction of WWHs

Sl. No.	Name of the District / Location of WWH	Construction of WWH		Additional amount requested for Revised administrative sanction (₹)
		Identification of suitable site	Current state of construction	
1	Chennai (C) - Saligramam 1	See footnote ⁵	Construction yet to commence pending RAS.	1.29 crore
2	(C) - Saligramam 2			1.29 crore
3	(C) - Saligramam 3			1.29 crore
4	(C) - Saligramam 4			1.29 crore
5	(C) - Velachery 1	Proposed to be built on land allotted to ICDS ⁶	Construction yet to commence pending RAS.	1.02 crore
6	(C) - Velachery 2			1.02 crore
7	Coimbatore	Identified	Land proposals forwarded to Commissioner of Land Administration is pending.	
8	Chengalpattu	Identified		
9	Sholinganallur	Land not yet identified.		
10	Sriperumbudur	The identified land was reverted back to the District administration as the proposal to construct WWH was withdrawn by DSWO in January 2018.		
11	Perambalur	Identified	Completed ⁷ and occupied.	9.05 lakh
12	Salem	Identified	Completed ⁸ and occupied.	25.00 lakh
13	Sivaganga	Land not yet identified.		
14	Thanjavur	Identified	Construction under progress.	Nil
15	Tiruchirappalli	Identified	Construction under progress.	Nil

⁵ Identification of land to construct six WWHs in Chennai district was not found feasible, despite repeated requests to the District Collector of Chennai and Greater Chennai Corporation. Further, GoTN directed (September 2016) DSW to use the allotted funds for four WWHs to construct additional four blocks of WWH at Saligramam under the GoI scheme for 'Construction of building for providing hostel facilities to working women'. The construction of these four blocks is to be carried out by Tamilnadu Police Housing Corporation Limited (TNPHC), for which revised cost estimates have been furnished (March 2018) by TNPHC.

⁶ Integrated Child Development Scheme.

⁷ RAS proposal for ₹ 9.05 lakh for compound wall is pending.

⁸ RAS proposal for ₹ 25 lakh for additional amenities pending.

Sl. No.	Name of the District / Location of WWH	Construction of WWH		Additional amount requested for Revised administrative sanction (₹)
		Identification of suitable site	Current state of construction	
16	Tirunelveli (Palayamkottai)	Identified	Complete ⁹ and occupied.	10.42 lakh
17	Tiruppur	Identified	Partially completed ¹⁰ .	15.80 lakh
18	Tiruvallur	Identified	Land was handed over to PWD in December 2017. Construction yet to commence due to land dispute.	
19	Vellore	Identified	Partially completed ¹¹ .	32.36 lakh
20	Villupuram	Identified	Completed ¹² and occupied.	8.00 lakh

⁹ RAS proposal for ₹ 10.42 lakh for compound wall is pending with Government.

¹⁰ Super structure completed in March 2017. Pavement, compound wall, barbed wire fencing, water supply arrangement are pending. RAS proposal for ₹ 15.80 lakh is pending with Government.

¹¹ Super structure completed. Compound wall, fans, almirahs, gate, water connection, electrical and power mains are pending. RAS proposal for ₹ 32.36 lakh is pending with Government.

¹² RAS proposal for ₹ 8.00 lakh for compound wall is pending with Government.

Appendix 3.4
(Reference: Paragraph 3.4.6.3; Page 83)

Details of manpower appointed

(As of July 2019)

