

TABLE 6.5

PRESENT URBAN WATER SERVICE LEVEL UNDER PLANNED SUPPLY CAPACITY

State	Examined Demand						Planned Supply Capacity						Estimated Service Popu. #1000	Estimated SPR %
	Popu. #1000	Service Popu. #1000	SPR %	Supply Amount		#1 lcd	Planned Service Popu. #1000	Planned SPR %	planned Supply Capacity		#2 lcd			
				MLD	lcd				MLD	lcd				
(NW)														
Kebbi	658	329	50.0	25.55	77.7	35.8	525	79.8	42.9	81.7	65.2	552	81.0	
Sokoto	1865	933	50.0	83.81	89.9	11.9	1533	82.2	295.3	192.6	158.3	3286	176.2	
Katsina	1738	869	50.0	77.59	89.6	11.8	1077	62.0	102.0	91.7	58.7	1138	65.5	
Sub Total	4261	2131	50.0	187.25	87.9	43.9	3135	73.6	410.2	410.4	103.3	5009	117.5	
(NE)														
Kano	2615	1308	50.0	157.66	120.6	60.3	1879	71.9	271.3	116.0	101.9	2275	87.0	
Jigawa	814	407	50.0	30.43	74.8	37.4	716	88.0	16.0	61.2	56.5	615	75.6	
Yobe	391	196	50.0	16.55	84.7	42.3	401	102.6	26.4	65.8	67.5	312	79.8	
Borno	1520	760	50.0	75.47	99.3	19.7	2178	143.3	165.2	75.8	108.7	1661	109.1	
Bauchi	1496	748	50.0	59.30	79.3	39.6	955	63.8	86.5	90.6	57.8	1091	72.9	
Sub Total	6836	3418	50.0	339.41	94.3	49.7	6129	89.7	598.4	97.6	87.5	6026	88.2	
(CW)														
Kaduna	2737	1369	50.0	145.51	106.3	53.2	2791	102.1	325.0	116.3	118.7	3057	111.7	
Niger	1191	596	50.0	52.26	57.8	43.9	965	81.0	149.8	121.1	100.6	1365	114.6	
Kwara	1033	517	50.0	66.02	127.8	63.9	1492	141.4	147.9	99.1	143.2	1157	112.0	
Kogi	767	384	50.0	31.78	82.9	41.4	215	28.0	26.8	124.7	31.9	323	42.2	
F. C. T.	213	107	50.0	18.03	169.3	84.6	177	83.1	120.2	679.1	564.3	710	333.3	
Sub Total	5911	2971	50.0	313.60	105.6	52.8	5643	95.0	739.7	131.1	124.5	7007	117.9	
(CE)														
Adamawa	991	497	50.0	42.39	85.3	42.6	658	66.2	112.8	171.4	113.5	1323	133.1	
Taraba	487	244	50.0	18.91	77.7	35.8	163	33.5	13.9	85.3	28.5	179	36.8	
Plateau	1669	835	50.0	84.81	101.6	50.8	791	47.4	120.7	152.6	72.3	1188	71.2	
Benue	883	442	50.0	38.65	57.5	43.8	481	54.5	38.6	60.2	43.7	441	49.9	
Sub Total	4033	2017	50.0	184.76	91.6	45.8	2093	51.9	286.0	136.6	70.9	3121	77.4	
(SW)														
Delta	1610	805	50.0	66.38	82.5	41.2	541	33.6	59.2	109.4	36.8	718	44.6	
Edo	1381	691	50.0	60.33	87.4	43.7	1477	107.0	168.6	114.2	122.1	1930	139.7	
Ondo	2457	1229	50.0	113.01	92.0	46.0	870	35.4	61.7	93.9	33.3	885	36.1	
Osun	1624	812	50.0	64.43	101.0	52.0	1030	63.4	87.9	65.3	51.1	815	52.1	
Oyo	2267	1134	50.0	106.88	117.2	73.6	2469	108.9	187.4	75.9	82.7	1273	56.4	
Ogun	1645	823	50.0	92.56	112.5	56.3	1798	109.3	205.1	114.1	124.7	1823	110.8	
Lagos	5568	2784	50.0	521.35	188.3	91.2	7355	132.1	733.1	99.7	131.7	3892	69.9	
Sub Total	16532	8276	50.0	1107.91	133.9	66.9	15540	93.9	1523.0	98.0	92.0	11376	65.7	
(SE)														
Enugu	1989	995	50.0	93.44	91.0	47.0	1763	89.6	177.9	99.8	89.4	1893	95.2	
Anambra	1836	918	50.0	83.90	91.4	45.7	691	37.6	55.7	80.6	30.3	609	33.2	
Imo	1710	855	50.0	65.35	76.4	38.2	1198	70.1	139.6	116.5	81.6	1826	106.8	
Cross River	872	436	50.0	40.68	93.3	46.7	487	55.8	38.2	78.4	43.8	409	47.0	
Abia	1318	659	50.0	64.45	97.8	48.9	786	59.6	85.9	109.3	65.2	878	66.6	
Akwalbon	1246	623	50.0	49.60	79.6	39.8	622	49.9	74.6	119.9	59.9	937	75.2	
Rivers	2461	1231	50.0	108.95	88.5	44.3	797	32.4	39.9	50.1	16.2	151	18.3	
Sub Total	11432	5716	50.0	506.37	88.6	44.3	6361	55.7	611.8	96.1	53.5	6006	60.4	
Nationwide	49055	24528	50.0	2639.33	107.6	53.8	38901	79.3	4199.1	107.9	85.6	39145	80.4	

SPR : Service Population Rate
#1, #2 : Per Total Population

TABLE 6.6 PRESENT RURAL WATER SERVICE LEVEL UNDER ACTUAL SUPPLY CAPACITY

State	Examined Demand					Actual Supply Capacity					Estimated Service Popu. #1000	Estimated SPR %	
	Popu.	Service Popu.	SPR	Supply Amount		Planned Service Popu.	Planned SPR	Actual Supply Capacity		#2			
	#1000	#1000	%	M.D	Icd	Icd	%	M.D	Icd	Icd			
(NW)													
Kebbi	1491	791	50.0	24.03	40.0	20.0	200	14.9	6.0	30.0	4.9	150	10.7
Sokoto	2524	1264	50.0	50.55	40.0	20.0	410	17.4	12.4	28.2	6.9	310	12.3
Katsina	2141	1071	50.0	42.82	40.0	20.0	208	9.7	6.0	28.8	2.8	150	7.0
Sub Total	6070	3035	50.0	121.40	40.0	20.0	818	14.0	24.4	28.8	4.0	610	10.0
(NE)													
Kano	9023	4512	50.0	60.47	40.0	20.0	115	5.8	4.9	28.0	3.6	122	4.4
Jigawa	2018	1009	50.0	40.35	40.0	20.0	125	6.2	4.9	39.2	2.4	123	6.1
Yobe	1820	910	50.0	20.40	40.0	20.0	128	12.5	9.8	29.7	3.7	95	9.3
Borno	1075	537	50.0	21.50	40.0	20.0	318	32.4	8.7	15.0	8.1	217	20.2
Bauchi	2755	1377	50.0	55.91	40.0	20.0	445	15.9	11.7	26.9	4.2	292	10.5
Sub Total	9931	4965	50.0	195.63	40.0	20.0	1221	12.9	34.0	27.8	3.4	850	8.6
(CV)													
Yandina	1231	616	50.0	24.62	40.0	20.0	150	12.2	6.2	28.0	3.4	105	8.5
Niger	1290	645	50.0	25.80	40.0	20.0	365	23.6	8.4	27.5	6.5	210	16.3
Kwara	535	267	50.0	10.69	40.0	20.0	85	15.9	2.3	27.1	4.3	58	10.8
Iogi	1353	676	50.0	26.67	40.0	20.0	119	8.5	2.6	23.6	2.0	65	4.9
F.C.T	166	83	50.0	3.32	40.0	20.0	0	0.0	0.0	0.0	0.0	0	0.0
Sub Total	4555	2277	50.0	91.10	40.0	20.0	650	14.3	17.5	26.9	3.8	437	9.6
(CE)													
Adamawa	1129	565	50.0	22.57	40.0	20.0	133	11.8	3.9	29.3	3.5	93	8.4
Taraba	993	496	50.0	19.85	40.0	20.0	190	19.1	4.6	24.2	4.6	115	11.6
Plateau	1616	808	50.0	32.31	40.0	20.0	273	16.9	8.1	29.7	5.0	203	12.5
Benue	1896	948	50.0	37.92	40.0	20.0	123	6.5	4.4	35.8	2.3	110	5.8
Sub Total	5834	2817	50.0	112.65	40.0	20.0	719	12.6	21.0	29.2	3.7	525	9.3
(SW)													
Delta	959	479	50.0	19.18	40.0	20.0	64	7.1	1.7	25.0	1.8	42	4.4
Edo	718	359	50.0	15.55	40.0	20.0	135	17.4	2.2	18.9	2.8	55	7.1
Ondo	1427	714	50.0	28.54	40.0	20.0	162	11.4	3.8	23.5	2.7	95	6.7
Osun	513	259	50.0	11.58	40.0	20.0	205	35.4	5.1	24.9	8.8	128	22.0
Oyo	1222	611	50.0	24.44	40.0	20.0	145	11.9	3.8	26.2	3.1	95	7.8
Ogun	694	347	50.0	13.88	40.0	20.0	218	35.7	5.2	21.0	7.5	130	18.7
Lagos	119	59	50.0	2.39	40.0	20.0	78	65.5	2.2	28.2	10.5	55	46.0
Sub Total	5776	2889	50.0	115.56	40.0	20.0	1041	18.0	24.0	23.1	4.2	600	10.4
(SE)													
Enugu	1173	587	50.0	23.45	40.0	20.0	35	3.0	1.1	31.4	0.9	28	2.3
Anambra	932	466	50.0	18.64	40.0	20.0	45	4.8	1.4	31.1	1.5	35	3.8
Imo	778	389	50.0	15.56	40.0	20.0	103	13.2	3.2	31.1	4.1	60	10.9
Cross River	994	497	50.0	19.88	40.0	20.0	73	7.3	2.1	28.8	2.1	59	5.3
Abia	980	490	50.0	19.61	40.0	20.0	143	14.6	4.1	28.7	6.2	102	10.5
Akwalbon	1114	557	50.0	22.29	40.0	20.0	83	7.5	2.4	28.9	2.2	60	5.4
Rivers	1523	762	50.0	30.47	40.0	20.0	108	7.1	2.9	26.9	1.9	72	4.8
Sub Total	7494	3747	50.0	149.90	40.0	20.0	590	7.9	17.2	29.2	2.3	430	5.1
Nationwide	39162	19581	50.0	789.21	40.0	20.0	5069	12.8	138.1	27.2	9.5	3453	8.7

SPR : Service Population Rate

*1, *2 : Per Total Population

TABLE 6.7 PRESENT RURAL WATER SERVICE LEVEL UNDER PLANNED SUPPLY CAPACITY

State	Examined Demand						Planned Supply Capacity					Estimated Service Popu.	Estimated SPR
	Popu.	Service Popu.	SPR	Supply Amount			Planned Service Popu.	Planned SFR	Planned Supply Capacity		#2		
	#1000	#1000	%	M/D	lcd	lcd	#1000	%	M/D	lcd	lcd		
(NW)													
Yebbi	1401	701	50.0	28.03	40.0	20.0	200	14.3	8.0	40.0	5.7	200	14.3
Sokoto	2528	1264	50.0	50.55	40.0	20.0	449	17.4	17.6	40.0	7.0	449	17.4
Katsina	2141	1071	50.0	42.82	40.0	20.0	208	9.7	8.3	39.8	3.9	208	9.7
Sub Total	6070	3035	50.0	121.40	40.0	20.0	848	14.0	33.9	40.0	5.6	848	14.0
(NE)													
Iano	3023	1512	50.0	60.47	40.0	20.0	375	5.8	7.0	40.0	2.3	175	5.8
Jigawa	2018	1009	50.0	40.35	40.0	20.0	125	6.2	5.0	40.0	2.5	125	6.2
Yobe	1029	510	50.0	20.40	40.0	20.0	128	12.5	5.1	39.8	5.0	128	12.5
Borno	1075	537	50.0	21.50	40.0	20.0	348	32.4	13.9	39.9	12.9	348	32.3
Bauchi	2195	1097	50.0	55.91	40.0	20.0	445	15.9	12.8	40.0	6.4	445	15.9
Sub Total	9931	4965	50.0	158.63	40.0	20.0	1221	12.3	48.8	40.0	4.9	1220	12.3
(CW)													
Kaduna	1231	616	50.0	21.62	40.0	20.0	150	12.2	6.0	40.0	4.9	150	12.2
Niger	1290	645	50.0	25.80	40.0	20.0	305	23.6	12.2	40.0	9.5	305	23.6
Kwara	595	297	50.0	10.69	40.0	20.0	85	15.9	3.4	40.0	6.4	85	15.9
Kogi	1333	666	50.0	26.67	40.0	20.0	110	8.3	3.5	31.8	2.8	87	6.6
F. C. T	166	83	50.0	3.32	40.0	20.0	0	0.0	0.0	0.0	0.0	0	0.0
Sub Total	4555	2277	50.0	91.10	40.0	20.0	650	14.3	25.1	38.6	5.5	627	13.8
(CE)													
Adamawa	1129	565	50.0	22.57	40.0	20.0	131	11.8	5.3	39.8	4.7	131	11.7
Taraba	993	496	50.0	19.85	40.0	20.0	190	19.1	7.6	40.0	7.7	190	19.1
Plateau	1616	808	50.0	32.31	40.0	20.0	273	16.9	10.9	39.9	6.7	273	16.9
Benue	1856	928	50.0	37.92	40.0	20.0	123	6.5	4.9	39.8	2.6	123	6.5
Sub Total	5634	2817	50.0	112.65	40.0	20.0	719	12.8	28.7	39.9	5.1	718	12.7
(SW)													
Della	959	479	50.0	19.18	40.0	20.0	68	7.1	2.7	39.7	2.8	68	7.0
Edo	778	389	50.0	15.55	40.0	20.0	135	17.4	2.8	20.7	3.6	70	9.0
Ondo	1427	714	50.0	28.54	40.0	20.0	182	13.4	5.2	32.1	3.6	130	9.1
Osun	579	289	50.0	11.56	40.0	20.0	205	35.4	6.8	33.2	11.7	170	29.4
Oyo	1222	611	50.0	24.44	40.0	20.0	144	11.9	5.2	35.9	4.3	130	10.6
Ogun	691	347	50.0	13.88	40.0	20.0	248	35.7	7.9	31.9	11.6	198	28.5
Lagos	119	59	50.0	2.39	40.2	20.1	78	65.5	3.1	39.7	26.1	77	64.9
Sub Total	5778	2889	50.0	115.56	40.0	20.0	1041	18.0	33.7	32.4	5.8	843	14.6
(SE)													
Enugu	1173	587	50.0	21.45	40.0	20.0	35	3.0	1.4	40.0	1.2	35	3.0
Anambra	932	466	50.0	18.61	40.0	20.0	45	4.8	1.8	40.0	1.9	45	4.8
Imo	778	389	50.0	15.56	40.0	20.0	103	13.2	4.1	39.4	5.3	102	13.2
Cross River	954	477	50.0	19.88	40.0	20.0	73	7.3	2.9	39.7	2.9	72	7.3
Abia	980	490	50.0	19.61	40.0	20.0	143	14.6	5.7	39.9	5.8	142	14.5
Akwai	1114	557	50.0	22.29	40.0	20.0	83	7.5	3.3	39.8	3.0	82	7.4
Rivers	1523	762	50.0	30.67	40.0	20.0	108	7.1	4.3	39.8	2.8	107	7.1
Sub Total	7494	3747	50.0	149.90	40.0	20.0	590	7.9	23.5	39.8	3.1	587	7.8
Nationwide	39462	19731	50.0	789.24	40.0	20.0	5069	12.8	193.7	38.2	4.9	4849	12.3

SPR : Service Population Rate

*1, *2 : Per Total Population

TABLE 6.8

PRESENT DAILY RAW WATER USE FOR URBAN AND RURAL BY WATERWORKS

	Planned Capacity									Actual Capacity								
	Urban			Rural			Total			Urban			Rural			Total		
	SW	GW	Total	SW	GW	Total	SW	GW	Total	SW	GW	Total	SW	GW	Total	SW	GW	Total
	MCD	MCD	MCD	MCD	MCD	MCD	MCD	MCD	MCD	MCD	MCD	MCD	MCD	MCD	MCD	MCD	MCD	MCD
(NW)																		
Kebbi	36.7	12.3	49.0	0.0	0.0	0.0	36.7	20.3	57.0	20.2	7.9	28.1	0.0	6.0	6.0	20.2	13.9	34.1
Sokoto	269.8	31.4	301.2	0.0	17.1	17.1	269.8	49.0	318.8	144.6	16.8	161.4	0.0	12.4	12.4	144.6	31.2	175.8
Zaria	83.8	10.2	94.0	0.0	0.3	0.3	83.8	26.5	110.3	48.2	10.6	58.8	0.0	6.0	6.0	48.2	16.6	64.8
Sub Total	370.3	61.9	432.2	0.0	33.9	33.9	370.3	95.8	466.1	213.0	37.3	250.3	0.0	24.4	24.4	213.0	61.7	274.7
(NE)																		
Kano	225.3	49.0	274.3	0.0	7.0	7.0	225.3	56.0	281.3	142.3	28.0	170.3	0.0	4.9	4.9	142.3	33.7	176.0
Ngazun	1.9	46.1	48.0	0.0	5.0	5.0	1.9	49.1	51.0	1.3	25.5	26.8	0.0	4.9	4.9	1.3	30.4	31.7
Foto	0.0	26.4	26.4	0.0	5.1	5.1	0.0	31.5	31.5	0.0	16.0	16.0	0.0	3.8	3.8	0.0	19.8	19.8
Yoruba	67.0	36.2	103.2	0.0	13.9	13.9	67.0	112.1	179.1	23.0	58.4	81.4	0.0	8.7	8.7	23.0	67.1	90.1
Marikari	45.5	11.0	56.5	0.0	17.8	17.8	45.5	58.8	104.3	28.7	20.2	48.9	0.0	11.7	11.7	28.7	31.9	60.6
Sub Total	339.7	258.7	598.4	0.0	48.8	48.8	339.7	307.5	647.2	185.3	140.9	344.2	0.0	31.0	31.0	185.3	187.9	373.2
(CW)																		
Calabar	303.5	21.5	325.0	0.0	6.0	6.0	303.5	27.5	331.0	231.3	12.5	243.8	0.0	4.2	4.2	231.3	16.7	248.0
Yoruba	51.2	28.4	79.6	0.0	12.2	12.2	51.2	40.8	92.0	60.8	12.1	72.9	0.0	8.4	8.4	60.8	25.5	86.3
Warri	124.5	23.4	147.9	0.0	3.4	3.4	124.5	26.0	150.5	83.4	12.8	96.2	0.0	2.3	2.3	83.4	15.1	98.5
Port Harcourt	21.9	4.9	26.8	0.0	2.6	2.6	21.9	7.5	29.4	15.0	3.2	18.2	0.0	2.0	2.0	15.0	5.2	20.2
C.C.T	120.0	0.2	120.2	0.0	0.0	0.0	120.0	0.2	120.2	80.0	0.1	80.1	0.0	0.0	0.0	80.0	0.1	80.1
Sub Total	621.1	78.6	699.7	0.0	24.2	24.2	621.1	102.0	723.1	470.5	45.7	516.2	0.0	16.9	16.9	470.5	62.6	533.1
(CE)																		
Idahosa	91.2	21.6	112.8	0.0	5.3	5.3	91.2	26.9	118.1	49.7	12.4	62.1	0.0	3.9	3.9	49.7	16.3	66.0
Yoruba	8.7	5.2	13.9	0.0	7.6	7.6	8.7	12.8	21.5	5.3	2.9	8.2	0.0	4.6	4.6	5.3	7.5	12.8
Plateau	116.9	5.9	122.8	0.0	10.9	10.9	116.9	16.8	133.7	62.9	3.9	66.8	0.0	8.1	8.1	62.9	12.0	74.9
Benue	36.8	1.8	38.6	0.0	4.9	4.9	36.8	6.1	42.9	30.1	0.8	30.9	0.0	4.4	4.4	30.1	5.2	35.3
Sub Total	253.6	34.5	288.1	0.0	28.7	28.7	253.6	62.2	315.8	141.4	20.0	161.4	0.0	21.0	21.0	141.4	41.0	182.4
(SW)																		
Abia	6.1	53.1	59.2	0.0	2.7	2.7	6.1	55.8	61.9	4.1	36.0	40.1	0.0	1.7	1.7	4.1	37.2	41.3
Ido	72.2	55.4	127.6	2.6	0.2	2.8	72.8	55.6	128.4	49.3	57.6	106.9	2.1	0.1	2.2	51.4	57.7	109.1
Ono	59.1	22.6	81.7	1.3	3.9	5.2	60.4	26.5	86.9	34.7	14.2	48.9	1.0	2.8	3.8	35.7	17.0	52.7
Osun	80.2	7.8	88.0	1.4	5.4	6.8	81.6	13.2	94.8	52.3	5.1	57.4	1.1	4.1	5.2	53.4	9.2	62.6
Oyo	172.0	15.4	187.4	0.6	4.6	5.2	172.6	20.0	192.6	92.5	9.5	102.0	0.5	2.3	2.8	93.0	12.6	105.6
Egun	56.2	108.8	165.0	2.0	5.9	7.9	56.2	114.7	170.9	67.5	64.2	131.7	1.5	3.7	5.2	69.0	67.9	136.9
Agos	545.1	188.1	733.2	0.0	3.1	3.1	545.1	191.2	736.3	441.9	59.0	500.9	0.0	2.2	2.2	441.9	61.2	503.1
Sub Total	1031.9	431.2	1463.1	7.9	25.8	33.7	1039.8	517.0	1556.8	742.7	245.4	988.1	6.2	17.9	24.1	740.9	263.9	1004.8
(SE)																		
Enugu	172.9	54.5	227.4	0.0	1.4	1.4	172.9	55.9	228.8	91.2	29.0	120.2	0.0	1.1	1.1	91.3	30.1	121.4
Imo	21.6	34.1	55.7	0.0	1.8	1.8	21.6	35.9	57.5	13.5	16.2	29.7	0.0	1.4	1.4	11.5	17.1	28.6
Delta	36.7	103.0	139.7	0.0	4.1	4.1	36.7	107.1	143.8	27.9	60.7	88.6	0.0	3.2	3.2	27.9	63.9	91.8
Cross River	19.3	18.9	38.2	0.0	2.9	2.9	19.3	21.8	41.1	10.1	7.8	17.9	0.0	2.1	2.1	10.1	9.9	20.0
Abia	57.6	28.4	86.0	0.4	5.3	5.7	58.0	33.7	91.7	45.5	18.9	64.4	0.3	3.8	4.1	45.8	22.1	67.9
Alkwalbon	0.0	74.6	74.6	0.2	3.3	3.5	0.2	77.9	78.1	3.8	33.8	36.4	0.1	2.4	2.5	2.7	36.2	38.9
Rivers	0.0	39.9	39.9	0.0	4.3	4.3	0.0	44.2	44.2	0.0	24.6	24.6	0.0	1.9	1.9	0.0	23.5	23.5
Sub Total	258.5	353.4	611.9	0.6	21.1	21.7	259.1	376.5	635.6	188.3	193.0	381.3	0.4	16.9	17.3	188.7	209.9	398.6
Nationwide	2921.1	2278.3	5199.4	9.4	184.5	193.9	2930.5	1467.8	4398.4	1951.2	850.1	2801.3	7.2	131.1	138.3	1958.4	821.4	2779.8

TABLE 6.9 PRESENT ANNUAL RAW WATER USE FOR URBAN AND RURAL BY WATERWORKS

	Planned Capacity									Actual Capacity								
	Urban			Rural			Total			Urban			Rural			Total		
	SW	GW	Total	SW	GW	Total	SW	GW	Total	SW	GW	Total	SW	GW	Total	SW	GW	Total
	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM
(NW)																		
Abbi	9.7	2.9	13.6	0.0	2.5	2.5	9.2	6.4	16.2	6.4	2.9	8.9	0.0	1.9	1.9	6.4	4.4	10.8
Bokoto	89.7	10.0	99.7	0.0	5.6	5.6	83.7	19.6	99.3	45.9	6.0	51.9	0.0	3.9	3.9	45.9	5.9	55.8
Yatsina	15.6	5.8	32.4	0.0	2.6	2.6	26.6	8.4	35.0	15.9	9.4	18.7	0.0	1.9	1.9	15.3	5.3	20.6
Sub Total	120.1	18.6	139.7	0.0	10.8	10.8	120.1	30.4	150.5	67.4	11.8	79.4	0.0	7.7	7.7	67.6	19.6	87.2
(NE)																		
Kano	71.5	15.4	87.1	0.0	2.2	2.2	71.5	19.8	89.3	45.2	9.1	54.3	0.0	1.6	1.6	45.2	19.7	55.9
Zigawa	0.6	14.0	14.6	0.0	1.6	1.6	0.6	15.6	16.2	0.4	8.1	8.5	0.0	1.6	1.6	0.4	9.6	10.1
Kobe	0.0	8.4	8.4	0.0	1.6	1.6	0.0	10.0	10.0	0.0	5.1	5.1	0.0	1.2	1.2	0.0	6.3	6.3
Torno	21.3	31.7	52.4	0.0	4.4	4.4	21.3	35.6	56.6	7.3	10.5	25.8	0.0	2.8	2.8	7.3	21.3	28.6
Gaschi	14.4	13.0	27.5	0.0	5.6	5.6	14.4	14.1	33.1	9.1	8.4	15.5	0.0	3.7	3.7	9.1	10.1	19.2
Sub Total	107.8	62.1	169.9	0.0	15.5	15.5	107.8	92.6	205.4	62.0	47.3	109.2	0.0	10.8	10.8	62.0	58.1	120.0
(CO)																		
Maduna	96.7	6.8	103.2	0.0	1.9	1.9	95.3	8.7	103.1	79.4	4.0	77.4	0.0	1.3	1.3	79.4	5.3	78.7
Tiger	28.9	9.1	38.0	0.0	3.9	3.9	28.9	12.9	41.9	19.9	5.4	24.7	0.0	2.7	2.7	19.9	8.1	27.4
Yara	39.5	7.4	46.9	0.0	1.1	1.1	39.5	8.5	48.0	26.5	8.1	30.5	0.0	0.7	0.7	26.5	4.8	31.3
Post	7.0	1.6	8.5	0.3	0.8	1.1	7.2	2.4	9.6	4.8	1.0	5.8	0.2	0.6	0.8	5.0	1.1	6.6
F.C.T	38.1	0.1	38.2	0.0	0.0	0.0	38.1	0.1	38.2	25.4	0.0	25.4	0.0	0.0	0.0	25.4	0.0	25.4
Sub Total	209.8	24.9	234.8	0.3	7.7	8.0	210.1	32.6	242.7	149.3	14.5	163.9	0.2	5.4	5.6	149.5	19.9	169.4
(CE)																		
Madaya	26.9	6.9	35.8	0.0	1.7	1.7	26.9	8.5	37.5	13.9	3.9	17.8	0.0	1.2	1.2	13.9	5.2	19.0
Yaraba	2.8	1.7	4.4	0.0	2.4	2.4	2.8	4.1	6.8	1.7	0.9	2.6	0.0	1.5	1.5	1.7	2.4	4.1
Plateau	36.5	1.9	38.3	0.0	3.5	3.5	36.5	5.3	41.8	19.8	1.2	21.0	0.0	2.6	2.6	19.8	2.8	23.6
Donce	11.7	0.6	12.5	0.0	1.6	1.6	11.7	2.1	13.8	9.6	0.3	9.8	0.0	1.4	1.4	9.6	1.7	11.2
Sub Total	78.9	11.0	93.8	0.0	9.1	9.1	78.9	20.1	99.9	46.9	6.3	51.2	0.0	6.7	6.7	46.9	13.0	57.9
(SE)																		
Bella	1.9	16.8	18.8	0.0	0.9	0.9	1.9	17.7	19.6	1.3	11.4	12.7	0.0	0.5	0.5	1.3	12.0	13.3
Ido	23.2	30.3	53.5	0.0	0.1	0.1	24.1	30.3	54.4	15.6	18.3	33.9	0.7	0.0	0.7	18.3	18.3	34.6
Ondo	18.8	7.2	25.9	0.4	1.2	1.7	18.2	8.4	27.6	11.0	4.5	15.5	0.3	0.9	1.2	11.3	5.4	16.7
Osun	25.5	2.5	27.9	0.4	1.7	2.2	25.9	4.2	30.1	16.6	1.6	18.2	0.3	1.3	1.7	16.9	2.9	19.9
Oyo	54.6	4.9	59.5	0.2	1.5	1.7	54.8	6.3	61.1	29.4	3.0	32.3	0.2	1.0	1.2	29.5	6.0	33.5
Ogun	30.5	34.5	65.1	0.6	1.9	2.5	31.2	36.4	67.6	21.6	29.4	41.9	0.5	1.2	1.7	22.0	21.6	43.6
Lagos	173.0	59.7	232.3	0.0	1.0	1.0	173.0	60.7	233.7	140.3	18.7	159.0	0.0	0.7	0.7	140.3	19.4	159.7
Sub Total	327.5	155.9	483.4	2.5	8.2	10.7	330.0	164.1	494.1	235.7	77.9	313.6	2.0	5.1	7.4	237.7	63.6	301.3
(SE)																		
Inuga	39.1	13.3	56.4	0.0	0.8	0.8	39.1	17.7	56.9	23.0	9.2	38.2	0.0	0.3	0.4	23.0	9.6	38.5
Imbabra	6.9	10.8	17.7	0.0	0.6	0.6	6.9	11.4	18.3	3.1	5.1	8.2	0.0	0.4	0.4	3.1	5.6	9.2
Iba	13.6	32.3	44.3	0.0	1.3	1.3	11.6	34.6	55.6	8.2	19.3	27.8	0.0	1.0	1.0	8.2	20.3	28.9
Cross Ri	6.1	6.0	12.1	0.0	0.8	0.8	6.1	6.9	13.0	3.2	2.5	5.7	0.0	0.7	0.7	3.2	3.1	6.3
Abia	18.3	9.0	27.3	0.1	1.7	1.8	18.4	10.7	29.1	14.4	6.0	20.4	0.1	1.2	1.3	14.5	7.2	21.7
Ikwalbon	0.0	23.1	23.1	0.1	1.0	1.1	0.1	24.7	24.8	0.8	10.7	11.4	0.0	0.8	0.8	0.9	11.5	12.4
Rivers	0.6	12.1	12.7	0.0	1.4	1.4	0.0	14.0	14.0	0.0	6.4	6.4	0.0	0.9	0.9	0.0	9.4	9.4
Sub Total	82.0	112.2	194.2	0.2	7.3	7.5	82.3	119.5	201.8	59.0	61.3	121.0	0.1	5.4	5.5	59.9	66.6	126.5
National	927.2	403.3	1332.9	3.0	58.6	61.6	930.2	464.3	1394.5	619.3	219.1	838.4	2.3	41.6	43.9	621.6	250.7	872.3

