

## 5. IRRIGATION

### Table

- 5.1 Sources of Water Supply
- 5.2 Source wise Net Area Irrigated by Districts
- 5.3 Area Sown and Irrigated by Districts
- 5.4 Principal Crop wise Area Irrigated
- 5.5 Water Level and Release of Water in certain Reservoirs

**5. IRRIGATION****5.1 SOURCES OF WATER SUPPLY 2007-08**

(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	12249
2. Thiruvallur	17	189	21508
3. Cuddalore	270	1058	36680
4. Villupuram	196	845	23734
5. Vellore	604	1067	14936
6. Thiruvannamalai	144	119	1240
7. Salem	78	233	9552
8. Namakkal	3	75	5187
9. Dharmapuri	85	187	1117
10. Krishnagiri	109	137	8183
11. Coimbatore	42	527	29954
12. Erode	13	772	9905
13. The Nilgiris	1	2	0
14. Tiruchirappalli	135	494	7264
15. Karur	23	226	2055
16. Perambalur	4	47	12033
17. Pudukottai	28	78	13601
18. Thanjavur	25	638	46768
19. Thiruvarur	13	612	13669
20. Nagapattinam	9	548	16913
21. Madurai	80	170	871
22. Theni	107	226	4298
23. Dindigul	28	143	3266
24. Ramanathapuram	0	0	310
25. Virudhunagar	0	0	5
26. Sivagangai	19	20	1458
27. Tirunelveli	129	532	1047
28. Thoothukudi	4	78	786
29. Kanyakumari	53	540	1303
<b>STATE</b>	<b>2239</b>	<b>9747</b>	<b>299892</b>

## 5.1 SOURCES OF WATER SUPPLY 2007-08 (Concl.)

(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	63411	48303	0	1942
2. Thiruvallur	12775	65183	0	1895
3. Cuddalore	10878	21965	1	592
4. Villupuram	147332	42245	3	2085
5. Vellore	95752	56298	3	1355
6. Thiruvannamalai	143314	13427	1	1965
7. Salem	108338	31218	3	546
8. Namakkal	73249	9133	0	259
9. Dharmapuri	82289	16265	7	1015
10. Krishnagiri	56414	7137	4	1327
11. Coimbatore	87752	12605	9	77
12. Erode	121358	25362	7	847
13. The Nilgiris	775	668	0	0
14. Tiruchirappalli	73830	7863	1	1767
15. Karur	47230	6623	0	266
16. Perambalur	44267	10891	2	816
17. Pudukottai	24868	5527	0	5451
18. Thanjavur	2515	35124	0	428
19. Thiruvarur	164	18860	0	0
20. Nagapattinam	4038	44992	0	0
21. Madurai	47879	56364	2	2287
22. Theni	24477	5937	3	150
23. Dindigul	94088	15457	8	3104
24. Ramanathapuram	7591	18664	0	1694
25. Virudhunagar	35659	10162	6	997
26. Sivagangai	16558	27852	0	4966
27. Tirunelveli	78640	24973	13	2155
28. Thoothukudi	24770	12896	0	651
29. Kanyakumari	2051	25358	5	2623
<b>STATE</b>	<b>1532262</b>	<b>677352</b>	<b>78</b>	<b>41260</b>

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

**5.2 SOURCE-WISE NET AREA IRRIGATED BY DISTRICTS 2007-08**

(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	135	57026	9096
2. Thiruvallur	1643	13815	56292
3. Cuddalore	43624	6960	85055
4. Villupuram	2101	53999	48837
5. Vellore	0	1127	15314
6. Thiruvannamalai	1423	33324	1085
7. Salem	4013	1372	9278
8. Namakkal	6046	205	4911
9. Dharmapuri	972	3290	773
10. Krishnagiri	756	7218	7115
11. Coimbatore	47832	1384	26459
12. Erode	87961	263	16489
13. The Nilgiris	15	0	0
14. Tiruchirappalli	38622	4696	7554
15. Karur	15820	55	4769
16. Perambalur	9496	5952	17865
17. Pudukottai	8658	65714	22812
18. Thanjavur	129791	306	36602
19. Thiruvarur	145238	0	0
20. Nagapattinam	122729	0	0
21. Madurai	26854	25226	584
22. Theni	11142	1260	7694
23. Dindigul	5610	6540	3686
24. Ramanathapuram	0	53110	2922
25. Virudhunagar	0	24024	11
26. Sivagangai	0	65416	1933
27. Tirunelveli	20201	47755	878
28. Thoothukudi	11824	10127	1108
29. Kanyakumari	10148	15906	157
<b>STATE</b>	<b>752654</b>	<b>506070</b>	<b>389279</b>

Contd.

