

# APPENDICES



## Appendix 2.1

(Reference: Paragraph 2.1 (vi) (a); Page 12)

### Inadequate provision of toilets

Sl. No.	Name of the school	Strength		Toilet seats required		Toilet seats available		Shortfall		Shortfall in percentage	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
		(In numbers)									
<b>Sivagangai Panchayat Union</b>											
1	PUPS, Palamalainagar	37	50	1	2	1	1	0	1	Nil	50
2	PUPS, Keelakandani	44	34	1	2	1	1	0	1	Nil	50
<b>Tiruppuvanam Panchayat Union</b>											
3	PUPS, Vaigai Vadagarai	58	53	2	3	1	1	1	2	50	67
4	PUPS, Poovanthi	55	75	2	3	1	1	1	2	50	67
5	PUMS, Madapuram	60	60	2	3	1	1	1	2	50	67
6	PUMS, Tiruppuvanam South	75	61	2	3	4	2	-	1	Nil	33
7	PUMS, Tiruppuvanam North	40	35	1	2	1	1	0	1	Nil	50
8	PUPS, Tiruppuvanam West	82	86	2	4	2	2	0	2	Nil	50
9	PUPS, T Palayur	39	29	1	2	0	0	1	2	100	100
10	PUPS, Allinagaram	52	93	2	4	1	2	1	2	50	50
<b>Tirupattur Panchayat Union</b>											
11	PUPS, 11 <sup>th</sup> Ward	28	33	1	2	1	1	0	1	Nil	50
12	PUPS, T Pudupatti	63	54	2	3	2	2	0	1	Nil	33
13	PUMS, Thiruvudaiyarpatti	59	63	2	3	2	2	0	1	Nil	33
<b>Singampunari Panchayat Union</b>											
14	PUMS, Vengaipatti	57	78	2	4	1	1	1	3	50	75
15	PUMS, Kapparapatti	54	62	2	3	2	2	0	1	Nil	33
16	PUPS, A Kalappur	68	73	2	3	2	1	0	2	Nil	67
17	PUMS, S Kovilpatti	65	84	2	4	1	1	1	3	50	75
<b>Kannangudi Panchayat Union</b>											
18	PUPS, Kappaloor	8	9	1	1	0	2	1	-	100	Nil

PUPS : Panchayat Union Primary School; PUMS : Panchayat Union Middle School

Appendix 4.1

(Reference: Paragraph 4.1.6.2; Page 30)

SWDs constructed under CMCDM approved for reconstruction as per the reconstruction list of the DPR of ISWDS - Cooum Basin

Sl. No.	Zone/ Grid No.	Name of the Road/Street	Length executed under CMCDM (in km)	Expenditure (₹ in crore)	Length proposed as per the DPR of ISWDS (in km)	Length adopted by Audit (in km) (least of Col.(4) or Col.(6))	Proportionate cost (₹ in crore) (Col.(5) x Col.(7))/Col.(4)	Size of SWD constructed under CMCDM	Size of SWD proposed as per the DPR of ISWDS	Rate per metre (Minimum size adopted by Audit)	Estimated cost of reconstruction under ISWDS (₹ in crore) (Col.(7) x 1,000) x Col.(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	7/I	Central Avenue Road	1.4	1.89	0.54	0.54	0.73	0.90 m x 0.90 m	2.00 m x 2.00 m, 2.30 m x 1.65 m and 0.90 m x 1.05 m	19,081 (0.90 m x 1.05 m)	1.03
2	11/I	Sri Devi Kuppam Main Road	0.95	0.75	0.95	0.95	0.75	0.90 m x 0.90 m	2.40 m x 1.70 m, 2.40 m x 1.85 m and 5.20 m x 3.10 m	43,716 (2.40 m x 1.70 m)	4.15
3	11/I	Kamarajar Salai	0.58	0.57	0.541	0.541	0.53	0.90 m x 0.90 m	0.90 m x 1.05 m and 1.20 m x 1.20 m	19,081 (0.90 m x 1.05 m)	1.03
4	11/II	Dhanalakshmi Nagar	0.8	0.32	0.294	0.294	0.12	0.60 m x 0.75 m	2.00 m x 2.00 m	39,906 (2.00 m x 2.00 m)	1.17
5	11/II	Krishna Nagar 1 <sup>st</sup> Main Road	0.52	0.61	0.229	0.229	0.27	0.60 m x 0.75 m and 0.90 m x 0.90 m	1.20 m x 1.20 m	24,396 (1.20 m x 1.20 m)	0.56
6	11/II	Krishna Nagar 2 <sup>nd</sup> Main Road	0.37	0.43	0.051	0.051	0.06	0.60 m x 0.75 m and 0.90 m x 0.90 m	1.20 m x 1.20 m	24,396 (1.20 m x 1.20 m)	0.12
		<b>Total</b>					<b>2.46</b>				<b>8.06</b>

## Appendix 4.2

(Reference: Paragraph 4.1.6.2; Page 30)

## (A) Details of SWDs constructed under CMCDM which required reconstruction as per the new construction list of the DPR of ISWDS - Kosasthalaiyar Basin

