

## 5. IRRIGATION

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## 5. IRRIGATION

## 5.1 SOURCES OF WATER SUPPLY 2010-11

(in Numbers)

<i>District</i>	<i>Canals</i>		<i>Tube Wells &amp; Other Wells</i>
	<i>Number</i>	<i>Length (Km.)</i>	
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>
1. Kancheepuram	20	184	12232
2. Thiruvallur	17	189	21231
3. Cuddalore	270	1058	37302
4. Villupuram	196	845	23845
5. Vellore	604	1067	14841
6. Tiruvannamalai	144	119	1544
7. Salem	78	233	10260
8. Namakkal	3	75	5475
9. Dharmapuri	85	187	1580
10. Krishnagiri	109	137	9868
11. Coimbatore	27	245	18711
12. Tiruppur	18	364	14631
13. Erode	10	690	8290
14. Tiruchirappalli	135	494	7309
15. Karur	23	226	2511
16. Perambalur	1	3	3731
17. Ariyalur	3	44	8616
18. Pudukkottai	28	78	14770
19. Thanjavur	25	638	48265
20. Thiruvarur	13	612	13570
21. Nagapattinam	9	548	17220
22. Madurai	80	170	833
23. Theni	107	226	4400
24. Dindigul	28	143	3861
25. Ramanathapuram	0	0	308
26. Virudhunagar	0	0	51
27. Sivaganga	19	20	1756
28. Tirunelveli	129	532	1413
29. Thoothukkudi	4	78	672
30. The Nilgiris	1	2	0
31. Kanniyakumari	53	540	1304
<b>STATE</b>	<b>2239</b>	<b>9747</b>	<b>310000</b>

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## 5.1 SOURCES OF WATER SUPPLY 2010-11 (Concl'd.)

(in Numbers)

<i>District</i>	<i>Open Wells</i>	<i>Wells used for Domestic Purpose only</i>	<i>Reservoirs</i>	<i>Tanks</i>
<i>1</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>
1. Kancheepuram	57129	46035	0	1942
2. Thiruvallur	7486	54766	0	1895
3. Cuddalore	10447	21491	1	592
4. Villupuram	147468	41820	3	2085
5. Vellore	95288	56921	3	1355
6. Tiruvannamalai	174709	18925	1	1965
7. Salem	105828	29777	3	546
8. Namakkal	72013	8703	0	259
9. Dharmapuri	84505	16489	7	1015
10. Krishnagiri	47541	5799	4	1327
11. Coimbatore	49660	6661	7	48
12. Tiruppur	79237	10181	5	43
13. Erode	75712	20129	7	698
14. Tiruchirappalli	72246	7947	1	1767
15. Karur	47372	7045	0	266
16. Perambalur	33844	7146	1	252
17. Ariyalur	6420	3091	1	564
18. Pudukkottai	17517	5599	0	5451
19. Thanjavur	2260	30726	0	428
20. Thiruvarur	137	7510	0	0
21. Nagapattinam	4018	45018	0	0
22. Madurai	47467	58994	2	2289
23. Theni	24549	6205	3	150
24. Dindigul	92118	15569	8	3104
25. Ramanathapuram	7581	17425	0	1694
26. Virudhunagar	35242	10147	6	997
27. Sivaganga	16838	28833	0	4966
28. Tirunelveli	76790	24304	13	2155
29. Thoothukkudi	22328	9457	0	651
30. The Nilgiris	779	709	0	0
31. Kanniyakumari	2051	24514	5	2623
<b>STATE</b>	<b>1516580</b>	<b>647936</b>	<b>81</b>	<b>41127</b>

Source: Department of Economics and Statistics, Chennai-600 006

## 5.2 SOURCE-WISE NET AREA IRRIGATED BY DISTRICTS 2010-11

(in Hectares)

<i>District</i>	<i>Source</i>		
	<i>Canals</i>	<i>Tanks</i>	<i>Tube Wells &amp; Other Wells</i>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>
1. Kancheepuram	211	65840	9266
2. Thiruvallur	869	14494	59022
3. Cuddalore	44541	4952	87562
4. Villupuram	1914	57686	43621
5. Vellore	52	2220	13665
6. Tiruvannamalai	990	33544	1443
7. Salem	1310	110	12169
8. Namakkal	3061	67	7135
9. Dharmapuri	509	2989	371
10. Krishnagiri	888	8247	11609
11. Coimbatore	22506	0	19541
12. Tiruppur	41463	1418	9767
13. Erode	66910	55	18017
14. Tiruchirappalli	41572	4447	4627
15. Karur	14852	51	6591
16. Perambalur	0	3168	4301
17. Ariyalur	7431	3944	18535
18. Pudukkottai	5532	73948	25009
19. Thanjavur	139451	298	31490
20. Thiruvarur	147091	0	0
21. Nagapattinam	121830	0	0
22. Madurai	25222	26384	1087
23. Theni	11178	1383	8398
24. Dindigul	4100	7332	3128
25. Ramanathapuram	0	54818	1515
26. Virudhunagar	0	25099	93
27. Sivaganga	0	70308	3497
28. Tirunelveli	17283	46374	990
29. Thoothukkudi	15581	6973	760
30. The Nilgiris	0	0	0
31. Kanniyakumari	10841	17065	168
<b>STATE</b>	<b>747188</b>	<b>533214</b>	<b>403377</b>

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## 5.2 SOURCE-WISE NET AREA IRRIGATED BY DISTRICTS 2010-11 (Concl.)

