

## **5. IRRIGATION**

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**5. IRRIGATION****5.1 SOURCES OF WATER SUPPLY 2011-12**

(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	11894
2. Thiruvallur	17	189	22193
3. Cuddalore	270	1058	37550
4. Villupuram	196	845	23865
5. Vellore	604	1067	14664
6. Tiruvannamalai	144	119	1574
7. Salem	78	233	12064
8. Namakkal	3	75	5513
9. Dharmapuri	85	187	716
10. Krishnagiri	109	137	10862
11. Coimbatore	27	245	18591
12. Tiruppur	18	364	14861
13. Erode	10	690	8455
14. Tiruchirappalli	135	494	7917
15. Karur	23	226	2760
16. Perambalur	1	3	3731
17. Ariyalur	3	44	8682
18. Pudukkottai	28	78	14974
19. Thanjavur	25	638	48654
20. Thiruvarur	13	612	13468
21. Nagapattinam	9	548	17436
22. Madurai	80	170	843
23. Theni	107	226	4336
24. Dindigul	28	143	3854
25. Ramanathapuram	0	0	317
26. Virudhunagar	0	0	59
27. Sivaganga	19	20	1756
28. Tirunelveli	129	532	1407
29. Thoothukkudi	4	78	665
30. The Nilgiris	1	2	0
31. Kanniyakumari	53	540	1339
<b>STATE</b>	<b>2239</b>	<b>9747</b>	<b>315000</b>

Contd.

## 5.1 SOURCES OF WATER SUPPLY 2011-12 (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	55505	45733	0	1942
2. Thiruvallur	6869	57586	0	1895
3. Cuddalore	10382	21193	1	592
4. Villupuram	146537	41768	3	2085
5. Vellore	95109	56551	3	1355
6. Tiruvannamalai	173971	19866	1	1966
7. Salem	104242	29014	3	546
8. Namakkal	72000	8726	0	259
9. Dharmapuri	84332	16498	7	1015
10. Krishnagiri	45266	6561	4	1327
11. Coimbatore	49645	6631	7	48
12. Tiruppur	79287	10256	5	42
13. Erode	75713	20516	7	698
14. Tiruchirappalli	73276	7972	1	1767
15. Karur	46607	7350	0	266
16. Perambalur	33844	7146	1	252
17. Ariyalur	6203	3083	1	564
18. Pudukkottai	16159	5777	0	5451
19. Thanjavur	2227	29654	0	428
20. Thiruvaur	115	7588	0	0
21. Nagapattinam	4018	44962	0	0
22. Madurai	47347	59763	2	2289
23. Theni	24549	6316	3	150
24. Dindigul	92103	15585	8	3104
25. Ramanathapuram	7493	17010	0	1694
26. Virudhunagar	35190	10124	6	997
27. Sivaganga	16106	28759	0	4966
28. Tirunelveli	76769	24647	13	2155
29. Thoothukkudi	22156	9476	0	651
30. The Nilgiris	781	971	0	0
31. Kanniyakumari	2043	26326	5	2623
<b>STATE</b>	<b>1505844</b>	<b>653408</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 2011-12

(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	209	62222	8332
2. Thiruvallur	700	15785	57641
3. Cuddalore	46049	4484	86685
4. Villupuram	1980	57732	41235
5. Vellore	10	1961	13188
6. Tiruvannamalai	356	26925	1323
7. Salem	1260	0	13882
8. Namakkal	2423	57	7209
9. Dharmapuri	353	1543	224
10. Krishnagiri	999	8426	12761
11. Coimbatore	22140	0	21025
12. Tiruppur	41235	1265	11179
13. Erode	66135	55	16463
14. Tiruchirappalli	40460	5480	4513
15. Karur	14745	63	8705
16. Perambalur	0	2985	3426
17. Ariyalur	7756	3442	19573
18. Pudukkottai	5489	73929	28191
19. Thanjavur	140307	253	33175
20. Thiruvarur	148602	0	0
21. Nagapattinam	122529	0	0
22. Madurai	25152	25052	773
23. Theni	10804	1277	8598
24. Dindigul	4229	9828	2877
25. Ramanathapuram	0	54779	1458
26. Virudhunagar	0	24299	146
27. Sivaganga	0	72697	2043
28. Tirunelveli	18121	48587	808
29. Thoothukkudi	13319	8572	582
30. The Nilgiris	0	0	0
31. Kanniyakumari	10975	16200	312
<b>STATE</b>	<b>746337</b>	<b>527898</b>	<b>406327</b>

Contd.