Sl. No.	Zone/ Grid No.	Name of the Road/Street	Length executed under CMCDM (in km)	Expenditure (₹ in crore)	Length proposed as per the DPR of ISWDS (in km)	Length adopted by Audit (in km) (least of Col.(4) or Col.(6))	Proportionate cost (₹ in crore) (Col.(5) x Col.(7))/ Col.(4)	Size of SWD constructed under CMCDM	Size of SWD proposed as per the DPR of ISWDS	Rate per metre (Minimum size adopted by Audit)	Estimated cost of reconstruction under ISWDS (₹ in crore) (Col.(7) x 1,000) x Col.(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	1/II	Ambedkar Nagar Main Street	0.19	0.43	0.408	0.19	0.43	0.60 m x 0.75 m	0.90 m x 1.05 m	19,081 (0.90 m x 1.05 m)	0.36
2	1/II	TKS Nagar Main Street	0.36	0.53	0.109	0.109	0.16	0.90 m x 0.90 m	0.90 m x 1.05 m	19,081 (0.90 m x 1.05 m)	0.21
3	1/II	Thiruveethi Amman Kovil Street	0.38	0.54	0.307	0.307	0.44	0.60 m x 0.75 m and 0.90 m x 0.90 m	0.90 m x 1.05 m	19,081 (0.90 m x 1.05 m)	0.59
4	3/II	Padmavathi Nagar Main Street	0.44	0.65	0.343	0.343	0.51	0.60 m x 0.75 m	0.90 m x 1.05 m	19,081 (0.90 m x 1.05 m)	0.65
5	3/II	Ayyan Thiruvalluvar Salai	0.99	1.13	0.659	0.659	0.75	0.60 m x 0.75 m	1.20 m x 1.20 m and 2.00 m x 2.00 m	24,396 (1.20 m x 1.20 m)	1.61

*Audit Report (Local Bodies) for the year ended 31 March 2016*

Sl. No.	Zone/ Grid No.	Name of the Road/Street	Length executed under CMCDM (in km)	Expenditure (₹ in crore)	Length proposed as per the DPR of ISWDS (in km)	Length adopted by Audit (in km) (least of Col.(4) or Col.(6))	Proportionate cost (₹ in crore) (Col.(5) x Col.(7))/ Col.(4)	Size of SWD constructed under CMCDM	Size of SWD proposed as per the DPR of ISWDS	Rate per metre (Minimum size adopted by Audit)	Estimated cost of reconstruction under ISWDS (₹ in crore) (Col.(7) x 1,000) x Col.(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
6	3/II	Veeraraghavalu Main Street	0.295	1.00	0.413	0.295	1.00	0.60 m x 0.75 m	0.90 m x 1.05 m	19,081 (0.90 m x 1.05 m)	0.56
7	7/I	Gnanamurthy Nagar	0.4	0.41	0.206	0.206	0.21	0.90 m x 0.90 m	1.50 m x 1.70 m	30,511 (1.50 m x 1.70 m)	0.63
8	7/I	Lower Canal Road	0.45	0.32	0.699	0.45	0.32	0.90 m x 0.90 m	1.20 m x 1.20 m	24,396 (1.20 m x 1.20 m)	1.10
9	7/III	Vijayaragavan Street, Vinobaji Street and Cross Street	0.4	0.39	0.191	0.191	0.19	0.90 m x 0.90 m	0.90 m x 1.05 m and 2.90 m x 1.95 m	19,081 (0.90 m x 1.05 m)	0.36
		<i>Total (A)</i>					<i>4.01</i>				<i>6.07</i>

**(B) Details of SWDs constructed under CMCDM which required reconstruction as per the new construction list of the DPR of ISWDS - Kovalam Basin**

Sl. No.	Zone/ Grid No.	Name of the Road/Street	Length executed under CMCDM (in km)	Expenditure (₹ in crore)	Length proposed as per the DPR of ISWDS (in km)	Length adopted by Audit (in km) (least of Col.(4) or Col.(6))	Proportionate cost (₹ in crore) (Col.(5) x Col.(7))/ Col.(4)	Size of SWD constructed under CMCDM	Size of SWD proposed as per the DPR of ISWDS	Rate per metre (Minimum size adopted by Audit)	Estimated cost of reconstruction under ISWDS (₹ in crore) (Col.(7) x 1,000) x Col.(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	12/II	Marrison Street 2 <sup>nd</sup> Street	0.24	0.02	0.25	0.24	0.02	0.60 m x 0.75 m	0.90 m x 1.05 m	19,081 (0.90 m x 1.05 m)	0.46
2	14/I	Anna Nedunsalai	1.3	0.81	0.768	0.768	0.48	0.90 m x 0.90 m	1.20 m x 1.20 m	24,396 (1.20 m x 1.20 m)	1.87
3	14/I	Ram Nagar 8 <sup>th</sup> Cross Street	0.39	0.94	0.258	0.258	0.62	0.90 m x 0.90 m	0.90 m x 1.05 m	19,081 (0.90 m x 1.05 m)	0.49
4	14/II	Pillaiyar Koil Street	0.52	0.49	0.482	0.482	0.45	0.60 m x 0.75 m	1.50 m x 1.70 m	30,511 (1.50 m x 1.70 m)	1.47
5	15/I	Mount Peten Road	0.3	0.26	0.315	0.3	0.26	0.90 m x 0.90 m	2.00 m x 2.00 m	39,906 (2.00 m x 2.00 m)	1.20
6	15/I	Pillaiyar Koil Street	0.8	0.49	0.552	0.552	0.34	0.90 m x 0.90 m	0.90 m x 1.05 m	19,081 (0.90 m x 1.05 m)	1.05
7	15/I	Rajiv Garden 1 <sup>st</sup> Main Road	0.23	0.24	0.559	0.23	0.24	0.90 m x 0.90 m	1.20 m x 1.20 m and 2.00 m x 2.00 m	24,396 (1.20 m x 1.20 m)	0.56

