

**5. IRRIGATION.****5.1 SOURCES OF WATER SUPPLY 2020-21****(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. Chennai	0	0	153
2. Kancheepuram	10	140	7037
3. Chengalpattu	10	44	5474
4. Thiruvallur	17	189	27121
5. Cuddalore	270	1058	37929
6. Villupuram	122	369	21442
7. Kallakurichi	74	476	2778
8. Vellore	231	453	4316
9. Ranipet	189	346	8074
10. Thirupathur	184	268	3275
11. Thiruvannamalai	144	119	5302
12. Salem	81	244	20149
13. Namakkal	3	75	15984
14. Dharmapuri	85	187	2070
15. Krishnagiri	109	137	17866
16. Coimbatore	27	245	21306
17. Tiruppur	16	353	18459
18. Erode	10	690	9783
19. Tiruchirappalli	135	494	9193
20. Karur	23	226	4819
21. Perambalur	1	3	3558
22. Ariyalur	3	44	13503
23. Pudukottai	28	78	24489
24. Thanjavur	25	638	51790
25. Thiruvarur	13	612	13416
26. Nagapattinam	4	295	578
27. Mayiladuthurai	5	253	21294
28. Madurai	80	170	971
29. Theni	107	226	5624
30. Dindigul	28	143	15279
31. Ramanathapuram	0	0	430
32. Virudhunagar	0	0	97
33. Sivagangai	19	20	3844
34. Tirunelveli	20	308	1773
35. Thenkasi	109	224	788
36. Thoothukudi	4	78	1048
37. The Nilgiris	1	2	0
38. Kanyakumari	53	540	1859
<b>STATE</b>	<b>2240</b>	<b>9747</b>	<b>402871</b>

## 5.1 SOURCES OF WATER SUPPLY 2020-21 (Contd.)

(In Numbers)

<i>District</i>	<i>Open Wells</i>	<i>Wells used for Domestic Purpose only</i>	<i>Tanks</i>	<i>Reservoirs</i>
<i>1</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>
1. Chennai	90	42439	91	0
2. Kancheepuram	14459	8114	749	1
3. Chengalpattu	34976	30506	1130	0
4. Thiruvallur	6835	32366	1867	3
5. Cuddalore	10136	21086	592	2
6. Villupuram	83569	26457	1359	1
7. Kallakurichi	59684	14496	726	2
8. Vellore	35080	16607	341	2
9. Ranipet	35406	19444	618	2
10. Thirupathur	24029	15837	396	1
11. Thiruvannamalai	180932	23301	1966	4
12. Salem	105312	27235	546	3
13. Namakkal	70143	13356	259	0
14. Dharmapuri	84231	17397	1015	7
15. Krishnagiri	40461	8495	1327	4
16. Coimbatore	49787	6615	48	4
17. Tiruppur	79188	10655	43	5
18. Erode	75171	25066	698	5
19. Tiruchirappalli	69543	9111	1767	1
20. Karur	40655	7963	266	2
21. Perambalur	33686	8109	252	0
22. Ariyalur	3584	4430	564	1
23. Pudukottai	19571	16504	5451	0
24. Thanjavur	1064	31150	428	0
25. Thiruvarur	23	6042	0	0
26. Nagapattinam	4018	19734	0	0
27. Mayiladuthurai	0	29824	0	0
28. Madurai	45377	82442	2288	1
29. Theni	24538	8402	150	4
30. Dindigul	88233	33638	3104	8
31. Ramanathapuram	7328	16146	1694	0
32. Virudhunagar	35151	10201	997	8
33. Sivagangai	12237	32612	4960	0
34. Tirunelveli	26602	7554	1152	5
35. Thenkasi	51837	18128	1003	5
36. Thoothukudi	21417	8466	653	0
37. The Nilgiris	853	1131	0	0
38. Kanyakumari	2049	28027	2623	6
<b>STATE</b>	<b>1477255</b>	<b>739086</b>	<b>41123</b>	<b>87</b>

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

## 5.2 SOURCE-WISE NET AREA IRRIGATED BY DISTRICTS 2020-21

(In Hectares)

District	Source		
	Canals	Tanks	Tube Wells & Bore Wells
1	2	3	4
1. Chennai	0	54	178
2. Kancheepuram	10	22867	6480
3. Chengalpattu	5	32301	6847
4. Thiruvallur	8	11123	68324
5. Cuddalore	41892	1882	88162
6. Villupuram	211	12091	41202
7. Kallakurichi	420	12972	4174
8. Vellore	0	0	2998
9. Ranipet	0	1953	7961
10. Thirupathur	0	0	5831
11. Thiruvannamalai	109	11707	3594
12. Salem	4382	0	21339
13. Namakkal	4332	0	10097
14. Dharmapuri	295	626	794
15. Krishnagiri	635	5909	22819
16. Coimbatore	16853	202	33224
17. Tiruppur	27581	1591	12394
18. Erode	45540	13	13447
19. Tiruchirappalli	32210	927	9468
20. Karur	7665	0	13296
21. Perambalur	0	44	2269
22. Ariyalur	3552	2517	28130
23. Pudukottai	3908	55205	41573
24. Thanjavur	153459	0	34256
25. Thiruvarur	147995	0	0
26. Nagapattinam	50733	0	0
27. Mayiladuthurai	69300	0	0
28. Madurai	8767	12504	1676
29. Theni	9115	1976	18140
30. Dindigul	5083	3672	12689
31. Ramanathapuram	0	51348	1657
32. Virudhunagar	0	18936	320
33. Sivagangai	7	50182	9215
34. Tirunelveli	11363	19562	1496
35. Thenkasi	4731	22178	398
36. Thoothukudi	9791	7716	839
37. The Nilgiris	0	0	0
38. Kanyakumari	7866	10258	2975
<b>STATE</b>	<b>667818</b>	<b>372316</b>	<b>528262</b>