Sl. No.	Name of the District/ Location of WWH	Supr.	Cook	Assistant Cook		Office Assistant	Watchman	Sweeper	Remarks
				Con. Pay	Daily wages				
	Number of Sanctioned Posts	01	02	01	01	01	01	01	
1	Pallikaranai	-	-	-	-	-	-	-	Closed down on 31-01-2016
2	Perambur	-	-	-	-	-	-	-	
3	Perambur	-	-	-	-	-	-	-	
4	Selaiyur	-	-	-	-	-	-	-	
5	Selaiyur	-	-	-	-	-	-	-	
6	Vyasarjadi	-	-	-	-	-	-	-	
7	Coimbatore	-	-	-	-	-	-	-	Closed down on 01-04-2016
8	Chengalpattu	Vac	Vac	Vac	01	Vac	Vac	01	Functioning with available staff
9	Sholinganallur	Vac	Vac	Vac		Vac	Vac		
10	Sriperumbudur	-	-	-	-	-	-	-	Closed down on 09-07-2015
11	Perambalur	Vac	01	01	Vac	Vac	Vac	Vac	Functioning with available staff
12	Salem	Vac	01	01	Vac	Vac	Vac	Vac	
13	Sivaganga	Vac	01	01	01	Vac	Vac	Vac	No inmates, but not officially closed down
14	Thanjavur	Vac	01	01	01	Vac	Vac	Vac	Functioning with available staff
15	Tiruchirappalli	Vac	01	01	01	Vac	Vac	01	
16	Tirunelveli (Palayamkottai)	Vac	Vac	01	01	Vac	01	Vac	
17	Tiruppur	Vac	Vac	Vac	Vac	Vac	Vac	Vac	No inmates, but not officially closed down
18	Tiruvallur	Vac	Vac	01	01	Vac	01	01	Functioning with available staff
19	Vellore	Vac	Vac	Vac	01	Vac	Vac	Vac	
20	Villupuram	Vac	Vac	01	01	01	01	01	

Vac: Vacancy; Supr.: Supervisor; Con.pay: Consolidated pay

Appendix 3.5

(Reference: Paragraph 3.5.2; Pages 87 and 88)

Details of non-realisation of revenue due to non-revision of lease rent

(Amount in ₹)

Name of the lessee	Extent of land (in acres)	Due date for revising lease rent	Number of years	Market value [#] per sq.ft. ^{\$}	Market value	Lease rent* to be leviable (14 per cent for ZCL and 20 per cent for ICL of land cost)	Lease rent collected at old rates	Loss of revenue
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
ZCL	3.68	29-05-2010 to 28-05-2013	3 years	102	1,63,50,682	68,67,286	30,43,146	38,24,140
		29-05-2013 to 28-05-2016	3 years	300	4,80,90,240	2,01,97,900	30,43,146	1,71,54,754
		29-05-2016 to 31-03-2019	2 years and 10 months	300	4,80,90,240	1,90,75,795	28,74,082	1,62,01,713
	3.35	14-03-2011 to 13-03-2014	3 years	120	1,75,11,120	73,54,670	61,28,892	12,25,778
		14-03-2014 to 13-03-2017	3 years	300	4,37,77,800	1,83,86,676	61,28,892	1,22,57,784
		14-03-2017 to 31-03-2019	2 years	300	4,37,77,800	1,22,57,784	40,85,928	81,71,856
	0.63	25-10-2014 to 24-10-2017	3 years	401	1,10,04,563	46,21,916	42,33,918	3,87,998
		25-10-2017 to 31-03-2019	1 year and 5 months	401	1,10,04,563	21,82,572	19,99,350	1,83,221
	ICL	1.74	03-09-2013 to 02-09-2016	3 years	310	2,34,96,264	1,40,97,759	0
03-09-2016 to 31-03-2019			2 years and 7 months	310	2,34,96,264	1,21,39,736	0	1,21,39,736
Total								8,56,44,739

Market value is defined as the value that the land would fetch in open market. Revenue authorities consider all land sales taking place within 1.5 km radius of the land and adopt the average as the market value.

\$ As calculated (August 2017 and September 2019) in respect of Sl.Nos. 1,2 and 4 and the rate proposed (January 2015) by CLA in respect of Sl.No. 3

* Market value x Lease rent percentage (14 per cent or 20 per cent as the case may be) x Number of years
1 acre = 43,560 sq.ft.

Appendix 3.6

(Reference: Paragraphs 3.6.1 (a) and (c)(ii); Pages 89, 90 and 91)