(in Hectares)

<i>District</i>	<i>Source</i>		<i>Total</i>
	<i>Open Wells</i>	<i>Other Sources</i>	
<i>1</i>	<i>5</i>	<i>6</i>	<i>7</i>
1. Kancheepuram	30766	0	106083
2. Thiruvallur	11450	0	85835
3. Cuddalore	10512	485	148052
4. Villupuram	132899	0	236120
5. Vellore	74104	0	90041
6. Tiruvannamalai	114760	0	150737
7. Salem	96413	0	110002
8. Namakkal	62276	4102	76641
9. Dharmapuri	63449	0	67318
10. Krishnagiri	30298	0	51042
11. Coimbatore	69391	1170	112608
12. Tiruppur	64962	0	117610
13. Erode	47313	1041	133336
14. Tiruchirappalli	48437	0	99083
15. Karur	33484	0	54978
16. Perambalur	23800	0	31269
17. Ariyalur	4700	0	34610
18. Pudukkottai	6295	0	110784
19. Thanjavur	935	0	172174
20. Thiruvarur	0	0	147091
21. Nagapattinam	0	956	122786
22. Madurai	34174	0	86867
23. Theni	42570	0	63529
24. Dindigul	97004	850	112414
25. Ramanathapuram	12568	0	68901
26. Virudhunagar	27643	0	52835
27. Sivaganga	15767	291	89863
28. Tirunelveli	44802	0	109449
29. Thoothukkudi	17627	0	40941
30. The Nilgiris	451	18	469
31. Kanniyakumari	432	155	28661
<b>STATE</b>	<b>1219282</b>	<b>9068</b>	<b>2912129</b>

Source: Department of Economics and Statistics, Chennai-600 006

## 5.3 AREA SOWN AND IRRIGATED BY DISTRICTS 2010-11

(in Hectares)

<i>District</i>	<i>Net Area Irrigated</i>	<i>Net Area Sown</i>	<i>Percentage of Col.2 to Col.3</i>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>
1. Kancheepuram	106083	118635	89.42
2. Thiruvallur	85835	107153	80.11
3. Cuddalore	148052	218028	67.91
4. Villupuram	236120	338764	69.70
5. Vellore	90041	175564	51.29
6. Tiruvannamalai	150737	210727	71.53
7. Salem	110002	223370	49.25
8. Namakkal	76641	160010	47.90
9. Dharmapuri	67318	159201	42.28
10. Krishnagiri	51042	170286	29.97
11. Coimbatore	112608	173191	65.02
12. Tiruppur	117610	191918	61.28
13. Erode	133336	197248	67.60
14. Tiruchirappalli	99083	166667	59.45
15. Karur	54978	90352	60.85
16. Perambalur	31269	96883	32.28
17. Ariyalur	34610	107608	32.16
18. Pudukkottai	110784	149367	74.17
19. Thanjavur	172174	200821	85.74
20. Thiruvarur	147091	152632	96.37
21. Nagapattinam	122786	153108	80.20
22. Madurai	86867	134745	64.47
23. Theni	63529	113797	55.83
24. Dindigul	112414	231494	48.56
25. Ramanathapuram	68901	187428	36.76
26. Virudhunagar	52835	122833	43.01
27. Sivaganga	89863	117095	76.74
28. Tirunelveli	109449	145047	75.46
29. Thoothukkudi	40941	184723	22.16
30. The Nilgiris	469	76172	0.62
31. Kanniyakumari	28661	78791	36.38
<b>STATE</b>	<b>2912129</b>	<b>4953658</b>	<b>58.79</b>

Contd.