*Audit Report (Local Bodies) for the year ended 31 March 2016*

Sl. No.	Zone/ Grid No.	Name of the Road/Street	Length executed under CMCDM (in km)	Expenditure (₹ in crore)	Length proposed as per the DPR of ISWDS (in km)	Length adopted by Audit (in km) (least of Col.(4) or Col.(6))	Proportionate cost (₹ in crore) (Col.(5) x Col.(7))/ Col.(4)	Size of SWD constructed under CMCDM	Size of SWD proposed as per the DPR of ISWDS	Rate per metre (Minimum size adopted by Audit)	Estimated cost of reconstruction under ISWDS (₹ in crore) (Col.(7) x 1,000) x Col.(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
8	15/I	Secretariat Colony 1 <sup>st</sup> Main Road	0.36	0.26	0.282	0.282	0.2	1.20 m x 1.20 m	3.00 m x 2.00 m	60,244 (3.00 m x 2.00 m)	1.70
9	15/II	Kannagi Nagar 5 <sup>th</sup> Main Road	0.3	0.19	2.2	0.3	0.19	0.90 m x 0.90 m	0.90 m x 1.05 m, 1.20 m x 1.20 m, 1.50 m x 1.50 m and 2.00 m x 2.00 m	19,081 (0.90 m x 1.05 m)	0.57
10	15/II	New Kumaran Nagar 1 <sup>st</sup> and 2 <sup>nd</sup> Main Road	0.5	0.56	0.731	0.5	0.56	0.90 m x 0.90 m and RCC Hume pipe	0.90 m x 1.05 m, 2.90 m x 1.95 m and 3.20 m x 2.10 m	19,081 (0.90 m x 1.05 m)	0.95
		<i>Total (B)</i>					<i>3.36</i>				<i>10.32</i>
		<b>Grand Total (A+B)</b>					<b>7.37</b>				<b>16.39</b>



## Appendix 4.3

(Reference: Paragraph 4.1.6.2; Page 30)

## (A) Details of SWDs constructed under CMCDM which required reconstruction as per the new construction list of the DPR of ISWDS - Adyar Basin

Sl. No.	Zone/ Grid No.	Name of the Road/Street	Length executed under CMCDM (in km)	Expenditure (₹ in crore)	Length proposed as per the DPR of ISWDS (in km)	Length adopted by Audit (in km) (least of Col.(4) or Col.(6))	Proportionate cost (₹ in crore) (Col.(5) x Col.(7)/Col.(4)	Size of SWD constructed under CMCDM	Size of SWD proposed as per the DPR of ISWDS	Rate per metre (Minimum size adopted by Audit)	Estimated cost of reconstruction under ISWDS (₹ in crore) (Col.(7) x 1,000) x Col.(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	11/I	Majestic Colony Main Road	0.407	0.43	0.208	0.208	0.22	0.60 m x 0.75 m and 0.90 m x 0.90 m	2.00 m x 2.00 m	39,906 (2.00 m x 2.00 m)	0.83
2	11/I	Ramakrishna Nagar Main Road	0.515	0.51	0.353	0.353	0.35	0.60 m x 0.75 m and 0.90 m x 0.90 m	1.20 m x 1.20 m	24,396 (1.20 m x 1.20 m)	0.86
3	11/II	Perumal Koil Street	0.51	0.65	0.478	0.478	0.61	0.60 m x 0.75 m	1.50 m x 1.70 m	30,511 (1.50 m x 1.70 m)	1.46
4	11/III	Egambaram Estate Main Road and Egambaram Estate 1 <sup>st</sup> Street to 5 <sup>th</sup> street	0.882	0.81	0.291	0.291	0.27	0.90 m x 0.90 m	1.50 m x 1.70 m	30,511 (1.50 m x 1.70 m)	0.89
5	12/I	Thiruvalluvar Street	0.11	0.11	0.389	0.110	0.11	0.60 m x 0.75 m and 0.90 m x 0.90 m	0.90 m x 1.05 m	19,081 (0.90 m x 1.05 m)	0.21
		<i>Total (A)</i>					<i>1.56</i>				<i>4.25</i>

(B) Details of SWDs constructed under CMCDM which required reconstruction as per the new construction list of the DPR of ISWDS - Cooum Basin