Items of work agreed at abnormally low rates ignored during execution

Sl. No.	Item of work and unit of measurement	Agreed Quantity	Estimated value (₹ in lakh)	Agreed value (₹ in lakh)	Per cent of variation in value
Package 3 - Zone 5					
1	Raising or lowering 45/60 cm dia cast iron manhole frames and door (sq.m.)	839	20.94	2.10	90
Package 15 - Zone 14					
2	Supply of 160 mm dia ,4 kg/cm ² PVC pipe (m.)	581	1.86	0.65	65
Package 17 - Zone 9					
3	Carting away surplus earth (cu.m.)	7,491	11.00	0.75	93
4	Sectioning the site (sq.m.)	14,757	1.27	0.07	94
5	Premoulded Bituminous expansion pad of 12 mm thick (sq.m.)	420	1.80	0.04	97
6	Construction of inspection chamber of size 60x60x90 cm (Nos.)	90	6.17	0.04	99
7	Dismantling plain Cement Concrete work (cu.m.)	6,536	13.09	0.65	95
8	Supply of 160 mm dia PVC pipe (m.)	3,019	13.65	3.02	77
9	Construction of inspection chamber of size 60x60x60 cm (Nos.)	608	31.64	0.97	96
Package 20 - Zone 13					
10	Poly-sulphide sealant in the expansion joints of concrete (RM)	51,385	76.05	12.84	83
11	Carting away surplus earth (cu.m.)	116	0.12	0.02	83
12	Earthwork excavation (cu.m.)	113	0.06	0.01	83
Package 35 - Zone 12					
13	Poly-sulphide sealant in the expansion joints of concrete (RM)	10,727	15.88	5.36	66
Total				26.52	

Appendix 3.7

(Reference: Paragraph 3.6.1 (b); Pages 90 and 91)

Items of work agreed at abnormally low rates partly executed

Sl. No.	Item of work and unit of measurement	Quantity of work			Value of work			
		Agreed Quantity	Quantity executed	Quantity executed in per cent of Col. 3	Estimated value (₹ in lakh)	Agreed value (₹ in lakh) and per cent of variation to Col. 6	Value of work done (₹ in lakh)	Agreed value of work not executed Col. (7) - Col. (8) (₹ in lakh)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Package 3 - Zone 5								
1	Providing and laying quarry rubbish (cu.m.)	1,090	404	37	6.77	2.17 (68)	0.80	1.37
2	Supply of 160 mm dia PVC pipe (m.)	6,581	1,703	26	29.74	17.11 (43)	4.43	12.68
Package 11 - Zone 13								
3	Earth work excavation (cu.m.)	809	143	18	0.44	0.10 (78)	0.02	0.08
4	M 15 Grade Ready Mix Concrete (cu.m.)	694	213	31	42.15	25.80 (39)	7.88	17.92
5	Construction of inspection chamber of size 60x60x60 cm (Nos.)	754	237	31	39.24	26.39 (33)	8.30	18.09
Package 15 - Zone 14								
6	Supply of 160 mm dia, 6 kg/cm ² PVC pipe (m.)	7,000	197	3	34.79	14.00	0.39	13.61
Package 17 - Zone 9								
7	Centering for sides and soffits (sq.m.)	4,484	571	13	21.94	2.24 (90)	0.29	1.95
8	Interlocking paver blocks 80 mm thick (sq.m.)	14,410	701	5	93.07	7.21 (92)	0.35	6.86
9	Raising or lowering 45/60 cm diacast iron manhole frames and door (Nos.)	878	113	13	21.56	0.44 (98)	0.06	0.38
Package 20 - Zone 13								
10	Shuttering for plane surface in foundation and basement (sq.m.)	5,081	146	4	21.44	0.51 (98)	0.01	0.50
11	Supply of 160 mm dia PVC pipe (m.)	3,240	1,103	42	16.10	8.48 (47)	2.89	5.59
Package 35 - Zone 12								
12	Centering for sides and soffits (sq.m.)	1,044	287	27	5.47	1.05 (81)	0.29	0.76
13	M 15 Grade Ready Mix Concrete (cu.m.)	1,444	661	46	92.16	54.93 (40)	25.15	29.78
Total								109.57

Appendix 3.8

(Reference: Paragraph 3.6.1 (c); Pages 90 and 91)

Items of works executed in excess of the agreed quantities

Sl. No.	Item of work and unit of measurement	Estimated rate (in ₹)	Agreed rate (in ₹) and per cent of variation to Col. 3	Quantity			Undue benefit on excess quantities Col. (7) x [Col. (4) - Col. (3)] (₹ in lakh)
				Agreed	Executed	Excess Col. 5 - Col. 6 (in per cent)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Package 3 - Zone 5							
1	Interlocking paver blocks 80 mm thick (sq.m.)	653	950 (45)	3,710	5,046	1,336 (36)	3.97
Package 11 - Zone 13							
2	Dummy joints of M 40 Cement Concrete slab (m.)	85	110 (29)	60,512	65,675	5,163 (9)	1.29
Total							5.26