TABLE 6.10(1) PRESENT ANNUAL RAW WATER USE UNDER ACTUAL SUPPLY CAPACITY FOR URBAN AND RURAL ON HA BASIS

(Unit: 10⁶ cu-m)

	Actual Capacity										Actual Capacity								
	Urban			Rural			Total				Urban			Rural			Total		
	SW	GW	T	SW	GW	T	SW	GW	T		SW	GW	T	SW	GW	T	SW	GW	T
I	3.5	0.2	3.7	0.0	0.1	0.1	3.5	0.3	3.8	IA-VI									
1	0.5	0.9	1.4	0.0	0.4	0.4	0.5	1.3	1.8	601	12.1	7.1	19.2	0.3	1.2	1.5	12.4	8.3	20.7
2	1.0	0.5	1.5	0.0	0.6	0.6	1.0	1.1	2.1	602	95.9	13.7	109.6	0.0	0.3	0.3	95.3	14.0	109.3
3	1.1	0.9	2.0	0.0	0.8	0.8	1.1	1.7	2.8	603	35.1	12.5	47.6	0.0	0.8	0.8	35.1	13.3	48.4
4	35.7	1.9	37.6	0.0	0.7	0.7	35.7	2.6	38.3	604	16.9	1.9	18.8	0.1	1.4	1.5	17.0	3.3	20.3
5	0.7	1.5	2.2	0.0	1.4	1.4	0.7	2.9	3.6	605	1.1	1.9	3.0	0.1	0.3	0.4	1.2	2.2	3.4
6	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	606	2.9	2.0	4.9	0.1	0.2	0.3	3.0	2.2	5.2
7	11.8	1.0	12.8	0.0	1.1	1.1	11.8	2.9	14.7	607	8.9	5.3	13.6	0.3	0.4	0.7	8.6	5.7	14.3
8	0.0	0.3	0.3	0.0	0.5	0.5	0.0	0.8	0.8	608	47.2	8.0	55.2	0.0	0.4	0.4	47.2	8.4	55.6
9	1.2	0.4	1.6	0.0	0.5	0.5	1.2	0.9	2.1	609	10.8	15.8	26.6	0.0	0.2	0.2	10.8	16.0	26.8
10	1.5	0.6	2.1	0.0	0.5	0.5	1.5	1.1	2.6	610	229.7	68.2	297.9	0.9	5.2	6.1	230.6	73.4	304.0
11	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	IA-VII									
12	1.2	0.5	1.7	0.0	0.4	0.4	1.2	0.9	2.1	701	0.4	0.2	0.6	0.0	0.2	0.2	0.4	0.4	0.8
13	1.2	0.4	1.6	0.0	0.2	0.2	1.2	0.6	1.8	702	0.4	0.0	0.4	0.0	0.5	0.5	0.4	0.5	0.9
14	59.4	10.3	69.7	0.0	7.2	7.2	59.4	17.5	76.9	703	0.5	3.7	4.2	0.0	0.7	0.7	0.5	4.4	4.9
15	0.4	0.8	1.2	0.0	0.1	0.1	0.4	0.9	1.3	704	29.2	3.3	32.5	0.0	0.2	0.2	29.2	3.5	32.7
16	0.4	0.1	0.5	0.0	0.1	0.1	0.5	0.2	0.7	705	22.1	30.9	53.0	0.0	2.4	2.4	22.1	33.3	55.4
17	0.4	0.0	0.4	0.0	0.0	0.0	0.4	0.0	0.4	706	1.6	1.6	3.2	0.1	0.4	0.5	1.7	2.0	3.7
18	16.3	1.7	18.0	0.0	0.3	0.3	16.3	2.0	18.3	707	1.4	2.5	3.9	0.0	0.1	0.1	1.4	2.6	4.0
19	12.3	2.3	14.6	0.1	0.5	0.6	12.4	2.8	15.2	IA-VIII									
20	0.0	0.4	0.4	0.0	0.2	0.2	0.0	0.6	0.6	801	10.3	2.7	13.0	0.0	1.4	1.4	10.3	4.1	14.4
21	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	802	2.9	4.0	6.9	0.0	0.9	0.9	2.9	4.9	7.8
22	1.9	0.2	2.1	0.1	0.2	0.3	2.0	0.4	2.4	803	40.2	4.0	44.2	0.0	0.6	0.6	40.2	4.6	44.8
23	2.3	0.9	3.2	0.0	0.4	0.4	2.3	1.3	3.6	804	0.8	1.6	2.4	0.0	0.2	0.2	0.8	1.0	1.8
24	0.2	0.3	0.5	0.0	0.1	0.1	0.2	0.4	0.6	805	11.8	1.1	12.9	0.0	1.2	1.2	11.8	2.3	14.1
25	11.4	1.9	13.3	0.0	0.3	0.3	11.4	2.2	13.6	806	0.4	0.6	1.0	0.0	0.2	0.2	0.4	0.8	1.2
26	54.2	0.2	54.4	0.0	0.1	0.1	54.2	0.3	54.5	807	2.9	6.7	9.6	0.0	1.4	1.4	2.9	8.1	11.0
27	0.0	0.4	0.4	0.0	0.1	0.1	0.0	0.5	0.5	808	0.0	1.0	1.0	0.0	0.2	0.2	0.0	1.2	1.2
28	11.4	1.8	13.2	0.0	0.6	0.6	11.4	2.4	13.8	809	0.0	1.6	1.6	0.0	0.4	0.4	0.0	2.0	2.0
29	0.8	0.3	1.1	0.0	0.3	0.3	0.8	0.6	1.4	810	0.0	4.6	4.6	0.0	1.5	1.5	0.0	6.1	6.1
30	28.3	0.9	29.2	0.0	0.6	0.6	28.3	1.5	29.8	811	0.0	1.8	1.8	0.0	0.1	0.1	0.0	1.9	1.9
31	145.3	12.5	157.8	0.3	3.9	4.2	145.6	16.4	162.0	812	0.0	4.6	4.6	0.0	0.8	0.8	0.0	5.4	5.4
32	0.3	0.5	0.8	0.0	0.2	0.2	0.3	0.7	1.0	813	2.3	6.6	13.9	0.0	0.7	0.7	2.3	7.3	14.6
33	7.9	1.7	9.6	0.0	0.2	0.2	7.9	1.9	9.2	814	1.9	2.7	4.6	0.0	0.8	0.8	1.9	3.5	5.4
34	0.7	0.8	1.5	0.0	0.4	0.4	0.7	1.2	1.9	815	0.0	3.0	3.0	0.0	0.5	0.5	0.0	4.3	4.3
35	8.1	1.9	10.0	0.0	1.4	1.4	8.1	2.3	12.4	70.5	47.4	125.9	0.0	10.9	10.9	70.5	58.3	128.8	
36	0.0	1.2	1.2	0.0	0.3	0.3	0.0	1.5	1.5	619.2	220.0	838.2	1.8	42.0	43.8	621.0	262.0	883.0	
37	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2										
38	3.1	0.5	3.6	0.0	0.1	0.1	3.1	0.6	3.7										
39	0.0	0.8	0.8	0.0	0.5	0.5	0.0	1.3	1.3										
40	0.0	0.4	0.4	0.0	0.4	0.4	0.0	0.8	0.8										
41	0.9	0.2	1.1	0.0	0.4	0.4	0.9	0.6	1.5										
42	0.9	0.2	1.1	0.0	0.1	0.1	0.9	0.3	1.2										
43	0.0	0.4	0.4	0.0	0.8	0.8	0.0	1.2	1.2										
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0										
45	0.9	0.0	0.9	0.0	0.1	0.1	0.9	0.1	1.0										
46	23.2	8.8	32.0	0.0	4.9	4.9	23.2	13.7	36.9										
47	2.3	0.1	2.4	0.0	1.0	1.0	2.3	1.1	3.4										
48	0.4	0.1	0.5	0.0	0.1	0.1	0.4	0.2	0.6										
49	0.4	0.8	1.2	0.0	0.6	0.6	0.4	1.4	1.8										
50	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.2	0.2										
51	1.1	0.9	2.0	0.0	0.2	0.2	1.1	0.2	1.3										
52	8.0	0.1	8.1	0.0	6.5	6.5	8.0	0.6	8.6										
53	0.7	0.2	0.9	0.0	0.3	0.3	0.7	0.5	1.2										
54	4.5	0.2	4.7	0.0	0.3	0.3	4.5	0.5	5.0										
55	0.0	0.1	0.1	0.0	0.3	0.3	0.0	0.4	0.4										
56	17.4	1.6	19.0	0.0	3.5	3.5	17.4	5.1	22.5										
57	1.9	1.8	3.7	0.0	0.2	0.2	1.9	2.0	3.9										
58	1.2	2.6	3.8	0.1	0.3	0.4	1.3	2.9	4.2										
59	3.3	4.8	8.1	0.4	0.6	0.6	3.7	5.0	8.7										
60	3.7	9.9	13.6	0.0	0.6	0.6	3.7	10.5	14.2										
61	0.0	9.9	9.9	0.0	0.6	0.6	0.0	10.5	10.5										
62	10.1	29.0	39.1	0.5	1.9	2.4	10.6	30.9	41.5										

SW : Surface Water Source
 GW : Ground Water Source
 T : Total

TABLE 6. 10(2) PRESENT ANNUAL RAW WATER USE UNDER PLANNED SUPPLY CAPACITY FOR URBAN AND RURAL ON HA BASIS

(Unit: 10⁶ cu-m)

	Planned Capacity									Planned Capacity									
	Urban			Rural			Total			Urban			Rural			Total			
	SW	GW	T	SW	GW	T	SW	GW	T	SW	GW	T	SW	GW	T	SW	GW	T	
IA-I																			
101	4.4	0.3	4.7	0.0	0.1	0.1	4.4	0.4	4.8	601	17.8	12.2	30.0	0.3	1.8	2.1	18.1	14.0	32.1
102	1.1	1.6	2.7	0.0	0.6	0.6	1.1	2.2	3.3	602	19.0	38.3	157.3	0.1	0.3	0.4	19.1	38.6	157.7
103	1.8	0.7	2.5	0.0	0.8	0.8	1.8	1.5	3.3	603	61.7	28.2	85.5	0.1	1.3	1.4	61.8	29.5	89.3
104	1.8	1.4	3.2	0.0	1.1	1.1	1.8	2.5	4.3	604	25.8	2.8	28.6	0.1	1.5	1.6	25.9	4.3	30.6
105	59.7	2.9	62.6	0.0	1.1	1.1	59.7	4.0	63.7	605	1.7	2.8	4.5	0.2	0.4	0.6	1.9	3.3	5.2
106	1.2	2.5	3.7	0.0	1.9	1.9	1.2	4.4	5.6	606	4.5	1.6	6.1	0.2	0.3	0.5	4.7	1.9	6.6
107	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5	607	13.5	0.8	22.4	0.4	0.6	1.0	13.9	1.4	23.4
108	24.9	2.9	27.8	0.0	1.5	1.5	24.9	4.4	29.3	608	57.3	23.7	81.0	0.1	0.5	0.6	57.4	24.2	81.6
109	0.0	0.3	0.3	0.0	0.7	0.7	0.0	1.0	1.0	609	16.6	24.3	40.9	0.0	0.3	0.3	16.6	24.6	41.2
110	1.0	1.4	2.4	0.0	0.6	0.6	1.0	2.0	3.0	610	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1
111	2.6	1.0	3.6	0.0	0.8	0.8	2.6	1.8	4.4	611	0.6	0.2	0.8	0.0	0.2	0.2	0.6	0.4	1.0
112	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	612	1.6	0.0	1.6	0.0	0.7	0.7	1.6	0.7	2.3
113	2.0	0.9	2.9	0.0	0.6	0.6	2.0	1.5	3.5	613	0.8	5.9	6.5	0.0	0.5	0.9	0.8	6.4	7.2
114	1.6	0.6	2.2	0.0	0.3	0.3	1.6	0.9	2.5	614	40.0	7.3	47.3	0.0	0.2	0.2	40.0	7.5	47.5
	104.1	17.1	121.2	0.0	10.1	10.1	104.1	27.2	131.3	615	28.5	56.3	84.8	0.0	3.3	3.3	28.5	59.6	88.1
IA-II																			
201	0.6	0.2	0.8	0.0	0.1	0.1	0.6	0.3	0.9	701	1.9	2.5	4.4	0.1	0.6	0.7	2.0	3.1	5.1
202	1.0	0.9	1.9	0.1	0.1	0.2	1.1	1.0	2.1	702	2.5	6.0	8.5	0.0	0.2	2.5	2.5	6.2	8.7
203	0.8	0.1	0.9	0.0	0.0	0.0	0.8	0.1	0.9	703	75.7	78.2	153.9	0.1	6.1	6.2	75.8	84.3	160.1
204	25.7	2.9	28.6	0.0	0.5	0.5	25.7	3.4	29.1	704	19.4	4.9	24.3	0.0	2.0	2.0	19.4	6.9	26.3
205	17.5	1.7	19.2	0.1	0.9	1.0	17.6	2.6	20.2	705	4.5	7.6	12.1	0.0	1.2	1.2	4.5	8.8	13.3
206	1.1	0.7	1.8	0.0	0.3	0.3	1.1	1.0	2.1	706	64.8	6.8	71.6	0.0	1.1	1.1	64.8	7.9	72.7
207	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5	707	1.1	7.5	3.6	0.0	0.3	0.3	1.1	7.8	8.9
208	2.7	0.3	3.0	0.2	0.2	0.4	2.9	0.5	3.4	708	22.2	2.0	24.3	0.0	1.5	1.5	22.2	3.5	25.8
209	10.6	1.5	12.1	0.0	0.5	0.5	10.6	2.0	12.6	709	0.6	1.1	1.7	0.0	0.2	0.2	0.6	1.3	1.9
210	0.3	0.4	0.7	0.0	0.2	0.2	0.3	0.6	0.9	710	4.6	11.5	16.1	0.0	1.6	1.6	4.6	13.1	17.7
211	22.6	3.3	25.9	0.0	0.5	0.5	22.6	3.8	26.4	711	0.0	1.5	1.5	0.0	0.2	0.2	0.0	1.7	1.7
212	60.5	0.4	60.9	0.0	0.2	0.2	60.5	0.6	61.1	712	0.0	2.5	2.5	0.0	0.6	0.6	0.0	3.1	3.1
213	0.0	0.6	0.6	0.0	0.1	0.1	0.0	0.9	0.9	713	0.0	7.9	7.9	0.0	2.1	2.1	0.0	10.0	10.0
214	15.2	3.0	18.2	0.0	0.9	0.9	15.2	3.9	19.1	714	0.0	3.1	3.1	0.0	0.2	0.2	0.0	3.3	3.3
215	1.5	0.6	2.1	0.0	0.4	0.4	1.5	1.0	2.5	715	0.0	14.4	14.4	0.0	1.3	1.3	0.0	15.7	15.7
216	43.0	1.5	44.5	0.0	0.8	0.8	43.0	2.3	45.3	716	21.3	10.8	32.1	0.0	1.6	1.6	21.3	12.4	33.7
	203.1	21.8	224.9	0.4	5.7	6.1	203.5	27.5	231.0	717	3.0	4.6	7.6	0.0	1.2	1.2	3.0	5.8	8.8
IA-III																			
301	0.7	0.9	1.6	0.0	0.3	0.3	0.7	1.2	1.9	811	0.0	6.6	6.6	0.0	0.8	0.8	0.0	7.4	7.4
302	17.6	3.0	20.6	0.0	0.2	0.2	17.6	3.2	20.8	812	141.6	87.8	229.4	0.0	15.9	15.9	141.6	103.7	245.3
303	1.4	1.2	2.6	0.0	0.5	0.5	1.4	1.7	3.1	813	0.0	6.6	6.6	0.0	1.2	1.2	0.0	7.8	7.8
304	14.4	4.0	18.4	0.0	2.1	2.1	14.4	6.1	20.5	814	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
305	0.0	3.3	3.3	0.0	0.5	0.5	0.0	3.8	3.8	815	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
306	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2		827.9	414.1	1242.0	2.7	59.7	62.4	830.6	473.8	1404.4
307	5.2	1.0	6.2	0.0	0.2	0.2	5.2	1.2	6.4										
308	0.0	1.3	1.3	0.0	0.7	0.7	0.0	2.0	2.0										
309	0.0	0.7	0.7	0.0	0.7	0.7	0.0	1.4	1.4										
310	1.7	0.4	2.1	0.0	0.5	0.5	1.7	0.9	2.6										
311	1.8	0.3	2.1	0.0	0.1	0.1	1.8	0.4	2.2										
312	0.0	0.7	0.7	0.0	1.4	1.4	0.0	2.1	2.1										
313	1.3	0.0	1.3	0.0	0.1	0.1	1.3	0.1	1.4										
	44.1	17.0	61.1	0.0	7.3	7.3	44.1	24.3	68.4										
IA-IV																			
401	3.9	0.2	4.1	0.0	1.3	1.3	3.9	1.5	5.4										
402	0.7	2.0	2.7	0.0	0.1	0.1	0.7	2.1	2.8										
403	1.5	1.1	2.6	0.0	0.8	0.8	1.5	1.9	3.4										
404	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.3	0.3										
405	1.4	0.0	1.4	0.0	0.3	0.3	1.4	0.3	1.7										
406	9.6	0.3	9.9	0.0	0.5	0.5	9.6	0.8	10.4										
407	1.6	0.3	1.9	0.0	0.3	0.3	1.6	0.6	2.2										
408	7.0	0.3	7.3	0.0	0.6	0.6	7.0	0.9	7.9										
409	0.0	0.1	0.1	0.0	0.3	0.3	0.0	0.4	0.4										
	25.7	4.3	30.0	0.0	4.5	4.5	25.7	8.8	34.5										
IA-V																			
501	2.9	2.7	5.6	0.0	0.2	0.2	2.9	2.9	5.8										
502	1.7	4.3	6.0	0.1	0.3	0.4	1.8	4.6	6.4										
503	4.6	6.0	10.6	0.6	0.5	1.1	5.2	6.5	11.7										
504	6.9	20.9	27.8	0.6	0.8	1.4	7.5	21.7	29.2										
505	0.0	15.1	15.1	0.0	0.9	0.9	0.0	16.0	16.0										
	16.1	49.0	65.1	0.7	2.7	3.4	16.8	51.7	68.5										

SW : Surface Water Source
 GW : Ground Water Source
 T : Total

TABLE 6.11 PRESENT LARGE-SCALE WASTEWATER TREATMENT WORKS

Name of Facility	Planned service Population	Planned Capacity (m ³ hr)	Treatment Type
<u>Oyo</u>			
University of Ibadan			
Student Hall	10,000	250	OP
Academic Building	5,000	150	OP
Awolowo/Idia Hall	2,000	120	OP
<u>Ogun</u>			
Ogun State Hotel	4,500	?	?
<u>Lagos</u>			
Manicipa/office area	10,000	?	OD
Victoria Island	100,000	?	AS
Amuwo-odofin	10,000	4,600	EA
Iponri	10,000	4,600	EA
Alaura	3,000	—	OD
Oke Afa	40,000	12,000	AS
Abesan	50,000	14,400	OD
Festac	75,000	?	?
<u>Abuja</u>			
Abuja City	?	?	?
<u>Kano</u>			
Airport Road			
City Hospital	16,800	420	OP
Zoo Road			
Housing estate	414 ha	—	TF
Zaria Road			
Ja'oji Fed Housing	3,880 ha	—	TF

OP: Oxidation pond

OD: Oxidation Ditch

TF: Trickling Filter

AS: Activated Sludge

EA: Extended Aeration

TABLE 6.12 PRESENT WATER CHARGES

Description	Lagos High Density	Lagos Low Density	Enugu Major Urban	Enugu Minor Urban	Enugu Rural
<u>Metered Supply</u>					
• Domestic (N/m ³)	5.5		2.2		1.75
• Industrial & Commercial (N/m ³)	11.0		2.8		2.8
• Institutional (N/m ³)	5.5		(2.76 1.62		(2.76 1.62
• Special (N/m ³)	-		1.02		1.02
• Public post (N/month)	-		196.8		196.8
<u>Unmetered Supply</u>					
<u>Outside Stand-post</u>					
• Tenement (N/room/month)			6.0	4.8	4.33
• Single family dwelling (N/unit/month)					17.4 ~ 26.4
<u>Inside connection</u>					
• Tenement with cistern toilet (N/room/month)			10.2	7.2	6.0
• Flat with separate bath and cistern toilet (N/flat/month)	40	100	30.0 ~ 35.4	21.0 ~ 25.2	21.0 ~ 25.2
• Single Family Dwelling with separate bath and cistern toilet (N/unit/month)	60	200	38.4 ~ 81.6	22.8 ~ 56.4	1.75
• Duplex (N/unit/month)	60	100	81.6	56.4	40.8

TABLE 6.13 (1) UNIT WATER DEMAND LEVEL IN 1991

Size of Served Area	A	B	C	D	E	F
Domestic Use (ℓcd)	105	82	55	45	36	29
House Connection (ℓcd) : H.C	140	120	100	90	80	60
Public Post (ℓcd) : P.P	25	25	25	25	25	25
H.C : P.P	70:30	60:40	40:60	30:70	20:80	10:90
Special Use Allowance (%)	35	30	25	15	10	5
Consumption (ℓcd)	142	107	69	52	40	31
Effectiveness (%)	0.65	0.65	0.65	0.65	0.7	0.9
Load Factor	1.15	1.15	1.15	1.15	1.15	1.15
Demand (ℓcd)	250	190	120	90	70	40

TABLE 6.13 (2) UNIT WATER DEMAND PROJECTION IN 2000

Size of Served Area	A	B	C	D	E	F
Domestic Use (ℓcd)	137	106	70	58	47	34
H.C (ℓcd)	170	145	120	106	90	64
P.P (ℓcd)	26	26	26	26	26	26
H.C : P.P	77:23	67:33	47:53	40:60	33:67	20:80
Special use Allowance (%)	38	33	28	18	13	8
Consumption (ℓcd)	189	141	90	68	53	37
Effectiveness (%)	0.7	0.7	0.7	0.7	0.75	0.9
Load Factor	1.15	1.15	1.15	1.15	1.15	1.15
Demand (ℓcd)	310	230	150	110	80	50

TABLE 6.13 (3) UNIT WATER DEMAND PROJECTION IN 2020

Size of Served Area	A	B	C	D	E	F
Domestic Use (ℓcd)	228	182	120	102	90	60
H.C (ℓcd)	250	220	180	150	130	75
P.P (ℓcd)	30	30	30	30	30	30
H.C : P.P	90:10	80:20	60:40	60:40	60:40	40:60
Special Use Allowance (%)	45	40	35	25	20	10
Consumption (ℓcd)	333	252	162	125	108	60
Effectiveness (%)	0.8	0.8	0.8	0.8	0.82	0.9
Load Factor	1.15	1.15	1.15	1.15	1.15	1.15
Demand (ℓcd)	480	360	230	180	150	80

TABLE 6.14 PER CAPITA WATER CONSUMPTION IN OTHER COUNTRIES

(Unit: lcd)

Country	Urban	Rural
Kenya	house connection: 75 - 250	40 - 60
Madagascar	house connection: 115 public post: 45	house connection: 45 public post: 30
Zambia	-	public post: 65
Malawi	large cities: 125 - 140 other cities: 55	27
Sudan		house connection: 75 public post: 25
Zaire	house connection: 190	-
Niger	-	public post: 35
Senegal	-	public post: 40
Ghana	-	public post: 14 (Ghana Univ. Project)
Somalia	house connection: 130 public post: 50	public post: 25 - 30
Indonesia	house connection: 100 - 180 public post: 60	public post: 24
Malaysia	house connection: 250	house connection: 180
Bangladesh	house connection: 75 - 114 public post: 28 - 34	-
Sri Lanka	house connection: 152 public post: 37 - 57	
Thailand	house connection: 120 - 300 (excluding Bangkok)	-
Philippines	house connection: 115 (excluding Manila)	public post: 25
Myanmar	house connection: 120	house connection: 90
Colombia	house connection: 180	-
Bolivia	house connection: 120	-