## 5.2 SOURCE-WISE NET AREA IRRIGATED BY DISTRICTS 2020-21 (Contd.)

(In Hectares)

District	Source			Total (excl. supp. Wells)
	Open Wells	Supplement -ary wells	Other Sources	
1	5		6	7
1. Chennai	21	0	0	253
2. Kancheepuram	9200	0	0	38557
3. Chengalpattu	24209	0	0	63362
4. Thiruvallur	8272	0	0	87727
5. Cuddalore	6941	0	172	139049
6. Villupuram	79907	0	0	133411
7. Kallakurichi	78907	0	0	96473
8. Vellore	17138	0	0	20136
9. Ranipet	27780	15	0	37694
10. Thirupathur	17814	0	0	23645
11. Thiruvannamalai	150285	0	0	165695
12. Salem	72646	0	0	98367
13. Namakkal	44829	0	2261	61519
14. Dharmapuri	54840	0	0	56555
15. Krishnagiri	32817	0	0	62180
16. Coimbatore	64429	1183	0	114708
17. Tiruppur	77352	0	0	118918
18. Erode	53725	0	0	112725
19. Tiruchirappalli	30610	0	0	73215
20. Karur	19221	0	0	40182
21. Perambalur	22342	0	0	24655
22. Ariyalur	2086	0	0	36285
23. Pudukottai	11732	0	0	112418
24. Thanjavur	1110	26361	0	188825
25. Thiruvarur	0	37011	0	147995
26. Nagapattinam	0	944	883	51616
27. Mayiladuthurai	0	38233	0	69300
28. Madurai	47688	0	0	70635
29. Theni	30244	0	1	59476
30. Dindigul	60983	694	937	83364
31. Ramanathapuram	11975	0	0	64980
32. Virudhunagar	30374	1864	0	49630
33. Sivagangai	15094	0	0	74498
34. Tirunelveli	24563	2	0	56984
35. Thenkasi	35352	2045	0	62659
36. Thoothukudi	18840	0	0	37186
37. The Nilgiris	4568	0	0	4568
38. Kanyakumari	3350	8	0	24449
<b>STATE</b>	<b>1191244</b>	<b>108360</b>	<b>4254</b>	<b>2763894</b>

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

## 5.3 AREA SOWN AND IRRIGATED BY DISTRICTS 2020-21

(In Hectares)

<i>District</i>	<i>GROSS Area Irrigated</i>	<i>GROSS 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. Chennai	350	416	84.13
2. Kancheepuram	56224	57365	98.01
3. Chengalpattu	76828	78114	98.35
4. Thiruvallur	146353	147641	99.13
5. Cuddalore	192168	315482	60.91
6. Villupuram	172144	251385	68.48
7. Kallakurichi	134361	214882	62.53
8. Vellore	27946	61815	45.21
9. Ranipet	51878	64154	80.86
10. Thirupathur	29189	76731	38.04
11. Thiruvannamalai	280778	379610	73.96
12. Salem	157968	308661	51.18
13. Namakkal	90537	223378	40.53
14. Dharmapuri	100549	248421	40.48
15. Krishnagiri	86498	237759	36.38
16. Coimbatore	119139	175422	67.92
17. Tiruppur	120512	185888	64.83
18. Erode	122412	170052	71.99
19. Tiruchirappalli	87525	171764	50.96
20. Karur	42046	77868	54.00
21. Perambalur	30273	109484	27.65
22. Ariyalur	46973	112465	41.77
23. Pudukottai	118788	143653	82.69
24. Thanjavur	291895	302855	96.38
25. Thiruvarur	211315	275779	76.62
26. Nagapattinam	61569	114521	53.76
27. Mayiladuthurai	112061	160690	69.74
28. Madurai	75731	128759	58.82
29. Theni	66291	116370	56.97
30. Dindigul	85104	221960	38.34
31. Ramanathapuram	66650	186882	35.66
32. Virudhunagar	55761	148436	37.57
33. Sivagangai	74832	108470	68.99
34. Tirunelveli	61600	74891	82.25
35. Thenkasi	73862	124851	59.16
36. Thoothukudi	40868	223442	18.29
37. The Nilgiris	7183	75612	9.50
38. Kanyakumari	30133	79803	37.76
<b>STATE TOTAL</b>	<b>3606294</b>	<b>6155731</b>	<b>58.58</b>