**5.2 SOURCE-WISE NET AREA IRRIGATED BY DISTRICTS 2007-08 (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	56041	0	122298
2. Thiruvallur	19877	0	91627
3. Cuddalore	9954	1018	146611
4. Villupuram	123020	36	227993
5. Vellore	84548	12	101001
6. Thiruvannamalai	113950	0	149782
7. Salem	84363	1	99027
8. Namakkal	48948	4485	64595
9. Dharmapuri	60780	0	65815
10. Krishnagiri	31103	0	46192
11. Coimbatore	101711	1439	178825
12. Erode	66373	2257	173343
13. The Nilgiris	534	140	689
14. Tiruchirappalli	51392	0	102264
15. Karur	29292	0	49936
16. Perambalur	29608	83	63004
17. Pudukottai	7699	0	104883
18. Thanjavur	1041	0	167740
19. Thiruvarur	0	0	145238
20. Nagapattinam	0	646	123375
21. Madurai	31012	5	83681
22. Theni	38888	0	58984
23. Dindigul	85842	960	102638
24. Ramanathapuram	17213	0	73245
25. Virudhunagar	34229	0	58264
26. Sivagangai	9743	0	77092
27. Tirunelveli	48274	185	117293
28. Thoothukudi	18592	0	41651
29. Kanyakumari	375	151	26737
<b>STATE</b>	<b>1204402</b>	<b>11418</b>	<b>2863823</b>

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

## 5.3 AREA SOWN AND IRRIGATED BY DISTRICTS 2007-08

(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	122298	128584	95.11
2. Thiruvallur	91627	111546	82.14
3. Cuddalore	146611	216148	67.83
4. Villupuram	227993	335266	68.00
5. Vellore	101001	197252	51.20
6. Thiruvannamalai	149782	224500	66.72
7. Salem	99027	204100	48.52
8. Namakkal	64595	159380	40.53
9. Dharmapuri	65815	158387	41.55
10. Krishnagiri	46192	178587	25.87
11. Coimbatore	178825	307351	58.18
12. Erode	173343	290185	59.74
13. The Nilgiris	689	77572	0.89
14. Tiruchirappalli	102264	174280	58.68
15. Karur	49936	96603	51.69
16. Perambalur	63004	210682	29.90
17. Pudukottai	104883	151760	69.11
18. Thanjavur	167740	195311	85.88
19. Thiruvaur	145238	150900	96.25
20. Nagapattinam	123375	154044	80.09
21. Madurai	83681	141825	59.00
22. Theni	58984	112405	52.47
23. Dindigul	102638	236221	43.45
24. Ramanathapuram	73245	187167	39.13
25. Virudhunagar	58264	129951	44.84
26. Sivagangai	77092	112144	68.74
27. Tirunelveli	117293	164089	71.48
28. Thoothukudi	41651	175708	23.70
29. Kanyakumari	26737	79971	33.43
<b>STATE</b>	<b>2863823</b>	<b>5061919</b>	<b>56.58</b>