TABLE 6.16(1) PROJECTED WATER DEMAND FOR URBAN WATER SUPPLY PLAN

State	1991				2000				2005				2010				2015				2020			
	Popu.		Demand		Popu.		Demand		Popu.		Demand		Popu.		Demand		Popu.		Demand		Popu.		Demand	
	#1000	#1000	M/D	l/cd	#1000	#1000	M/D	l/cd	#1000	#1000	M/D	l/cd	#1000	#1000	M/D	l/cd	#1000	#1000	M/D	l/cd	#1000	#1000	M/D	l/cd
(NW)																								
Yebbi	658	329	25.55	78	721	432	39.19	91	801	520	54.57	105	889	623	75.54	121	982	736	103.38	140	1084	867	140.85	162
Sokoto	1865	933	83.81	90	2045	1221	130.38	106	2271	1476	179.80	122	2523	1766	246.48	140	2785	2089	331.07	160	3074	2460	450.78	189
Falsina	1738	869	72.89	90	1905	1149	121.58	106	2116	1375	167.45	122	2351	1645	229.28	139	2595	1946	319.37	159	2864	2292	416.27	183
Sub total	4261	2131	187.25	88	4670	2802	291.15	104	5188	3372	401.83	119	5763	4034	551.30	137	6362	4771	747.83	157	7023	5610	1009.90	180
(NE)																								
Fano	2615	1307	157.66	121	2900	1749	253.67	146	3228	2038	345.63	165	3594	2516	468.23	186	3976	2882	627.26	210	4399	3519	836.57	238
Zigawa	814	407	30.43	15	903	542	47.05	87	1006	654	65.83	101	1119	783	91.51	117	1238	928	125.88	136	1370	1096	172.49	151
Kobe	391	196	16.55	95	434	280	26.72	103	483	314	36.82	117	537	376	50.40	134	595	446	68.33	153	658	526	92.16	175
Borno	1520	760	75.47	99	1686	1012	122.33	124	1877	1220	167.65	138	2089	1462	228.95	159	2311	1733	308.82	178	2557	2046	418.69	209
Mauchi	1496	748	59.30	79	1659	995	87.85	88	1847	1200	121.90	102	2056	1439	168.13	117	2274	1766	229.30	134	2516	2013	311.34	155
Sub total	6836	3418	338.40	99	7582	4549	537.58	118	8440	5486	738.12	135	9394	6576	1007.40	153	10394	7795	1359.72	174	11560	9200	1827.24	199
(CF)																								
Adama	2737	1368	145.51	106	3652	2131	280.12	128	4250	2762	401.44	145	4945	3462	571.90	165	5719	4289	665.59	188	6614	5291	1129.74	214
Ziger	1191	595	52.26	88	1589	953	99.04	104	1849	1202	143.14	119	2152	1506	205.63	137	2498	1866	292.11	157	2878	2302	413.10	179
Awara	1033	517	66.02	128	1379	827	129.07	156	1605	1043	182.78	175	1861	1307	257.31	197	2159	1619	358.16	221	2497	1998	456.31	249
Fogi	767	383	31.78	83	1023	614	60.38	98	1190	774	87.31	113	1385	970	125.52	129	1602	1201	178.42	149	1852	1492	252.49	170
F.C.T	213	106	18.03	169	284	171	34.62	203	331	215	48.90	227	385	259	68.65	255	445	334	95.33	286	519	412	131.76	320
Sub total	5941	2970	313.61	106	7928	4717	603.24	127	9225	5996	863.65	144	10734	7514	1229.17	184	12413	9310	1729.61	186	14355	11484	2423.43	211
(CE)																								
Adamawa	394	497	42.39	85	1390	834	84.52	101	1616	1051	122.31	116	1878	1316	175.87	154	2169	1627	250.13	154	2507	2006	354.58	177
Taraba	487	244	18.91	78	681	409	36.91	90	792	515	53.15	103	921	644	76.08	118	1064	738	107.70	135	1229	984	151.56	154
Plateau	1669	835	88.81	102	2334	1400	170.93	122	2713	1763	244.64	139	3154	2206	347.93	158	3644	2793	489.31	179	4210	3368	685.17	203
Benue	883	441	38.65	88	1234	741	75.95	104	1455	933	111.01	119	1658	1166	159.13	136	1927	1445	225.55	156	2226	1781	318.50	179
Sub total	4033	2017	184.75	92	5640	3384	369.40	109	6556	4261	531.12	125	7620	5334	759.04	142	8804	6603	1072.76	162	10173	8138	1509.71	186
(SW)																								
Delta	1610	805	66.38	82	2148	1289	131.14	102	2442	1587	184.76	116	2777	1944	258.76	133	3140	2355	358.71	152	3552	2841	485.04	174
Edo	1331	691	60.33	87	1844	1106	114.66	104	2096	1362	161.74	119	2383	1668	226.80	136	2695	2021	314.19	156	3048	2438	434.97	178
Ondo	2457	1228	113.01	92	3279	1967	216.46	110	3727	2423	303.64	125	4237	2966	429.41	143	4793	3594	584.40	163	5421	4338	883.00	185
Osun	1624	812	84.43	104	2187	1300	158.04	118	2464	1601	217.77	136	2801	1961	306.04	156	3168	2376	425.89	179	3583	2866	589.45	206
Oyo	2267	1133	166.87	147	3025	1815	325.01	179	3433	2235	449.52	201	3970	2737	418.04	226	4422	3316	641.06	254	5001	4001	1139.46	285
Igun	1645	823	92.56	113	2195	1317	169.15	128	2496	1622	238.97	147	2838	1986	335.62	169	3209	2407	466.54	194	3639	2904	645.64	222
Lagos	5568	2784	524.95	188	7430	4458	1031.19	231	8447	5190	1419.58	259	9603	6722	1342.66	289	10861	8146	2631.33	323	12284	9827	3546.28	361
Sub total	6552	3276	3107.94	134	8287	5252	2141.64	162	9511	6322	2976.55	182	10548	7983	1112.34	206	12288	9421	3622.52	292	13619	10925	7655.89	262
(SE)																								
Anugu	1989	995	93.44	94	2655	1593	174.66	110	3018	1962	246.00	125	3431	2402	344.45	143	3881	2811	477.38	164	4389	3511	658.66	188
Anambra	1836	918	83.90	91	2450	1470	157.68	107	2786	1811	222.67	123	3167	2217	312.59	141	3582	2686	434.36	162	4051	3241	600.87	185
Imo	1710	855	65.35	76	2282	1359	121.63	89	2594	1686	173.71	103	2949	2064	246.52	119	3336	2502	346.26	138	3773	3018	484.26	160
CrossRive	872	436	40.65	93	1164	659	77.41	114	1323	860	108.94	127	1504	1053	152.42	145	1701	1276	211.08	165	1924	1539	291.01	189
Abia	1318	659	64.45	98	1759	1055	129.08	117	1999	1299	172.68	133	2273	1591	240.85	151	2570	1928	332.52	172	2907	2326	457.04	197
Akwalbon	1246	623	49.60	83	1662	997	93.96	94	1890	1228	133.46	109	2148	1504	188.46	125	2430	1823	263.42	145	2743	2199	366.56	167
River	2461	1230	108.95	89	3284	1970	265.34	104	3733	2427	290.75	120	4244	2971	408.25	138	4800	3600	570.21	158	5429	4349	790.93	182
Sub total	11432	5716	508.97	89	15256	9154	953.80	104	17343	11273	1348.27	120	19716	14801	1894.64	137	22300	16725	2655.25	158	25222	20178	3649.32	181
Total	49054	24527	2639.33	108	63164	37898	4836.80	129	71863	46711	6859.71	147	81775	57242	8554.36	167	92560	69420	13169.34	190	104792	83839	18075.47	216

l/cd : per service population

TABLE 6.16(2) PROJECTED WATER DEMAND FOR RURAL WATER SUPPLY PLAN

State	(1991)				2000				2005				2010				2015				2020				
	Popu.	Service Popu.	Demand		Popu.	Service Popu.	Demand		Popu.	Service Popu.	Demand		Popu.	Service Popu.	Demand		Popu.	Service Popu.	Demand		Popu.	Service Popu.	Demand		
	#1000	#1000	M/D	I/cd	#1000	#1000	M/D	I/cd	#1000	#1000	M/D	I/cd	#1000	#1000	M/D	I/cd	#1000	#1000	M/D	I/cd	#1000	#1000	M/D	I/cd	
(NW)																									
Zebbi	1401	701	28.03	20	1536	922	45.09	30	1706	1109	61.86	36	1895	1327	83.05	44	2092	1569	110.80	53	2310	1848	147.81	64	
Sokoto	2527	1264	50.55	20	2770	1662	83.11	30	3071	2000	111.57	36	3418	2393	149.78	44	3773	2830	199.82	53	4165	3332	261.59	64	
Katsina	2141	1070	42.82	20	2346	1405	70.33	30	2607	1694	84.50	36	2895	2027	126.87	41	3196	2337	169.26	53	3528	2823	225.81	64	
Sub total	6070	3035	121.40	20	6653	3992	199.58	30	7390	4803	267.93	36	8209	5746	359.70	44	9062	6796	479.88	53	10003	8009	640.21	64	
(NE)																									
Kano	3023	1512	60.47	20	3354	2012	100.61	30	3793	2427	155.95	36	4155	2909	182.08	44	4598	3448	243.47	53	5087	4069	325.54	64	
Zigana	2018	1009	40.35	20	2238	1343	67.14	30	2491	1619	80.92	36	2773	1941	121.50	44	3068	2301	162.46	53	3394	2715	217.23	64	
Kobe	1020	510	20.40	20	1151	679	33.94	30	1259	819	45.65	36	1402	991	61.43	41	1551	1163	82.14	53	1716	1373	109.83	64	
Korno	1075	538	21.50	20	1193	716	35.78	30	1328	869	48.13	36	1478	1034	64.75	44	1635	1226	86.58	53	1809	1447	115.77	64	
Bauchi	2795	1398	55.91	20	3101	1850	93.02	30	3452	2244	125.14	36	3842	2689	168.35	44	4251	3188	225.11	53	4703	3762	300.99	64	
Sub total	9931	4966	198.63	20	11017	6610	330.50	30	12263	7971	444.60	36	13650	9555	598.12	44	15102	11327	799.76	53	16709	13367	1069.37	64	
(CY)																									
Adana	1231	616	24.62	20	1543	986	49.29	30	1912	1243	69.31	36	2224	1557	97.47	44	2572	1929	136.23	53	2975	2380	190.33	64	
Niger	1290	645	25.80	20	1722	1033	51.65	30	2003	1302	72.64	36	2331	1632	102.15	44	2696	2022	142.77	53	3118	2494	199.53	64	
Kwara	535	267	10.69	20	714	428	21.41	30	830	540	30.10	36	966	676	42.33	44	1117	838	59.11	53	1292	1034	82.63	64	
ogi	1833	667	26.67	20	1779	1058	53.38	30	2071	1346	75.07	36	2409	1687	105.57	44	2786	2090	147.55	53	3222	2578	206.21	64	
F.C.T	166	83	3.32	20	222	133	6.65	30	258	168	9.35	36	300	210	13.14	44	347	260	18.37	53	401	321	25.67	64	
Sub total	4555	2278	91.11	20	6079	3648	182.38	30	7074	4598	256.47	36	8231	5762	360.61	44	9519	7139	504.07	53	11005	8806	704.50	64	
(CE)																									
Adamawa	1129	564	22.57	20	1578	947	47.33	30	1894	1192	66.49	36	2192	1492	93.41	44	2463	1847	130.43	53	2846	2277	182.16	64	
Taraba	993	496	19.85	20	1388	833	41.64	30	1613	1049	58.49	36	1875	1313	82.17	44	2167	1625	114.74	53	2502	2092	160.16	64	
Plateau	1616	808	32.31	20	2259	1355	67.76	30	2626	1707	95.19	36	3052	2196	133.73	44	3526	2645	186.73	53	4073	3259	260.70	64	
Benue	1896	948	37.92	20	2651	1591	79.53	30	3081	2003	111.22	36	3582	2507	156.95	44	4138	3104	219.15	53	4781	3825	306.00	64	
Sub total	5634	2818	112.66	20	7815	4725	236.25	30	9154	5950	331.83	36	10641	7443	466.27	44	12294	9221	651.05	53	14203	11363	909.02	64	
(SW)																									
Delta	959	480	19.18	20	1280	769	38.40	30	1455	946	52.76	36	1654	1158	72.43	44	1871	1403	99.03	53	2176	1693	135.44	64	
Edo	778	389	15.55	20	1038	623	31.13	30	1180	767	42.77	36	1341	939	58.76	44	1517	1138	80.92	53	1715	1372	109.79	64	
Ondo	1427	714	28.54	20	1905	1143	57.14	30	2165	1407	78.50	36	2482	1723	107.86	44	2784	2085	147.44	53	3149	2519	201.53	64	
Osun	579	290	11.58	20	773	464	23.18	30	879	571	31.85	36	993	693	43.77	44	1130	847	59.82	53	1278	1022	81.77	64	
Oyo	1222	611	24.44	20	1631	979	48.93	30	1854	1205	67.23	36	2108	1476	92.31	44	2384	1788	126.26	53	2697	2157	172.58	64	
Ogun	694	347	13.88	20	926	556	27.78	30	1053	684	38.16	36	1197	838	52.43	44	1353	1015	71.67	53	1531	1225	97.97	64	
Lagos	119	60	2.39	20	159	96	4.78	30	181	118	6.57	36	206	144	9.02	44	233	175	12.33	53	263	211	16.88	64	
Sub total	5778	2889	115.57	20	7711	4627	251.33	30	8767	5698	317.84	36	9966	6976	436.70	44	11272	8451	596.93	53	12749	10199	815.95	64	
(SE)																									
Enugu	1173	586	23.45	20	1565	939	46.95	30	1779	1156	64.50	36	2022	1416	85.62	44	2287	1716	121.13	53	2587	2070	165.58	64	
Anambra	932	466	18.64	20	1244	746	37.31	30	1414	919	51.25	36	1607	1125	70.42	44	1818	1363	96.26	53	2058	1645	131.56	64	
Iwo	778	389	15.56	20	1038	623	31.15	30	1180	767	42.79	36	1342	939	58.80	44	1518	1138	80.37	53	1717	1373	109.86	64	
Cross River	994	497	19.88	20	1327	796	39.80	30	1508	980	54.68	36	1715	1200	75.13	44	1939	1454	102.69	53	2193	1755	140.37	64	
Abia	980	490	19.61	20	1308	783	39.25	30	1487	957	53.92	36	1691	1184	74.08	44	1912	1434	101.27	53	2163	1739	138.43	64	
Imo	1114	557	22.29	20	1487	892	44.61	30	1691	1099	61.29	36	1922	1345	84.21	44	2174	1630	115.11	53	2459	1967	157.35	64	
River	1523	762	30.47	20	2033	1220	60.99	30	2311	1592	83.79	36	2627	1839	115.12	44	2972	2229	157.36	53	3361	2683	215.10	64	
Sub total	7494	3747	149.85	20	10002	6001	300.05	30	11970	7390	412.22	36	12926	9048	568.38	44	14620	10965	774.20	53	16535	13228	1058.26	64	
Total	39463	19731	769.25	40	49336	29602	1489.09	50	56017	36411	2030.95	56	63623	44536	4008.28	63	71869	53902	3802.69	71	81208	64966	5197.31	80	

Icd : per service population

TABLE 6.16(3) PROJECTED WATER DEMAND FOR TOTAL WATER SUPPLY PLAN

State	1991				2000				2005				2010				2015				2020			
	Popu.		Demand		Popu.		Demand		Popu.		Demand		Popu.		Demand		Popu.		Demand		Popu.		Demand	
	1900	1900	M.D	cd	1000	1000	M.D	cd	1000	1000	M.D	cd	1000	1000	M.D	cd	1000	1000	M.D	cd	1000	1000	M.D	cd
(NW)																								
Lebbi	2059	1930	53.81	52	2257	1354	85.27	83	2507	1828	118.91	78	2789	1948	159.81	88	3074	2305	219.08	93	3393	2718	288.81	100
Schoto	1389	2196	134.36	61	4815	2889	219.48	74	5348	3418	292.32	84	5941	4158	397.88	96	6558	4918	335.45	109	7248	5732	417.32	124
Kateina	3679	1940	129.11	62	4251	2551	181.97	75	4789	3670	261.16	86	5248	3172	251.51	97	5791	4149	350.93	111	6393	5114	454.08	126
Subtotal	7127	5166	300.65	60	11323	6794	456.73	72	12544	8116	672.04	82	13978	9780	811.21	94	15423	11568	1221.44	106	17026	13624	1650.11	131
(NE)																								
Kano	5838	2819	210.13	27	6254	3752	354.23	34	6961	4525	432.04	41	7749	5124	452.20	50	8518	6430	672.53	58	9445	7588	1102.11	63
Ngawa	2432	1418	29.74	50	3141	1845	114.18	51	3497	2171	158.94	48	3832	2725	214.85	78	4304	3230	289.71	90	4765	3812	389.22	103
Fobe	1481	706	28.93	52	1545	939	60.64	65	1742	1132	82.46	71	1939	1358	112.32	83	2146	1699	151.09	94	2374	1839	201.99	106
Dorao	2535	1259	96.91	75	2878	1727	158.11	92	3204	2063	218.38	104	3567	2497	236.39	118	3946	2860	316.00	134	4368	3492	520.46	152
Rauchi	1291	1146	115.29	56	4760	2856	140.89	81	5298	3444	244.11	112	5898	4128	358.31	132	6526	4834	458.18	151	7219	5315	812.23	166
Subtotal	13767	6383	539.03	64	18599	11559	668.07	78	20709	13457	1186.29	94	23045	16132	1611.84	100	25497	19122	2165.57	113	28705	22567	2896.61	128
(CE)																								
Kaduna	3968	1984	178.14	88	5295	3171	329.41	104	6182	4005	411.93	118	7170	5019	670.40	134	8281	6218	942.65	152	9588	7671	1320.14	172
Kiger	2441	1240	76.07	61	3311	1987	150.70	76	3653	2504	216.39	89	4088	3150	308.89	98	4584	3808	435.98	112	5195	4798	612.65	128
Kwara	1564	844	26.72	58	2094	1256	156.48	69	2435	1493	213.13	85	2833	1937	300.00	101	3278	2657	417.76	117	3789	3021	579.01	131
Kogi	2109	1950	58.45	56	2802	1681	113.76	68	3261	2120	163.82	77	3794	2656	232.23	87	4368	3291	321.81	99	5075	4068	458.34	113
F.C.T	379	190	21.35	13	506	303	41.27	18	688	383	58.32	23	985	499	81.91	27	1392	594	119.84	32	1918	159	151.44	41
Subtotal	10496	5248	404.72	73	14007	8454	765.81	93	16299	10584	1122.20	104	18965	13279	1592.54	120	21832	16489	2237.54	136	25368	20290	3121.91	154
(SE)																								
Benue	2123	1062	64.36	51	2958	1781	131.85	74	3450	2243	199.31	84	4011	2807	270.36	96	4634	3478	381.23	110	5353	4283	636.54	125
Plateau	1450	740	99.78	32	2059	1241	78.54	43	2469	1583	112.38	52	2786	1931	158.14	61	3230	2428	229.31	72	3782	2988	512.02	85
Osun	2292	1683	117.12	71	4592	2758	238.75	87	5339	3470	268.42	103	6206	4341	403.08	119	7170	5277	672.47	136	8208	6627	945.87	153
Peru	2179	1389	26.57	55	3085	2331	158.51	61	4514	2926	222.67	76	5250	3675	311.76	86	6065	4549	444.38	98	7008	5608	824.29	111
Subtotal	8671	4834	299.41	62	13515	8109	605.65	75	15710	10212	865.79	85	18262	12783	1130.36	96	21059	15824	1728.91	109	24378	19501	2418.73	128
(SW)																								
Bella	2589	1285	45.57	67	3478	2057	169.54	82	3997	2539	227.37	94	4431	3182	322.04	107	5011	3759	458.57	122	5668	4534	630.43	139
Ido	2158	1078	15.48	70	2861	1728	145.75	84	3275	2139	204.87	96	3724	2667	246.20	110	4218	3159	385.74	125	4764	3811	514.76	143
Imo	3864	1942	111.55	73	5193	3188	279.80	88	5893	3830	362.88	100	6699	4869	532.42	114	7571	5689	732.95	129	8569	6856	1004.53	147
Osun	2292	1401	36.01	87	2940	1764	177.22	100	3342	2172	248.30	115	3800	2660	350.29	132	4294	3223	445.39	148	4885	3888	671.26	173
Oyo	3488	1744	193.32	110	4656	2794	318.94	134	5293	3441	317.39	150	6011	4184	411.37	169	6808	5195	668.25	190	7698	6158	1012.04	219
Ogun	2339	1149	106.44	91	3121	1813	196.82	103	3549	2307	277.48	120	4034	2824	368.83	138	4569	3422	438.18	157	5181	4129	743.61	180
Ogbe	3697	2849	526.74	85	5589	4553	835.97	118	6524	5608	836.20	134	7423	6866	1051.27	164	8404	7820	1248.76	198	9567	8078	1545.14	255
Subtotal	22730	11145	1223.51	110	29798	17815	2372.98	133	33827	22028	2236.11	150	38518	28980	3552.72	168	43560	32670	4324.04	181	49268	39114	6011.83	215
(SE)																								
Enugu	3142	1581	116.83	74	4220	2532	223.81	88	4797	3178	311.85	100	5454	3811	438.02	116	6168	4626	589.45	130	6972	5581	824.24	148
Anambra	2768	1384	102.53	74	3694	2218	194.99	88	4196	2730	274.57	101	4724	3342	389.78	115	5400	4058	531.27	131	6197	4886	732.45	150
Imo	2168	1214	80.91	65	3020	1992	152.83	72	3776	2459	216.98	88	4391	3004	306.41	102	4859	3685	427.18	117	5488	4392	594.12	135
CrossRiv	1846	923	60.57	65	2490	1494	117.21	78	2831	1840	164.08	89	3216	2253	228.35	101	3640	2730	314.58	115	4117	3284	431.38	131
Abia	2299	1149	81.46	73	3087	1840	162.82	84	3488	2265	217.05	100	3969	2724	315.72	114	4485	3361	428.56	129	5078	4056	565.44	143
Nwalbea	2360	1180	91.89	61	3150	1890	138.57	72	3580	2327	185.38	84	4070	2849	272.82	98	4604	3453	378.46	110	5297	4168	522.90	128
River	3584	1952	138.42	70	4317	2630	264.32	83	4844	3229	279.21	94	5471	4010	525.68	108	6172	4629	728.83	125	6790	5032	1006.88	143
Subtotal	19328	9663	858.26	68	25258	15165	1233.85	83	28713	18663	1784.61	93	32648	22649	2467.18	108	36920	27690	3415.57	123	41756	32006	4702.58	141
Total	28517	14258	1428.56	77	37500	21500	1936.89	94	42885	28172	3304.34	107	48400	34780	4238.55	122	54431	40323	5700.07	138	61000	48200	7272.74	156

TABLE 6.17(1) PROJECTED DAILY RAW WATER DEMAND FOR URBAN WATER SUPPLY PLAN

State	2000						2005						2010						2015						2020								
	SW		GW		Total		SW		GW		Total		SW		GW		Total		SW		GW		Total		SW		GW		Total				
	MLD	M3D	MLD	M3D	MLD	M3D	MLD	M3D	MLD	M3D	MLD	M3D	MLD	M3D	MLD	M3D	MLD	M3D	MLD	M3D	MLD	M3D	MLD	M3D	MLD	M3D	MLD	M3D	MLD	M3D			
(NW)	11	12	21	19	39	28	26	54	38	37	75	52	51	103	72	69	141	103	103	72	69	141	103	103	72	69	141	103	103	72	69		
Keffi	32	32	64	61	125	110	70	180	149	149	298	200	200	400	289	289	578	400	400	289	289	578	400	400	289	289	578	400	400	289	289		
Sokoto	42	35	77	109	241	91	76	167	124	105	229	167	167	334	233	195	429	310	310	233	233	466	310	310	233	233	466	310	310	233	233		
Katsina	87	99	187	235	413	229	172	401	311	239	550	419	419	838	583	563	1141	746	746	583	583	1141	746	746	583	583	1141	746	746	583	583		
Sub Total	178	182	339	288	538	389	348	737	528	478	1,006	708	708	1,416	994	994	1,988	1,394	1,394	994	994	1,988	1,394	1,394	994	994	1,988	1,394	1,394	994	994		
(NE)	131	27	158	212	42	254	287	58	345	78	468	522	522	1,044	105	151	627	627	627	105	151	627	627	627	105	151	627	627	627	105	151	627	627
Kano	2	28	30	4	47	5	61	66	7	84	91	10	10	20	116	116	232	232	232	116	116	232	232	232	116	116	232	232	232	116	116	232	232
Jigawa	0	17	17	0	27	0	0	27	0	50	50	0	0	50	50	50	100	100	100	50	50	100	100	100	50	50	100	100	100	50	50	100	100
Yobe	29	46	75	47	75	63	104	167	86	142	229	114	114	228	195	151	309	309	309	195	151	309	309	309	195	151	309	309	309	195	151	309	309
Borno	18	44	59	25	67	34	88	122	46	122	188	62	62	124	167	167	334	334	334	167	167	334	334	334	167	167	334	334	334	167	167	334	334
Bauchi	178	182	339	288	538	389	348	737	528	478	1,006	708	708	1,416	994	994	1,988	1,394	1,394	994	994	1,988	1,394	1,394	994	994	1,988	1,394	1,394	994	994		
Sub Total	126	19	145	245	35	280	348	54	402	78	572	696	696	1,392	109	157	805	805	805	109	157	805	805	805	109	157	805	805	805	109	157	805	805
(SE)	30	12	42	60	24	85	95	27	122	39	161	195	195	390	55	250	249	249	249	55	250	249	249	249	55	250	249	249	249	55	250	249	249
Adamawa	5	3	8	10	7	17	14	39	53	21	76	30	30	60	78	78	156	156	156	78	78	156	156	156	78	78	156	156	156	78	78	156	156
Taraba	5	3	8	10	7	17	14	39	53	21	76	30	30	60	78	78	156	156	156	78	78	156	156	156	78	78	156	156	156	78	78	156	156
Plateau	71	14	85	144	27	171	205	39	244	202	446	148	148	296	80	489	489	489	489	80	489	489	489	489	80	489	489	489	489	80	489	489	489
Benue	26	12	38	53	24	77	76	35	111	107	218	138	138	276	68	206	206	206	206	68	206	206	206	206	68	206	206	206	206	68	206	206	206
Sub Total	131	52	185	268	102	369	390	140	530	557	759	772	772	1,544	281	1,053	1,074	1,074	1,074	281	1,053	1,074	1,074	1,074	281	1,053	1,074	1,074	1,074	281	1,053	1,074	1,074
(SW)	62	62	124	9	122	131	17	168	185	21	236	237	237	474	332	359	333	333	333	332	359	333	333	333	332	359	333	333	333	332	359	333	333
Delta	29	32	60	55	60	115	74	88	162	105	210	218	218	436	145	459	409	409	409	145	459	409	409	409	145	459	409	409	409	145	459	409	409
Edo	58	55	113	112	105	216	157	147	304	218	206	206	206	412	286	584	584	584	584	286	584	584	584	584	286	584	584	584	584	286	584	584	584
Ondo	28	56	84	46	108	54	67	150	217	96	210	306	306	288	288	426	426	426	426	288	426	426	426	426	288	426	426	426	426	288	426	426	426
Osun	138	29	167	270	55	325	372	77	449	510	108	818	818	1,636	149	841	841	841	841	149	841	841	841	841	149	841	841	841	841	149	841	841	841
Oyo	50	42	92	94	75	169	132	107	239	133	152	335	335	214	467	467	467	467	214	467	467	467	467	214	467	467	467	467	214	467	467	467	
Rivers	474	50	524	332	39	1,031	1,282	137	1,418	1,755	188	1,943	1,943	3,886	256	2,632	2,632	2,632	2,632	256	2,632	2,632	2,632	2,632	256	2,632	2,632	2,632	2,632	256	2,632	2,632	2,632
Lagos	782	328	1,108	1,519	623	2,142	2,101	874	2,975	2,888	1,222	4,110	4,110	8,220	1,670	5,786	5,324	5,324	5,324	1,670	5,786	5,324	5,324	5,324	1,670	5,786	5,324	5,324	5,324	1,670	5,786	5,324	5,324
Sub Total	36	57	93	71	103	175	99	147	248	135	209	244	244	488	293	477	477	477	477	293	477	477	477	477	293	477	477	477	477	293	477	477	477
(SE)	23	50	73	45	113	158	62	160	222	87	226	213	213	426	314	434	434	434	434	314	434	434	434	434	314	434	434	434	434	314	434	434	434
Anambra	15	50	65	30	92	122	39	135	174	58	191	247	247	494	269	347	347	347	347	269	347	347	347	347	269	347	347	347	347	269	347	347	347
Imo	24	19	41	41	37	77	61	74	108	36	86	152	152	148	148	211	211	211	211	148	211	211	211	211	148	211	211	211	211	148	211	211	211
Cross River	36	28	64	71	52	123	99	77	173	135	186	241	241	482	263	363	363	363	363	263	363	363	363	363	263	363	363	363	363	263	363	363	363
Abia	0	49	49	0	94	94	0	133	133	0	188	188	188	0	263	263	263	263	263	0	263	263	263	263	0	263	263	263	263	0	263	263	263
Akwafon	0	109	109	0	205	205	0	291	291	0	409	409	409	0	590	590	590	590	590	0	590	590	590	590	0	590	590	590	590	0	590	590	590
Rivers	133	370	506	257	697	954	360	987	1,347	499	1,395	1,894	1,894	3,788	1,969	2,655	2,655	2,655	1,969	2,655	2,655	2,655	2,655	1,969	2,655	2,655	2,655	2,655	1,969	2,655	2,655	2,655	
Sub Total	1,567	1,072	2,638	3,059	1,959	5,018	4,169	2,685	6,854	5,777	3,771	9,548	8,077	5,234	13,313	10,768	7,307	7,307	7,307	13,313	10,768	7,307	7,307	7,307	13,313	10,768	7,307	7,307	7,307	13,313	10,768	7,307	7,307
Nationwide	1,567	1,072	2,638	3,059	1,959	5,018	4,169	2,685	6,854	5,777	3,771	9,548	8,077	5,234	13,313	10,768	7,307	7,307	7,307	13,313	10,768	7,307	7,307	7,307	13,313	10,768	7,307	7,307	7,307	13,313	10,768	7,307	7,307

TABLE 6.17(2) PROJECTED DAILY RAW WATER DEMAND FOR RURAL WATER SUPPLY PLAN

State	(1991)			2000			2005			2010			2015			2020		
	SW MLD	Total MLD	GW MLD	SW MLD	Total MLD	GW MLD	SW MLD	Total MLD	GW MLD	SW MLD	Total MLD	GW MLD	SW MLD	Total MLD	GW MLD	SW MLD	Total MLD	
																		Total MLD
(NW)	0	28	0	0	46	0	0	55	0	0	77	0	0	105	0	0	148	
Keana	0	51	0	0	83	0	0	94	0	0	133	0	0	183	0	0	267	
Sokoto	0	43	0	0	70	0	0	87	0	0	119	0	0	162	0	0	226	
Katsina	0	121	0	0	200	0	0	236	0	0	329	0	0	450	0	0	640	
Sub Total	0	210	0	0	330	0	0	400	0	0	536	0	0	754	0	0	1,069	
(NE)	0	60	0	0	101	0	0	130	0	0	177	0	0	239	0	0	326	
Kano	0	40	0	0	67	0	0	86	0	0	117	0	0	157	0	0	217	
Jigawa	0	20	0	0	34	0	0	41	0	0	59	0	0	79	0	0	110	
Yobe	0	22	0	0	36	0	0	44	0	0	62	0	0	84	0	0	116	
Dorno	0	68	0	0	93	0	0	108	0	0	151	0	0	205	0	0	301	
Bauchi	0	210	0	0	330	0	0	400	0	0	536	0	0	754	0	0	1,069	
Sub Total	0	25	0	0	49	0	0	63	0	0	82	0	0	108	0	0	148	
(CW)	0	25	0	0	49	0	0	63	0	0	82	0	0	108	0	0	148	
Keduna	0	25	0	0	49	0	0	63	0	0	82	0	0	108	0	0	148	
Vigra	0	25	0	0	49	0	0	63	0	0	82	0	0	108	0	0	148	
Kwara	0	11	0	0	21	0	0	28	0	0	38	0	0	55	0	0	83	
Yogi	0	24	0	0	48	0	0	65	0	0	93	0	0	134	0	0	206	
S.C.	0	3	0	0	7	0	0	10	0	0	14	0	0	19	0	0	26	
Sub Total	0	88	0	0	177	0	0	225	0	0	328	0	0	467	0	0	682	
(CE)	0	205	0	0	47	0	0	82	0	0	89	0	0	126	0	0	182	
Adeawa	0	205	0	0	47	0	0	82	0	0	89	0	0	126	0	0	182	
Taraba	0	205	0	0	47	0	0	82	0	0	89	0	0	126	0	0	182	
Plateau	0	205	0	0	88	0	0	124	0	0	177	0	0	251	0	0	361	
Benue	0	205	0	0	80	0	0	108	0	0	154	0	0	216	0	0	306	
Sub Total	0	819	0	0	236	0	0	306	0	0	442	0	0	627	0	0	909	
(SW)	0	19	0	0	38	0	0	53	0	0	70	0	0	97	0	0	135	
Delta	0	19	0	0	38	0	0	53	0	0	70	0	0	97	0	0	135	
Edo	0	13	0	0	26	0	0	36	0	0	49	0	0	67	0	0	92	
Ondo	0	25	0	0	50	0	0	65	0	0	87	0	0	117	0	0	162	
Ogun	0	11	0	0	22	0	0	30	0	0	41	0	0	56	0	0	77	
Oyo	0	23	0	0	46	0	0	63	0	0	83	0	0	115	0	0	162	
Ogun	0	10	0	0	20	0	0	28	0	0	38	0	0	52	0	0	72	
Lagos	0	2	0	0	5	0	0	7	0	0	10	0	0	14	0	0	19	
Sub Total	0	103	0	0	207	0	0	287	0	0	389	0	0	512	0	0	731	
(SE)	0	23	0	0	47	0	0	64	0	0	89	0	0	121	0	0	166	
Enugu	0	23	0	0	47	0	0	64	0	0	89	0	0	121	0	0	166	
Anambra	0	16	0	0	31	0	0	42	0	0	58	0	0	80	0	0	110	
Imo	0	16	0	0	31	0	0	42	0	0	58	0	0	80	0	0	110	
Cross River	0	20	0	0	40	0	0	52	0	0	72	0	0	99	0	0	140	
Abia	0	29	0	0	57	0	0	77	0	0	105	0	0	144	0	0	198	
Awalbon	0	22	0	0	45	0	0	61	0	0	83	0	0	113	0	0	157	
Rivers	0	30	0	0	61	0	0	80	0	0	112	0	0	154	0	0	215	
Sub Total	0	149	0	0	298	0	0	444	0	0	598	0	0	804	0	0	1,058	
Nationwide	16	1,497	1,507	32	1,448	1,480	35	1,876	1,911	52	2,522	2,674	75	3,614	3,688	114	5,063	