## 5.3 AREA SOWN AND IRRIGATED BY DISTRICTS 2010-11 (Concl'd.)

(in Hectares)

<i>District</i>	<i>Gross Area Irrigated</i>	<i>Gross Area Sown</i>	<i>Percentage of Col. 5 to Col. 6</i>
<i>1</i>	<i>5</i>	<i>6</i>	<i>7</i>
1. Kancheepuram	117394	132486	88.61
2. Thiruvallur	114338	136194	83.95
3. Cuddalore	179022	296788	60.32
4. Villupuram	259778	365947	70.99
5. Vellore	106034	194105	54.63
6. Tiruvannamalai	195860	257478	76.07
7. Salem	142613	305040	46.75
8. Namakkal	96644	201718	47.91
9. Dharmapuri	87711	192031	45.68
10. Krishnagiri	56616	184720	30.65
11. Coimbatore	115638	179450	64.44
12. Tiruppur	122282	196996	62.07
13. Erode	156230	221591	70.50
14. Tiruchirappalli	107010	181010	59.12
15. Karur	55588	91044	61.06
16. Perambalur	33932	99546	34.09
17. Ariyalur	38902	115122	33.79
18. Pudukkottai	111633	150294	74.28
19. Thanjavur	211810	267280	79.25
20. Thiruvarur	178716	265282	67.37
21. Nagapattinam	152140	264473	57.53
22. Madurai	89290	137624	64.88
23. Theni	72386	123240	58.74
24. Dindigul	114878	236682	48.54
25. Ramanathapuram	68901	187428	36.76
26. Virudhunagar	56021	126207	44.39
27. Sivaganga	89863	117095	76.74
28. Tirunelveli	132606	171155	77.48
29. Thoothukkudi	46263	190780	24.25
30. The Nilgiris	469	76172	0.62
31. Kanniyakumari	36989	87686	42.18
<b>STATE</b>	<b>3347557</b>	<b>5752664</b>	<b>58.19</b>

Source: Department of Economics and Statistics, Chennai-6

## 5.4 PRINCIPAL CROP-WISE AREA IRRIGATED 2010-11

<i>Crop</i>	<i>Area (in Hectares)</i>		<i>%</i>
	<i>Area Irrigated</i>	<i>Total Area</i>	
Paddy	1776380	1905726	93.21
Cholam (Jowar)	26769	243465	11.00
Cumbu (Bajra)	4700	49482	9.50
Ragi	10963	75650	14.49
Sugarcane	315961	315961	100.00
Cotton	29432	120765	24.37
Ground nut	134230	385509	34.82
Other Crops	10,49,122	26,56,106	39.50

*Source: Department of Economics and Statistics, Chennai-6*



**5.5 WATER LEVEL AND RELEASE OF WATER IN  
CERTAIN RESERVOIRS FOR THE YEAR 2010-11**

<i>Name of the Reservoir</i>	<i>Full Reservoir Depth in</i>		<i>Capacity @</i>	<i>Capacity @</i>
	<i>Metres</i>	<i>Feet</i>	<i>F.R.L in M.Cum</i>	<i>F.R.L in M.cft</i>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>
1. Mettur	36.58	120	2647	93470
2. Bhavanisagar	32.00	105	929	32800
3. Amaravathy	27.43	90	115	4047
4. Periyar	46.33	152	299	10570
5. Vaigai	21.64	71	172	6091
6. Papanasam	45.11	148	156	5500
7. Manimuthar	35.97	118	156	5511
8. Pechiparai	14.63	48	126	4450
9. Perunchani	23.47	77	82	2890
10. Krishnagiri	15.85	52	47	1666
11. Sathanur	36.27	119	207	7321
12. Poondi	10.66	35	91	3231
13. Sholayar	48.77	160	143	5052
14. Parambikulam	21.95	72	380	13408
15. Aliyar	36.58	120	109	3864
16. Thirumoorthy	18.29	60	49	1744

<i>Name of Reservoir</i>	<i>Highest Level Reached</i>		<i>Lowest Level Reached</i>		<i>Total Water</i>
	<i>Metres</i>	<i>Date</i>	<i>Metres</i>	<i>Date</i>	<i>TMC</i>
<i>1</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>	<i>10</i>
1. Mettur	36.59	03.12.10	18.39	29.10.10	145.87
2. Bhavanisagar	27.25	05.12.10	19.86	28.10.10	50.89
3. Amaravathy	27.43	19.12.10	6.19	01.04.11	14.14
4. Periyar	40.48	05.12.10	33.59	01.16.10	20.30
5. Vaigai	21.53	11.12.10	6.75	02.07.10	17.57
6. Papanasam	40.89	17.12.10	7.13	30.05.11	23.65
7. Manimuthar	30.19	14.12.10	14.57	28.09.10	3.95
8. Pechiparai	14.54	16.01.11	3.63	24.09.10	10.56
9. Perunchani	23.42	21.12.10	9.43	01.06.10	8.30
10. Krishnagiri	15.79	09.12.10	11.37	21.04.11	5.21
11. Sathanur	36.27	02.12.10	24.41	17.06.10	8.03
12. Poondi	10.67	16.12.10	7.97	16.07.10	6.35
13. Sholayar	48.13	17.10.10	1.04	02.04.11	20.37
14. Parambikulam	21.47	18.12.10	4.97	18.06.10	17.80
15. Aliyar	36.52	09.10.10	28.53	13.06.10	9.96
16. Thirumoorthy	18.28	16.12.10	4.95	13.06.10	13.32

*Source: The Chief Engineer (Operation & Maintenance I.S.W.), Chennai – 5*