

5. IRRIGATION

5.1 Sources of Water Supply

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5.3 Area Sown and Irrigated by Districts

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5.5 Water Level and Release of Water in certain Reservoirs

5. IRRIGATION**5.1 SOURCES OF WATER SUPPLY 2009-10 (P)**

(in Numbers)

<i>District</i>	<i>Canals</i>		<i>Tube Wells & 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	12131
2. Thiruvallur	17	189	20819
3. Cuddalore	270	1058	37072
4. Villupuram	196	845	23806
5. Vellore	604	1067	14894
6. Thiruvannamalai	144	119	1383
7. Salem	78	233	9829
8. Namakkal	3	75	5374
9. Dharmapuri	85	187	1405
10. Krishnagiri	109	137	8987
11. Coimbatore	27	245	18759
12. Thiruppur	18	364	14607
13. Erode	10	690	8113
14. Tiruchirappalli	135	494	7238
15. Karur	23	226	2256
16. Perambalur	1	3	3731
17. Ariyalur	3	44	8514
18. Pudukottai	28	78	14071
19. Thanjavur	25	638	47808
20. Thiruvarur	13	612	13644
21. Nagapattinam	9	548	17214
22. Madurai	80	170	852
23. Theni	107	226	4276
24. Dindigul	28	143	3831
25. Ramanathapuram	0	0	308
26. Virudhunagar	0	0	45
27. Sivagangai	19	20	1590
28. Tirunelveli	129	532	1421
29. Thoothukudi	4	78	684
30. The Nilgiris	1	2	0
31. Kanyakumari	53	540	1304
STATE	2239	9747	305966

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5.1 SOURCES OF WATER SUPPLY 2009-10 (P) (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	62522	48106	0	1942
2. Thiruvallur	9307	65740	0	1895
3. Cuddalore	10643	21912	1	592
4. Villupuram	147303	41989	3	2085
5. Vellore	95326	57055	3	1355
6. Thiruvannamalai	174323	19183	1	1965
7. Salem	105921	29896	3	546
8. Namakkal	72103	8837	0	259
9. Dharmapuri	83970	15879	7	1015
10. Krishnagiri	50989	5971	4	1327
11. Coimbatore	50186	6685	7	48
12. Thiruppur	79312	10175	2	178
13. Erode	75723	20095	7	698
14. Tiruchirappalli	72505	7948	1	1767
15. Karur	47316	6841	0	266
16. Perambalur	33844	7146	1	252
17. Ariyalur	6965	3170	1	564
18. Pudukottai	18910	5178	0	5451
19. Thanjavur	2281	31026	0	428
20. Thiruvarur	137	11542	0	0
21. Nagapattinam	4018	45405	0	0
22. Madurai	47497	58031	2	2289
23. Theni	24547	6144	3	150
24. Dindigul	92118	15472	8	3104
25. Ramanathapuram	7581	18038	0	1694
26. Virudhunagar	35356	10240	6	997
27. Sivagangai	16931	28546	0	4966
28. Tirunelveli	77131	24183	13	2155
29. Thoothukudi	22489	9490	0	651
30. The Nilgiris	779	708	0	0
31. Kanyakumari	2056	25450	5	2623
STATE	1530089	666081	78	41262

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

5.2 SOURCE-WISE NET AREA IRRIGATED BY DISTRICTS 2009-10 (P)

(in Hectares)