TABLE 6.18 (1) PROJECTED ANNUAL RAW WATER DEMAND FOR URBAN WATER SUPPLY PLAN

State	1997			2000			2005			2010			2015			2020					
	SW	GW	Total	SW	GW	Total	SW	GW	Total	SW	GW	Total	SW	GW	Total	SW	GW	Total			
	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM		
(NW)																					
Kebbi	4	8	12	9	17	26	12	42	54	12	24	36	17	57	74	27	85	112	33	106	139
Sokoto	10	26	36	22	53	75	35	77	112	35	73	108	53	98	151	63	143	206	85	187	272
Katsina	11	25	36	24	53	77	29	39	68	33	45	78	53	71	124	53	62	115	71	82	153
Sub Total	28	59	87	55	127	182	73	127	200	76	175	251	133	179	312	104	237	341	142	212	354
(NE)																					
Kano	41	80	121	91	180	271	123	234	357	152	319	471	225	431	656	207	431	638	295	584	879
Kaduna	40	65	105	78	128	206	110	177	287	158	274	432	168	390	558	225	442	667	295	549	844
Niger	11	17	28	21	32	53	30	45	75	42	62	104	50	72	122	60	84	144	77	107	184
Kebe	0	5	5	0	12	12	0	16	16	0	16	16	0	16	16	0	22	22	0	29	29
Borno	3	15	18	15	33	48	20	53	73	27	73	100	36	98	134	48	137	185	62	174	236
Bauchi	5	14	19	8	20	28	11	28	39	15	39	54	20	53	73	27	72	99	34	84	118
Sub Total	58	108	166	91	171	262	123	234	357	152	319	471	225	431	656	207	431	638	295	584	879
(GW)																					
Kaduna	40	65	105	78	128	206	110	177	287	158	274	432	168	390	558	225	442	667	295	549	844
Niger	11	17	28	21	32	53	30	45	75	42	62	104	50	72	122	60	84	144	77	107	184
Kwara	18	21	39	36	41	77	50	58	108	71	82	153	99	114	213	137	157	294	184	217	401
Kogi	4	10	14	11	28	39	16	40	56	23	57	80	33	80	113	46	114	160	67	167	234
F.C.T.	6	4	10	8	11	19	0	0	0	22	22	44	30	30	60	42	42	84	0	0	0
Sub Total	81	100	181	156	191	347	222	274	496	315	390	705	442	549	991	618	769	1487	812	1022	1834
(SE)																					
Adamawa	10	13	23	19	27	46	30	41	71	43	56	99	62	79	141	84	103	187	111	142	253
Paraba	2	4	6	4	8	12	4	8	12	7	14	21	10	20	30	13	26	39	18	36	54
Plateau	23	27	50	46	54	100	65	77	142	93	110	203	130	155	305	170	198	368	225	271	546
Benue	8	12	20	17	24	41	24	35	59	34	50	84	44	65	109	67	97	164	87	125	212
Sub Total	42	59	101	85	117	196	124	168	292	177	241	418	245	336	581	341	458	799	457	618	1075
(SW)																					
Delta	1	20	21	3	39	42	5	59	64	7	82	89	9	97	106	11	114	125	14	147	161
Edo	8	10	18	17	23	40	23	31	54	33	43	76	40	51	91	48	62	110	58	74	132
Ondo	18	18	36	36	36	72	50	50	100	69	69	138	95	95	190	130	130	260	175	175	350
Osun	9	18	27	15	34	49	21	48	69	27	60	87	34	77	111	44	99	143	52	117	169
Oyo	41	8	49	86	17	103	118	24	142	162	34	196	220	47	267	297	65	362	384	149	533
Ogun	16	13	29	30	24	54	42	34	76	58	48	106	80	68	148	110	95	205	140	116	256
Lagos	150	16	166	296	31	327	407	48	455	557	60	617	754	81	835	1,016	110	1,126	1,332	140	1,472
Sub Total	248	104	352	482	198	680	667	277	944	917	388	1,305	1,301	530	1,831	1,630	740	2,370	2,342	864	3,206
(SE)																					
Enugu	12	18	30	23	33	56	31	47	78	43	65	108	58	87	145	79	120	199	106	161	267
Anaobra	7	19	26	14	36	50	20	51	71	28	70	98	38	95	133	52	133	185	70	179	249
Iao	5	16	21	9	28	37	12	43	55	18	55	73	25	85	110	35	119	154	47	161	208
Cross R.	7	19	26	13	34	47	19	48	67	27	68	95	38	95	133	50	125	175	67	167	234
Abia	12	6	18	22	17	39	31	22	53	43	34	77	59	47	106	79	66	145	106	88	194
Imwambon	0	16	16	0	30	30	0	42	42	0	60	60	0	83	83	0	116	116	0	151	151
Rivers	0	35	35	0	65	65	0	92	92	0	130	130	0	187	187	0	251	251	0	344	344
Sub Total	42	118	160	82	221	303	114	313	427	158	443	601	218	625	843	294	864	1,158	394	1,158	1,552
National	497	340	837	971	622	1,593	1,323	892	2,215	1,834	1,197	3,031	2,564	1,661	4,225	3,418	2,319	5,737	4,737	3,418	8,155

TABLE 6.18 (3) PROJECTED ANNUAL RAW WATER DEMAND FOR TOTAL WATER SUPPLY PLAN

State	1999			2000			2005			2010			2015			2020		
	SW	GW	Total	SW	GW	Total	SW	GW	Total	SW	GW	Total	SW	GW	Total	SW	GW	Total
	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM
(NW)																		
Kebbi	4	13	17	7	21	27	9	26	35	12	36	48	17	50	66	23	69	92
Sokoto	10	32	42	26	87	113	35	100	135	47	134	181	64	180	244	88	252	340
Katsina	13	25	38	42	57	100	29	52	81	39	71	110	53	97	150	71	134	204
Sub Total	28	70	98	75	120	194	73	129	202	99	180	279	133	247	380	179	345	524
(NE)																		
Kano	41	28	69	57	45	102	91	60	151	123	61	205	156	109	275	218	151	369
Zigawa	1	22	23	1	35	36	2	47	49	2	49	66	3	87	90	4	119	124
Kobe	0	12	12	0	19	19	0	25	25	0	35	35	0	47	47	0	64	64
Borno	9	22	31	15	35	50	20	44	64	27	67	89	36	85	122	88	120	168
Bauchi	5	35	40	8	49	57	11	52	73	15	67	101	20	118	138	27	168	194
Sub Total	56	118	174	91	184	275	123	237	361	168	328	496	225	446	671	296	623	919
(GW)																		
Kaduna	40	14	54	78	27	105	110	37	148	157	53	211	221	76	297	309	110	419
Ziger	11	14	25	21	25	46	30	35	65	42	52	94	60	75	135	84	111	194
Kwara	18	6	24	36	12	48	50	10	66	27	23	94	99	33	131	137	47	184
Kogi	7	12	19	13	32	45	27	38	65	27	46	73	73	65	103	54	92	146
F.C.T.	6	1	7	11	2	13	16	3	19	22	4	25	30	6	36	42	8	50
Sub Total	82	47	128	158	91	249	224	123	348	319	179	498	447	255	702	525	366	993
(CE)																		
Adamawa	10	69	78	19	23	42	30	28	58	43	41	84	62	57	119	79	91	170
Plateau	23	69	92	46	30	76	65	39	104	93	57	150	130	82	211	181	119	300
Benic	8	69	77	17	33	50	24	45	70	34	65	99	44	90	194	67	131	198
Sub Total	42	276	318	85	107	192	124	142	265	177	204	381	245	288	533	341	427	768
(SW)																		
Delta	1	26	27	3	51	54	5	70	76	7	97	104	9	136	145	11	190	200
Edo	10	14	24	19	27	46	25	39	64	35	54	90	103	67	170	70	103	173
Ondo	19	25	45	38	49	87	53	57	110	73	94	158	100	131	221	138	181	319
Osun	9	21	30	15	41	56	21	28	77	31	44	109	44	108	152	63	150	213
Oyo	45	16	61	87	32	119	119	43	163	163	61	224	222	84	306	300	116	416
Ogun	17	17	34	32	30	62	45	41	86	82	38	121	86	82	169	119	117	286
Lagos	150	17	167	296	33	329	407	46	453	557	62	619	754	84	839	1,016	115	1,132
Sub Total	252	136	388	490	263	753	675	362	1,037	929	505	1,434	1,318	693	2,011	1,717	972	2,689
(SE)																		
Enugu	12	26	37	23	48	70	31	67	98	43	95	137	58	131	190	79	183	262
Anambra	7	25	32	14	48	62	20	67	86	28	94	122	38	130	169	52	181	232
Imo	5	21	26	9	39	48	12	55	68	18	78	96	25	110	135	35	154	189
Cross R.	2	12	14	13	24	37	15	31	51	27	44	71	38	56	98	49	87	136
Abia	12	15	27	23	28	52	32	38	70	44	55	109	60	76	137	81	108	189
Akwalogo	0	23	23	0	44	44	0	77	77	0	102	102	0	135	135	0	166	166
Rivers	0	44	44	0	85	85	0	118	118	0	165	165	0	236	236	0	319	319
Sub Total	43	166	208	82	316	398	115	454	568	159	633	792	219	880	1,099	296	1,198	1,494
Nationwi	502	814	1,316	981	1,082	2,063	1,314	1,448	2,782	1,850	2,079	3,879	2,587	2,808	5,386	3,454	3,932	7,386

TABLE 6.19

PROJECTED ANNUAL RAW WATER DEMAND IN 2020 ON HA BASIS

(Unit: 10⁶ cu-m)

	Urban			Rural			Total				Urban			Rural			Total		
	SW	GW	T	SW	GW	T	SW	GW	T		SW	GW	T	SW	GW	T	SW	GW	T
HA-1										HA-5									
101	5.5	0.4	5.9	0.0	4.5	4.5	5.5	4.9	10.4	501	26.6	34.5	61.1	0.0	23.6	23.6	26.6	58.1	84.7
102	4.5	15.1	19.6	0.0	18.8	18.8	4.5	33.9	38.4	502	14.8	39.6	54.4	0.0	41.5	41.5	14.8	81.1	95.9
103	12.6	10.6	23.2	0.0	12.8	12.8	12.6	23.4	36.0	503	11.0	37.8	48.8	2.6	14.1	16.7	13.6	51.9	65.5
104	11.0	8.6	19.6	0.0	19.5	19.5	11.0	28.1	39.1	504	51.9	166.4	218.3	2.0	53.8	55.8	53.9	220.2	274.1
105	33.8	13.6	47.4	0.0	15.0	15.0	33.8	28.6	62.4	505	0.0	249.4	249.4	0.0	67.8	67.8	0.0	317.2	317.2
106	6.9	14.0	20.9	0.0	17.7	17.7	6.9	31.7	38.6		104.3	527.7	632.0	4.6	200.8	205.4	108.9	728.5	837.4
107	0.0	3.3	3.3	0.0	9.7	9.7	0.0	18.0	18.0	HA-6									
108	36.2	15.6	51.8	0.0	30.3	30.3	36.2	45.9	82.1	601	0.8	0.3	1.1	0.0	5.1	5.1	0.8	5.4	6.2
109	0.0	5.1	5.1	0.0	8.4	8.4	0.0	13.5	13.5	602	104.0	58.8	162.8	4.4	45.5	49.9	108.4	104.3	212.7
110	6.7	2.2	8.9	0.0	9.8	9.8	6.7	12.0	18.7	603	650.4	84.2	734.6	3.5	8.6	10.1	631.9	92.8	724.7
111	14.3	11.6	25.9	0.0	17.5	17.5	14.3	29.1	43.4	604	210.2	79.1	349.3	0.7	14.0	14.7	270.9	93.1	364.0
112	0.0	0.8	0.8	0.0	3.8	3.8	0.0	4.6	4.6	605	80.9	94.8	175.7	2.0	25.1	27.1	82.9	119.9	202.8
113	1.1	1.3	2.4	0.0	7.6	7.6	1.1	8.9	10.0	606	9.2	53.5	62.7	4.0	8.6	12.6	13.2	62.1	75.3
114	1.1	0.3	1.4	0.0	3.0	3.0	1.1	3.3	4.4	607	27.7	32.5	60.2	2.0	24.7	26.7	29.7	57.2	86.9
	133.7	107.5	241.2	0.0	178.4	178.4	133.7	285.9	419.6	608	82.2	59.6	141.8	5.5	21.4	26.9	87.7	81.0	168.7
HA-2										609	330.6	60.9	391.5	1.0	18.6	17.6	331.6	77.5	409.1
201	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	610	58.5	105.1	163.6	0.0	25.3	25.3	58.5	130.4	188.9
202	2.2	2.5	4.7	2.5	4.5	7.0	4.7	7.0	11.7		1854.5	628.8	2283.3	21.1	194.9	216.0	1675.6	823.7	2499.3
203	3.2	0.3	3.5	0.0	7.7	7.7	3.2	8.0	11.2	HA-7									
204	116.4	10.9	127.3	0.0	10.1	10.1	116.4	21.0	137.4	701	3.5	16.7	20.2	0.0	29.9	29.9	3.5	46.6	50.1
205	33.9	27.5	61.4	1.5	17.2	18.7	40.4	44.7	85.1	702	13.1	10.3	23.4	0.0	19.8	19.8	13.1	30.1	43.2
206	0.0	2.0	2.0	0.0	4.2	4.2	0.0	6.2	6.2	703	2.6	85.0	87.6	0.0	40.5	40.5	2.6	125.5	128.1
207	0.0	1.9	1.9	0.0	4.1	4.1	0.0	6.0	6.0	704	85.0	24.1	109.1	0.0	23.4	23.4	85.0	47.5	132.5
208	8.3	1.0	9.3	4.5	7.3	11.8	12.8	8.3	21.1	705	106.3	272.9	379.2	0.0	100.2	100.2	106.3	373.1	479.4
209	26.3	12.8	39.1	0.0	20.3	20.3	26.3	33.1	59.4	706	19.4	30.1	49.5	2.1	22.6	24.7	21.5	52.7	74.2
210	1.9	3.2	5.1	0.0	4.1	4.1	1.9	7.3	9.2	707	15.6	29.6	45.2	0.0	8.7	8.7	15.6	38.3	53.9
211	104.4	15.1	119.5	0.0	17.1	17.1	104.4	32.2	136.6		245.5	468.7	714.2	2.1	245.1	247.2	247.6	713.8	961.4
212	154.1	6.3	160.4	0.0	17.6	17.6	154.1	23.9	178.0	HA-8									
213	0.0	6.2	6.2	0.0	2.1	2.1	0.0	8.3	8.3	801	45.5	40.0	85.5	0.0	31.0	31.0	45.5	71.0	116.5
214	48.5	18.6	67.1	0.0	13.5	13.5	48.5	32.1	80.6	802	7.4	27.7	35.1	0.0	40.1	40.1	7.4	67.8	75.2
215	2.8	1.2	4.0	0.0	2.2	2.2	2.8	3.4	6.2	803	218.6	26.9	245.5	0.0	41.8	41.8	218.6	68.7	287.3
216	63.5	12.6	76.1	0.0	22.5	22.5	63.5	35.1	98.6	804	3.8	9.6	13.4	0.0	26.7	26.7	3.8	36.3	40.1
	510.5	122.1	632.6	8.5	154.5	163.0	519.0	276.6	795.6	805	90.6	12.6	103.2	0.0	27.6	27.6	90.6	40.2	130.8
HA-3										806	4.4	3.8	8.2	0.0	9.3	9.3	4.4	13.1	17.5
301	4.3	8.0	12.3	0.0	14.5	14.5	4.3	22.5	26.8	807	6.3	42.4	48.7	0.0	62.3	62.3	6.3	104.7	111.0
302	30.2	5.9	36.1	0.0	8.4	8.4	30.2	14.9	44.5	808	0.0	9.2	9.2	0.0	10.9	10.9	0.0	20.1	20.1
303	4.5	18.7	23.2	0.0	21.9	21.9	4.5	40.6	45.1	809	0.0	12.0	12.0	0.0	10.9	10.9	0.0	22.9	22.9
304	26.5	10.3	36.8	0.0	31.0	31.0	26.5	41.9	67.8	810	0.0	30.7	30.7	0.0	32.2	32.2	0.0	62.9	62.9
305	0.0	18.7	18.7	0.0	12.5	12.5	0.0	31.2	31.2	811	0.0	2.3	2.3	0.0	1.3	1.3	0.0	4.1	4.1
306	0.0	3.8	3.8	0.0	1.4	1.4	0.0	5.2	5.2	812	0.0	10.0	10.0	0.0	4.1	4.1	0.0	14.1	14.1
307	17.5	11.6	29.1	0.0	12.4	12.4	17.5	24.0	41.5	813	47.9	35.5	83.4	0.0	6.4	6.4	47.9	41.9	89.8
308	0.0	11.9	11.9	0.0	24.4	24.4	0.0	35.3	35.3	814	21.5	16.8	38.3	0.0	11.6	11.6	21.5	28.4	49.9
309	0.0	13.1	13.1	0.0	2.1	2.1	0.0	15.2	15.2	815	0.0	15.2	15.2	0.0	9.3	9.3	0.0	24.5	24.5
310	5.4	2.2	7.6	0.0	15.0	15.0	5.4	17.2	22.6		448.0	235.2	741.2	0.0	325.5	325.5	448.0	620.7	1066.7
311	4.1	0.6	4.7	0.0	22.3	22.3	4.1	22.9	27.0		3417.6	2319.0	5736.6	36.3	1613.4	1649.7	3453.9	3932.4	7386.3
312	0.5	5.9	6.4	0.0	3.8	3.8	0.5	9.7	10.2										
313	0.0	0.4	0.4	0.0	2.1	2.1	0.0	2.5	2.5										
314	5.9	0.0	5.9	0.0	12.2	12.2	5.9	12.2	18.1										
	98.9	111.1	210.0	0.0	184.0	184.0	98.9	295.1	394.0										
HA-4																			
401	20.0	1.6	21.6	0.0	15.4	15.4	20.0	17.0	37.0										
402	1.9	8.2	12.1	0.0	12.6	12.6	1.9	20.8	24.7										
403	11.3	13.4	24.7	0.0	20.8	20.8	11.3	34.2	45.5										
404	19.5	1.7	21.2	0.0	7.1	7.1	19.5	8.8	28.3										
405	11.9	4.8	16.7	0.0	22.3	22.3	11.9	27.1	39.0										
406	51.8	8.8	60.6	0.0	21.0	21.0	51.8	29.8	81.6										
407	15.8	4.5	20.3	0.0	10.6	10.6	15.8	15.1	30.9										
408	30.0	12.9	42.9	0.0	10.7	10.7	30.0	23.6	53.6										
409	0.0	2.0	2.0	0.0	9.7	9.7	0.0	11.7	11.7										
	164.2	57.9	222.1	0.0	130.2	130.2	164.2	188.1	352.3										

TABLE 6.20 (1) PROJECTED DAILY WATER SUPPLY-DEMAND BALANCE FOR URBAN WATER SUPPLY PLAN IN 2000

	Demand			Actual Supply Capa.			Deficit			Improve Capa. by Rehab.			New Proposed Capa.		
	SV MLD	GV MLD	Total MLD	SV MLD	GV MLD	Total MLD	SV MLD	GV MLD	Total MLD	SV MLD	GV MLD	Total MLD	SV MLD	GV MLD	Total MLD
(NW)															
Zebbi	20.53	18.66	39.19	20.15	7.92	28.07	3.58	11.16	14.73	1.78	2.22	4.00	1.79	8.94	10.73
Sokoto	80.82	49.76	130.58	144.60	18.81	163.41	18.90	32.03	50.92	6.10	7.37	13.47	12.80	24.65	37.45
Katsina	66.91	54.67	121.58	48.20	10.64	58.84	26.40	44.52	70.92	14.73	6.14	20.88	11.66	38.38	50.04
Sub total	168.06	123.09	291.15	212.95	37.37	250.32	48.87	87.71	136.58	22.62	15.74	38.36	26.25	71.97	98.22
(NE)															
Kano	211.66	41.95	253.62	142.33	28.76	171.09	86.84	17.90	104.74	59.78	6.99	66.77	27.06	10.91	37.97
Ngawa	3.63	43.41	47.05	1.30	25.47	26.77	2.33	21.20	23.53	0.60	9.26	9.86	1.73	11.94	13.68
Yobe	0.00	26.72	26.72	0.00	15.97	15.97	0.00	15.37	15.37	0.00	4.92	4.92	0.00	10.44	10.44
Borno	47.37	74.96	122.33	23.00	58.36	81.36	24.37	27.05	51.42	24.37	9.91	34.28	0.00	17.14	17.14
Yanchi	25.35	62.52	87.86	28.70	20.19	48.89	0.00	43.68	43.68	0.00	14.43	14.43	0.00	29.25	29.25
Sub total	288.02	249.56	537.58	195.33	148.76	344.09	113.54	125.20	238.74	84.75	45.52	130.26	28.80	79.68	108.48
(CV)															
Adana	244.81	35.31	280.12	231.29	12.46	243.75	67.30	23.71	91.00	37.95	5.83	43.78	29.35	17.88	47.22
Riger	64.95	34.10	99.04	60.82	17.06	77.88	16.41	19.97	36.39	8.95	5.28	14.23	7.46	14.70	22.16
Kwara	112.77	16.31	129.07	83.44	12.78	96.22	51.72	6.58	58.30	26.73	4.77	31.50	24.98	1.81	26.80
Legi	35.56	24.82	60.38	14.97	3.23	18.20	23.14	21.86	45.00	5.13	1.46	6.59	18.01	20.40	38.40
F.C.T	34.57	0.05	34.62	80.00	0.11	80.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub total	492.65	110.58	603.24	470.52	45.64	516.16	158.56	72.12	230.69	78.76	17.34	96.10	79.80	54.78	134.59
(CC)															
Adamawa	60.21	24.31	84.52	43.71	12.35	56.06	19.19	13.82	33.01	11.50	3.91	15.41	7.68	9.91	17.60
Faraba	9.95	26.96	36.91	5.27	2.87	8.14	4.68	24.08	28.77	2.66	2.33	4.99	2.01	21.76	23.77
Plateau	144.38	26.61	170.99	62.30	3.92	66.22	84.83	23.30	108.13	54.34	1.20	55.54	30.48	22.10	52.59
Benue	53.22	23.78	76.98	30.05	0.80	30.85	23.17	22.96	46.13	6.75	0.95	7.70	16.42	22.00	38.42
Sub total	267.76	101.64	369.40	141.33	19.94	161.27	131.87	84.17	216.04	75.26	8.39	83.65	56.61	75.77	132.38
(SW)															
Delta	8.75	122.39	131.14	4.10	36.00	40.10	4.65	88.40	93.05	1.91	14.70	16.61	2.73	73.70	76.44
Edo	54.73	59.93	114.66	49.30	57.69	106.99	14.58	15.35	29.93	13.17	8.67	21.84	1.41	6.69	8.10
Imo	111.95	104.51	216.46	34.74	14.16	48.90	77.23	90.36	167.59	14.19	7.05	21.24	63.04	83.31	146.35
Ison	46.23	107.81	154.04	52.30	5.09	57.39	22.31	102.88	125.19	4.08	2.56	6.65	18.23	100.31	118.54
Iyo	270.17	54.84	325.01	92.45	9.32	101.77	177.88	45.56	223.44	75.75	5.73	81.48	102.13	39.83	141.96
Ngun	94.42	74.72	169.15	67.92	64.22	132.14	32.68	19.35	52.03	16.21	14.71	30.92	16.48	4.63	21.11
agos	932.47	98.72	1031.19	441.87	59.01	500.88	490.81	44.04	534.85	81.83	41.91	123.74	408.98	2.13	411.11
Sub total	1518.72	622.92	2141.64	742.68	245.39	988.07	820.14	405.34	1226.08	207.15	95.31	302.48	612.99	310.60	923.59
(SE)															
Enugu	71.33	103.33	174.66	91.25	29.02	120.27	0.00	74.51	74.51	0.00	12.16	12.16	0.00	62.35	62.35
Anambra	44.65	113.03	157.68	11.47	16.20	27.67	33.18	96.83	130.01	8.37	17.92	26.29	24.81	78.91	103.72
Imo	29.69	92.00	121.68	27.31	60.72	88.06	4.96	34.94	39.90	0.59	13.31	13.90	4.37	21.63	26.00
Cross River	40.75	36.66	77.41	10.10	7.80	17.90	30.65	28.54	59.19	5.82	11.10	16.92	24.83	17.44	42.26
Abia	70.67	52.40	123.08	45.52	18.90	64.42	38.79	36.67	75.47	4.72	5.23	9.95	34.07	31.44	65.52
Akwalbon	0.00	93.96	93.96	0.00	33.82	33.82	0.00	61.59	61.59	0.00	25.71	25.71	0.00	35.88	35.88
River	0.00	205.34	205.34	0.00	26.65	26.65	0.00	178.69	178.69	0.00	12.78	12.78	0.00	165.90	165.90
Sub total	257.09	696.71	953.80	185.68	193.12	378.80	107.58	511.77	619.35	19.50	98.21	117.71	88.08	413.56	501.64
Total	2992.30	1904.50	4896.80	1948.49	650.21	2638.70	1380.56	1286.91	2667.47	488.04	280.53	768.57	892.53	1006.37	1898.90