Sl. No.	Zone/ Grid No.	Name of the Road/Street	Length executed under CMCDM (in km)	Expenditure (₹ in crore)	Length proposed as per the DPR of ISWDS (in km)	Length adopted by Audit (in km) (least of Col.(4) or Col.(6))	Proportionate cost (₹ in crore) (Col.(5) x Col.(7))/ Col.(4)	Size of SWD constructed under CMCDM	Size of SWD proposed as per the DPR of ISWDS	Rate per metre (Minimum size adopted by Audit)	Estimated cost of reconstruction under ISWDS (₹ in crore) (Col.(7) x 1,000) x Col.(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	7/II	Seethakathi Salai	1.00	1.77	0.526	0.526	0.93	0.90 m x 0.90 m	0.90 m x 1.05 m and 1.20 m x 1.20 m	19,081 (0.90 m x 1.05 m)	1.00
2	7/III	Kalamegham Salai	0.73	0.57	0.898	0.73	0.57	0.90 m x 0.90 m	0.90 m x 1.05 m, 1.20 m x 1.20 m and 2.20 m x 1.60 m	19,081 (0.90 m x 1.05 m)	1.39
3	7/III	Kamber Salai	0.72	0.45	0.694	0.694	0.43	0.90 m x 0.90 m	0.90 m x 1.05 m	19,081 (0.90 m x 1.05 m)	1.32
4	11/I	Bharathi Salai	0.60	0.82	0.513	0.513	0.70	0.90 m x 0.90 m	1.20 m x 1.20 m and 1.50 m x 1.70 m	24,396 (1.20 m x 1.20 m)	1.25
5	11/I	Phase II Salai	0.30	0.41	0.265	0.265	0.36	0.90 m x 0.90 m	0.90 m x 1.05 m	19,081 (0.90 m x 1.05 m)	0.51
6	11/I	Union Road	1.60	2.18	0.362	0.362	0.49	0.90 m x 0.90 m	1.50 m x 1.70 m and 2.00 m x 2.00 m	30,511 (1.50 m x 1.70 m)	1.10
7	11/I	Radha Avenue Main Road	0.45	0.35	0.662	0.45	0.35	0.90 m x 0.90 m	0.90 m x 1.05 m and 1.50 m x 1.70 m	19,081 (0.90 m x 1.05 m)	0.86
8	11/I	Metukupam Road	0.63	0.67	0.631	0.63	0.67	0.90 m x 0.90 m	1.20 m x 1.20 m and 2.00 m x 2.00 m	24,396 (1.20 m x 1.20 m)	1.54
9	11/I	Chettiar Agaram Main Road	3.35	0.73	2.01	2.01	0.44	0.90 m x 0.90 m	1.20 m x 1.20 m, 1.50 m x 1.70 m, 3.00 m x 2.00 m and 3.20 m x 2.10 m	24,396 (1.20 m x 1.20 m)	4.90
10	11/II	Abirami Nagar R/1	0.55	0.22	0.453	0.453	0.18	0.90 m x 0.90 m	2.00 m x 2.00 m	39,906 (2.00 m x 2.00 m)	1.81
11	11/II	Lakshmi Nagar	0.20	0.08	0.184	0.184	0.07	0.90 m x 0.90 m	0.90 m x 1.05 m	19,081 (0.90 m x 1.05 m)	0.35
12	11/II	Rajiv Gandhi Nagar	0.60	0.24	0.569	0.569	0.23	0.90 m x 0.90 m	1.50 m x 1.70 m	30,511 (1.50 m x 1.70 m)	1.74

Sl. No.	Zone/ Grid No.	Name of the Road/Street	Length executed under CMCDM (in km)	Expenditure (₹ in crore)	Length proposed as per the DPR of ISWDS (in km)	Length adopted by Audit (in km) (least of Col.(4) or Col.(6))	Proportionate cost (₹ in crore) (Col.(5) x Col.(7))/ Col.(4)	Size of SWD constructed under CMCDM	Size of SWD proposed as per the DPR of ISWDS	Rate per metre (Minimum size adopted by Audit)	Estimated cost of reconstruction under ISWDS (₹ in crore) (Col.(7) x 1,000) x Col.(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
13	11/II	Karunigar Street	0.43	0.55	0.027	0.027	0.03	0.60 m x 0.75 m and 0.90 m x 0.90 m	0.90 m x 1.05 m	19,081 (0.90 m x 1.05 m)	0.05
14	11/II	Madha Koil Street	0.78	1.00	0.495	0.495	0.63	0.60 m x 0.75 m and 0.90 m x 0.90 m	1.20 m x 1.20 m	24,396 (1.20 m x 1.20 m)	1.21
15	11/II	Anbu Nagar Main Road	0.5	0.51	0.903	0.5	0.51	0.60 m x 0.75 m and 0.90 m x 0.90 m	0.90 m x 1.05 m, 1.20 m x 1.20 m and 1.50 m x 1.70 m	19,081 (0.90 m x 1.05 m)	0.95
16	11/II	Krishna Nagar Main Road	0.7	0.71	0.419	0.419	0.42	0.60 m x 0.75 m and 0.90 m x 0.90 m	1.50 m x 1.70 m, 2.30 m x 1.65 m and 2.60 m x 1.80 m	30,511 (1.50 m x 1.70 m)	1.28
17	11/II	Krishnamachari Nagar	0.3	0.35	0.224	0.224	0.26	0.90 m x 0.90 m	0.90 m x 1.05 m	19,081 (0.90 m x 1.05 m)	0.43
18	11/III	Phase II, 2 <sup>nd</sup> Main Road	0.135	0.18	0.798	0.135	0.18	0.90 m x 0.90 m	1.50 m x 1.70 m	30,511 (1.50 m x 1.70 m)	0.41
19	11/III	Phase I, 4 <sup>th</sup> Main Road and Phase II, 4 <sup>th</sup> Main Road	0.482	0.97	0.657	0.482	0.97	0.90 m x 0.90 m	1.20 m x 1.20 m	24,396 (1.20 m x 1.20 m)	1.18
20	11/III	Agathiyar Street	0.3	0.21	0.466	0.3	0.21	0.90 m x 0.90 m	1.20 m x 1.20 m	24,396 (1.20 m x 1.20 m)	0.73
21	7/III	Bazaar Road and Valaiyapathy Road	0.8	0.84	0.53	0.53	0.56	0.90 m x 0.90 m	1.50 m x 1.70 m and 2.00 m x 2.00 m	30,511 (1.50 m x 1.70 m)	1.62
		<b>Total (B)</b>					<b>9.19</b>				<b>25.63</b>
		<b>Grand Total (A+B)</b>					<b>10.75</b>				<b>29.88</b>