Appendix 3.9

(Reference: Paragraph 3.7.1; Page 97)

List of sampled ESIDs under RAMO, Madurai

Sl.No.	ESID	District
1	Begampur	Dindigul
2	Dindigul	
3	Kodaikanal	
4	Edaikodu	Kanyakumari
5	Kuzhithurai	
6	Manavalakurichi	
7	Paravai	Madurai
8	Silaiman	
9	Ramanathapuram	Ramanathapuram
10	Manamadurai	Sivagangai
11	Sivagangai	
12	Andipatti	Theni
13	Theni	
14	Ettayapuram	Thoothukudi
15	Kovilpatti	
16	Tiruchendur	
17	Thoothukudi	
18	Pettai (Mobile)	Tirunelveli
19	Thailayuthu	
20	Tirunelveli	
21	Vickramasingapuram	
22	Kariapatti	Virudhunagar
23	Rajapalayam	
24	Sivakasi	
25	Srivilliputtur	
26	Tiruthangal	

Appendix 3.10

(Reference: Paragraph 3.7.1; Page 97)

List of drugs supplied to sampled ESIDs despite non-indenting

Sl. No.	CRC No.	Name of the Drug	Quantity			Rate	Excess value supplied (in ₹)
			Actual indent	Supp- lied	Excess		
1	1344	Relcer Gel 180 ml	15,500	1,16,780	1,01,280	42.77	43,31,745.60
2	1495	Alucil Plus 170 ml	3,000	51,088	48,088	22.99	11,05,543.12
3	1413	Glutazene	3,000	76,650	73,650	6.09	4,48,528.50
4	1742	BioRS	0	11,000	11,000	8.85	97,350.00
5	1838	Zinox	0	3,250	3,250	377.00	12,25,250.00
6	33	Hiphylate Elixir	1,200	24,600	23,400	34.64	8,10,576.00
7	1512	Ambronac	0	10,300	10,300	29.00	2,98,700.00
8	1664	Prospan 100 ml	16,500	1,16,080	99,580	50.60	50,38,748.00
9	1840	Airtec SF	200	4,830	4,630	297.00	13,75,110.00
10	1421	Gatosyl AM	2,000	30,660	28,660	64.50	18,48,570.00
11	2018	Coversyl AM	0	2,310	2,310	121.62	2,80,942.20
12	2019	Natrilam 2.5	4,000	22,500	18,500	71.58	13,24,230.00
13	2021	Coversyl Plus HD	0	3,000	3,000	125.46	3,76,380.00
14	1865	Tolpidol D	0	4,500	4,500	102.00	4,59,000.00
15	1690	Galvus 50 mg	0	5,304	5,304	225.00	11,93,400.00
16	1896	Trajenta 5 mg	3,500	5,544	2,044	341.60	6,98,230.40
17	1902	Syncefex	19,100	26,900	7,800	126.42	9,86,076.00
18	1551 a	Thementin LB 625	3,000	21,900	18,900	45.60	8,61,840.00
19	1551 b	Thementin LB 375	0	16,520	16,520	38.57	6,37,176.40
20	1552 c	Furomax-C 625	0	8,400	8,400	100.90	8,47,560.00
21	1937	Sensodent KF	5,500	14,640	9,140	35.00	3,19,900.00
22	1624	Mistdress	0	4,320	4,320	153.00	6,60,960.00
23	484	Hiodine	0	1,920	1,920	440.00	8,44,800.00
24	1315	Astymin Forte	3,000	14,160	11,160	49.00	5,46,840.00
25	1961	Nugica	0	1,692	1,692	132.42	2,24,054.64
26	1792	Hepatoglobine Mikros	0	3,000	3,000	97.10	2,91,300.00
27	1795	Triple A Cal OS	1,500	16,010	14,510	87.30	12,66,723.00
Total							2,83,99,533.86

Appendix 3.11

(Reference: Paragraph 3.7.2; Page 98)

Status of pending works at RGGGH, Chennai

(As of December 2019)