TABLE 6.20 (2) PROJECTED DAILY WATER SUPPLY-DEMAND BALANCE FOR RURAL WATER SUPPLY PLAN IN 2000

	Demand			Actual Supply Capa.			Deficit			Improve Capa. by Rehab.			New Proposed Capa.		
	SV MLD	GW MLD	Total MLD	SV MLD	GW MLD	Total MLD	SV MLD	GW MLD	Total MLD	SV MLD	GW MLD	Total MLD	SV MLD	GW MLD	Total MLD
(NW)															
Kelbi	0.00	46.08	46.08	0.00	5.98	5.98	0.00	40.10	40.10	0.00	1.98	1.98	0.00	38.12	38.12
Sokoto	0.00	83.11	83.11	0.00	12.40	12.40	0.00	70.71	70.71	0.00	4.43	4.43	0.00	66.28	66.28
Katsina	0.00	70.39	70.39	0.00	6.03	6.03	0.00	64.37	64.37	0.00	2.30	2.30	0.00	62.06	62.06
Sub total	0.00	199.58	199.58	0.00	24.40	24.40	0.00	175.18	175.18	0.00	8.71	8.71	0.00	166.46	166.46
(NE)															
Kano	0.00	100.61	100.61	0.00	4.85	4.85	0.00	95.76	95.76	0.00	2.14	2.14	0.00	93.61	93.61
Higawa	0.00	67.14	67.14	0.00	4.88	4.88	0.00	62.26	62.26	0.00	0.10	0.10	0.00	62.16	62.16
Yobe	0.00	33.94	33.94	0.00	3.82	3.82	0.00	30.12	30.12	0.00	1.31	1.31	0.00	28.81	28.81
Borno	0.00	35.78	35.78	0.00	8.70	8.70	0.00	28.30	28.30	0.00	2.43	2.43	0.00	25.87	25.87
Sauchi	0.00	93.02	93.02	0.00	11.73	11.73	0.00	81.29	81.29	0.00	5.99	5.99	0.00	75.30	75.30
Sub total	0.00	330.50	330.50	0.00	33.99	33.99	0.00	297.73	297.73	0.00	11.97	11.97	0.00	285.76	285.76
(CW)															
Kaduna	0.00	49.29	49.29	0.00	4.16	4.16	0.00	45.13	45.13	0.00	1.83	1.83	0.00	43.29	43.29
Riger	0.00	51.65	51.65	0.00	8.37	8.37	0.00	43.42	43.42	0.00	3.26	3.26	0.00	40.16	40.16
Swara	0.00	21.41	21.41	0.00	2.30	2.30	0.00	19.11	19.11	0.00	1.14	1.14	0.00	17.97	17.97
Kogi	5.79	47.59	53.38	0.60	2.01	2.61	5.19	45.58	50.77	0.30	0.51	0.84	4.89	45.03	49.92
F.C.T	0.00	6.65	6.65	0.00	0.03	0.03	0.00	6.62	6.62	0.00	0.00	0.00	0.00	6.62	6.62
Sub total	5.79	176.59	182.33	0.60	16.88	17.48	5.19	159.85	165.04	0.30	6.78	7.08	4.89	153.07	157.96
(CE)															
Adamawa	0.00	17.33	17.33	0.00	3.87	3.87	0.00	13.46	13.46	0.00	1.45	1.45	0.00	12.01	12.01
Faraba	0.00	41.64	41.64	0.00	4.56	4.56	0.00	37.08	37.08	0.00	1.41	1.41	0.00	35.66	35.66
Plateau	0.00	67.76	67.76	0.00	8.06	8.06	0.00	59.70	59.70	0.00	2.87	2.87	0.00	56.83	56.83
Benue	0.00	79.53	79.53	0.00	4.44	4.44	0.00	75.08	75.08	0.00	0.46	0.46	0.00	74.62	74.62
Sub total	0.00	236.25	236.25	0.00	20.93	20.93	0.00	215.33	215.33	0.00	6.20	6.20	0.00	209.13	209.13
(SW)															
Delta	0.00	38.40	38.40	0.00	1.67	1.67	0.00	36.73	36.73	0.00	1.07	1.07	0.00	35.66	35.66
Imo	4.80	26.32	31.13	2.07	0.12	2.19	2.73	26.20	28.94	0.51	0.05	0.56	2.22	26.15	28.38
Abia	7.02	50.12	57.14	1.03	2.81	3.84	5.99	47.31	53.29	0.27	1.13	1.40	5.72	46.18	51.90
Osun	1.38	21.81	23.18	1.05	4.07	5.12	0.38	17.75	18.13	0.05	1.27	1.32	0.33	16.47	16.81
Oyo	3.10	45.83	48.93	0.50	3.35	3.85	2.60	42.48	45.08	0.06	1.30	1.36	2.54	41.18	43.72
Benue	7.90	19.88	27.78	1.50	3.71	5.21	6.40	16.17	22.57	0.44	1.33	1.77	5.95	14.84	20.80
Imo	0.00	4.78	4.78	0.00	2.22	2.22	0.00	2.56	2.56	0.00	0.86	0.86	0.00	1.70	1.70
Sub total	24.20	207.13	231.33	6.15	17.95	24.10	18.11	189.20	207.30	1.33	7.01	8.34	16.77	182.19	198.96
(SE)															
Anambra	0.00	46.95	46.95	0.00	1.11	1.11	0.00	45.83	45.83	0.00	0.26	0.26	0.00	45.58	45.58
Anambra	0.00	37.31	37.31	0.00	1.42	1.42	0.00	35.88	35.88	0.00	0.42	0.42	0.00	35.46	35.46
Imo	0.00	31.15	31.15	0.00	3.17	3.17	0.00	27.98	27.98	0.00	0.90	0.90	0.00	27.08	27.08
Cross River	0.00	39.80	39.80	0.00	2.14	2.14	0.00	37.66	37.66	0.00	0.74	0.74	0.00	36.92	36.92
Abia	1.87	37.38	39.25	0.26	3.82	4.08	1.61	33.56	35.17	0.14	1.51	1.65	1.47	32.05	33.51
Akwabon	0.00	44.61	44.61	0.00	2.42	2.42	0.00	42.28	42.28	0.00	0.84	0.84	0.00	41.43	41.43
River	0.00	60.99	60.99	0.00	2.87	2.87	0.00	58.12	58.12	0.00	1.42	1.42	0.00	56.69	56.69
Sub total	1.87	298.18	300.05	0.26	16.96	17.22	1.61	281.31	282.92	0.14	6.09	6.23	1.47	275.22	276.69
Total	31.85	1418.23	1450.09	7.01	131.10	138.11	24.90	1318.59	1343.49	1.77	46.76	48.53	23.13	1271.83	1294.96

TABLE 6.20 (3) PROJECTED DAILY WATER SUPPLY-DEMAND BALANCE FOR
TOTAL WATER SUPPLY PLAN IN 2000

	Demand			Actual Supply Capa.			Deficit			Improve Capa. by Rehab.			New Proposed Capa.		
	SV M.D	CY M.D	Total M.D	SV M.D	CY M.D	Total M.D	SV M.D	CY M.D	Total M.D	SV M.D	CY M.D	Total M.D	SV M.D	CY M.D	Total M.D
(NW)															
Ketibl	20.59	64.74	85.33	20.55	19.50	39.95	3.54	51.26	51.84	1.78	4.20	5.98	1.78	47.06	48.85
Sokoto	40.62	132.81	219.49	148.80	31.21	115.41	18.90	102.73	122.63	6.10	11.60	17.90	18.80	90.93	101.75
Katsina	139.83	179.73	318.55	86.40	27.31	123.31	52.79	155.82	206.21	36.42	14.59	51.01	19.39	138.82	152.20
Sub total	201.04	377.28	612.37	255.75	78.02	333.36	75.23	309.81	380.67	44.30	30.40	117.90	49.97	276.81	304.78
(NE)															
Kano	218.84	142.57	356.23	142.33	93.81	178.94	86.84	119.68	200.50	59.78	9.33	69.91	27.06	104.53	131.59
Jigawa	5.49	210.55	114.18	1.30	30.35	31.65	2.33	83.46	85.79	0.60	9.35	9.95	1.73	74.11	75.84
Zobe	0.00	60.66	60.66	0.00	18.78	18.78	0.00	45.89	45.89	0.00	8.24	8.24	0.00	35.25	35.25
Sorno	47.31	110.74	158.11	23.00	17.06	30.06	24.27	55.95	78.72	24.57	12.78	36.71	0.00	43.01	43.01
tsuchi	25.35	155.54	180.89	24.70	31.92	60.62	0.00	124.97	124.97	0.00	20.43	20.43	0.00	104.55	104.55
Sub total	297.00	580.06	816.07	191.33	183.74	375.07	113.54	122.93	536.47	84.95	52.43	142.24	28.80	365.41	394.23
(CV)															
Kaduna	244.81	84.60	329.41	231.29	16.62	247.91	67.30	68.83	136.13	37.95	7.66	45.61	29.55	61.17	90.92
Niger	64.95	85.75	150.70	60.82	25.44	86.26	16.11	62.33	79.80	8.95	6.94	17.49	7.16	54.85	62.32
Yara	112.22	37.71	150.49	83.44	15.00	98.92	51.72	25.69	72.11	16.73	5.91	32.64	24.98	19.78	46.11
Kogi	41.35	72.41	113.76	15.87	5.24	20.81	28.33	67.44	95.17	5.43	2.01	7.44	22.90	65.43	88.33
C. T.	31.57	6.69	38.26	30.60	0.14	30.74	0.00	6.62	6.62	0.00	0.00	0.00	0.00	6.62	6.62
Sub total	495.90	207.17	703.07	421.92	62.52	533.64	162.76	231.37	395.23	79.06	26.54	103.18	84.69	201.64	282.55
(CE)															
Madaya	60.21	31.64	91.85	49.71	16.22	65.93	19.18	57.24	78.47	12.50	5.36	18.86	7.68	51.92	59.60
Faraba	9.95	68.60	78.54	5.27	7.43	12.70	4.68	61.17	69.84	2.66	3.74	6.41	2.01	57.42	59.43
Plalcau	144.34	34.31	178.75	62.30	11.88	74.28	44.83	83.01	167.24	54.34	4.07	58.41	30.48	78.94	109.42
Senue	55.22	103.28	158.50	39.05	5.24	44.29	23.17	99.91	121.21	6.73	1.42	8.15	16.42	96.62	113.05
Sub total	269.72	337.83	607.55	156.33	40.77	197.10	107.07	201.43	401.36	76.26	14.59	89.85	56.61	208.90	282.51
(SW)															
Bella	8.75	160.78	169.53	8.10	12.67	20.77	6.65	325.13	129.78	1.91	45.21	17.69	2.73	109.36	112.09
Ido	59.53	66.25	125.78	51.97	57.72	109.69	17.32	41.55	59.87	13.68	0.71	22.40	9.63	32.94	38.47
Ono	118.91	154.63	273.40	55.77	16.97	72.74	89.22	181.66	220.86	18.46	8.17	26.63	48.15	129.49	188.24
Osun	47.61	129.62	177.23	55.35	9.16	64.51	22.69	120.62	149.37	4.13	3.84	7.97	18.56	166.79	185.35
Oyo	273.27	100.61	373.88	32.85	12.61	45.46	160.46	88.04	268.52	75.81	7.03	82.84	104.67	81.01	185.68
Ogun	102.32	94.60	196.92	69.12	67.92	137.04	39.08	95.92	74.60	18.65	16.05	32.70	22.43	19.47	41.91
Ogbo	932.47	103.50	1035.97	441.87	61.23	503.10	490.81	46.40	537.11	81.83	42.77	124.60	400.98	9.83	412.81
Sub total	1541.92	610.66	2152.58	748.83	265.31	1014.14	830.21	595.14	1633.36	208.48	102.35	310.83	629.76	492.78	1122.55
(SE)															
Enugu	71.33	150.28	221.61	51.25	30.13	81.38	0.00	120.35	120.35	0.00	12.41	12.41	0.00	102.93	107.93
Anambra	44.65	150.36	195.01	11.47	57.62	69.09	33.18	131.72	165.90	8.37	18.34	26.71	24.81	114.38	139.19
Imo	29.69	123.14	152.83	27.34	62.89	90.23	4.16	67.92	67.88	0.59	14.20	14.79	4.97	46.72	55.08
CrossRiver	40.75	76.46	117.21	10.10	9.94	20.04	30.65	66.20	86.85	5.82	11.84	17.66	24.83	54.36	79.19
Abia	12.54	89.28	101.82	15.78	22.72	38.50	10.40	10.23	110.69	1.86	6.74	11.60	35.54	63.49	99.03
Akwabon	0.00	118.57	118.57	0.00	36.24	36.24	0.00	102.87	102.87	0.00	26.54	26.54	0.00	72.32	72.32
River	0.00	266.32	266.32	0.00	29.33	29.33	0.00	236.84	236.84	0.00	14.21	14.21	0.00	222.60	222.60
Sub total	258.95	584.69	843.64	188.59	310.07	498.66	109.19	289.08	902.27	19.64	104.30	123.94	49.56	686.19	715.33
Total	3091.01	3407.40	6498.41	2003.70	631.86	2635.56	1431.86	2450.02	4081.86	514.49	333.64	647.93	517.97	2518.58	3233.95

TABLE 6.20 (4) PROJECTED DAILY WATER SUPPLY-DEMAND BALANCE FOR URBAN WATER SUPPLY PLAN IN 2000

	Demand			Actual Supply Capa.			Deficit			Improve Capa. by Rehab.			New Proposed Capa.		
	SV MCM	GV MCM	Total MCM	SV MCM	GV MCM	Total MCM	SV MCM	GV MCM	Total MCM	SV MCM	GV MCM	Total MCM	SV MCM	GV MCM	Total MCM
(NW)															
Zebbi	6.52	5.92	12.44	6.40	2.51	8.91	1.14	3.54	4.68	0.57	0.71	1.27	0.57	2.84	3.41
Sokoto	25.59	15.79	41.38	15.90	5.97	21.87	6.00	10.16	16.16	1.94	2.34	4.28	4.06	7.83	11.89
Katsina	21.24	17.35	38.59	15.30	3.38	18.68	8.38	14.13	22.51	4.68	1.95	6.63	3.70	12.18	15.88
Sub total	53.34	39.07	92.41	37.59	11.86	49.45	15.51	27.84	43.35	7.18	5.00	12.17	8.33	22.84	31.18
(NE)															
Kano	67.18	13.32	80.50	45.18	9.13	54.30	27.56	5.68	33.24	18.97	2.22	21.19	8.59	3.46	12.05
Ngawa	1.15	13.78	14.93	0.41	8.09	8.50	0.74	6.73	7.47	0.19	2.54	3.13	0.55	3.79	4.31
Yobe	0.00	8.48	8.48	0.00	5.07	5.07	0.00	4.88	4.88	0.00	1.56	1.56	0.00	3.31	3.31
Borno	15.04	23.79	38.83	7.30	18.52	25.82	7.73	8.59	16.32	7.73	3.15	10.88	0.00	5.44	5.44
Yanchi	8.05	19.84	27.89	9.11	6.41	15.52	0.00	13.86	13.86	0.00	4.58	4.58	0.00	9.28	9.28
Sub total	91.42	79.21	170.63	62.00	47.22	109.22	36.04	39.74	75.78	28.90	14.45	43.35	9.14	25.29	34.41
(CY)															
Kaduna	77.70	11.21	88.91	73.41	3.95	77.37	21.38	7.52	28.88	12.05	1.85	13.89	9.31	5.67	14.99
Niger	20.61	10.82	31.44	19.30	5.42	24.72	5.21	6.34	11.55	2.84	1.68	4.52	2.37	4.66	7.03
Kwara	35.79	5.18	40.97	25.48	4.06	30.54	18.41	2.09	18.50	8.48	1.51	10.00	7.93	0.58	8.51
Kogi	11.29	7.88	19.16	4.75	1.02	5.78	7.34	6.94	14.28	1.63	0.46	2.09	5.72	6.47	12.19
F.C.T	10.97	0.02	10.99	25.39	0.04	25.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub total	156.37	35.10	191.47	149.34	14.49	163.83	50.33	22.89	73.22	25.00	5.50	30.50	25.33	17.39	42.72
(CE)															
Manawa	19.11	7.72	26.83	13.87	3.92	17.79	6.09	4.39	10.48	3.65	1.24	4.89	2.44	3.15	5.58
Karaba	3.16	8.55	11.71	1.67	0.91	2.58	1.40	7.65	9.13	0.85	0.74	1.58	0.64	6.91	7.55
Lakeau	45.83	8.45	54.27	19.77	1.24	21.02	26.92	7.40	34.32	17.25	0.38	17.63	9.68	7.02	16.69
Denue	16.89	7.54	24.43	9.54	0.25	9.79	7.36	7.29	14.64	2.14	0.30	2.45	5.21	6.98	12.20
Sub total	84.99	32.26	117.25	44.88	6.33	51.19	41.85	28.71	68.57	23.89	2.66	26.55	17.97	24.05	42.02
(SW)															
Jella	2.78	38.85	41.62	1.30	11.43	12.73	1.48	28.06	29.53	0.61	4.67	5.27	0.87	23.39	24.26
Sio	17.37	19.02	36.39	15.65	18.28	33.93	4.63	4.87	9.50	4.18	2.75	6.93	0.45	2.12	2.57
Indo	35.53	33.17	68.70	11.01	4.49	15.52	24.51	28.68	53.19	4.50	2.24	6.74	20.91	26.44	46.45
Isun	14.67	34.22	48.89	16.60	1.62	18.22	7.08	32.65	39.73	1.30	0.81	2.11	5.78	31.84	37.62
Iyo	85.75	17.41	103.16	29.34	2.94	32.30	58.48	14.46	70.92	24.04	1.82	25.86	32.42	32.64	45.06
Igun	29.97	23.72	53.69	21.58	20.38	41.94	10.37	6.14	16.51	5.14	4.67	9.81	5.23	1.47	6.70
Iagos	295.97	31.33	327.30	140.23	18.71	158.94	155.78	13.98	169.76	25.97	13.30	39.28	129.81	0.68	130.49
Sub total	482.04	197.72	679.76	235.73	77.89	313.61	260.31	128.85	389.16	65.75	30.26	96.01	194.56	98.59	293.15
(SE)															
Angu	22.64	32.80	55.44	28.98	9.21	38.17	0.00	23.65	23.65	0.00	3.86	3.86	0.00	19.79	19.79
Anambra	14.17	35.88	50.05	3.44	5.14	8.78	10.53	30.74	41.27	2.08	5.09	8.35	7.88	25.05	32.92
Imo	9.42	29.20	38.62	8.64	19.27	27.95	1.57	13.09	12.66	0.19	4.22	4.41	1.39	6.87	8.25
Cross River	12.93	11.63	24.57	3.21	2.48	5.68	9.73	9.06	18.79	1.85	3.52	5.37	7.88	5.53	13.41
Abia	22.43	18.63	41.06	14.45	8.00	20.45	12.31	11.84	23.95	1.50	1.66	3.16	10.81	9.98	20.79
Awalbon	0.00	29.82	29.82	0.00	10.73	10.73	0.00	19.55	19.55	0.00	8.16	8.16	0.00	11.39	11.39
River	0.00	65.17	65.17	0.00	8.46	8.46	0.00	50.72	50.72	0.00	4.06	4.06	0.00	52.66	52.66
Sub total	81.60	221.14	302.74	58.93	61.29	120.23	34.15	162.44	199.58	6.19	31.17	37.36	27.96	131.27	159.22
Total	949.76	604.49	1554.24	618.45	219.07	837.52	439.19	408.46	845.66	154.90	89.04	243.94	283.29	319.42	602.71

TABLE 6.20 (5) PROJECTED DAILY WATER SUPPLY-DEMAND BALANCE FOR
RURAL WATER SUPPLY PLAN IN 2000

	Demand			Actual Supply Capa.			Deficit			Improve Capa. by Rehab.			New Proposed Capa.		
	SW MCM	GW MCM	Total MCM	SW MCM	GW MCM	Total MCM	SW MCM	GW MCM	Total MCM	SW MCM	GW MCM	Total MCM	SW MCM	GW MCM	Total MCM
(NW)															
Kebbi	0.00	14.63	14.63	0.00	1.90	1.90	0.00	12.73	12.73	0.00	0.63	0.63	0.00	12.10	12.10
Sokoto	0.00	26.38	26.38	0.00	3.94	3.94	0.00	22.44	22.44	0.00	1.41	1.41	0.00	21.04	21.04
Katsina	0.00	22.34	22.34	0.00	1.91	1.91	0.00	20.43	20.43	0.00	0.73	0.73	0.00	19.70	19.70
Sub total	0.00	63.35	63.35	0.00	7.75	7.75	0.00	55.60	55.60	0.00	2.77	2.77	0.00	52.83	52.83
(NE)															
Kano	0.00	31.93	31.93	0.00	1.54	1.54	0.00	30.39	30.39	0.00	0.68	0.68	0.00	29.71	29.71
Jigawa	0.00	21.31	21.31	0.00	1.55	1.55	0.00	19.76	19.76	0.00	0.03	0.03	0.00	19.73	19.73
Zobe	0.00	10.77	10.77	0.00	1.21	1.21	0.00	9.56	9.56	0.00	0.42	0.42	0.00	9.14	9.14
Borno	0.00	11.36	11.36	0.00	2.76	2.76	0.00	8.98	8.98	0.00	0.77	0.77	0.00	8.21	8.21
Yauki	0.00	29.53	29.53	0.00	3.72	3.72	0.00	25.80	25.80	0.00	1.90	1.90	0.00	23.90	23.90
Sub total	0.00	104.90	104.90	0.00	10.79	10.79	0.00	94.50	94.50	0.00	3.80	3.80	0.00	90.70	90.70
(CY)															
Kaduna	0.00	15.64	15.64	0.00	1.32	1.32	0.00	14.32	14.32	0.00	0.58	0.58	0.00	13.74	13.74
Niger	0.00	16.39	16.39	0.00	2.66	2.66	0.00	13.78	13.78	0.00	1.04	1.04	0.00	12.75	12.75
Kwara	0.00	6.79	6.79	0.00	0.73	0.73	0.00	6.06	6.06	0.00	0.36	0.36	0.00	5.70	5.70
Zogi	1.84	15.11	16.94	0.19	0.64	0.83	1.65	14.47	16.11	0.10	0.17	0.27	1.55	14.29	15.85
F.C.T	0.00	2.11	2.11	0.00	0.01	0.01	0.00	2.10	2.10	0.00	0.00	0.00	0.00	2.10	2.10
Sub total	1.84	56.05	57.89	0.19	5.36	5.55	1.65	50.74	52.38	0.10	2.15	2.25	1.55	48.58	50.14
(CE)															
Adamawa	0.00	15.02	15.02	0.00	1.23	1.23	0.00	13.79	13.79	0.00	0.46	0.46	0.00	13.33	13.33
Faraba	0.00	13.22	13.22	0.00	1.45	1.45	0.00	11.77	11.77	0.00	0.45	0.45	0.00	11.32	11.32
Plateau	0.00	21.51	21.51	0.00	2.56	2.56	0.00	18.95	18.95	0.00	0.91	0.91	0.00	18.04	18.04
Benue	0.00	25.24	25.24	0.00	1.41	1.41	0.00	23.83	23.83	0.00	0.15	0.15	0.00	23.69	23.69
Sub total	0.00	74.99	74.99	0.00	6.64	6.64	0.00	68.34	68.34	0.00	1.97	1.97	0.00	66.38	66.38
(SW)															
Delta	0.00	12.19	12.19	0.00	0.53	0.53	0.00	11.66	11.66	0.00	0.34	0.34	0.00	11.32	11.32
Rio	1.52	8.35	9.88	0.66	0.04	0.70	0.87	8.32	9.18	0.16	0.02	0.18	0.71	8.30	9.01
Imo	2.23	15.91	18.14	0.33	0.89	1.22	1.90	15.02	16.91	0.09	0.36	0.44	1.81	14.66	16.47
Anson	0.44	6.92	7.36	0.33	1.29	1.63	0.12	5.63	5.76	0.02	0.40	0.42	0.11	5.23	5.33
Oyo	0.99	14.54	15.53	0.16	1.06	1.22	0.83	13.48	14.31	0.02	0.41	0.43	0.81	13.07	13.88
Ogun	2.51	6.31	8.82	0.48	1.18	1.65	2.03	5.13	7.16	0.14	0.42	0.56	1.89	4.71	6.60
Lagos	0.00	1.52	1.52	0.00	0.70	0.70	0.00	0.81	0.81	0.00	0.27	0.27	0.00	0.54	0.54
Sub total	7.68	65.74	73.42	1.95	5.70	7.65	5.75	60.05	65.80	0.42	2.22	2.65	5.32	57.83	63.15
(SE)															
Enugu	0.00	14.90	14.90	0.00	0.35	0.35	0.00	14.55	14.55	0.00	0.08	0.08	0.00	14.47	14.47
Anambra	0.00	11.84	11.84	0.00	0.45	0.45	0.00	11.39	11.39	0.00	0.13	0.13	0.00	11.26	11.26
Imo	0.00	9.89	9.89	0.00	1.01	1.01	0.00	8.88	8.88	0.00	0.28	0.28	0.00	8.60	8.60
Cross River	0.00	12.63	12.63	0.00	0.68	0.68	0.00	11.95	11.95	0.00	0.23	0.23	0.00	11.72	11.72
Abia	0.59	11.87	12.46	0.08	1.21	1.30	0.51	10.65	11.16	0.01	0.48	0.53	0.47	10.17	10.64
Akwabon	0.00	14.16	14.16	0.00	0.77	0.77	0.00	13.42	13.42	0.00	0.27	0.27	0.00	13.15	13.15
River	0.00	19.36	19.36	0.00	0.91	0.91	0.00	18.45	18.45	0.00	0.45	0.45	0.00	17.99	17.99
Sub total	0.59	94.64	95.24	0.08	5.38	5.46	0.51	89.29	89.80	0.04	1.93	1.98	0.47	87.56	87.82
Total	10.11	459.67	469.78	2.22	41.61	43.84	7.90	418.52	426.42	0.56	14.84	15.40	7.34	403.68	411.02

TABLE 6.20 (6) PROJECTED DAILY WATER SUPPLY-DEMAND BALANCE FOR
TOTAL WATER SUPPLY PLAN IN 2000

	Demand			Actual Supply Capa.			Deficit			Improve Capa. by Rehab.			New Proposed Capa.		
	SY MCM	GY MCM	Total MCM	SY MCM	GY MCM	Total MCM	SY MCM	GY MCM	Total MCM	SY MCM	GY MCM	Total MCM	SY MCM	GY MCM	Total MCM
(NY)															
Kebbi	6.5	20.5	27.1	6.4	6.4	19.8	1.1	16.3	17.4	0.6	1.2	1.9	0.6	14.9	15.5
Sokoto	25.8	17.2	43.0	45.9	9.9	55.8	6.0	32.0	38.0	1.9	9.1	9.7	6.1	28.9	35.0
Katsina	47.5	57.0	104.5	30.6	6.7	37.3	16.4	48.7	65.1	12.5	1.6	17.1	4.2	41.1	45.3
Sub total	79.8	114.7	194.5	82.9	23.0	105.9	23.5	97.0	120.5	15.0	9.7	24.7	10.9	84.9	95.8
(NE)															
Kano	67.1	45.3	112.4	45.2	10.7	55.9	17.4	36.1	53.5	19.0	2.1	21.1	0.6	33.2	33.8
Jigawa	1.2	15.1	16.3	0.4	9.8	10.2	0.7	29.5	30.2	0.2	3.0	3.2	0.6	23.5	24.1
Yobe	0.0	19.9	19.9	0.0	6.3	6.3	0.0	11.5	11.5	0.0	2.0	2.0	0.0	17.5	17.5
Borno	15.0	35.1	50.1	7.9	21.9	29.8	7.1	17.4	24.5	7.7	3.9	11.6	0.0	13.7	13.7
Bauchi	6.0	49.4	55.4	9.1	10.1	19.2	0.0	39.7	39.7	0.0	6.5	6.5	0.0	33.2	33.2
Sub total	91.4	184.1	275.5	62.6	58.8	121.4	25.1	134.7	159.8	26.9	18.2	45.1	11.2	116.0	127.2
(CY)															
Kaduna	77.7	26.9	104.6	73.1	5.9	79.0	21.4	21.4	42.8	12.0	2.4	14.4	1.9	19.4	21.3
Kogi	20.6	27.2	47.8	19.9	6.1	26.0	5.2	20.1	25.3	2.8	2.1	5.0	2.4	17.4	19.8
Kwara	35.8	12.0	47.8	26.5	1.8	28.3	16.4	1.2	17.6	6.5	1.9	10.4	7.9	6.3	14.2
Kogi	12.1	23.0	35.1	4.9	1.3	6.2	8.0	21.4	29.4	1.7	0.6	2.3	7.3	20.4	27.7
F.C.T	11.0	2.1	13.1	25.4	0.0	25.4	0.0	2.1	2.1	0.0	0.0	0.0	0.0	2.1	2.1
Sub total	157.2	91.1	248.3	149.9	19.0	168.9	62.0	74.6	136.6	25.1	7.1	32.2	26.9	66.0	92.9
(CE)															
Adamawa	19.1	22.7	41.8	19.9	5.1	25.0	6.1	18.2	24.3	9.7	1.7	5.4	2.4	19.5	21.9
Faraba	3.2	21.8	25.0	1.7	2.4	4.1	1.5	19.4	20.9	0.8	1.2	2.0	0.6	18.2	18.8
Plateau	15.8	30.0	45.8	19.4	3.8	23.2	16.9	26.9	43.8	17.2	1.9	19.1	2.1	25.1	27.2
Imo	16.9	12.8	29.7	9.5	1.7	11.2	7.4	31.1	38.5	2.1	0.4	2.5	5.2	30.7	35.9
Sub total	65.0	107.3	172.3	60.6	13.0	73.6	31.9	75.6	107.5	29.8	4.4	34.2	10.0	90.6	100.6
(SW)															
Delta	2.8	51.0	53.8	1.3	12.0	13.3	1.5	39.7	41.2	0.6	5.0	5.6	0.9	21.7	22.6
Edo	15.9	21.1	37.0	16.9	16.9	33.8	5.6	19.2	24.8	1.9	2.8	7.1	1.2	10.4	11.6
Imo	37.8	19.1	56.9	11.4	6.4	17.8	26.4	13.7	40.1	4.6	2.6	7.2	21.4	41.1	62.5
Osun	15.1	11.1	26.2	16.9	7.9	24.8	1.2	19.9	21.1	1.9	1.2	2.5	5.9	37.1	43.0
Oyo	88.7	12.0	100.7	29.5	1.0	30.5	17.1	27.9	45.0	21.1	1.2	26.3	33.2	25.7	58.9
Ogun	12.5	10.0	22.5	22.0	21.6	43.6	12.4	11.9	24.3	5.9	1.1	10.0	7.1	6.2	13.3
Rivers	296.0	38.9	334.9	140.2	19.4	159.6	166.8	11.4	178.2	26.0	13.6	39.6	429.4	1.2	430.6
Sub total	489.7	243.5	733.2	237.1	80.6	317.7	269.1	108.9	378.0	66.2	32.5	98.7	189.9	156.4	346.3
(SE)															
Anambra	22.4	47.7	70.1	29.0	6.4	35.4	0.0	31.2	31.2	0.0	3.9	3.9	0.0	36.3	36.3
Anambra	11.2	47.7	58.9	9.4	5.6	15.0	10.1	42.1	52.2	1.1	5.8	6.9	7.9	38.3	46.2
Imo	9.4	18.1	27.5	8.7	20.9	29.6	1.4	20.0	21.4	0.2	4.5	4.7	1.4	15.5	16.9
Cross River	12.9	14.2	27.1	1.1	3.2	4.3	9.1	21.0	30.1	1.4	1.4	5.6	7.9	17.1	25.0
Abia	23.0	28.5	51.5	14.5	7.2	21.7	12.8	22.3	35.1	1.5	2.1	3.7	11.9	20.2	32.1
Abia	0.0	44.0	44.0	0.0	13.5	13.5	0.0	33.0	33.0	0.0	8.4	8.4	0.0	21.5	21.5
Imo	0.0	84.5	84.5	0.0	2.1	2.1	0.0	35.2	35.2	0.0	1.9	1.9	0.0	70.1	70.1
Sub total	82.2	315.8	398.0	59.0	46.7	105.7	34.7	251.1	285.8	6.2	31.1	37.3	26.1	216.6	242.7
Total	981.1	1081.5	2062.6	636.0	184.1	820.1	554.5	811.1	1365.6	143.9	195.4	339.3	296.2	735.3	1031.5