**Appendix 4.4**

**(Reference: Paragraph 4.1.8.2; Page 36)**

**Statement showing the time taken from Administrative Sanction to award of contract - WSS**

Sl. No.	Name of the work	Estimate cost (₹ in lakh)	Tender cost (₹ in lakh)	Date on which AS was given	Date on which TS was given	Time taken from AS to TS (in days)	Due date for submission of bid	Date of award of contract	Time taken from due date of bid to award of contract (in days)
1	Providing Comprehensive WSS to Karambakkam, Nolambur and Injambakkam	6,086	5,167.11	14-10-2012	22-10-2012	8	10-01-2013	09-05-2013	119
2	Providing Comprehensive WSS to Ramapuram, Manapakkam, Okkiam-Thoraipakkam and Nandambakkam	9,546	7,839.00	14-10-2012	22-10-2012	8	10-01-2013	21-08-2013	223
3	Providing Comprehensive WSS and providing Comprehensive Sewerage Scheme to Sholinganallur and Karapakkam in Dn.197 and 198 - Zone 15 in Chennai city	3,570	2,759.00	14-10-2012	22-10-2012	8	10-01-2013	21-05-2013	131
4	Providing Comprehensive WSS to Edayanchavadi, Sadayankuppam, Kadapakkam, Vadaperumbakkam, Theeyampakkam, Chinnasekkadu and Manali in Chennai city	8,054	6,155.59	11-07-2013	21-10-2013	102	03-01-2014	04-03-2014	60
5	Providing Comprehensive WSS to Pallikaranai and Mugalivakkam in Chennai city	7,419	6,618.00	11-07-2013	21-10-2013	102	03-01-2014	04-03-2014	60
6	Providing Comprehensive WSS to Kottivakkam, Palavakkam and Perungudi in Chennai city	9,200	6,636.00	11-07-2013	21-10-2013	102	03-01-2014	04-03-2014	60
7	Providing Comprehensive WSS to Surapattu, Kathirvedu, Putthagaram and Puzhal in Chennai city	8,261	5,912.00	11-07-2013	21-10-2013	102	03-01-2014	30-05-2014	147

AS : Administrative Sanction; TS : Technical Sanction; WSS : Water Supply Scheme

## Appendix 4.5

(Reference: Paragraph 4.1.8.2; Page 36)

## Statement showing the time taken from Administrative Sanction to award of contract - UGSS

Sl. No.	Name of the work	Estimate cost (₹ in lakh)	Tender cost (₹ in lakh)	Date on which AS was given	Date on which TS was given	Time taken from AS to TS (in days)	Due date for submission of bid	Date of award of contract	Time taken from due date of bid to award of contract (in days)
1	Kathivakkam UGSS	8,615.00	7,509.95	14-10-2012	22-10-2012	8	10-01-2013	09-05-2013	119
2	Ramapuram UGSS	4,850.00	4,165.00	14-10 -2012	22-10-2012	8	10-01-2013	21-08 -2013	223
3	Sholinganallur and Karapakkam UGSS	11,090.00	8,726.00	14-10 -2012	22-10-2012	8	10-01-2013	21-05 -2013	131
4	Providing UGSS to Nolambur and Surapattu in Chennai city	2,835.00	2,412.24	11-07 -2013	25-11-2013	137	17-01-2014	15-07 -2014	179
		3,849.00	3,222.09						
5	Providing UGSS to Puthagaram and Kathirvedu in Chennai city	6,599.98	5,195.20	11-07 -2013	25-11-2013	137	17-01-2014	15-07-2014	179
6	Providing UGSS to Annai Sivagami Nagar in Thiruvottiyur in Chennai city	934.00	616.73	11-07 -2013	25-11-2013	137	17-01-2014	30-05 -2014	133

AS : Administrative Sanction; TS : Technical Sanction; UGSS : Underground Sewerage Scheme

Appendix 4.6

(Reference: Paragraph 4.1.8.4; Page 38)

Avoidable expenditure/liability due to usage of CI pipes instead of DI pipes

Sl. No.	Name of the work	Diameter of CI pipes used (mm)	Estimate quantity of CI pipes (m)	Schedule of Rates adopted in the estimate	Rate adopted per meter in the estimate (₹)	Rate for DI (K9) pipe per meter as per Schedule of Rates (₹)	Difference in rates (₹)	Quantity of CI pipes used (m)	Avoidable expenditure on CI pipes used (₹)	Quantity of CI pipes still to be laid (m)	Avoidable liability on CI pipes to be laid (₹)	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8) (6) - (7)	(9)	(10) (8) x (9)	(11)	(12) (8) x (11)	(13)
1	Providing Comprehensive WSS and UGSS to Sholinganallur and Karapakkam in Dn.197 and 198 - Zone 15 in Chennai city	150	3,400	2012-13	1,996.05	1,430.00	566.05	3,800.00	21,50,990.00	0	0	Work under progress
		200	200		2,921.42	1,906.00	1,015.42	200.00	2,03,084.00	0	0	
		250	5,665		3,937.12	2,544.00	1,393.12	5,622.95	78,33,444.10	0	0	
		300	3,108		5,077.15	3,172.00	1,905.15	3,120.00	59,44,068.00	0	0	
		350	7,685		6,396.49	4,055.00	2,341.49	7,685.00	1,79,94,350.65	0	0	
		400	3,688		7,783.92	4,713.00	3,070.92	3,698.00	1,13,56,262.16	0	0	
		450	5,256		9,386.02	5,722.00	3,664.02	5,528.15	2,02,55,252.16	0	0	
		500	3,600		10,988.05	6,747.00	4,241.05	3,199.00	1,35,67,118.95	401.00	17,00,661.05	
		700	3,850		19,053.91	11,662.00	7,391.91	3,742.00	2,76,60,527.22	108.00	7,98,326.28	
2	Providing UGSS to Nolambur and Surapattu in Chennai city	150	450	2013-14	2,117.00	1,472.00	645.00	336.80	2,17,236.00	113.20	73,014.00	Work under progress
		200	1,675		3,098.00	1,946.00	1,152.00	500.50	5,76,576.00	1,174.50	13,53,024.00	
		250	9,653		4,175.00	2,606.00	1,569.00	4,007.24	62,87,359.56	5,645.76	88,58,197.44	
		300	3,810		5,384.00	3,310.00	2,074.00	1,371.95	28,45,424.30	2,438.05	50,56,515.70	
		350	2,274		6,782.00	4,025.00	2,757.00	958.10	26,41,481.70	1,315.90	36,27,936.30	
		400	2,149		8,253.00	4,833.00	3,420.00	585.00	20,00,700.00	1,564.00	53,48,880.00	
		500	2,130		11,651.00	6,650.00	5,001.00	2,417.00	1,20,87,417.00	0	0	
		600	507		15,527.00	8,801.00	6,726.00	0	0	507.00	34,10,082.00	
		700	218		20,002.00	11,220.00	8,782.00	0	0	218.00	19,14,476.00	