**5.3 AREA SOWN AND IRRIGATED BY DISTRICTS 2007-08 (Concl.)**

(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	130746	137061	95.39
2. Thiruvallur	111230	132154	84.17
3. Cuddalore	173290	290239	59.71
4. Villupuram	257202	374360	68.70
5. Vellore	121130	221859	54.60
6. Thiruvannamalai	197419	275403	71.68
7. Salem	107624	218423	49.27
8. Namakkal	80151	183897	43.58
9. Dharmapuri	75842	180382	42.05
10. Krishnagiri	47671	187297	25.45
11. Coimbatore	187266	321526	58.24
12. Erode	191441	308398	62.08
13. The Nilgiris	689	77572	0.89
14. Tiruchirappalli	111294	191982	57.97
15. Karur	52447	99903	52.50
16. Perambalur	71070	221968	32.02
17. Pudukottai	105634	152654	69.20
18. Thanjavur	206320	280220	73.63
19. Thiruvarur	166145	263067	63.16
20. Nagapattinam	150105	282252	53.18
21. Madurai	92600	150976	61.33
22. Theni	66351	119934	55.32
23. Dindigul	107899	245176	44.01
24. Ramanathapuram	73245	187167	39.13
25. Virudhunagar	62638	134596	46.54
26. Sivagangai	77170	112226	68.76
27. Tirunelveli	144041	192493	74.83
28. Thoothukudi	46046	180989	25.44
29. Kanyakumari	36974	91000	40.63
<b>STATE</b>	<b>3251680</b>	<b>5815174</b>	<b>55.92</b>

Source: Department of Economics and Statistics, Chennai-6  
www.jeywin.com

**5.4 PRINCIPAL CROP-WISE AREA IRRIGATED 2007-08**

<b>Crop</b>	<b>Area (in Hectares)</b>		<b>%</b>
	<b>Area Irrigated</b>	<b>Total Area</b>	
<b>Paddy</b>	<b>1659446</b>	<b>1789170</b>	<b>92.75</b>
<b>Cholam (Jowar)</b>	<b>18787</b>	<b>283526</b>	<b>6.63</b>
<b>Cumbu (Bajra)</b>	<b>4132</b>	<b>59798</b>	<b>6.91</b>
<b>Ragi</b>	<b>11541</b>	<b>93701</b>	<b>12.32</b>
<b>Sugarcane</b>	<b>354012</b>	<b>354022</b>	<b>100.00</b>
<b>Cotton</b>	<b>35452</b>	<b>99335</b>	<b>35.69</b>
<b>Ground nut</b>	<b>193595</b>	<b>535211</b>	<b>36.17</b>
<b>Other Crops</b>	<b>974715</b>	<b>2600411</b>	<b>37.48</b>

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



**5.5 WATER LEVEL AND RELEASE OF WATER IN CERTAIN RESERVOIRS  
FOR THE YEAR 2008-09**

<i>Name of the Reservoir</i>	<i>Full Reservoir Depth in</i>		<i>Capacity @ F.R.L in M.Cum</i>	<i>Capacity @ F.R.L in M.cft</i>
	<i>Metres</i>	<i>Feet</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	33.53	110	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. Thirumoothy	18.29	60	49	1744

<i>Name of Reservoir</i>	<i>Highest Level Reached</i>		<i>Lowest Level Reached</i>		<i>Total Water Released in</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	31.47	12.06.08	15.84	17.05.09	241.64
2. Bhavanisagar	30.55	31.08.08	14.02	31.05.09	58.95
3. Amaravathy	33.53	27.12.08	12.27	09.05.09	13.49
4. Periyar	40.57	01.06.08	33.13	11.03.09	21.66
5. Vaigai	21.35	01.06.08	8.37	31.05.09	23.99
6. Papanasam	43.40	14.12.08	9.22	15.07.09	24.97
7. Manimuthar	35.97	22.12.08	17.34	29.07.08	8.58
8. Pechiparai	14.16	12.12.08	9.02	10.03.08	12.80
9. Perunchani	22.98	04.12.08	7.86	23.07.08	7.09
10. Krishnagiri	15.80	15.12.08	10.33	28.04.09	9.75
11. Sathanur	36.27	01.01.09	23.12	30.05.09	6.49
12. Poondi	10.66	04.12.08	6.78	20.09.09	5.09
13. Sholayar	49.39	12.09.08	0.87	05.05.09	17.69
14. Parambikulam	20.50	28.10.08	5.07	28.04.09	20.15
15. Aliyar	35.66	06.11.08	21.60	23.02.09	11.10
16. Thirumoothy	18.07	22.06.09	6.44	02.05.09	18.74

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