TABLE 6.20 (7) PROJECTED DAILY WATER SUPPLY-DEMAND BALANCE FOR URBAN WATER SUPPLY PLAN IN 2020

EGA	Demand			Actual Supply Capa.			Deficit			Improve Capa. by Rehab.			New Proposed Capa.		
	SW	GW	Total	SW	GW	Total	SW	GW	Total	SW	GW	Total	SW	GW	Total
	MLD	MLD	MLD	MLD	MLD	MLD	MLD	MLD	MLD	MLD	MLD	MLD	MLD	MLD	MLD
(NW)															
Kebbi	71.95	68.90	140.85	20.15	7.92	28.07	51.80	60.98	112.78	9.17	4.33	13.50	42.63	56.65	99.28
Sokoto	268.53	182.25	450.78	144.60	18.81	163.41	134.92	163.58	298.50	44.47	12.04	56.51	90.45	151.54	241.99
Katsina	222.96	195.31	418.27	48.20	10.64	58.84	174.76	184.67	359.43	34.23	7.58	41.81	140.53	177.09	317.62
Sub total	563.44	446.46	1009.90	212.95	37.37	250.32	361.48	409.23	770.71	87.87	23.95	111.82	273.61	385.28	658.89
(NE)															
Fano	685.48	151.08	836.57	142.33	28.76	171.09	549.95	123.18	673.13	75.88	19.13	95.01	474.07	104.05	578.12
Oigawa	13.78	158.71	172.49	1.30	25.47	26.77	12.48	133.23	145.71	0.60	18.88	19.48	11.88	114.35	126.23
Yobe	0.00	92.16	92.16	0.00	15.97	15.97	0.00	76.77	76.77	0.00	5.75	5.75	0.00	71.02	71.02
Borno	150.86	263.83	414.69	23.00	58.36	81.36	127.86	205.47	333.33	44.00	39.86	83.86	83.86	165.61	249.47
Bauchi	83.63	227.71	311.34	28.70	20.19	48.89	54.93	207.52	262.45	16.80	19.99	36.79	38.13	187.53	225.66
Sub total	933.75	893.49	1827.24	195.33	148.76	344.09	745.22	746.17	1491.39	137.28	103.61	240.89	607.94	642.56	1250.50
(CW)															
Kaduna	973.20	156.53	1129.74	231.29	12.46	243.75	741.91	144.07	885.98	69.45	9.00	78.45	672.46	135.07	807.53
Niger	263.65	148.45	412.10	60.82	17.06	77.88	203.88	132.71	336.59	24.78	9.86	34.64	179.10	122.85	301.95
Kwara	430.95	65.37	496.31	83.44	12.78	96.22	347.51	52.59	400.10	45.46	8.95	54.41	302.05	43.64	345.69
Kogi	146.22	106.28	252.49	14.97	3.23	18.20	131.25	103.05	234.30	6.47	1.58	8.05	124.78	101.47	226.25
F.C.T	131.58	0.18	131.76	80.00	0.11	80.11	51.58	0.07	51.65	40.00	0.07	40.07	11.58	0.00	11.58
Sub total	1945.60	477.81	2423.41	470.52	45.64	516.16	1476.13	432.49	1908.62	186.16	29.46	215.62	1289.97	403.03	1693.00
(CE)															
Adamawa	248.87	105.51	354.38	43.71	12.35	56.06	205.16	93.16	298.32	46.80	7.50	54.30	153.36	85.66	244.02
Taraba	42.19	109.67	151.86	5.27	2.87	8.14	36.92	106.80	143.72	3.44	2.33	5.77	33.48	104.47	137.95
Plateau	571.53	113.64	685.17	62.30	3.92	66.22	509.23	109.72	618.95	82.27	1.96	84.23	426.96	107.76	534.72
Benue	211.49	106.81	318.30	30.05	0.80	30.85	181.44	166.01	267.45	6.75	1.04	7.79	174.69	104.97	279.66
Sub total	1074.08	435.62	1509.70	141.33	19.94	161.27	932.75	415.69	1348.44	139.26	12.83	152.09	793.49	402.86	1196.35
(SW)															
Delta	33.36	461.68	495.04	4.10	36.00	40.10	29.26	425.68	454.94	1.95	17.60	19.55	27.31	408.08	435.39
Edo	203.38	231.59	434.97	49.30	57.60	106.90	154.08	173.99	328.07	23.43	35.81	59.24	130.65	138.18	268.83
Ondo	409.15	393.85	803.00	34.74	14.16	48.90	374.41	379.70	754.10	24.36	8.49	32.85	350.05	371.21	721.27
Dsun	195.15	394.34	589.49	52.30	5.09	57.39	142.85	389.24	532.10	27.86	2.68	30.54	114.99	386.56	501.56
Oyo	934.42	205.04	1139.46	92.45	9.32	101.77	841.97	195.72	1037.69	79.59	6.03	85.62	762.38	189.69	952.07
Ogun	346.37	299.27	645.64	67.92	64.22	132.14	278.45	235.05	513.50	27.76	42.64	70.40	250.69	192.41	443.10
Lagos	3202.44	345.84	3548.28	441.87	59.01	500.88	2760.57	286.84	3047.41	83.43	129.06	212.49	2677.14	157.78	2834.92
Sub total	5324.27	2331.62	7655.89	742.68	245.39	988.07	4581.59	2086.22	6667.81	268.38	242.31	510.69	4313.21	1843.91	6157.12
(SE)															
Enugu	248.71	409.96	658.66	91.25	29.02	120.27	157.46	380.93	538.39	32.07	25.52	57.59	125.39	355.41	480.80
Anambra	163.66	437.21	600.87	11.47	16.20	27.67	152.19	421.01	573.20	10.10	17.92	28.02	142.09	403.09	545.18
Imo	109.42	374.84	484.26	27.34	60.72	88.06	82.08	314.12	396.20	9.34	42.24	51.58	72.74	271.88	344.62
Cross River	154.80	136.21	291.01	10.10	7.80	17.90	144.70	128.41	273.11	9.16	11.10	20.26	135.54	117.31	252.85
Abia	249.79	207.24	457.04	45.52	18.90	64.42	204.27	188.34	392.61	12.08	9.45	21.53	192.19	178.89	371.08
Akwabom	0.00	366.56	366.56	0.00	33.82	33.82	0.00	332.74	332.74	0.00	43.93	43.93	0.00	288.81	288.81
River	0.00	790.93	790.93	0.00	26.65	26.65	0.00	764.28	764.28	0.00	13.25	13.25	0.00	751.03	751.03
Sub total	926.38	2722.95	3649.33	185.63	193.12	378.80	740.70	2529.83	3270.53	72.75	163.41	236.16	667.95	2366.42	3034.37
Total	10787.52	7307.95	18095.47	1948.49	690.21	2638.70	8637.87	6619.63	15456.20	891.70	575.57	1467.27	7916.17	6044.06	13990.23

TABLE 6.20 (8) PROJECTED DAILY WATER SUPPLY-DEMAND BALANCE FOR RURAL WATER SUPPLY PLAN IN 2020

	Demand			Actual Supply Capa.			Deficit			Improve Capa. by Rehab.			New Proposed Capa.		
	SW MLD	GW MLD	Total MLD	SW MLD	GW MLD	Total MLD	SW MLD	GW MLD	Total MLD	SW MLD	GW MLD	Total MLD	SW MLD	GW MLD	Total MLD
(NW)															
Kebbi	0.00	147.81	147.81	0.00	5.98	5.98	0.00	141.84	141.84	0.00	1.98	1.98	0.00	139.86	139.86
Sokoto	0.00	266.59	266.59	0.00	12.40	12.40	0.00	254.19	254.19	0.00	5.16	5.16	0.00	249.03	249.03
Zalsina	0.00	225.81	225.81	0.00	6.03	6.03	0.00	219.79	219.79	0.00	2.30	2.30	0.00	217.48	217.48
Sub total	0.00	640.21	640.21	0.00	24.40	24.40	0.00	615.81	615.81	0.00	9.45	9.45	0.00	606.36	606.36
(NE)															
Kano	0.00	325.54	325.54	0.00	4.85	4.85	0.00	320.69	320.69	0.00	2.14	2.14	0.00	318.55	318.55
Jigawa	0.00	217.23	217.23	0.00	4.88	4.88	0.00	212.36	212.36	0.00	0.10	0.10	0.00	212.26	212.26
Kobe	0.00	109.83	109.83	0.00	3.82	3.82	0.00	106.01	106.01	0.00	1.31	1.31	0.00	104.70	104.70
Borno	0.00	115.77	115.77	0.00	8.70	8.70	0.00	107.07	107.07	0.00	5.16	5.16	0.00	101.90	101.90
Bauchi	0.00	300.99	300.99	0.00	11.73	11.73	0.00	289.26	289.26	0.00	6.10	6.10	0.00	283.16	283.16
Sub total	0.00	1069.37	1069.37	0.00	33.99	33.99	0.00	1035.38	1035.38	0.00	14.82	14.82	0.00	1020.57	1020.57
(CW)															
Carlana	0.00	190.39	190.39	0.00	4.16	4.16	0.00	186.23	186.23	0.00	1.83	1.83	0.00	184.40	184.40
Riger	0.00	199.53	199.53	0.00	8.37	8.37	0.00	191.16	191.16	0.00	3.78	3.78	0.00	187.38	187.38
Nwara	0.00	82.69	82.69	0.00	2.30	2.30	0.00	80.39	80.39	0.00	1.14	1.14	0.00	79.26	79.26
Engi	22.37	183.84	206.21	0.60	2.01	2.61	21.77	181.83	203.60	0.30	0.54	0.84	21.47	181.28	202.75
F.C.T	0.00	25.67	25.67	0.00	0.03	0.03	0.00	25.64	25.64	0.00	0.00	0.00	0.00	25.64	25.64
Sub total	22.37	682.13	704.50	0.60	16.88	17.48	21.77	665.26	687.03	0.30	7.30	7.60	21.47	657.96	679.43
(CE)															
Adamawa	0.00	182.16	182.16	0.00	3.87	3.87	0.00	178.29	178.29	0.00	1.45	1.45	0.00	176.84	176.84
Faraba	0.00	160.16	160.16	0.00	4.56	4.56	0.00	155.60	155.60	0.00	3.07	3.07	0.00	152.53	152.53
Ntalcau	0.00	260.70	260.70	0.00	8.06	8.06	0.00	252.64	252.64	0.00	2.87	2.87	0.00	249.77	249.77
Denue	0.00	306.00	306.00	0.00	4.44	4.44	0.00	301.56	301.56	0.00	0.46	0.46	0.00	301.09	301.09
Sub total	0.00	909.02	909.02	0.00	20.93	20.93	0.00	888.09	888.09	0.00	7.85	7.85	0.00	880.24	880.24
(SW)															
Delta	0.00	135.44	135.44	0.00	1.67	1.67	0.00	133.77	133.77	0.00	1.07	1.07	0.00	132.70	132.70
Edo	16.94	92.84	109.79	2.07	0.12	2.19	14.87	92.72	107.60	0.57	0.05	0.62	14.30	92.68	106.98
Ondo	24.75	176.78	201.53	1.03	2.81	3.84	23.72	173.97	197.63	0.27	1.13	1.40	23.45	172.84	196.29
Osun	4.85	76.92	81.77	1.05	4.07	5.12	3.89	72.85	76.65	0.34	1.32	1.66	3.46	71.53	75.00
Oyo	10.95	161.63	172.58	0.50	3.35	3.85	10.45	158.29	168.74	0.06	1.30	1.36	10.39	156.99	167.38
Rgun	27.85	70.12	97.97	1.50	3.71	5.21	26.35	66.41	92.76	0.52	2.16	2.68	25.83	64.25	90.08
Sagos	0.00	16.86	16.86	0.00	2.22	2.22	0.00	14.64	14.64	0.00	0.86	0.86	0.00	13.78	13.78
Sub total	85.35	730.60	815.95	6.15	17.95	24.10	79.20	712.65	791.85	1.76	7.89	9.64	77.44	701.77	782.21
(SE)															
Enugu	0.00	165.58	165.58	0.00	1.11	1.11	0.00	164.47	164.47	0.00	0.26	0.26	0.00	164.21	164.21
Anambra	0.00	131.58	131.58	0.00	1.42	1.42	0.00	130.15	130.15	0.00	0.42	0.42	0.00	129.74	129.74
Imo	0.00	109.86	109.86	0.00	3.17	3.17	0.00	106.69	106.69	0.00	0.90	0.90	0.00	105.79	105.79
Cross River	0.00	140.37	140.37	0.00	2.14	2.14	0.00	138.23	138.23	0.00	0.74	0.74	0.00	137.50	137.50
Abia	6.58	131.85	138.43	0.26	3.82	4.08	6.32	128.02	134.34	0.14	1.51	1.65	6.18	126.51	132.69
Akwabom	0.00	157.35	157.35	0.00	2.42	2.42	0.00	155.01	155.01	0.00	0.84	0.84	0.00	154.17	154.17
River	0.00	215.10	215.10	0.00	2.87	2.87	0.00	212.23	212.23	0.00	1.42	1.42	0.00	210.81	210.81
Sub total	6.58	1051.68	1058.26	0.26	16.96	17.22	6.32	1034.81	1041.13	0.14	6.09	6.23	6.18	1028.72	1034.90
Total	114.30	5083.01	5197.31	7.01	131.10	138.11	107.29	4952.00	5059.28	2.20	53.38	55.58	105.09	4898.62	5003.71

**TABLE 6.20 (9) PROJECTED DAILY WATER SUPPLY-DEMAND BALANCE FOR
TOTAL WATER SUPPLY PLAN IN 2020**

LGA	Legend			Actual Supply Capa			Deficit			Improve Capa by Rehab.			New Proposed Capa		
	SW	GW	Total	SW	GW	Total	SW	GW	Total	SW	GW	Total	SW	GW	Total
	M/D	M/D	M/D	M/D	M/D	M/D	M/D	M/D	M/D	M/D	M/D	M/D	M/D	M/D	M/D
(NW)															
Ibbi	71.95	216.71	288.67	20.15	13.90	34.05	51.80	202.02	254.62	9.17	6.31	15.48	42.63	196.50	239.14
Sokoto	268.53	448.84	717.37	144.60	31.21	175.81	134.92	417.77	552.69	44.47	17.21	61.68	90.45	450.57	491.01
Natsina	222.96	421.12	644.08	48.20	16.67	64.87	174.76	404.45	579.21	34.23	9.89	44.11	140.53	394.57	535.10
Sub total	563.44	1086.67	1650.11	212.95	61.77	274.72	361.49	1025.04	1366.52	87.87	33.41	121.27	273.62	991.64	1265.25
(NE)															
Kano	685.48	476.63	1162.11	142.33	33.61	175.94	549.95	443.87	993.82	75.88	21.27	97.15	474.07	422.60	896.67
Zigawa	13.78	375.94	389.72	1.30	30.35	31.65	12.48	345.59	358.07	0.60	18.98	19.58	11.88	326.61	338.49
Kobe	0.00	201.93	201.93	0.00	19.79	19.79	0.00	182.78	182.78	0.00	7.06	7.06	0.00	175.72	175.72
Borno	150.86	379.60	530.46	23.60	67.06	90.66	127.86	312.54	440.40	44.00	45.03	89.03	83.86	267.51	351.37
Bauchi	83.63	528.70	612.33	28.70	31.92	60.62	54.93	496.78	551.71	16.80	26.09	42.89	38.13	470.69	508.82
Sub total	933.75	1962.86	2896.61	195.33	182.74	378.07	745.23	1781.56	2526.77	137.28	118.42	255.70	607.95	1663.12	2271.07
(CW)															
Adama	973.20	346.93	1320.13	231.29	16.62	247.91	741.91	330.30	1072.22	63.45	10.83	80.28	672.46	319.47	991.93
Niger	269.65	348.98	618.63	60.82	25.44	86.26	203.88	323.87	527.75	24.78	13.65	38.43	179.10	310.22	489.33
Nasar	430.95	148.06	579.01	83.44	15.08	98.52	347.51	132.98	480.49	45.46	18.08	55.54	302.05	122.99	425.05
Legi	168.59	290.12	458.71	15.57	5.24	20.81	153.02	284.88	437.90	6.77	2.13	8.90	146.25	282.75	429.00
F.C.T	131.58	25.85	157.44	80.00	0.14	80.14	51.58	25.71	77.30	49.00	0.07	49.07	11.58	25.64	37.23
Sub total	1567.97	1159.94	3127.91	471.12	62.52	533.64	1497.90	1097.75	2595.65	186.46	36.76	223.22	1311.43	1060.99	2372.44
(CE)															
Adamawa	248.87	287.67	536.54	43.71	16.22	59.93	205.16	271.45	476.61	46.80	8.96	55.76	158.38	282.50	420.86
Faraba	41.19	269.83	311.02	5.27	7.43	12.70	36.92	262.40	299.32	3.44	5.40	8.84	33.48	257.00	290.48
Plateau	571.53	374.34	945.87	62.30	11.98	74.28	509.23	362.36	871.59	82.27	4.83	87.10	426.96	357.53	784.49
Zenue	211.49	412.80	624.29	30.05	5.24	35.29	181.44	407.56	589.00	6.75	1.50	8.25	174.69	408.66	583.35
Sub total	1074.09	1344.64	2418.73	141.93	40.87	182.80	932.76	1303.77	2236.53	139.26	20.69	159.94	393.49	1283.09	2076.58
(SW)															
Delta	33.36	597.12	630.49	4.10	37.67	41.77	29.26	559.45	588.71	1.95	18.67	20.62	27.31	540.78	568.09
Edo	220.32	324.44	544.76	51.37	57.72	109.09	168.95	266.72	435.67	24.00	95.86	59.86	144.95	230.85	375.81
Ondo	439.89	570.64	1010.53	35.77	16.97	52.74	398.12	559.67	957.79	24.63	0.61	34.24	373.49	544.05	917.54
Osun	200.01	471.26	671.26	53.35	9.16	62.51	146.66	462.09	608.75	28.20	4.00	32.20	118.46	458.10	576.55
Oyo	945.37	386.67	1332.04	92.95	12.67	105.62	852.42	354.01	1206.43	79.65	7.33	86.98	772.77	348.66	1121.44
Ogun	374.23	389.39	763.61	69.42	67.92	137.34	304.81	301.46	606.27	28.28	44.80	73.08	278.52	256.66	535.18
Lagos	3202.44	352.70	3555.14	441.87	61.23	503.10	2760.57	301.48	3062.05	83.43	129.92	213.35	2677.14	171.56	2848.70
Sub total	5409.62	3062.22	8471.83	748.83	263.24	1012.17	4650.79	2798.87	7449.66	270.13	250.20	520.33	4390.64	2548.67	6939.32
(SE)															
Enugu	248.71	575.54	824.24	91.25	30.13	121.38	157.46	545.40	702.86	32.07	25.78	57.85	125.39	519.62	645.01
Anambra	163.66	568.79	732.45	11.47	17.62	29.09	152.19	551.17	703.35	10.10	18.34	28.44	142.09	532.83	674.91
Imo	109.42	484.70	594.12	27.34	63.89	91.23	82.08	420.81	502.89	9.34	43.11	52.45	72.74	377.68	450.42
CrossRiver	154.80	276.58	431.38	10.10	9.94	20.04	144.70	266.64	411.34	9.16	11.84	21.00	135.54	254.81	390.35
Abia	256.97	339.09	596.06	45.78	22.73	68.51	210.53	316.36	526.89	12.22	10.96	23.18	198.37	305.40	503.77
Akwalbon	0.00	523.90	523.90	0.00	16.24	16.24	0.00	487.75	487.75	0.00	44.77	44.77	0.00	442.98	442.98
River	0.00	1006.03	1006.03	0.00	29.52	29.52	0.00	976.52	976.52	0.00	14.67	14.67	0.00	961.84	961.84
Sub total	932.95	3774.64	4707.59	185.94	210.07	396.01	747.01	3554.65	4311.66	72.89	169.50	242.39	674.12	3395.15	4069.26
Total	10881.81	12390.96	23272.78	1955.50	821.31	2776.81	8945.16	11571.64	20516.79	893.89	628.97	1522.86	8051.25	10941.67	18993.91

TABLE 6.20(10) PROJECTED ANNUAL WATER SUPPLY-DEMAND BALANCE FOR URBAN WATER SUPPLY PLAN IN 2020

	Demand			Actual Supply Capa.			Deficit			Improve Capa. by Rehab.			New Proposed Capa.		
	SW MCM	GW MCM	Total MCM	SW MCM	GW MCM	Total MCM	SW MCM	GW MCM	Total MCM	SW MCM	GW MCM	Total MCM	SW MCM	GW MCM	Total MCM
(NW)															
Ibbi	22.84	21.87	44.71	6.40	2.51	8.91	16.44	19.36	35.80	2.91	1.38	4.29	13.53	17.98	31.51
Sokoto	85.23	57.85	143.08	45.90	5.97	51.87	42.83	51.92	94.74	14.91	3.82	17.94	28.71	48.10	76.81
Katsina	70.77	61.99	132.76	15.30	3.33	18.68	55.47	58.61	114.08	10.87	2.41	13.27	44.60	56.21	100.81
Sub total	178.84	141.71	320.54	67.59	11.86	79.45	114.74	129.89	244.62	27.89	7.61	35.50	86.85	122.28	209.13
(NE)															
Yano	217.57	47.95	265.53	45.18	9.13	54.30	174.56	39.10	213.65	24.08	6.07	30.16	150.47	33.03	183.50
Digawa	4.37	50.37	54.75	0.41	8.09	8.50	3.96	42.29	46.25	0.19	5.99	6.18	3.77	36.29	40.07
Kobe	0.00	29.25	29.25	0.00	5.07	5.07	0.00	24.37	24.37	0.00	1.82	1.82	0.00	22.54	22.54
Torno	47.88	83.74	131.62	7.30	18.52	25.82	40.58	65.22	105.80	13.97	12.65	26.52	26.62	52.56	79.18
Gauchi	26.54	72.27	98.82	9.11	6.41	15.52	17.44	65.87	83.30	5.33	6.34	11.68	12.10	59.52	71.62
Sub total	296.37	283.59	579.97	62.00	47.22	109.21	236.53	236.84	473.37	43.57	32.88	76.46	192.96	203.95	396.91
(CW)															
Aduna	308.89	49.68	358.58	73.41	3.95	77.37	235.48	45.73	281.21	22.04	2.86	24.90	213.44	42.87	256.31
Diger	83.68	47.44	131.12	19.30	5.42	24.72	64.74	42.12	106.83	7.87	3.13	11.00	56.84	38.99	95.84
Awira	136.78	20.75	157.53	26.48	4.06	30.54	110.30	16.69	126.99	14.43	2.84	17.27	95.87	13.65	109.72
Logi	46.41	33.73	80.14	4.75	1.02	5.78	41.66	32.71	74.37	2.05	0.50	2.56	39.60	32.21	71.81
F.C.T	41.76	0.06	41.82	25.39	0.04	25.43	16.37	0.02	16.39	12.70	0.02	12.72	3.68	0.00	3.68
Sub total	617.53	151.66	769.19	149.34	14.49	163.83	468.52	137.27	605.79	59.09	9.35	68.44	409.43	127.92	537.35
(CE)															
Adanawa	78.99	33.49	112.48	13.87	3.92	17.79	65.12	29.57	94.69	14.85	2.38	17.24	50.27	27.19	77.45
Faraba	13.39	34.81	48.20	1.67	0.91	2.58	11.72	33.90	45.62	1.09	0.74	1.83	10.63	33.16	43.78
Plateau	181.40	36.07	217.47	19.77	1.24	21.02	161.63	34.83	196.46	28.11	0.62	26.73	135.52	34.20	169.72
Penue	67.13	33.90	101.03	9.54	0.25	9.79	57.59	33.65	91.24	2.14	0.33	2.47	55.45	33.32	88.76
Sub total	340.92	138.27	479.18	44.86	6.33	51.19	296.06	131.94	427.99	44.20	4.07	48.27	251.86	127.86	379.72
(SW)															
Delta	10.59	146.54	157.13	1.30	11.41	12.73	9.29	135.11	144.40	0.62	5.59	6.21	8.67	129.52	138.19
Ido	64.55	73.51	138.06	15.65	18.28	33.93	49.90	55.23	104.13	7.44	11.37	18.80	41.47	43.86	85.32
Indo	129.86	125.01	254.87	11.03	4.49	15.52	118.84	120.52	239.35	7.73	2.69	10.43	111.10	117.82	228.93
Osun	61.94	125.16	187.10	16.60	1.62	18.22	45.34	123.55	168.89	8.84	0.85	9.69	36.50	122.69	159.19
Oyo	296.58	65.08	361.66	29.34	2.96	32.30	267.24	62.12	329.36	25.26	1.92	27.18	241.98	69.21	302.19
Ogun	109.94	94.99	204.93	21.56	20.38	41.94	88.38	74.61	162.99	8.81	13.53	22.34	79.57	61.07	140.64
Oagos	1016.45	109.77	1126.23	140.25	18.73	158.98	876.21	91.04	967.25	26.48	40.96	67.44	849.73	50.08	899.80
Sub total	1689.92	740.06	2429.98	235.73	77.89	313.61	1454.20	662.17	2116.36	85.18	76.91	162.09	1369.01	585.25	1954.27
(SE)															
Enugu	78.94	130.12	209.06	28.96	9.21	38.17	49.98	120.91	170.89	10.18	8.10	18.28	39.80	112.81	152.60
Anambra	51.94	134.77	186.72	5.64	5.14	10.78	49.30	133.63	181.93	3.21	5.69	8.89	45.10	127.94	173.04
Imo	34.73	118.98	153.70	8.68	19.27	27.95	26.05	99.70	125.75	2.96	13.41	16.37	23.09	86.30	109.38
Cross River	49.13	42.81	92.37	3.21	2.48	5.68	45.93	40.34	86.26	2.91	3.52	6.43	43.02	36.81	79.83
Abia	79.28	65.78	145.06	14.45	6.00	20.45	64.84	59.78	124.62	3.83	3.00	6.83	61.00	56.78	117.78
Akwaihon	0.00	116.34	116.34	0.00	10.73	10.73	0.00	105.61	105.61	0.00	13.94	13.94	0.00	91.67	91.67
River	0.00	251.04	251.04	0.00	8.46	8.46	0.00	242.58	242.58	0.00	4.21	4.21	0.00	238.38	238.38
Sub total	294.03	863.85	1158.30	58.93	61.29	120.23	235.09	802.55	1037.65	23.09	51.87	74.96	212.00	750.63	962.63
Total	3417.61	2319.12	5737.15	618.45	219.07	837.52	2805.14	2100.65	4905.79	283.02	182.69	465.72	2522.12	917.95	4410.08