Sl. No.	Name of the work	Diameter of CI pipes used (mm)	Estimate quantity of CI pipes (m)	Schedule of Rates adopted in the estimate	Rate adopted per meter in the estimate (₹)	Rate for DI (K9) pipe per meter as per Schedule of Rates (₹)	Difference in rates (₹)	Quantity of CI pipes used (m)	Avoidable expenditure on CI pipes used (₹)	Quantity of CI pipes still to be laid (m)	Avoidable liability on CI pipes to be laid (₹)	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8) (6) - (7)	(9)	(10) (8) x (9)	(11)	(12) (8) x (11)	(13)
3	Providing UGSS to Puthagaram and Kathirvedu in Chennai city	200	1,900	2013-14	3,098.00	1,946.00	1,152.00	2,016.00	23,22,432.00	0	0	Work under progress
		250	6,757		4,175.00	2,606.00	1,569.00	1,889.03	29,63,888.07	4,867.97	76,37,844.93	
		300	1,183		5,384.00	3,310.00	2,074.00	337.38	6,99,726.12	845.62	17,53,815.88	
		350	2,171		6,782.00	4,025.00	2,757.00	55.00	1,51,635.00	2,116.00	58,33,812.00	
		400	863		8,253.00	4,833.00	3,420.00	0	0	863.00	29,51,460.00	
		450	403		9,952.00	5,750.00	4,202.00	0	0	403.00	16,93,406.00	
		500	151		11,651.00	6,650.00	5,001.00	0	0	151.00	7,55,151.00	
		600	2,200		15,527.00	8,801.00	6,726.00	0	0	2,200.00	1,47,97,200.00	
4	Supply and laying of 500 mm dia CI sewage pumping main from Chetput Pumping Station upto the existing Bell Mouth chamber at Flowers Road in Area VIII	500	1,110	2012-13	12,951.58	6,747.00	6,204.58	951.00	59,00,555.58	0	0	Work completed
5	Improving the capacity of pumping main in Periyar Nagar SPS in Area XIII (old Area XB)	400	1,450	2012-13	7,783.22	4,713.00	3,070.22	1,231.00	37,79,440.82	0	0	Work completed
6	Expansion of capacity of conveyance system of Perambur STP in Area III	750	2,588	2011-12	17,943.00	11,805.79	6,137.21	2,390.00	1,46,67,931.90	0	0	Work completed
7	Improving the capacity of pumping main of Besant Nagar-II Pumping Station by laying 450 mm dia CI pipeline in Area XIII	450	1,800	2012-13	9,386.02	5,722.00	3,664.02	1,772.00	64,92,643.44	0	0	Work completed

*Audit Report (Local Bodies) for the year ended 31 March 2016*

Sl. No.	Name of the work	Diameter of CI pipes used (mm)	Estimate quantity of CI pipes (m)	Schedule of Rates adopted in the estimate	Rate adopted per meter in the estimate (₹)	Rate for DI (K9) pipe per meter as per Schedule of Rates (₹)	Difference in rates (₹)	Quantity of CI pipes used (m)	Avoidable expenditure on CI pipes used (₹)	Quantity of CI pipes still to be laid (m)	Avoidable liability on CI pipes to be laid (₹)	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8) (6) - (7)	(9)	(10) (8) x (9)	(11)	(12) (8) x (11)	(13)
8	Laying of 300 mm dia CI pipe pumping main from link road to LG pumping station in depot 63	300	1,088	2012-13	5,843.65	3,172.00	2,671.65	1,208.40	32,28,421.86	0	0	Work completed
9	Enlargement of sewage pumping main for Kilpauk PS in Area VIII	750	2,200	2012-13	23,259.95	14,492.00	8,767.95	2,026.00	1,77,63,866.70	0	0	Work completed
10	Improving the capacity of pumping main of Indira Nagar SPS in Area XIII (old Area-XB)	900	2,700	2011-12	28,931.15	14,404.63	14,526.52	2,472.70	3,59,19,726.00	227.30	33,01,878.00	Work under progress
11	Rerouting and improving the capacity of pumping main of Velachery PS in area XII	750	7,200	2011-12	19,020.00	11,805.79	7,214.21	3,760.50	2,71,29,036.71	3,439.50	2,48,13,275.30	Work under progress
12	Improving the capacity of pumping main of Saligramam SPS in Area-X (Old AreaVIII)	600	1,100	2012-13	17,324.00	8,724.00	8,600.00	1,091.20	93,84,320.00	0	0	Work completed
<b>Total</b>									<b>26,40,24,916.01</b> or <b>₹ 26.40 crore</b>		<b>9,56,78,955.88</b> or <b>₹ 9.57 crore</b>	

CI : Cast Iron; DI: Ductile Iron; SPS: Sewage Pumping Station; STP : Sewage Treatment Plant; WSS : Water Supply Scheme; UGSS : Under Ground Sewerage Scheme.