<i>District</i>	<i>Source</i>		
	<i>Canals</i>	<i>Tanks</i>	<i>Tube Wells & Other Wells</i>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>
1. Kancheepuram	228	68479	7286
2. Thiruvallur	1014	13131	60538
3. Cuddalore	47099	5723	80220
4. Villupuram	1810	54809	41722
5. Vellore	0	3464	14334
6. Thiruvannamalai	568	19401	1120
7. Salem	1981	170	9674
8. Namakkal	4854	113	6877
9. Dharmapuri	308	2691	1920
10. Krishnagiri	1004	6819	9748
11. Coimbatore	21870	0	22012
12. Thiruppur	41066	1447	14103
13. Erode	71909	67	16390
14. Tiruchirappalli	40776	4054	5348
15. Karur	14901	25	4674
16. Perambalur	0	2457	3417
17. Ariyalur	9160	3545	14354
18. Pudukottai	6028	75126	24063
19. Thanjavur	134554	250	33292
20. Thiruvarur	150564	0	0
21. Nagapattinam	123696	0	0
22. Madurai	23986	20731	799
23. Theni	10887	1100	8795
24. Dindigul	4117	7284	3479
25. Ramanathapuram	0	52682	2006
26. Virudhunagar	0	23212	77
27. Sivagangai	0	64509	3111
28. Tirunelveli	18330	49156	788
29. Thoothukudi	15575	6402	802
30. The Nilgiris	0	0	0
31. Kanyakumari	10805	16644	158
STATE	757090	503491	391107

Contd.

5.2 SOURCE-WISE NET AREA IRRIGATED BY DISTRICTS 2009-10 (P) - (Concl.d.)

(in Hectares)

District	Source		Total
	Open Wells	Other Sources	
1	5	6	7
1. Kancheepuram	30418	0	106411
2. Thiruvallur	13646	17	88346
3. Cuddalore	9217	704	142963
4. Villupuram	138143	0	236484
5. Vellore	71636	0	89434
6. Thiruvannamalai	121472	0	142561
7. Salem	92746	0	104571
8. Namakkal	54766	4407	71017
9. Dharmapuri	58496	0	63415
10. Krishnagiri	30935	0	48506
11. Coimbatore	66921	1161	111964
12. Thiruppur	60524	0	117140
13. Erode	42526	1187	132079
14. Tiruchirappalli	48562	0	98740
15. Karur	37239	0	56839
16. Perambalur	21475	0	27349
17. Ariyalur	5209	0	32268
18. Pudukottai	6804	0	112021
19. Thanjavur	939	0	169035
20. Thiruvarur	0	0	150564
21. Nagapattinam	202	955	124853
22. Madurai	33723	2	79241
23. Theni	40638	0	61420
24. Dindigul	90639	678	106197
25. Ramanathapuram	13219	0	67907
26. Virudhunagar	31034	0	54323
27. Sivagangai	13874	0	81494
28. Tirunelveli	48626	0	116900
29. Thoothukudi	18494	0	41273
30. The Nilgiris	346	55	401
31. Kanyakumari	393	151	28151
STATE	1202862	9317	2863867

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

5.3 AREA SOWN AND IRRIGATED BY DISTRICTS 2009-10 (P)

(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	106411	120802	88.09
2. Thiruvallur	88346	106137	83.24
3. Cuddalore	142963	212664	67.22
4. Villupuram	236484	333997	70.80
5. Vellore	89434	174859	51.15
6. Thiruvannamalai	142561	199536	71.45
7. Salem	104571	208126	50.24
8. Namakkal	71017	155625	45.63
9. Dharmapuri	63415	148151	42.80
10. Krishnagiri	48506	170476	28.45
11. Coimbatore	111964	180185	62.14
12. Thiruppur	117140	194079	60.36
13. Erode	132079	199389	66.24
14. Tiruchirappalli	98740	165391	59.70
15. Karur	56839	94756	59.98
16. Perambalur	27349	93581	29.22
17. Ariyalur	32268	106316	30.35
18. Pudukottai	112021	150671	74.35
19. Thanjavur	169035	194911	86.72
20. Thiruvaur	150564	156100	96.45
21. Nagapattinam	124853	156855	79.60
22. Madurai	79241	125267	63.26
23. Theni	61420	113604	54.06
24. Dindigul	106197	220092	48.25
25. Ramanathapuram	67907	190973	35.56
26. Virudhunagar	54323	119095	45.61
27. Sivagangai	81494	110416	73.81
28. Tirunelveli	116900	155964	74.95
29. Thoothukudi	41273	178083	23.18
30. The Nilgiris	401	76992	0.52
31. Kanyakumari	28151	79049	35.61
STATE	2863867	4892142	58.54

Contd.