TABLE 6.20(11) PROJECTED ANNUAL WATER SUPPLY-DEMAND BALANCE FOR RURAL WATER SUPPLY PLAN IN 2020

	Demand			Actual Supply Capa.			Deficit			Improve Capa. by Rehab.			New Proposed Capa.		
	SW	GW	Total	SW	GW	Total	SW	GW	Total	SW	GW	Total	SW	GW	Total
	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM
(NW)															
Abba	0.00	46.92	46.92	0.00	1.90	1.90	0.00	45.02	45.02	0.00	0.63	0.63	0.00	44.39	44.39
Sokoto	0.00	84.62	84.62	0.00	3.94	3.94	0.00	80.68	80.68	0.00	1.64	1.64	0.00	79.04	79.04
Katsina	0.00	71.67	71.67	0.00	1.91	1.91	0.00	69.76	69.76	0.00	0.73	0.73	0.00	69.03	69.03
Sub total	0.00	203.20	203.20	0.00	7.75	7.75	0.00	155.46	155.46	0.00	3.00	3.00	0.00	192.46	192.46
(NE)															
Kano	0.00	103.33	103.33	0.00	1.54	1.54	0.00	101.79	101.79	0.00	0.68	0.68	0.00	101.11	101.11
Jigawa	0.00	68.95	68.95	0.00	1.55	1.55	0.00	67.40	67.40	0.00	0.03	0.03	0.00	67.37	67.37
Zobe	0.00	34.86	34.86	0.00	1.21	1.21	0.00	33.65	33.65	0.00	0.42	0.42	0.00	33.23	33.23
Borno	0.00	36.75	36.75	0.00	2.76	2.76	0.00	33.98	33.98	0.00	1.64	1.64	0.00	32.34	32.34
Bauchi	0.00	95.54	95.54	0.00	3.72	3.72	0.00	91.81	91.81	0.00	1.94	1.94	0.00	89.88	89.88
Sub total	0.00	339.42	339.42	0.00	10.79	10.79	0.00	328.63	328.63	0.00	4.70	4.70	0.00	323.93	323.93
(CW)															
Adana	0.00	60.43	60.43	0.00	1.32	1.32	0.00	59.11	59.11	0.00	0.58	0.58	0.00	58.53	58.53
Niger	0.00	63.33	63.33	0.00	2.66	2.66	0.00	60.67	60.67	0.00	1.20	1.20	0.00	59.47	59.47
Warra	0.00	26.25	26.25	0.00	0.73	0.73	0.00	25.52	25.52	0.00	0.36	0.36	0.00	25.16	25.16
Yogi	7.10	59.35	65.45	0.19	0.64	0.83	6.91	57.71	64.62	0.10	0.17	0.27	6.81	57.54	64.35
F.C.I	0.00	8.15	8.15	0.00	0.01	0.01	0.00	8.14	8.14	0.00	0.00	0.00	0.00	8.14	8.14
Sub total	7.10	216.51	223.61	0.19	5.36	5.55	6.91	211.15	218.06	0.10	2.32	2.41	6.81	208.84	215.65
(CE)															
Adanawa	0.00	57.82	57.82	0.00	1.23	1.23	0.00	56.59	56.59	0.00	0.46	0.46	0.00	56.13	56.13
Faraba	0.00	50.83	50.83	0.00	1.45	1.45	0.00	49.39	49.39	0.00	0.97	0.97	0.00	48.41	48.41
Italcu	0.00	82.75	82.75	0.00	2.56	2.56	0.00	80.19	80.19	0.00	0.91	0.91	0.00	79.28	79.28
Penue	0.00	97.12	97.12	0.00	1.41	1.41	0.00	95.71	95.71	0.00	0.15	0.15	0.00	95.57	95.57
Sub total	0.00	288.52	288.52	0.00	6.64	6.64	0.00	281.88	281.88	0.00	2.49	2.49	0.00	279.39	279.39
(SW)															
Belta	0.00	42.99	42.99	0.00	0.53	0.53	0.00	42.46	42.46	0.00	0.34	0.34	0.00	42.12	42.12
Edo	5.38	29.47	34.85	0.66	0.04	0.70	4.72	29.43	34.15	0.18	0.02	0.20	4.54	29.42	33.96
Indo	7.85	56.11	63.97	0.33	0.83	1.22	7.53	55.22	62.75	0.09	0.36	0.44	7.44	54.86	62.30
Osun	1.54	24.41	25.95	0.33	1.29	1.63	1.21	23.12	24.33	0.11	0.42	0.53	1.10	22.70	23.80
Oyo	3.48	51.30	54.78	0.16	1.06	1.22	3.32	50.24	53.56	0.02	0.41	0.43	3.30	49.83	53.13
Ogun	8.84	22.25	31.10	0.48	1.18	1.65	8.36	21.08	29.44	0.17	0.69	0.85	8.20	20.39	28.59
Lagos	0.00	5.35	5.35	0.00	0.70	0.70	0.00	4.65	4.65	0.00	0.27	0.27	0.00	4.37	4.37
Sub total	27.09	231.89	258.98	1.95	5.70	7.65	25.14	226.20	251.33	0.56	2.50	3.06	24.58	223.69	248.27
(SE)															
Enugu	0.00	52.55	52.55	0.00	0.35	0.35	0.00	52.20	52.20	0.00	0.08	0.08	0.00	52.12	52.12
Anambra	0.00	41.76	41.76	0.00	0.45	0.45	0.00	41.31	41.31	0.00	0.13	0.13	0.00	41.18	41.18
Imo	0.00	34.87	34.87	0.00	1.01	1.01	0.00	33.86	33.86	0.00	0.28	0.28	0.00	33.58	33.58
Cross River	0.00	44.55	44.55	0.00	0.68	0.68	0.00	43.88	43.88	0.00	0.23	0.23	0.00	43.64	43.64
Abia	2.09	41.85	43.94	0.08	1.21	1.30	2.01	40.63	42.64	0.04	0.48	0.53	1.96	40.15	42.12
Akwaihom	0.00	49.94	49.94	0.00	0.77	0.77	0.00	49.20	49.20	0.00	0.27	0.27	0.00	48.93	48.93
River	0.00	68.27	68.27	0.00	0.91	0.91	0.00	67.36	67.36	0.00	0.45	0.45	0.00	66.91	66.91
Sub total	2.09	333.80	335.89	0.08	5.38	5.46	2.01	328.45	330.45	0.04	1.93	1.98	1.96	326.52	328.48
Total	36.28	1613.35	1649.63	2.22	41.61	43.84	34.05	1571.76	1605.82	0.70	16.94	17.64	33.35	1554.82	1588.18

TABLE 6.20 (12) PROJECTED ANNUAL WATER SUPPLY-DEMAND BALANCE FOR TOTAL WATER SUPPLY PLAN IN 2020

	Demand			Actual Supply Capa.			Deficit			Improve Capa. by Rehab.			New Proposed Capa.		
	SW	GW	Total	SW	GW	Total	SW	GW	Total	SW	GW	Total	SW	GW	Total
	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM	MCM
(NW)															
Kebbi	22.8	68.8	91.6	6.4	4.4	10.8	16.4	64.4	80.8	2.9	2.0	4.9	13.5	62.4	75.9
Sokoto	85.2	142.5	227.7	45.9	9.9	55.8	42.8	132.6	175.4	14.1	5.5	19.6	28.7	127.1	155.8
Katsina	70.8	133.7	204.4	15.3	5.3	20.6	55.5	128.4	183.8	10.9	3.1	14.0	44.6	125.2	159.8
Sub total	178.8	344.9	523.7	67.6	19.6	87.2	114.7	325.3	440.1	27.9	10.6	38.5	86.8	314.7	401.6
(NE)															
Kano	217.6	151.3	368.9	45.2	10.7	55.8	174.6	140.9	315.4	24.1	6.8	30.8	150.5	134.1	284.6
Jigawa	4.4	119.3	123.7	0.4	9.6	10.0	4.0	109.7	113.7	0.2	6.0	6.2	3.8	103.7	107.4
Kobe	0.0	64.1	64.1	0.0	6.3	6.3	0.0	58.0	58.0	0.0	2.2	2.2	0.0	55.8	55.8
Borno	47.9	120.5	168.4	7.3	21.3	28.6	40.6	99.2	139.8	14.0	14.3	28.3	26.6	84.9	111.5
Bauchi	26.5	167.8	194.4	9.1	10.1	19.2	17.4	157.7	175.1	5.3	8.3	13.6	12.1	149.4	161.5
Sub total	296.4	623.0	919.4	62.0	58.0	120.0	236.5	565.5	802.0	43.6	37.6	81.2	193.0	527.9	720.8
(CW)															
Kaduna	308.9	110.1	419.0	73.4	5.3	78.7	235.5	104.8	340.3	22.0	3.4	25.5	213.4	101.4	314.8
Niger	83.7	110.8	194.4	19.3	8.1	27.4	64.7	102.8	167.5	7.9	4.3	12.2	56.8	98.5	155.3
Kwara	136.8	47.0	183.8	26.5	4.8	31.3	110.3	42.2	152.5	14.4	3.2	17.6	95.9	39.0	134.9
Kogi	53.5	92.1	145.6	4.9	1.7	6.6	48.6	90.4	139.0	2.1	0.7	2.8	46.4	89.7	136.2
F.C.T	41.8	8.2	50.0	25.4	0.0	25.4	16.4	8.2	24.5	12.7	0.0	12.7	3.7	8.1	11.8
Sub total	624.6	368.2	992.8	149.5	19.8	169.4	475.4	343.4	823.9	59.2	11.7	70.9	416.2	336.8	753.0
(CE)															
Adamawa	79.0	91.3	170.3	13.9	5.1	19.0	65.1	86.2	151.3	14.9	2.8	17.7	50.3	83.3	133.6
Taraba	13.4	85.6	99.0	1.7	2.4	4.0	11.7	83.3	95.0	1.1	1.7	2.8	10.6	81.6	92.2
Plateau	181.4	113.8	300.2	19.8	3.8	23.6	161.6	115.0	276.6	26.1	1.5	27.6	135.5	113.5	249.0
Benue	67.1	131.0	198.2	9.5	1.7	11.2	57.6	129.4	186.9	2.1	0.5	2.6	55.4	128.9	184.3
Sub total	340.9	426.8	767.7	44.9	13.0	57.8	296.1	413.8	709.9	44.2	6.6	50.8	251.9	407.3	659.1
(SW)															
Delta	10.6	189.5	200.1	1.3	12.0	13.3	9.3	177.6	186.9	0.6	5.9	6.5	8.7	171.6	180.3
Edo	69.9	103.0	172.9	16.3	18.3	34.6	53.6	84.7	138.3	7.6	11.4	19.0	46.0	73.3	119.3
Ondo	137.7	181.1	318.8	11.4	5.4	16.7	126.4	175.7	302.1	7.8	3.1	10.9	118.5	172.7	291.2
Osun	63.5	149.6	213.1	16.9	2.9	19.8	46.5	146.7	193.2	9.0	1.3	10.2	37.6	145.4	183.0
Oyo	300.1	116.4	416.4	29.5	4.0	33.5	270.6	112.4	382.9	25.3	2.3	27.6	245.3	110.0	355.3
Ogun	118.8	117.2	236.0	22.0	21.6	43.6	96.7	95.7	192.4	9.0	14.2	23.2	87.8	81.5	169.2
Lagos	1016.5	115.1	1131.6	140.2	19.4	159.7	876.2	95.7	971.9	26.5	41.2	67.7	849.7	54.5	904.2
Sub total	1717.0	971.9	2689.0	237.7	83.6	321.3	1479.3	883.4	2367.7	85.7	79.4	165.2	1393.6	808.9	2202.5
(SE)															
Enugu	78.9	182.7	261.6	29.0	9.6	38.5	50.0	173.1	223.1	10.2	8.2	18.4	39.8	164.9	204.7
Anambra	51.9	180.5	232.5	3.6	5.6	9.2	49.3	174.9	223.2	3.2	5.8	9.0	45.1	169.1	214.2
Imo	34.7	153.8	188.6	8.7	20.3	29.0	26.1	133.6	159.6	3.0	13.7	16.7	23.1	119.9	143.0
Cross River	49.1	87.4	136.9	3.2	3.2	6.4	45.9	84.2	130.1	2.9	3.8	6.7	43.0	80.5	123.5
Abia	81.4	107.6	189.0	14.5	7.2	21.7	66.8	100.4	167.3	3.9	3.5	7.4	63.0	96.9	159.9
Akwabon	0.0	166.3	166.3	0.0	11.5	11.5	0.0	154.8	154.8	0.0	14.2	14.2	0.0	140.6	140.6
River	0.0	319.3	319.3	0.0	9.4	9.4	0.0	309.9	309.9	0.0	4.7	4.7	0.0	305.3	305.3
Sub total	296.1	1197.6	1493.2	59.0	66.7	125.7	237.1	1131.0	1368.1	23.1	53.8	76.9	214.0	1077.2	1291.2
Total	3453.9	3932.5	7386.8	620.7	260.7	881.4	2839.2	3672.4	6511.6	283.7	199.6	483.4	2555.5	3472.8	6028.3

**TABLE 6.21 UNIT COST OF CONSTRUCTION AND OM FOR
URBAN WATER SUPPLY SCHEMES BY GROUNDWATER**

State	Planned Pumping Capacity			Construction Cost	OM Cost
	m ³ /hr	MLD/Unit	MCM/Unit	MN/unit	MN/unit
North-West Region					
Kebbi	12	0.216	0.069	2.1	1.0
Sokoto	12	0.216	0.069	2.1	1.0
Katsina	12	0.216	0.069	2.1	1.0
North-East Region					
Kano	12	0.216	0.069	2.1	1.0
Jigawa	22	0.396	0.126	3.5	1.5
Yobe	39	0.702	0.223	6.0	2.0
Borno	22	0.396	0.126	3.5	1.5
Bauchi	20	0.360	0.114	3.1	1.4
Central West Region					
Kaduna	12	0.216	0.069	2.1	1.0
Niger	12	0.216	0.069	2.1	1.0
Kwara	12	0.216	0.069	2.1	1.0
Kogi	18	0.324	0.103	3.0	1.2
Abuja	12	0.216	0.069	2.1	1.0
Central east Region					
Adamawa	12	0.216	0.069	2.1	1.0
Traba	12	0.216	0.069	2.1	1.0
Plateau	12	0.216	0.069	2.1	1.0
Benne	18	0.324	0.103	3.0	1.2
South-West Region					
Delta	50	0.900	0.286	7.7	2.3
Edo	50	0.900	0.286	7.7	2.3
Ondo	40	0.720	0.222	6.2	2.0
Osun	12	0.216	0.096	2.1	1.0
Oyo	12	0.216	0.096	2.1	1.0
Ogun	75	1.350	0.428	11.3	3.2
Lagos	100	1.800	0.571	15.1	4.2
South-East Region					
Enugu	70	1.260	0.400	10.5	3.0
Anambra	60	1.080	0.343	9.1	2.8
Imo	110	1.980	0.628	16.7	4.4
Cross River	100	1.800	0.571	16.2	4.1
Abia	75	1.350	0.428	11.3	3.2
Akwa Ibom	115	2.070	0.657	17.5	4.5
River	45	0.810	0.257	7.0	2.2

TABLE 6.22(1) PROPOSED URBAN WATER SUPPLY SCHEMES BY WATERWORKS TOWARD 2000

	New Waterworks				RMR				Reconstruction			
	T	SW	GW		T	SW	GW		T	SW	GW	
	MLD	MLD	MLD	NO.	MLD	MLD	MLD	NO.	MLD	MLD	MLD	NO.
(NW)												
Kebbi	11	2	9	42	4	2	2	10	0	0	0	0
Sokoto	38	13	25	116	13	6	7	33	0	0	0	0
Katsina	50	12	38	176	21	15	6	28	0	0	0	0
Sub total	99	27	72	334	38	23	15	71	0	0	0	0
(NE)												
Kano	38	27	11	51	67	60	7	33	0	0	0	0
Jigawa	14	2	12	31	10	1	9	23	0	0	0	0
Yobe	10	0	10	15	5	0	5	8	0	0	0	0
Borno	17	0	17	43	34	24	10	26	0	0	0	0
Bauchi	29	0	29	81	14	0	14	39	0	0	0	0
Sub total	108	29	79	221	130	85	45	123	0	0	0	0
(CW)												
Kaduna	47	29	18	84	44	38	6	28	0	0	0	0
Niger	22	7	15	70	14	9	5	24	0	0	0	0
Kwara	27	25	2	10	32	27	5	24	0	0	0	0
Kogi	38	18	20	62	7	5	2	7	0	0	0	0
F.C.T	0	0	0	0	0	0	0	0	0	0	0	0
Sub total	134	79	55	226	97	79	18	83	0	0	0	0
(CE)												
Adamawa	18	8	10	47	16	12	4	19	0	0	0	0
Taraba	24	2	22	102	5	3	2	10	0	0	0	0
Plateau	53	31	22	102	55	54	1	5	0	0	0	0
Benue	38	16	22	68	8	7	1	4	0	0	0	0
Sub total	133	57	76	319	84	76	8	38	0	0	0	0
(SW)												
Delta	77	3	74	313	17	2	15	70	0	0	0	0
Edo	8	1	7	8	22	13	9	10	0	0	0	0
Ondo	146	63	63	116	21	14	7	10	0	0	0	0
Osun	118	18	100	463	7	4	3	14	0	0	0	0
Oyo	142	102	40	186	82	76	6	28	0	0	0	0
Ogun	21	16	5	4	31	18	15	12	0	0	0	0
Lagos	411	409	2	2	124	82	42	24	0	0	0	0
Sub total	923	612	311	1122	304	207	97	168	0	0	0	0
(SE)												
Enugu	62	0	62	50	12	0	12	10	0	0	0	0
Anambra	104	25	79	74	26	8	18	17	0	0	0	0
Imo	26	4	22	12	14	1	13	7	0	0	0	0
Cross River	42	25	17	10	17	6	11	7	0	0	0	0
Abia	65	34	31	23	10	5	5	4	0	0	0	0
Akwafon	34	0	34	17	26	0	26	13	0	0	0	0
River	166	0	166	205	12	0	12	15	0	0	0	0
Sub total	499	88	411	391	117	20	97	73	0	0	0	0
Total	1896	892	1004	2613	770	490	280	562	0	0	0	0

TABLE 6.22 (2) PROPOSED URBAN WATER SUPPLY SCHEMES BY WATERWORKS FOR THE YEARS OF 2001 TO 2005

	New Waterworks				EMR				Reconstruction			
	T	SW	GW		T	SW	GW		T	SW	GW	
	MLD	MLD	MLD	NO.	MLD	MLD	MLD	NO.	MLD	MLD	MLD	NO.
(NW)												
Kebbi	5	0	5	24	17	7	10	47	0	0	0	0
Sokoto	19	0	19	88	28	9	19	88	0	0	0	0
Katsina	19	0	19	88	29	16	13	60	0	0	0	0
Sub total	43	0	43	200	74	32	42	195	0	0	0	0
(NE)												
Kano	42	42	0	0	57	16	41	190	0	0	0	0
Digawa	6	1	5	13	35	0	35	89	0	0	0	0
Zobe	5	0	5	8	17	0	17	75	0	0	0	0
Borno	16	16	0	0	77	0	77	195	0	0	0	0
Bauchi	19	0	19	53	43	17	26	73	0	0	0	0
Sub total	88	59	29	74	229	33	196	572	0	0	0	0
(CW)												
Kaduna	32	18	14	65	16	0	16	74	0	0	0	0
Niger	8	0	8	37	99	77	22	102	0	0	0	0
Kwara	9	9	0	0	35	18	17	79	0	0	0	0
Kogi	22	11	11	34	3	0	3	10	0	0	0	0
F. C. T	0	0	0	0	0	0	0	0	0	0	0	0
Sub total	71	38	33	136	153	95	58	265	0	0	0	0
(CE)												
Adamawa	9	4	5	24	51	35	16	74	0	0	0	0
Faraba	16	4	12	56	3	0	3	14	0	0	0	0
Plateau	70	59	11	51	5	0	5	24	0	0	0	0
Benue	34	23	11	34	1	0	1	4	0	0	0	0
Sub total	129	90	39	165	60	35	25	116	0	0	0	0
(SW)												
Delta	49	8	41	190	38	0	38	176	0	0	0	0
Edo	0	0	0	0	81	9	72	80	0	0	0	0
Ondo	76	35	41	57	26	10	16	23	0	0	0	0
Osun	42	0	42	195	16	11	5	24	0	0	0	0
Oyo	119	97	22	102	13	4	9	42	0	0	0	0
Ogun	20	20	0	0	99	12	87	65	0	0	0	0
Lagos	348	348	0	0	96	1	95	53	0	0	0	0
Sub total	654	508	146	544	369	47	322	463	0	0	0	0
(SE)												
Enugu	30	0	30	24	66	23	43	35	0	0	0	0
Anambra	62	15	47	44	18	2	16	15	0	0	0	0
Imo	10	0	10	6	98	8	90	46	0	0	0	0
Cross River	29	17	12	7	11	3	8	5	0	0	0	0
Abia	22	7	15	12	30	7	23	17	0	0	0	0
Akwabom	25	9	25	12	49	0	49	24	0	0	0	0
River	85	0	85	105	28	0	28	35	0	0	0	0
Sub total	263	39	224	210	300	43	257	177	0	0	0	0
Total	1248	734	514	1329	1185	285	900	1788	0	0	0	0

TABLE 6.22 (3) PROPOSED URBAN WATER SUPPLY SCHEMES BY WATERWORKS FOR THE YEARS OF 2006 TO 2010

	New Waterworks				EMR				Reconstruction			
	T	SW	GW		T	SW	GW		T	SW	GW	
	MLD	MLD	MLD	NO.	MLD	MLD	MLD	NO.	MLD	MLD	MLD	NO.
(NW)												
Kebbi	18	7	11	51	29	20	9	42	2	0	2	10
Sokoto	22	0	22	102	175	145	30	139	7	0	7	33
Katsina	59	30	29	135	86	48	38	176	6	0	6	28
Sub total	99	37	62	288	290	213	77	357	15	0	15	71
(NE)												
Kano	123	102	21	98	153	142	11	51	7	0	7	33
Oigawa	25	2	23	58	13	1	12	31	9	0	9	23
Yobe	13	0	13	19	10	0	10	15	5	0	5	8
Borno	33	5	28	7	109	23	86	218	10	0	10	26
Bauchi	34	0	34	95	58	29	29	81	14	0	14	39
Sub total	228	109	119	277	343	195	148	395	45	0	45	129
(CW)												
Kaduna	170	148	22	102	249	231	18	84	6	0	6	28
Niger	65	42	23	107	15	0	15	70	5	0	5	24
Kwara	75	65	10	47	85	83	2	10	5	0	5	24
Kogi	38	22	16	50	35	15	20	62	2	0	2	7
F.C.T	0	0	0	0	35	35	0	0	0	0	0	0
Sub total	348	277	71	306	419	364	55	226	18	0	18	83
(CE)												
Adamawa	54	42	12	56	54	44	10	47	4	0	4	19
Faraba	23	7	16	74	27	5	22	102	2	0	2	10
Plateau	104	87	17	79	84	62	22	102	1	0	1	5
Benue	48	31	17	53	52	30	22	68	1	0	1	4
Sub total	229	167	62	262	217	141	76	319	8	0	8	38
(SW)												
Della	72	4	68	315	78	4	74	343	15	0	15	70
Ido	50	30	20	23	69	49	20	22	9	0	9	10
Ondo	120	61	59	82	118	35	83	116	7	0	7	10
Osun	76	16	60	278	165	65	100	463	3	0	3	14
Oyo	169	138	31	144	133	93	40	186	6	0	6	28
Ogun	89	51	38	29	73	68	5	4	15	0	15	12
Lagos	473	473	0	0	495	442	53	30	42	0	42	24
Sub total	1049	773	276	871	1131	756	375	1164	97	0	97	168
(SE)												
Anugu	74	12	62	50	153	91	62	50	12	0	12	10
Anambra	91	25	66	62	91	12	79	74	18	0	18	17
Imo	72	16	56	29	49	27	22	12	13	0	13	7
Cross River	44	25	19	11	27	10	17	10	11	0	11	7
Abia	64	36	32	24	77	46	31	23	5	0	5	4
Akwalbona	55	0	55	27	34	0	34	17	26	0	26	13
River	118	0	118	146	166	0	166	205	12	0	12	15
Sub total	522	114	408	349	597	186	411	391	97	0	97	73
Total	2475	1477	998	2353	2997	1855	1142	2853	280	0	280	562

TABLE 6.23 (4) PROPOSED URBAN WATER SUPPLY SCHEMES BY WATERWORKS FOR THE YEARS OF 2011 TO 2015

	New Waterworks				BMR				Reconstruction			
	T MLD	SW MLD	GD MLD	GW NO.	T MLD	SW MLD	GD MLD	GW NO.	T MLD	SW MLD	GD MLD	GW NO.
(NW)												
Kebbi	28	14	14	65	7	2	5	24	12	2	10	47
Sokoto	68	32	36	167	32	13	19	68	25	6	19	88
Katsina	81	43	38	176	31	12	19	88	28	15	13	60
Sub total	177	89	88	408	70	27	43	200	65	23	42	195
(NE)												
Kano	159	133	26	121	27	27	0	0	101	60	41	190
Jigawa	35	3	32	81	7	2	5	13	36	1	35	89
Yobe	18	0	18	26	5	0	5	8	17	0	17	25
Borno	78	26	52	132	0	0	0	0	101	24	77	195
Bauchi	61	16	45	125	19	0	19	53	26	0	26	73
Sub total	351	178	173	485	58	29	29	74	281	85	196	572
(CW)												
Kaduna	233	200	33	153	43	29	14	65	54	38	16	74
Niger	86	55	31	144	15	7	8	37	31	9	22	102
Kwara	100	87	13	61	108	108	0	0	44	27	17	79
Kogi	54	31	23	71	29	18	11	34	8	5	3	10
F.C.T	0	0	0	0	14	14	0	0	0	0	0	0
Sub total	473	373	100	429	209	176	33	136	137	79	58	265
(CE)												
Adamawa	75	58	17	79	13	8	5	24	28	12	16	74
Taraba	32	9	23	107	14	2	12	56	6	3	3	14
Plateau	141	117	24	112	42	31	11	51	59	54	5	24
Benue	47	31	16	50	27	16	11	34	8	7	1	4
Sub total	295	215	80	348	96	57	39	165	101	76	25	116
(SW)												
Delta	102	6	96	445	44	3	41	190	40	2	38	176
Oyo	88	41	47	53	1	1	0	0	85	13	72	80
Ondo	160	80	80	112	104	63	41	57	30	14	16	23
Osun	120	42	78	362	60	18	42	195	9	4	5	24
Oyo	223	182	41	190	124	102	22	102	85	76	9	42
Ogun	132	70	62	46	16	16	0	0	103	16	87	65
Lagos	687	621	66	37	409	409	0	0	177	82	95	53
Sub total	1512	1042	470	1245	758	612	146	544	529	207	322	463
(SE)												
Anugu	133	49	84	67	30	0	30	24	43	0	43	35
Anambra	121	33	88	82	72	25	47	44	24	8	16	15
Imo	100	22	78	40	14	4	10	5	91	1	90	46
Cross River	58	33	25	14	37	25	12	7	14	6	8	5
Abia	92	50	42	32	49	34	15	12	28	5	23	17
Akwabom	75	0	75	37	25	0	25	12	40	0	40	24
River	161	0	161	199	85	0	85	105	28	0	28	35
Sub total	740	187	553	471	312	85	224	209	268	20	248	177
Total	3548	2084	1464	3385	1503	989	514	1328	1381	490	891	1788

TABLE 6.22 (5) PROPOSED URBAN WATER SUPPLY SCHEMES BY WATERWORKS FOR THE YEARS OF 2016 TO 2020

	New Waterworks				BMR				Reconstruction			
	T	SW	GW		T	SW	GW		T	SW	GW	
	MLD	MLD	MLD	NO.	MLD	MLD	MLD	NO.	MLD	MLD	MLD	NO.
(NW)												
Kebbi	38	20	18	84	11	0	11	51	9	0	9	42
Sokoto	108	58	50	232	29	0	29	135	39	9	30	139
Katsina	109	56	53	246	35	0	35	162	54	16	38	176
Sub total	255	134	121	562	75	0	75	348	102	25	77	357
(NE)												
Kano	217	170	47	218	70	42	28	130	27	16	11	51
Jigawa	46	4	42	106	33	1	32	81	12	0	12	31
Yobe	25	0	25	36	18	0	18	26	10	0	10	15
Borno	106	37	69	175	54	16	38	96	86	0	86	218
Bauchi	83	22	61	170	34	0	34	95	46	17	29	81
Sub total	477	233	244	705	209	59	150	428	181	33	148	396
(CW)												
Kaduna	325	277	45	223	46	18	28	130	18	0	18	84
Niger	123	77	46	213	28	0	28	130	92	77	15	70
Kwara	136	116	20	93	24	9	15	70	20	18	2	10
Kogi	74	43	31	96	27	11	16	50	20	0	20	62
F.C.T	12	12	0	0	20	20	0	0	0	0	0	0
Sub total	670	525	145	625	145	58	87	380	150	95	55	226
(CE)												
Adamawa	106	54	52	241	16	4	12	56	45	35	10	47
Taraba	43	12	31	144	22	4	18	84	22	0	22	102
Plateau	167	133	34	158	76	59	17	84	22	0	22	102
Benue	113	74	39	121	41	23	18	56	22	0	22	68
Sub total	429	273	155	664	155	90	65	280	111	35	76	319
(SW)												
Delta	135	6	129	593	91	8	83	385	74	0	74	343
Edo	123	59	64	72	29	0	29	33	29	9	20	22
Osun	219	111	108	150	101	35	66	92	93	10	83	116
Osun	164	57	107	495	63	0	63	292	111	11	100	463
Oyo	299	243	56	260	134	97	37	172	44	4	40	166
Ogun	181	94	87	65	73	20	53	40	17	12	5	4
Lagos	916	826	90	50	390	348	42	24	54	1	53	30
Sub total	2037	1396	641	1691	881	508	373	1038	422	47	375	1164
(SE)												
Enugu	182	65	117	93	74	0	74	60	85	23	62	50
Anambra	167	44	123	114	89	15	74	78	79	0	79	74
Imo	137	31	106	109	69	0	69	35	49	27	22	12
Cross River	79	36	43	24	47	17	30	17	20	3	17	10
Abia	124	65	59	44	39	7	32	24	38	7	31	23
Akwabon	100	0	100	49	81	0	81	40	34	0	34	17
River	221	0	221	273	130	0	130	161	166	0	166	205
Sub total	1010	241	769	706	529	39	490	416	471	60	411	391
Total	4878	2802	2076	4953	1994	754	1240	2890	1437	295	1142	2853