---



---

**Appendix 4.7**

(Reference: Paragraph 4.1.8.5; Page 39)

**Excess expenditure due to entrustment of  
additional road works to the same contractor**

Sl. No.	Package No.	Executed by	Year of the Scheme	Amount (in ₹)
1	26	BRR Department	2015-16	88,38,113
2	10	BRR Department	2015-16	2,10,29,118
3	18	BRR Department	2015-16	69,37,641
4	7	BRR Department	2015-16	25,29,057
5	33	BRR Department	2015-16	32,42,691
6	9	BRR Department	2015-16	14,56,568
7	1	Zone II	2013-14	19,97,576
8	1	Zone III	2013-14	8,77,747
		<b>Total</b>		<b>4,69,08,511</b>

BRR : Bus Route Roads

Appendix 5.1

(Reference: Paragraph 5.1.2 (i); Page 44)

(A) Avadi Municipality - Budget variances for the years 2013-14, 2014-15 and 2015-16

(₹ in crore)

	2013-14			2014-15			2015-16		
	Budget estimates	Actuals as per accounts	Difference in per cent	Budget estimates	Actuals as per accounts	Difference in per cent	Budget estimates	Actuals as per accounts	Difference in per cent
<b>Revenue and Capital Fund Account</b>									
<b>Revenue Fund</b>									
Income	41.13	55.30	34.45	60.34	53.82	(-) 10.81	58.72	69.34	18.09
Expenditure	39.78	34.27	(-) 13.85	59.59	33.65	(-) 43.53	76.67	38.70	(-) 49.52
<b>Capital Fund</b>									
Income	71.11	57.65	(-) 18.93	13.99	7.79	(-) 44.32	55.12	23.05	(-) 58.18
Expenditure	76.11	90.84	19.35	13.99	41.95	199.86	55.12	67.12	21.77
<b>Water Supply and Drainage Fund Account</b>									
<b>Revenue Fund</b>									
Income	25.27	10.85	(-) 57.06	28.15	13.53	(-) 51.95	24.03	10.07	(-) 58.09
Expenditure	24.18	11.86	(-) 50.95	28.05	5.71	(-) 79.64	23.84	6.17	(-) 74.12
<b>Capital Fund</b>									
Income	140.34	7.82	(-) 94.43	150.47	32.97	(-) 78.09	32.01	0	(-) 100.00
Expenditure	140.34	30.82	(-) 78.04	150.47	16.32	(-) 89.15	32.01	14.59	(-) 54.42
<b>Elementary Education Fund Account</b>									
<b>Revenue Fund</b>									
Income	2.84	2.46	(-) 13.38	3.33	2.78	(-) 16.51	2.92	2.46	(-) 15.75
Expenditure	0.74	0.90	21.62	0.85	0.38	(-) 55.29	1.03	0.32	(-) 68.93
<b>Capital Fund</b>									
Income	2.10	0.90	(-) 57.14	2.10	0	(-) 100.00	1.88	0	(-) 100.00
Expenditure	2.00	1.00	(-) 50.00	2.00	2.81	40.50	2.00	4.51	125.50

## (B) Maraimalai Nagar Municipality - Budget variances for the years 2013-14, 2014-15 and 2015-16

(₹ in crore)

	2013-14			2014-15			2015-16		
	Budget estimates	Actuals as per accounts	Difference in per cent	Budget estimates	Actuals as per accounts	Difference in per cent	Budget estimates	Actuals as per accounts	Difference in per cent
<b>Only consolidated Revenue and Capital Fund Account was maintained and no separate Water Supply and Drainage Fund Account was maintained</b>									
<b>Revenue Fund</b>									
Income	35.55	42.47	19.47	36.89	47.57	28.95	40.39	36.79	(-) 8.91
Expenditure	33.80	11.10	(-) 67.16	35.19	10.90	(-) 69.03	40.33	10.93	(-) 72.90
<b>Capital Fund</b>									
Income	22.45	5.59	(-) 75.01	50.24	1.37	(-) 97.28	41.99	28.22	(-) 32.79
Expenditure	22.45	71.18	217.06	50.24	77.40	54.06	41.99	39.57	(-) 5.76

(C) Pallavaram Municipality - Budget variances for the years 2013-14, 2014-15 and 2015-16

(₹ in crore)

	2013-14			2014-15			2015-16		
	Budget estimates	Actuals as per accounts	Difference in per cent	Budget estimates	Actuals as per accounts	Difference in per cent	Budget estimates	Actuals as per accounts	Difference in per cent
<b>Revenue and Capital Fund Account</b>									
<b>Revenue Fund</b>									
Income	38.07	40.99	7.67	46.16	42.68	(-) 7.54	50.87	50.39	(-) 0.94
Expenditure	40.93	22.95	(-) 43.93	43.71	23.15	(-) 47.04	50.63	27.83	(-) 45.03
<b>Capital Fund</b>									
Income	53.60	23.94	(-) 55.34	57.22	3.37	(-) 94.11	50.19	6.63	(-) 86.79
Expenditure	53.60	31.90	(-) 40.49	57.22	26.94	(-) 52.92	50.19	34.71	(-) 30.84
<b>Water Supply and Drainage Fund Account</b>									
<b>Revenue Fund</b>									
Income	12.35	16.19	31.09	20.94	14.95	(-) 28.61	30.52	15.79	(-) 48.26
Expenditure	12.24	8.70	(-) 28.92	18.74	8.75	(-) 53.31	28.31	10.87	(-) 61.60
<b>Capital Fund</b>									
Income	176.77	5.85	(-) 96.69	158.26	4.40	(-) 97.22	10.34	1.85	(-) 82.11
Expenditure	176.77	15.17	(-) 91.42	158.26	14.20	(-) 91.03	10.34	10.02	(-) 3.09
<b>Elementary Education Fund Account</b>									
<b>Revenue Fund</b>									
Income	2.47	3.77	52.63	4.85	3.37	(-) 30.52	3.73	3.38	(-) 9.38
Expenditure	2.29	0.02	(-) 99.13	3.90	0.01	(-) 99.74	3.71	0.01	(-) 99.73
<b>Capital Fund</b>									
Income	2.00	0	(-) 100.00	3.50	0	(-) 100.00	3.20	0	(-) 100.00
Expenditure	2.00	1.48	(-) 26.00	3.50	1.39	(-) 60.29	3.20	2.39	(-) 25.31