## 5.2 SOURCE-WISE NET AREA IRRIGATED BY DISTRICTS 2011-12 (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	30289	0	101052
2. Thiruvallur	11618	0	85744
3. Cuddalore	10854	477	148549
4. Villupuram	134698	0	235645
5. Vellore	75342	0	90501
6. Tiruvannamalai	119924	0	148528
7. Salem	101843	0	116985
8. Namakkal	62242	3269	75200
9. Dharmapuri	81086	0	83206
10. Krishnagiri	29934	0	52120
11. Coimbatore	70073	1161	114399
12. Tiruppur	69280	0	122959
13. Erode	43081	435	126169
14. Tiruchirappalli	48070	0	98523
15. Karur	36965	0	60478
16. Perambalur	27317	0	33728
17. Ariyalur	4819	0	35590
18. Pudukkottai	8428	0	116037
19. Thanjavur	1011	0	174746
20. Thiruvarur	0	0	148602
21. Nagapattinam	55	524	123108
22. Madurai	37578	0	88555
23. Theni	43675	0	64354
24. Dindigul	103239	721	120894
25. Ramanathapuram	10659	0	66896
26. Virudhunagar	30634	0	55079
27. Sivaganga	15048	0	89788
28. Tirunelveli	49969	0	117485
29. Thoothukkudi	18039	106	40618
30. The Nilgiris	364	19	383
31. Kanniyakumari	496	123	28106
<b>STATE</b>	<b>1276630</b>	<b>6835</b>	<b>2964027</b>

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

## 5.3 AREA SOWN AND IRRIGATED BY DISTRICTS 2011-12

(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	101052	110872	91.14
2. Thiruvallur	85744	106147	80.78
3. Cuddalore	148549	217331	68.35
4. Villupuram	235645	332220	70.93
5. Vellore	90501	174696	51.80
6. Tiruvannamalai	148528	197132	75.34
7. Salem	116985	227447	51.43
8. Namakkal	75200	148114	50.77
9. Dharmapuri	83206	195740	42.51
10. Krishnagiri	52120	182889	28.50
11. Coimbatore	114399	176077	64.97
12. Tiruppur	122959	195101	63.02
13. Erode	126169	183300	68.83
14. Tiruchirappalli	98523	165109	59.67
15. Karur	60478	96461	62.70
16. Perambalur	33728	103719	32.52
17. Ariyalur	35590	102067	34.87
18. Pudukkottai	116037	153608	75.54
19. Thanjavur	174746	199488	87.60
20. Thiruvavarur	148602	154004	96.49
21. Nagapattinam	123108	153965	79.96
22. Madurai	88555	134653	65.77
23. Theni	64354	116077	55.44
24. Dindigul	120894	241747	50.01
25. Ramanathapuram	66896	186954	35.78
26. Virudhunagar	55079	123921	44.45
27. Sivaganga	89788	118472	75.79
28. Tirunelveli	117485	155658	75.48
29. Thoothukkudi	40618	178623	22.74
30. The Nilgiris	383	75741	0.51
31. Kanniyakumari	28106	78524	35.79
<b>STATE</b>	<b>2964027</b>	<b>4985857</b>	<b>59.45</b>

Contd.

## 5.3 AREA SOWN AND IRRIGATED BY DISTRICTS 2011-12 (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	115000	126642	90.81
2. Thiruvallur	111830	133148	83.99
3. Cuddalore	180345	299690	60.18
4. Villupuram	253389	355081	71.36
5. Vellore	106773	196236	54.41
6. Tiruvannamalai	195440	246958	79.14
7. Salem	168815	327068	51.61
8. Namakkal	94360	179421	52.59
9. Dharmapuri	121890	249528	48.85
10. Krishnagiri	60117	208053	28.90
11. Coimbatore	117541	185072	63.51
12. Tiruppur	127124	199918	63.59
13. Erode	141386	198874	71.09
14. Tiruchirappalli	108389	178209	60.82
15. Karur	67158	104024	64.56
16. Perambalur	37609	107838	34.88
17. Ariyalur	39254	106412	36.89
18. Pudukkottai	120772	159132	75.89
19. Thanjavur	242359	285305	84.95
20. Thiruvarur	206192	280142	73.60
21. Nagapattinam	164183	279312	58.78
22. Madurai	96896	143327	67.60
23. Theni	78296	130344	60.07
24. Dindigul	125445	247627	50.66
25. Ramanathapuram	66896	186954	35.78
26. Virudhunagar	59012	127958	46.12
27. Sivaganga	89915	119978	74.94
28. Tirunelveli	141147	180921	78.02
29. Thoothukkudi	44411	183080	24.26
30. The Nilgiris	383	75744	0.51
31. Kanniyakumari	36495	87676	41.62
<b>STATE</b>	<b>3518822</b>	<b>5889672</b>	<b>59.75</b>