5.3 AREA SOWN AND IRRIGATED BY DISTRICTS 2009-10 (P) - (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	112178	126868	88.42
2. Thiruvallur	109089	127458	85.59
3. Cuddalore	168061	284713	59.03
4. Villupuram	261253	362758	72.02
5. Vellore	103853	192725	53.89
6. Thiruvannamalai	175979	235411	74.75
7. Salem	125358	249266	50.29
8. Namakkal	84791	174486	48.59
9. Dharmapuri	78140	178267	43.83
10. Krishnagiri	51643	180285	28.65
11. Coimbatore	115529	187774	61.53
12. Thiruppur	121942	199034	61.27
13. Erode	156266	224781	69.52
14. Tiruchirappalli	107220	181143	59.19
15. Karur	58241	96573	60.31
16. Perambalur	29850	96333	30.99
17. Ariyalur	35456	110872	31.98
18. Pudukottai	112654	151673	74.27
19. Thanjavur	209540	254892	82.21
20. Thiruvarur	176647	258181	68.42
21. Nagapattinam	153164	268715	57.00
22. Madurai	81208	127524	63.68
23. Theni	70862	123332	57.46
24. Dindigul	108047	223034	48.44
25. Ramanathapuram	67907	190973	35.56
26. Virudhunagar	57040	122297	46.64
27. Sivagangai	81494	110416	73.81
28. Tirunelveli	141857	183319	77.38
29. Thoothukudi	45671	183151	24.94
30. The Nilgiris	401	76992	0.52
31. Kanyakumari	36893	88472	41.70
STATE	3238234	5571718	58.12

Source: Department of Economics and Statistics, Chennai-6

5.4 PRINCIPAL CROP-WISE AREA IRRIGATED 2009-10 (P)

<i>Crop</i>	<i>Area (in Hectares)</i>		<i>%</i>
	<i>Area Irrigated</i>	<i>Total Area</i>	
Paddy	1711880	1845553	92.76
Cholam (Jowar)	24467	238476	10.26
Cumbu (Bajra)	6049	54427	11.11
Ragi	10175	82335	12.36
Sugarcane	293325	293329	100.00
Cotton	29818	104095	28.64
Ground nut	155968	413011	37.76
Other Crops	10,06,552	25,40,492	39.62

Source: Department of Economics and Statistics, Chennai-6

**5.5 WATER LEVEL AND RELEASE OF WATER IN CERTAIN RESERVOIRS
FOR THE YEAR 2009-10**

<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. 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	31.00	26.09.09	17.32	01.06.09	197.60
2. Bhavanisagar	28.49	29.11.09	12.99	02.07.09	58.94
3. Amaravathy	32.99	22.11.09	6.10	26.05.10	13.80
4. Periyar	41.40	22.11.09	33.10	26.03.10	21.03
5. Vaigai	21.09	16.11.09	7.57	01.07.09	16.78
6. Papanasam	45.69	22.12.09	11.23	24.06.09	24.73
7. Manimuthar	35.98	27.12.09	16.17	14.07.09	8.49
8. Pechiparai	11.55	10.06.09	3.69	10.03.10	15.70
9. Perunchani	17.59	26.11.09	5.05	16.04.10	4.75
10. Krishnagiri	15.76	11.12.09	10.14	30.04.10	5.22
11. Sathanur	32.65	04.01.10	22.67	16.09.09	3.18
12. Poondi	10.48	16.12.09	5.56	19.09.09	6.26
13. Sholayar	49.99	19.07.09	1.26	03.06.09	22.35
14. Parambikulam	21.94	21.09.09	5.89	01.06.09	24.32
15. Aliyar	36.55	14.09.09	25.43	03.07.09	12.07
16. Thirumoothy	18.17	22.01.10	5.23	05.05.10	16.76

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