## (D) Thiruverkadu Municipality - Budget variances for the years 2013-14, 2014-15 and 2015-16

(₹ in crore)

	2013-14			2014-15			2015-16		
	Budget estimates	Actuals as per accounts	Difference in <i>per cent</i>	Budget estimates	Actuals as per accounts	Difference in <i>per cent</i>	Budget estimates	Actuals as per accounts	Difference in <i>per cent</i>
Only consolidated Revenue and Capital Fund Account was maintained and no separate Water Supply and Drainage Fund Account was maintained									
<b>Revenue Fund</b>									
Income	15.44	25.82	67.23	19.69	22.90	16.30	27.51	27.32	(-) 0.69
Expenditure	15.33	4.84	(-) 68.43	19.04	6.30	(-) 66.91	27.38	7.45	(-) 72.79
<b>Capital Fund</b>									
Income	16.28	8.68	(-) 46.68	96.86	4.82	(-) 95.02	141.25	4.04	(-) 97.14
Expenditure	16.28	32.54	99.88	96.86	18.88	(-) 80.51	141.25	36.72	(-) 74.00

**Glossary of abbreviations**

<b>Abbreviation</b>	<b>Full Form</b>
BDO	Block Development Officer
BDO-BP	Block Development Officer (Block Panchayat)
BDO-VPs	Block Development Officer (Village Panchayats)
BM	Bituminous Macadam
BPs	Block Panchayats
BRR	Bus Route Roads
BSNL	Bharat Sanchar Nigam Limited
CAG	Comptroller and Auditor General of India
CFC	Central Finance Commission
CI	Cast Iron
CMA	Commissioner of Municipal Administration
CMCDF	Chennai Mega City Development Fund
CMCDM	Chennai Mega City Development Mission
CMWSSB	Chennai Metropolitan Water Supply and Sewerage Board
CPHEEO	Central Public Health and Environmental Engineering Organisation
CRDPR	Commissioner of Rural Development and Panchayat Raj
CSIDS	Comprehensive School Infrastructure Development Scheme
DBDO	Deputy Block Development Officer
DBM	Dense Bituminous Macadam
DC	District Collector
DCB	Demand Collection and Balance
DI	Ductile Iron
DLFA	Director of Local Fund Audit
DPC	District Planning Committee
DPR	Detailed Project Report
DPs	District Panchayats
DRDA	District Rural Development Agency
DRDPR	Director of Rural Development and Panchayat Raj
DTCP	Director of Town and Country Planning
DTP	Director of Town Panchayats

Abbreviation	Full Form
EEF	Elementary Education Fund
ETP	Effluent Treatment Plant
GCC	Greater Chennai Corporation
GoI	Government of India
GoTN	Government of Tamil Nadu
GPS	Global Positioning System
HPEC	High Power Expert Committee
IEC	Information, Education and Communication
IRC	Indian Roads Congress
ISWDS	Integrated Storm Water Drain System
JNNURM	Jawaharlal Nehru National Urban Renewal Mission
LBs	Local Bodies
LED	Light Emitting Diode
MAS	Model Accounting System
MAWS	Municipal Administration and Water Supply
MCMC	Madurai City Municipal Corporation
MIS	Management Information System
MMBT	Madurai Mattuthavani Bus Terminus
MoPR	Ministry of Panchayati Raj
MORTH	Ministry of Road Transport and Highways
NIC	National Informatics Centre
NMAM	National Municipal Accounting Manual
O&M	Operation and Maintenance
PAC	Public Accounts Committee
PD	Project Director
PRIA Soft	Panchayat Raj Institutions Accounting Software
PRIs	Panchayat Raj Institutions
PSC	Project Sanctioning Committee
PUMS	Panchayat Union Middle School
PUPS	Panchayat Union Primary School
PU <sub>s</sub>	Panchayat Unions
PWD	Public Works Department
REE	Regional Executive Engineer

<b>Abbreviation</b>	<b>Full Form</b>
RTA	Regional Transport Authority
RTGS	Real Time Gross Settlement
RTO	Regional Transport Officer
SASTA	Social Audit Society of Tamil Nadu
SFC	State Finance Commission
SoR	Schedule of Rates
SVLs	Sodium Vapour Lamps
SWDs	Storm Water Drains
SWM	Solid Waste Management
TCFC	Thirteenth Central Finance Commission
TGS	Technical Guidance and Support
THAI	Tamil Nadu Village Habitations Improvement
TNEB	Tamil Nadu Electricity Board
TNPCB	Tamil Nadu Pollution Control Board
TNUIFSL	Tamil Nadu Urban Infrastructure Financial Services Limited
TWAD	Tamil Nadu Water Supply and Drainage
UCs	Utilisation Certificates
UGSS	Under Ground Sewerage Scheme
ULBs	Urban Local Bodies
VPs	Village Panchayats
WSS	Water Supply Scheme