

4. IRRIGATION

4.1. Sources of Water Supply-Blockwise 2010-11

Sl. No	Name of block	No. of Canals	Length (km.)	Number of					
				Wells used for irrigation purpose only	Tube wells	Wells used for Domestic purpose only	Reservoirs	Tanks	
								Above 40Hec	Less than 40 Hec.
1	Madurai East	7	24	1599	--	22160	--	60	97
2	Madurai West	6	18	1674	--	12553	--	26	84
3	T.P.kundram	8	17	2873	9	8027	--	18	112
4	Melur	6	24	4622	42	3473	--	18	510
5	Kottampatti	4	8	4149	--	900	1	56	842
6	Vadipatti	13	7	3559	104	4255	--	14	72
7	Alanganallur	17	11	3884	88	939	1	5	30
8	Usilampatti	--	--	4319	2	1436	--	3	28
9	Chellampatti	17	30	6331	489	1036	--	13	48
10	T.Kallupatti	--	--	2199	16	1079	--	10	48
11	Sedapatti	--	--	5070	24	866	--	12	26
12	Tirumangalam	2	31	4966	17	1045	--	31	53
13	Kalligudi	--	--	2222	--	1225	--	28	45
	TOTAL	80	170	47467	791	58994	2	294	1995

Source : "G" Return 2010-11 for the Fasli 1420, Asst. Director of Statistics, Madurai

4.2. Area Irrigated by Source 2010-11

(in Hec.)

Sl. No		Source	Number	Gross Area Irrigated	Net Area Irrigated
I		Surface Water :			
1		Canals:			
	i	Government Canals	66	24360	23520
	ii	System Tanks	14	1702	1702
	ii	Private Canals	-	-	
2		Tanks			
	i	Large	294	10714	10471
	ii	Small	1995	15957	15913
3		Flow Irrigation			
	i	Major & Medium	-	-	-
	ii	Minor	-	-	-
4		Lift Irrigation			
	i	Major & Medium	-	-	-
	ii	Minor	-	-	-
5		Pond			
	i	Lift Irrigation	-	-	-
	ii	Flow Irrigation	-	-	-
II		Ground Water :			
	1	Public Tube well	2	-	-
	2	Private Tube Well	787	1088	1087
	3	Dug Well			
		a) With Pump sets	44133	35728	34432
		b) Without Pump sets	16		
		c) Diesel Engine	817		
		TOTAL	48124	89291	86867

Source : "G" Return 2010-11 for the Fasli 1420, Asst. Director of Statistics, Madurai

4.3. Area Irrigated By Crops 2010-11

Sl. No.		Crop	AREA (in Hec)
I.		<u>Cereals</u>	
	1	Paddy	61064
	2	Cholam	614
	3	Cumbu	635
	4	Ragi	9
	5	Korra	--
	6	Varagu	--
	7	Samai	--
	8	Maize	594
	9	Other cereals	325
		Total cereals	63241
II.		<u>Pulses</u>	
	10	Redgram	37
	11	Bengalgram	3
	12	Greengram	522
	13	Blackgram	42
	14	Horsegram	--
	15	Other pulses	83
		Total Pulses	687
III		<u>Oil Seeds</u>	
	16	Groundnut	1197
	17	Gingelly	102
	18	Sunflower	85
		Total Oil Seeds	1384
IV		<u>Commercial Crops</u>	
	19	Cotton	1462
	20	Sugarcane	3571
	21	Banana	2365
	22	Coriander	50
	23	Chillies	544
	24	Onion	1041
	25	Others	12522
		Total Commercial crops	21555
		Grand Total	86867

Source : "G" Return 2010-11 for the Fasli 1420, Asst. Director of Statistics, Madurai

4.3 (a) Talukwise Gross Area Cultivated

Year : 2010-11

Sl. No	Taluks	Irrigated Area (Hec)	UnIrrigated Area (Hec)	Gross area cultivated (Hec) Total
1.	Madurai North	13328.980	724.405	14053.385
2.	Madurai South	6090.224	763.349	6853.573
3.	Melur	19300.140	7985.360	27285.500
4.	Vadipatti	15560.350	4431.980	19992.330
5.	Usilampatti	14116.935	6690.385	20807.320
6.	Thirumangalam	8277.860	10390.290	18668.150
7.	Peraiyur	12616.020	17346.610	29962.630
	District Total	89290.509	48332.379	137622.888

Source : Assistant Director of Statistics, Madurai.

4.4. Details of Reservoirs

Year : 2010-11

Sl. No	Name of the Dam	Water spread area (in Hec.)	Height (Mts.)	Capacity (cu.m.)	Length of Canals in Km
1	Periyar Dam	26.44	41.46	317.38	596.96
2	Vaigai Dam	24.20	21.64	172.60	19.00
3	Peria Aruvi Dam	16.00	12.46	24.00	18.00
4	Sathayar Dam	9.24	8.84	0.63	20.00

* Length in Madurai District only.

Source : Assistant Engineer, P.W.D., Madurai & Melur.