Sl. No.	Name of the department and work (Construction of building for)	Forwarding of rough cost estimate by DME	GoTN's sanction		Civil Works				RAS (₹ in crore)	
			Date	Estimate amount (₹ in crore)	Approximate amount of work to be done (₹ in crore)	Date of commencement	Work to be completed within	Date of completion of main civil works	1 st RAS amount and date of sanction	2 nd RAS amount and date of sanction
1	Out Patients (Basement + Ground (G) + 8 Floors)	24-11-2014	12-03-2015	58.65		17-08-2016	-	In progress*	-	-
2	Rheumatology (G + 8 Floors)	17-11-2014	10-04-2015	19.65	17.00	22-01-2016	18 months (22-07-2017)	25-02-2017	23.12/ August 2019	-
3	Nephrology and Urology (G + 8 Floors)	17-02-2015	03-09-2015	29.48	24.24	12-02-2016	18 months (12-08-2017)	10-03-2017	29.89/ June 2017	35.36/ August 2019
4	Hepatology (G + 5 Floors)	25-08-2015	12-02-2016	16.70	14.41	29-02-2016	18 months (29-08-2017)	08-06-2018	21.73/ August 2019	-
				1.71	For provision of (i) Furniture, (ii) Bed head panel for medical gas, (iii) LEAD door shutters, (iv) Cupboard shutters and (v) Granite slab for countertop platforms.					
Total estimate amount (124.48 + 1.71)				126.19						

* GoTN accorded AS for ₹ 42.88 crore for construction of three additional floors in January 2018

Appendix 3.12

(Reference: Paragraph 3.7.3; Page 102)

Estimated loss of interest revenue due to non-investment of the SDRF balance in Government Securities as per SDRF guidelines

Amount (₹ in crore)	Period	Months	Interest receipt at 4 per cent per annum	Interest receivable estimated at 7.82 per cent*	Loss of interest
			(₹ in lakh)		
3.32	December 2016 to June 2019	30	33.20	64.91	31.71
16.73	March 2018 to June 2019	15	83.65	163.54	79.89
4.91	October 2018 to June 2019	8	13.09	25.60	12.51
	Total		129.94	254.05	124.11

* If invested in dated Government securities as envisaged in SDRF guidelines for investment of SDRF fund balance

Glossary of abbreviations

Abbreviations	Full Form
AC	Air conditioning
ACL	Anna Centenary Library
ACS	Additional Chief Secretary to Government
Addl. CP	Additional Commissioner of Police
AMC	Annual Maintenance Contract
AMRUT	Atal Mission for Rejuvenation and Urban Transformation
ASP	Activated Sludge Processing
BE	Budget Estimate
BOD	Biological Oxygen Demand
BRS	Bank Reconciliation Statement
CAG	Comptroller and Auditor General of India
CCMC	Coimbatore City Municipal Corporation
CLA	Commissioner of Land Administration
CMA	Chennai Metropolitan Area
CMA	Commissioner of Municipal Administration Commissioner/ Director of Municipal Administration
CMCHIS	Chief Minister's Comprehensive Health Insurance Scheme
CMD	contracted maximum demand
CMS	Central Medical Stores
CMWSSB	Chennai Metropolitan Water Supply and Sewerage Board
COD	Chemical Oxygen Demand
CPHEEO	Central Public Health and Environmental Engineering Organisation
CRA	Commissioner of Revenue Administration
CRC	Centralised Rate Contracts
CRRP	Cooum River Eco Restoration Project
CRRT	Chennai Rivers Restoration Trust
CSP	City Sanitation Plan
CSW	Commissionerate of Social Welfare
CTP	Chennai Traffic Police
cu.m.	cubic meter
DEE	Director of Elementary Education
DFRS	Director of Fire and Rescue Services
DHH	District Headquarters Hospitals
DM&GC	District Monitoring and Grievance Committee