## 5.3 AREA SOWN AND IRRIGATED BY DISTRICTS 2020-21 (Contd.)

(In Hectares)			
<i>District</i>	<i>Net Area Irrigated</i>	<i>Net 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. Chennai	253	319	79.31
2. Kancheepuram	38557	39048	98.74
3. Chengalpattu	63362	64420	98.36
4. Thiruvallur	87727	89016	98.55
5. Cuddalore	139049	212736	65.36
6. Villupuram	133411	194264	68.68
7. Kallakurichi	96473	148635	64.91
8. Vellore	20136	48940	41.14
9. Ranipet	37694	49969	75.43
10. Thirupathur	23645	60780	38.90
11. Thiruvannamalai	165695	237071	69.89
12. Salem	98367	205085	47.96
13. Namakkal	61519	155857	39.47
14. Dharmapuri	56555	162974	34.70
15. Krishnagiri	62180	168328	36.94
16. Coimbatore	114708	166703	68.81
17. Tiruppur	118918	182302	65.23
18. Erode	112725	158862	70.96
19. Tiruchirappalli	73215	153646	47.65
20. Karur	40182	74794	53.72
21. Perambalur	24655	102601	24.03
22. Ariyalur	36285	94726	38.31
23. Pudukottai	112418	136926	82.10
24. Thanjavur	188825	195541	96.57
25. Thiruvarur	147995	154770	95.62
26. Nagapattinam	51616	74921	68.89
27. Mayiladuthurai	69300	72517	95.56
28. Madurai	70635	123496	57.20
29. Theni	59476	108732	54.70
30. Dindigul	83364	217694	38.29
31. Ramanathapuram	64980	182951	35.52
32. Virudhunagar	49630	141380	35.10
33. Sivagangai	74498	108068	68.94
34. Tirunelveli	56984	67556	84.35
35. Thenkasi	62659	112813	55.54
36. Thoothukudi	37186	218487	17.02
37. The Nilgiris	4568	72887	6.27
38. Kanyakumari	24449	73481	33.27
<b>STATE</b>	<b>2763894</b>	<b>4833296</b>	<b>57.18</b>

Source: Department of Economics and Statistics, Chennai-6

## 5.4 PRINCIPAL CROP-WISE AREA IRRIGATED 2020-21

<i>Crop</i>	<i>Area (in Hectares)</i>		<i>%</i>
	<i>Area Irrigated</i>	<i>Total Area</i>	
<b>Paddy</b>	<b>1901519</b>	<b>2036239</b>	<b>93.38</b>
<b>Cholam (Jowar)</b>	<b>46227</b>	<b>405425</b>	<b>11.40</b>
<b>Cumbu (Bajra)</b>	<b>8003</b>	<b>67408</b>	<b>11.87</b>
<b>Ragi</b>	<b>22847</b>	<b>82919</b>	<b>27.55</b>
<b>Sugarcane</b>	<b>127682</b>	<b>127696</b>	<b>99.99</b>
<b>Cotton</b>	<b>37754</b>	<b>112052</b>	<b>33.69</b>
<b>Ground nut</b>	<b>150621</b>	<b>409027</b>	<b>36.82</b>
<b>Other Crops</b>			
<b>Misc. Non Food Crops</b>	<b>38722</b>	<b>107520</b>	<b>36.01</b>

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

### 5.5 WATER LEVEL AND RELEASE OF WATER IN CERTAIN RESERVOIRS FOR THE YEAR 2020-21

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	123	4350
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	5046
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	32.54	26.12.2020	19.498	01.08.2020	195.662
2. Bhavanisagar	31.09	18.08.2020	24.11	03.06.2020	54.929
3. Amaravathy	27.40	27.12.2020	7.22	23.05.2020	17.329
4. Periyar	41.77	13.08.2020	34.21	27.06.2020	23.860
5. Vaigai	21.46	18.01.2021	9.09	03.08.2020	16.650
6. Papanasam	43.53	21.01.2021	10.83	01.06.2020	90.808
7. Manimuthar	36.00	18.01.2021	18.95	04.08.2020	8.169
8. Pechiparai	14.12	14.01.2020	8.79	29.07.2020	13.926
9. Perunchani	22.63	16.10.2020	9.30	30.04.2020	7.792
10. Krishnagiri	15.62	12.01.2021	0.00	01.05.2020	6.090
11. Sathanur	34.04	03.02.2021	23.58	06.10.2020	4.500
12. Poondi	10.67	23.12.2020	5.13	15.09.2020	10.340
13. Sholayar	49.89	08.08.2020	0.55	31.03.2021	20.050
14. Parambikulam	21.89	12.10.2020	13.59	31.03.2021	29.000
15. Aliyar	36.54	05.10.2020	15.83	16.04.2020	12.030
16. Thirumoothy	17.76	14.01.2021	6.00	04.08.2020	19.660

Source: The Chief Engineer, W.R.D. PWD, (Operation & Maintenances), Chennai – 5