Source: Department of Economics and Statistics, Chennai-6

## 5.4 PRINCIPAL CROP-WISE AREA IRRIGATED 2011-12

<i>Crop</i>	<i>Area (in Hectares)</i>		<i>%</i>
	<i>Area Irrigated</i>	<i>Total Area</i>	
<b>Paddy</b>	<b>1784762</b>	<b>1903772</b>	<b>93.75</b>
<b>Cholam (Jowar)</b>	<b>30706</b>	<b>197695</b>	<b>15.53</b>
<b>Cumbu (Bajra)</b>	<b>6427</b>	<b>46664</b>	<b>13.77</b>
<b>Ragi</b>	<b>16482</b>	<b>82805</b>	<b>19.90</b>
<b>Sugarcane</b>	<b>346350</b>	<b>346350</b>	<b>100.00</b>
<b>Cotton</b>	<b>39532</b>	<b>135805</b>	<b>29.11</b>
<b>Ground nut</b>	<b>154400</b>	<b>385612</b>	<b>40.04</b>
<b>Other Crops</b>	<b>11,40,163</b>	<b>27,90,969</b>	<b>40.85</b>

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



**5.5 WATER LEVEL AND RELEASE OF WATER IN  
CERTAIN RESERVOIRS FOR THE YEAR 2011-12**

Name of the Reservoir	Full Reservoir Depth in		Capacity @ F.R.L in M.Cum	Capacity @ F.R.L in M.cft
	Metres	Feet		
1	2	3	4	5
1. Mettur	36.58	120.00	2647	93470
2. Bhavanisagar	32.00	105.00	929	32800
3. Amaravathy	27.43	90.00	115	4047
4. Periyar	46.33	152.00	299	10570
5. Vaigai	21.64	71.00	172	6091
6. Papanasam	43.59	143.00	156	5500
7. Manimuthar	35.97	118.00	156	5511
8. Pechiparai	14.63	48.00	126	4450
9. Perunchani	23.47	77.00	82	2890
10. Krishnagiri	15.85	52.00	47	1666
11. Sathanur	36.27	119.00	207	7321
12. Poondi	10.66	35.00	91	3231
13. Sholayar	48.77	160.00	143	5052
14. Parambikulam	21.95	72.00	380	13408
15. Aliyar	36.58	120.00	109	3864
16. Thirumoothy	18.29	60.00	49	1744

Name of Reservoir	Highest Level Reached		Lowest Level Reached		Total Water Released in TMC
	Metres	Date	Metres	Date	
1	6	7	8	9	10
1. Mettur	35.36	06.06.11	23.55	27.04.12	244.713
2. Bhavanisagar	27.13	03.12.11	14.55	01.05.12	57.113
3. Amaravathy	27.41	14.12.11	4.80	29.04.12	11.599
4. Periyar	41.64	02.12.11	33.44	21.03.12	22.682
5. Vaigai	21.52	06.08.11	12.70	25.07.11	27.213
6. Papanasam	42.64	06.12.11	6.10	14.10.11	22.355
7. Manimuthar	30.07	22.12.11	9.39	14.10.11	3.455
8. Pechiparai	14.03	18.06.11	2.68	11.03.12	14.918
9. Perunchani	20.68	20.12.11	8.78	10.04.12	5.586
10. Krishnagiri	15.62	12.10.11	10.13	24.04.12	6.972
11. Sathanur	36.33	29.01.12	23.77	31.05.12	5.735
12. Poondi	10.62	12.01.12	8.30	30.06.11	8.823
13. Sholayar	51.13	30.08.11	6.51	04.03.12	21.722
14. Parambikulam	21.95	26.09.11	13.12	31.05.12	25.068
15. Aliyar	36.58	04.09.11	29.70	31.05.12	10.375
16. Thirumoothy	17.92	10.12.11	6.47	31.05.12	11.824

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