Abbreviations	Full Form
DME	Director/Directorate of Medical Education
DMRHS	Director of Medical and Rural Health Services
DPC Act	Duties, Powers and Conditions of Services Act
DPC	Drug Purchase Committee
DPL	Director of Public Libraries
DPR	Detailed Project Reports
DRM	Divisional Railway Manager
DSE	Director of School Education
DSO	District Social Welfare Offices
DSW	Director of Social Welfare
DSWO	District Social Welfare Officer
DTP	Director of Town Panchayat
EO	Executive Officer
EOT	Extension of time
EPF	Employees' Provident Fund
ESI	Employees' State Insurance
ESIC	Employees' State Insurance Corporation
ESID	Employees' State Insurance dispensaries
ESIH	Employees' State Insurance hospitals
ESIS	Employees' State Insurance Scheme
FAS	Facade Access System
FFS	Fire fighting System
FIR	First Information Report
FLSC	First Level Specialist Committee
GBC	Green Building Concept
GCC	Greater Chennai Corporation
GDCH	Government Dental College Hospital
GHG	greenhouse gases
GoI	Government of India
GoTN	Government of Tamil Nadu
HEP	High end procedures
HoD	Head of the Department
HRT	Hydraulic Retention Time
HSC	House service connections
HT	High Tension
IBMS	Integrated Building Management System

Abbreviations	Full Form
ICL	M/s. India Cements Limited
IEC	Information, Education and Communication
IPs	Insured Persons
IRs	Inspection Reports
IUDM	Integrated Urban Development Mission
JDHS	Joint Director of Health Service
JFV	Joint Field Visit
JICA	Japan International Cooperation Agency
JNNURM	Jawaharlal Nehru National Urban Renewal Mission
Km	Kilometers
KSSM	Kerala Social Security Mission
KVA	Kilo Volt Ampere
LPCD	litres per capita per day
LT	Low Tension
MAWS	Municipal Administration and Water Supply
MCHs	Medical College Hospitals
mld	million litre per day
MO	Medical Officers
MoUD	Ministry of Urban Development
MS	Medical Superintendents
MT	Metric Tonne
NABH	National Accreditation Board for Hospitals and Healthcare Providers
NGT	National Green Tribunal
NQAS	National Quality Assurance
NUSP	National Urban Sanitation Policy
O&M	operation and maintenance
OHT	Over Head Tank
PD	Project Director
PDS	Public Distribution System
PHH	Priority House Hold
PMJAY	Pradhan Mantri Jan Arogya Yojana
PPE	personal protection equipment
PPP	Public Private Partnership
PT	Property Tax
PWD	Public Works Department

Abbreviations	Full Form
RAMO	Regional Administrative Medical Officers
RAS	Revised Administrative Sanction
RDMA	Regional Director of Municipal Administration
RGGGH	Rajiv Gandhi Government General Hospital, Chennai
RMC	Ready mix concrete
RTA	Regional Transport Authority
SBM	Swachh Bharat Mission
SBR	Sequencing Batch Reactor
SCERT	State Council of Educational Research and Training
SCM	Smart City Mission
SDGs	Sustainable Development Goals
SDRF	State Disaster Response Fund
SIPCOT	State Industries Promotion Corporation of Tamil Nadu Limited
SM&GC	State Monitoring and Grievance Committee
SMC	Stanley Medical College
SPS	Sewage Pumping Stations
sq.ft.	square feet
sq.km	square kilometers
SR	Southern Railway
STP	sewage treatment plants
SUC	SWM user charges
SWD	Storm Water Drains
	Social Welfare Department
SWM	Solid Waste Management
SWM Rules	Solid Waste Management Rules
TANGEDCO	Tamil Nadu Electricity Generation and Distribution Corporation
TCMC	Thanjavur City Municipal Corporation
TKR	Total Knee Replacement
TNBM	Tamil Nadu Budget Manual
TNHSP	Tamil Nadu Health Systems Project
TNMSC	Tamil Nadu Medical Services Corporation Limited
TNPCB	Tamil Nadu Pollution Control Board
TNSTC	Tamil Nadu State Transport Corporation
TNTBESC	Tamil Nadu Textbook and Educational Services Corporation
TNTTR	TN Transparency in Tender Rules

Abbreviations	Full Form
TNUDP III	Tamil Nadu Urban Development Programme - III
TP	Town Panchayat
TPA	Third Party Administrator
TPD	Tonnes per Day
TSS	Total Suspended Solids
UGSS	Underground Sewerage System
UIIC	United India Insurance Company Limited
ULBs	Urban Local bodies
URN	Unique Reference Number
VRDL	Viral Research and Diagnostic Laboratory
WB	World Bank
WWH	Working Women Hostels
ZCL	M/s. Zuari Cements Limited