TABLE 6. 22(6) PROPOSED URBAN WATER SUPPLY SCHEMES BY WATERWORKS TOWARD 2020

State	New Waterworks				EMR				Reconstruction			
	T MLD	SW MLD	GW MLD	NO.	T MLD	SW MLD	GW MLD	NO.	T MLD	SW MLD	GW MLD	NO.
(NW)												
Kebbi	100	43	57	266	68	31	37	174	23	2	21	99
Sokoto	255	103	152	705	277	173	104	483	71	15	56	260
Katsina	318	141	177	821	202	91	111	514	88	31	57	264
Sub total	673	287	386	1792	547	295	252	1171	182	48	134	623
(NE)												
Kano	579	474	105	488	374	287	81	404	135	76	59	274
Jigawa	126	12	114	289	98	5	93	237	57	1	56	143
Yobe	71	0	71	104	55	0	55	82	32	0	32	48
Borno	250	84	166	357	274	63	211	535	197	24	173	439
Bauchi	226	38	188	524	168	46	122	341	86	17	69	193
Sub total	1252	608	644	1762	969	401	568	1599	507	118	389	1097
(CW)												
Kaduna	607	672	135	627	398	316	82	381	78	38	40	186
Niger	304	181	123	511	171	93	78	363	128	86	42	196
Kwara	347	302	45	211	284	245	39	183	69	45	24	113
Kogi	226	125	101	313	101	49	52	163	30	5	25	79
F. C. T.	12	12	0	0	69	69	0	0	0	0	0	0
Sub total	1696	1292	404	1722	1023	772	251	1690	305	174	131	574
(CE)												
Adamawa	262	165	96	447	150	103	47	220	77	47	30	140
Faraba	138	34	104	493	71	14	57	266	30	3	27	126
Maleau	535	427	108	502	262	206	56	266	82	54	28	131
Benue	280	175	105	326	129	76	53	166	31	7	24	76
Sub total	1215	802	413	1758	612	399	213	918	220	111	109	473
(SW)												
Delta	435	27	408	1891	268	17	251	1164	129	2	127	589
Edo	269	131	138	156	202	72	130	145	123	22	101	112
Ondo	721	350	371	517	370	157	213	298	130	24	106	149
Osun	520	133	387	1794	311	98	213	988	123	15	108	501
Oyo	952	762	190	882	486	372	114	530	135	80	55	256
Ogun	443	251	192	144	292	132	160	121	135	28	107	81
Lagos	2835	2677	158	89	1514	1282	232	131	273	83	190	107
Sub total	6175	4331	1844	5473	3443	2130	1313	3377	1048	254	794	1795
(SE)												
Anugu	481	126	355	284	335	114	221	179	140	23	117	95
Anambra	545	142	403	316	296	62	234	229	121	8	113	106
Imo	345	73	272	196	244	40	204	105	153	28	125	65
Cross River	252	136	116	66	139	61	78	46	45	9	36	22
Abia	371	192	179	135	205	99	106	80	71	12	59	44
Akwalbon	289	0	289	142	215	0	215	106	100	0	100	54
River	751	0	751	928	421	0	421	521	208	0	208	255
Sub total	3034	669	2365	2127	1855	376	1479	1266	836	80	756	641
Total	14045	7989	6056	14634	8469	4373	4076	9421	3093	785	2313	5203

TABLE 6. 23(1) PROPOSED RURAL WATER SUPPLY SCHEMES BY WATERWORKS TOWARD 2000

	New Waterworks						EMR						Reconstruction						
	T		SW		GW		T		SW		GW		T		SW		GW		
	MLD	MLD	MLD	NO.	MLD	HP	MLD	MLD	MLD	NO.	MLD	HP	MLD	MLD	MLD	NO.	MLD	HP	
(NW)																			
Kebbi	38		23	137	15	1.78	0.97			0.14	1	1.91	0.23						
Sokoto	66		40	238	26	3.10	1.25			0.79	5	3.92	0.46						
Katsina	62		37	221	29	2.98	0.53			0.36	2	1.85	0.22						
Sub total	166	0	100	596	69	7.86	2.20	0		1.29	8	7.68	0.91						
(NE)																			
Fano	94		57	340	31	4.40	0.45			0.30	2	1.25	0.15						
Ugava	62		37	220	25	2.98	0.12					1.04	0.12						
Kobe	29		17	101	12	1.43	0.54			0.45	3	0.75	0.09						
Burno	26		16	95	10	1.19	3.44			3.38	20	0.52	0.06						
tauchi	75		45	268	30	3.57	2.38			2.09	12	2.74	0.27						
Sub total	286	0	172	1024	118	13.57	6.91	0		6.22	37	5.80	0.69						
(CW)																			
Kaduna	43		26	155	17	2.02	0.52			0.36	2	1.38	0.16						
Niger	40		24	143	16	1.91	1.38			1.09	7	2.48	0.29						
Kwara	17		10	65	7	0.83	0.77			0.73	4	0.39	0.04						
Kogi	50	5	27	161	18	2.14	0.69					0.74	0.69						
F.C.T.	7		4	24	3	0.35	0.00												
Sub total	158	5	92	548	61	7.26	2.76	0		2.18	13	4.90	0.58						
(CE)																			
Adana	42		25	149	17	2.02	0.55			0.41	2	1.18	0.14						
Faraba	35		21	125	14	1.47	1.98			1.93	12	0.42	0.05						
Plateau	57		34	202	23	2.74	0.62			0.26	1	3.03	0.36						
Benue	75		45	268	30	3.57	0.27			0.1	1	1.38	0.17						
Sub total	209	0	125	744	84	10.00	3.42	0		2.7	16	6.02	0.72						
(SW)																			
Delta	35		21	125	14	1.47	0.45			0.62	4	0.24	0.03						
Edo	20	2	16	95	10	1.19	0.51	0.5				0.01	0.01						
Ondo	52	6	27	161	19	2.26	0.17					1.46	0.17						
Osun	17		10	59	7	0.83	0.23					1.93	0.23						
Oyo	44	3	25	149	16	1.91	0.19					1.65	0.19						
Ogun	21	6	9	54	6	0.71	1.78	0.5		1.14	7	0.79	0.09						
Lagos	2		1	6	1	0.12	0.36			0.26	1	0.81	0.10						
Sub total	199	17	109	649	78	8.69	3.85	1		2.03	12	6.89	0.82						
(SE)																			
Enugu	46		28	167	18	2.14	0.04					0.36	0.04						
Anabra	35		21	125	14	1.47	0.05					0.46	0.05						
Ibo	27		16	95	11	1.31	0.13					1.05	0.13						
Cross River	37		22	131	15	1.79	0.09					0.74	0.09						
Abia	33	1	19	113	13	1.55	0.47			0.34	2	1.06	0.13						
Akwabom	41		25	149	16	1.90	0.19			0.1	1	0.76	0.09						
River	57		34	202	23	2.74	0.79			0.74	4	0.46	0.05						
Sub total	276	1	165	882	119	13.10	1.76	0		1.18	7	4.86	0.55						
Total	1294	23	763	4548	508	60.48	20.99	1		15.6	33	28.16	4.30						

T:Total SW:Surface water GW:Ground water
 MP:Borehole with Mechanical pump NP:Borehole with Hand pump

TABLE 6. 23(2) PROPOSED RURAL WATER SUPPLY SCHEMES BY WATERWORKS FOR THE YEARS OF 2001 TO 2005

	New Waterworks						EMR						Reconstruction					
	T	SW	GW				T	SW	GW				T	SW	GW			
			MLD	MLD	NO.	HP			MLD	MLD	NO.	HP			MLD	MLD	NO.	HP
(NW)																		
Yebbi	17		10	60	7	0.84	5.77		0.20	1	5.57	0.66						
Sokoto	28		17	101	11	1.31	12.51		1.06	6	11.45	1.16						
Katsina	25		15	89	10	1.19	5.9		0.48	3	5.42	0.64						
Sub total	70	0	42	250	28	3.34	24.18	0.0	1.74	10	22.44	2.46						
(NE)																		
Kano	38		22	131	14	1.67	4.86		0.71	4	4.15	0.50						
Digawa	24		14	87	10	1.13	3.46		0.00	0	3.46	0.41						
Yobe	12		7	42	5	0.59	3.54		1.06	6	2.48	0.30						
Burno	9		5	30	4	0.48	9.75		8.04	10	1.71	0.20						
Pauchi	33		20	119	13	1.55	12.4		4.97	30	7.43	0.88						
Sub total	114	0	68	405	46	5.48	34.01	0.0	14.78	88	19.23	2.29						
(CW)																		
Maduna	20		12	72	8	0.96	4.25		0.82	5	3.43	0.41						
Niger	21		13	77	8	0.95	4.6		2.44	14	6.16	0.73						
Kwara	9		5	30	4	0.48	2.36		1.62	10	0.74	0.09						
Kogi	22	2	12	71	4	0.95	1.85		0.00	0	1.85	0.22						
F.C.T.	3		2	12	1	0.12	0		0.00	0	0	0.00						
Sub total	75	2	44	262	29	3.44	17.06	0.0	4.88	29	12.18	1.45						
(CE)																		
Adamawa	20		12	72	8	0.95	3.7		0.91	6	2.77	0.33						
Faraba	14		10	60	6	0.72	5.26		4.23	26	0.97	0.12						
Plateau	28		17	101	11	1.31	7.83		0.58	3	1.05	0.84						
Benue	33		20	119	13	1.55	3.43		0.23	1	3.2	0.38						
Sub total	97	0	59	352	38	4.93	20.02	0.0	6.03	36	13.99	1.67						
(SW)																		
Delta	18		11	65	7	0.83	1.88		1.40	8	0.48	0.06						
Odo	12	2	6	36	4	0.48	0.14		0.00	0	0.14	0.02						
Ondo	22	3	11	66	8	0.95	3.14	0.4	0.00	0	2.74	0.33						
Osun	8		5	30	3	0.36	4.2	0.4	0.00	0	3.8	0.45						
Oyo	18	1	11	65	7	0.83	3.43	0.4	0.00	0	3.23	0.38						
Ogun	10	3	4	24	3	0.36	4.11		2.56	15	1.55	0.18						
Olagos	5		3	18	2	0.24	2.11		0.58	3	1.59	0.19						
Sub total	94	9	51	304	34	4.05	19.07	1.0	4.54	27	13.53	1.61						
(SE)																		
Enugu	18		11	66	7	0.83	1.04		0.00	0	1.04	0.13						
Anabra	15		9	54	6	0.72	1.33		0.00	0	1.33	0.16						
Imo	12		7	42	5	0.60	3.04		0.00	0	3.04	0.36						
Cross River	15		9	53	6	0.72	2.19		0.00	0	2.19	0.26						
Abia	16	1	9	54	6	0.71	3.4		0.51	5	3.66	0.38						
Akwai	17		10	59	7	0.83	2.45		0.24	1	2.21	0.26						
River	23		14	83	9	1.07	3.1		1.78	11	1.32	0.16						
Sub total	116	1	69	411	46	5.48	16.72	0.0	2.56	17	14.16	1.69						
Total	564	12	331	1984	221	26.34	31.06	1.0	34.53	207	95.53	11.37						

T:Total SW:Surface water GW:Ground water
 MP:Borehole with Mechanical pump NP:Borehole with Hand pump

TABLE 6. 23(3) PROPOSED RURAL WATER SUPPLY SCHEMES BY WATERWORKS FOR THE YEARS OF 2006 TO 2010

	New Waterworks						EMR						Reconstruction					
	T	SW	G W			T	SW	G W			T	SW	G W					
			MP	NO.	HP			MP	NO.	HP			MP	NO.	HP			
	MLD	MLD	MLD		MLD	1000	MLD	MLD	MLD	NO.	MLD	1000	MLD	MLD	NO.	MLD	1000	
(NW)																		
Xebbi	34		22	131	14	1.61	24.05		12.14	79	10.91	1.30	38		23	137	15	1.78
Sokoto	65		39	232	26	3.09	43.71		29.79	112	19.92	2.37	66		40	238	26	3.10
Katsina	55		33	197	22	2.62	34.21		19.36	115	14.85	1.77	62		37	221	25	2.98
Sub total	154	0	94	560	62	7.35	101.97	0	56.29	306	45.68	5.44	166	0	100	596	66	7.86
(NE)																		
Yano	80		48	286	32	3.81	48.55		28.3	169	20.25	2.41	94		57	340	37	4.40
Digawa	59		32	191	21	2.50	32.04		19	113	19.04	1.55	62		37	220	25	2.98
Yobe	28		17	101	11	1.31	19.20		11.45	68	7.75	0.92	29		17	101	12	1.43
Borno	18		17	101	11	1.31	20.90		13.38	80	7.52	0.69	26		16	98	10	1.19
Bauchi	75		45	268	30	3.57	47.33		28.69	167	19.24	2.30	75		45	268	30	3.57
Sub total	264	0	159	917	105	12.53	168.02	0	100.22	597	67.89	8.07	286	0	172	1024	114	13.57
(EW)																		
Zaduna	53	0	32	191	21	2.50	30.74		17.36	103	13.38	1.59	43		26	155	17	2.02
Niger	55	0	33	195	22	2.42	32.57		19.09	114	14.48	1.72	40		24	143	16	1.90
Kwara	23	0	14	83	9	1.07	13.09		7.19	46	5.39	0.63	17		10	65	7	0.83
Kogi	58	6	31	185	21	2.50	30.74	2	17	101	11.74	1.40	45		27	161	18	2.14
F.C.T.	7	0	4	24	3	0.36	4.60		2	12	2.00	0.24	7		4	24	3	0.36
Sub total	196	6	114	679	76	9.05	112.08	2	63.18	376	46.90	5.58	153	0	92	548	61	7.21
(CE)																		
Ado-Ewa	50		30	179	20	2.35	28.60		16.41	97	12.19	1.45	42		25	149	17	2.02
Baraba	45		27	161	18	2.15	26.35		15.93	95	10.42	1.24	35		21	125	14	1.61
Plateau	23		14	83	9	1.07	13.09		23.26	138	19.03	2.27	57		34	202	23	2.74
Benue	85		51	303	34	4.05	47.48		28.1	168	19.38	2.31	75		45	268	30	3.57
Sub total	253	0	152	905	101	12.03	144.72	0	63.7	438	61.02	7.27	209	0	125	744	84	10.09
(SW)																		
Della	35	0	21	125	14	1.67	17.86		19.62	63	7.24	0.88	35		21	125	14	1.67
Ido	29	4	15	89	10	1.18	15.07	2	8	48	5.07	0.60	28		18	95	10	1.19
Borno	54	7	28	167	19	2.26	30.40	3	16	95	11.40	1.36	46	0.4	27	161	19	2.26
Osun	21	1	12	71	8	0.95	13.83		7	42	6.93	0.83	17	0.4	10	59	7	0.83
Oyo	46	3	26	155	17	2.03	26.45	1	14	83	11.65	1.38	41	0.2	25	149	16	1.91
Ogun	25	7	11	66	7	0.83	14.93	3	7.14	43	4.79	0.57	15		9	51	6	0.71
Lagos	5	0	3	18	2	0.24	3.07		0.26	1	0.81	0.10	2		1	6	1	0.12
Sub total	215	22	116	691	77	9.17	119.92	9	63.93	375	47.89	5.70	182	1.0	109	619	71	8.69
(SE)																		
Enugu	43		26	155	17	2.02	25.36		15	83	10.36	1.23	46		28	167	18	2.14
Anabra	35		21	125	14	1.67	20.46		12	72	8.46	1.00	35		21	125	14	1.67
Imo	28		17	101	11	1.31	17.05		10	59	7.05	0.85	27		16	95	11	1.31
Cross River	37		22	131	15	1.79	20.74		12	72	8.74	1.04	37		22	131	15	1.79
Abia	37	2	21	125	14	1.67	22.40	1	12.34	74	9.06	1.08	32		19	113	13	1.55
Akwabom	42		25	149	17	2.02	23.86		14.1	84	9.76	1.16	41		25	149	16	1.90
River	51		31	202	23	2.74	33.20		19.74	117	13.46	1.60	57		34	202	23	2.74
Sub total	279	2	166	988	111	13.22	163.07	1	95.18	567	66.89	7.96	275	0	165	982	110	13.10
Total	1383	30	801	4770	532	63.35	609.78	12	461.6	2748	336.18	40.02	1272	1.0	763	4543	509	60.48

T:Total SW:Surface water GW:Ground water
MP:Borehole with Mechanical pump HP:Borehole with Hand pump

TABLE 6. 23(4) PROPOSED RURAL WATER SUPPLY SCHEMES BY WATERWORKS FOR THE YEARS OF 2011 TO 2015

	New Waterworks						EMR						Reconstruction								
	T		SW		GW		T		SW		GW		T		SW		GW				
	MLD	MLD	MLD	NO.	MLD	HP	MLD	MLD	MLD	MP	NO.	MLD	HP	MLD	MLD	MLD	MP	NO.	MLD	HP	
(NW)																					
Zebbi	28		17	101	11	1.31	17.00			10	60	7	0.84	5.77		0.20	1	5.51		0.66	
Sokoto	50		30	179	20	2.38	28.00			17	101	11	1.31	12.51		1.06	6	11.45		1.36	
Yatsina	43		26	155	17	2.03	23.00			15	89	10	1.19	5.99		0.48	3	5.42		0.64	
Sub total	121	0	73	435	48	5.72	70.00	0		42	250	28	3.34	24.18	0	1.74	10	22.44		2.66	
(NE)																					
Fano	62		37	220	25	2.98	36.00			22	131	14	1.67	6.66		0.71	4	6.15		0.50	
Figawa	40		24	143	16	1.91	24.00			14	83	10	1.19	3.46		0.00	0	3.46		0.41	
Yobe	20		12	72	8	0.95	12.00			7	42	5	0.59	2.54		1.06	6	2.43		0.30	
Burno	22		13	76	9	1.07	9.00			5	30	4	0.48	9.75		0.04	48	1.71		0.20	
Gauchi	57		34	202	23	2.74	33.00			20	119	13	1.55	12.40		4.97	30	7.43		0.88	
Sub total	201	0	120	715	81	9.65	114.00	0		68	405	46	5.45	34.01	0	1.78	88	19.27		2.29	
(CW)																					
Kaduna	38		23	137	15	1.79	20.00			12	72	8	0.95	4.25		0.82	5	3.41		0.41	
Niger	41		25	149	16	1.90	21.00			13	77	8	0.95	6.60		2.44	14	6.16		0.73	
Kwara	17		10	59	7	0.83	9.00			5	30	4	0.48	2.56		1.62	10	0.74		0.08	
Yogi	42	4	23	137	15	1.79	25.00	5		12	71	8	0.95	1.85		0.00	0	1.85		0.21	
F. C. T.	5		3	18	2	0.21	3.00			2	12	1	0.12	0.00		0.00	0	0		0.00	
Sub total	143	4	84	500	55	6.55	78.00	5		44	262	29	3.46	17.06	0	4.88	29	12.18		1.45	
(CE)																					
Adaxava	37		22	131	15	1.79	20.00			12	72	8	0.95	3.70		0.93	6	2.77		0.33	
Taraba	33		20	119	13	1.55	16.00			10	60	6	0.72	5.26		4.29	26	0.97		0.12	
Plateau	53		32	191	21	2.50	28.00			17	101	11	1.31	7.63		0.58	3	7.05		0.84	
Benue	62		37	220	25	2.98	33.00			20	119	13	1.55	3.43		0.23	1	3.2		0.38	
Sub total	185	0	111	661	74	8.81	97.00	0		59	352	38	4.53	20.62	0	6.03	35	3.93		1.61	
(SW)																					
Delta	27		16	95	11	1.31	18.00			11	65	7	0.83	1.88		1.40	8	0.44		0.06	
Edo	21	3	11	65	7	0.83	12.00	2		6	36	4	0.48	3.62	0.5	2.98	9	0.16		0.02	
Ondo	40	5	21	125	14	1.67	25.00	6		11	66	8	0.95	2.74		0.00	9	2.74		0.33	
Osun	16	1	9	54	6	0.71	8.00			5	30	3	0.36	3.80		0.00	0	3.8		0.45	
Oyo	34	2	19	113	13	1.55	21.00	3		11	65	7	0.83	3.23		0.60	0	3.23		0.38	
Ogun	19	6	8	48	5	0.60	13.00	6		4	24	3	0.36	4.81	0.5	2.56	15	1.55		0.18	
Lagos	3		2	12	1	0.12	5.00			3	18	2	0.24	2.17		0.58	4	1.59		0.19	
Sub total	160	17	86	512	57	6.79	102.00	17		51	304	34	4.05	22.05	1	7.52	27	18.53		1.61	
(SE)																					
Enugu	32		19	113	13	1.55	18.00			11	66	7	0.83	1.04		0.00	0	1.04		0.13	
Anabra	27		16	95	11	1.31	18.00			9	54	6	0.72	1.33		0.00	0	1.33		0.16	
Imo	22		13	78	9	1.07	12.00			7	42	5	0.60	3.04		0.00	0	3.04		0.36	
Cross River	27		16	95	11	1.31	15.00			9	53	6	0.72	2.16		0.00	0	2.16		0.26	
Abia	21	1	16	95	10	1.19	18.00	1		9	54	6	0.71	3.60		0.54	5	3.06		0.36	
Akwafem	30		18	107	12	1.43	17.00			10	59	7	0.83	2.45		0.24	1	2.21		0.26	
River	42		25	149	17	2.02	23.00			14	83	9	1.07	3.10		5.78	11	1.32		0.16	
Sub total	207	1	123	732	83	9.88	116.00	1		69	411	46	5.48	16.72	0	2.56	17	14.16		1.69	
Total	1017	22	597	3555	398	47.40	675.00	23		331	1984	221	26.34	134.04	1	17.51	207	89.53		11.37	

T:Total SW:Surface water GW:Ground water
MP:Borehole with Mechanical pump HP:Borehole with Hand pump

TABLE 6. 23(5) PROPOSED RURAL WATER SUPPLY SCHEMES BY WATERWORKS FOR THE YEARS OF 2016 TO 2020

	New Waterworks						BGR						Reconstruction					
	T		G W				T		G W				T		G W			
	MLD	MLD	MP	NO.	MLD	1000	MLD	MLD	MP	NO.	MLD	1000	MLD	MLD	MP	NO.	MLD	1000
(NW)																		
Kebbi	36		22	131	11	1.67	24.05		13.14	78	10.31	1.30	38		23	137	15	1.78
Sokoto	65		39	232	28	3.09	43.71		29.79	142	19.92	2.37	68		40	238	26	3.10
Katsina	55		33	197	22	2.62	34.21		18.36	115	14.85	1.77	62		37	221	25	2.98
Sub total	156	0	94	560	62	7.38	101.97	0	58.29	335	45.88	5.44	168	0	100	596	66	7.86
(NE)																		
Kano	80		48	286	32	3.81	48.55		28.3	169	20.25	2.41	94		57	340	37	4.40
Jigawa	53		32	191	21	2.50	32.04		19	113	13.04	1.55	62		37	220	25	2.98
Kobe	28		17	101	11	1.31	19.20		11.45	66	7.75	0.92	29		17	101	12	1.43
Dorno	28		17	101	11	1.31	20.90		19.98	80	7.52	0.89	26		16	95	10	1.19
Lauchi	75		45	268	30	3.51	47.33		26.09	161	19.24	2.30	75		45	268	30	3.57
Sub total	264	0	159	947	105	12.50	168.02	0	100.22	597	67.80	8.07	286	0	172	1024	114	13.57
(CW)																		
Yaduna	53	0	32	191	21	2.50	30.74		17.36	103	13.38	1.59	43		26	155	17	2.02
Niger	55	0	33	196	22	2.62	33.57		19.09	114	14.48	1.72	40		24	143	16	1.90
Kwara	29	0	14	83	9	1.07	19.93		7.79	46	5.30	0.63	17		10	65	7	0.83
Kogi	58	6	31	185	21	2.50	30.74	2	17	101	11.74	1.40	45		27	161	18	2.14
P.C.T.	7	0	4	24	3	0.36	4.00		2	12	2.00	0.24	7		4	24	3	0.36
Sub total	196	6	114	679	76	9.05	112.08	2	63.18	376	46.90	5.58	153	0	92	548	61	7.27
(CE)																		
Adamawa	50		30	179	20	2.38	28.60		16.41	97	12.19	1.45	42		25	149	17	2.02
Taraba	45		27	161	18	2.15	26.25		15.93	95	10.42	1.24	35		21	125	14	1.67
Plateau	73		44	262	29	3.45	42.29		23.26	138	19.09	2.27	57		34	202	23	2.74
Benue	85		51	303	34	4.05	47.48		28.1	168	19.38	2.31	75		45	268	30	3.57
Sub total	253	0	152	905	101	12.03	144.72	0	83.7	498	61.02	7.27	209	0	125	744	84	10.00
(SW)																		
Bella	35	0	21	125	14	1.67	17.86		10.62	63	7.24	0.85	35		21	125	14	1.67
Edo	29	4	15	89	10	1.19	15.07	2	8	48	5.07	0.60	26		16	95	10	1.19
Ondo	54	7	28	167	19	2.26	30.40	3	16	95	11.40	1.36	45	0.4	27	161	19	2.26
Osun	21	1	12	71	8	0.95	13.92		7	42	6.93	0.83	17	0.4	10	59	7	0.83
Oyo	46	3	26	155	17	2.03	26.65	1	11	89	11.65	1.38	41	0.2	25	149	16	1.91
Ogun	25	7	11	66	7	0.89	14.93	3	7.14	43	4.79	0.57	15		9	54	6	0.71
Ogbo	5	0	3	18	2	0.24	1.07		0.26	1	0.61	0.10	2		1	6	1	0.12
Sub total	215	22	116	691	77	9.17	119.92	9	63.03	375	47.89	5.70	182	1.0	109	649	73	8.69
(SE)																		
Anugu	43		26	155	17	2.02	25.36		15	89	10.36	1.23	46		28	167	18	2.14
Anabra	35		21	125	14	1.67	20.46		12	72	8.46	1.00	35		21	125	14	1.67
Imo	26		17	101	11	1.31	17.05		10	59	7.05	0.85	27		16	95	11	1.31
Cross River	37		22	131	15	1.79	20.74		12	72	8.74	1.04	37		22	131	15	1.79
Abia	37	2	21	125	14	1.67	22.40	1	12.34	74	9.05	1.08	32		19	113	13	1.55
Akwalbon River	42		25	149	17	2.02	23.86		14.1	84	9.76	1.16	41		25	149	16	1.99
River	57		34	202	23	2.74	33.20		19.74	117	13.46	1.60	57		34	202	23	2.74
Sub total	279	2	166	986	111	13.22	163.07	1	95.18	567	66.69	7.96	275	0	165	982	110	13.10
Total	1367	30	801	4770	532	63.35	805.78	12	461.6	2749	336.18	40.02	1272	1.0	763	4543	509	60.48

T:Total SW:Surface water GW:Ground water
MP:Borehole with Mechanical pump HP:Borehole with Hand pump

TABLE 6.23(6) PROPOSED RURAL WATER SUPPLY SCHEMES BY WATERWORKS TOWARD 2020

	New Waterworks						BMR						Reconstruction						
	T	SW	GW				T	SW	GW				T	SW	GW				
			MP		HP				MP		HP				MP		HP		
	MLD	MLD	MLD	NO.	MLD	1000	MLD	MLD	MLD	NO.	MLD	1000	MLD	MLD	MLD	NO.	MLD	1000	
(NW)																			
Kebbi	140		84	507	56	6.67	86.87		46.48	278	40.39	4.81	45.82	23.34	139	22.48	2.67		
Sokoto	249		149	837	100	11.78	54.93		42.44	491	72.29	8.60	83.22	41.85	249	41.37	4.92		
Katsina	217		130	775	87	9.31	39.32		72.2	430	57.12	5.80	70.11	37.84	226	32.27	3.84		
Sub total	606	0	364	2169	242	28.83	71.12	0	201.32	1199	169.8	20.21	199.15	0	103	614	56.12	11.43	
(NE)																			
Yano	319		192	1144	127	15.12	84.96		108.31	646	76.65	9.13	100.41	50.01	346	47.4	5.05		
Jigawa	210		126	750	84	10.01	22.54		70	416	52.54	6.25	66.50	37	220	29.5	3.51		
Zobe	107		64	381	43	5.31	64.94		38.96	219	27.98	3.33	33.74	18.51	110	15.23	1.82		
Borno	102		51	364	41	4.88	63.55		45.8	273	23.75	2.82	39.65	27.42	163	22.23	2.45		
Sauki	283		170	1012	113	13.44	72.06		100.15	536	71.91	8.57	91.78	52.06	310	39.67	4.72		
Sub total	1021	0	613	3651	408	48.58	214.05	0	361.22	2151	252.83	30.10	332.03	0	133	1149	133	16.55	
(NW)																			
Aduna	183		110	656	73	8.70	99.79		58.54	337	43.19	5.15	48.99	21.18	162	21.81	2.60		
Niger	187		113	672	74	8.81	106.74		59.62	355	47.12	5.59	52.11	27.53	164	24.64	2.92		
Kwara	78		46	279	32	3.81	42.42		25.08	150	17.34	2.07	20.39	12.35	74	8.04	0.96		
Kogi	204	21	110	655	73	8.69	104.33	1	58	333	40.33	4.89	47.59	27	161	20.58	2.45		
F.C.T.	26		15	90	11	1.32	14		8	45	6	0.71	7.60	4	24	3	0.35		
Sub total	679	21	395	2352	263	31.32	368.22	1	206.24	1228	153.95	18.33	176.14	0	59	590	78.08	9.29	
(CE)																			
Adamawa	176		105	626	71	8.45	95.9		54.75	326	41.15	4.89	47.30	26.34	157	20.96	2.49		
Taraba	159		92	548	61	7.27	84.95		53.15	318	31.81	3.80	42.61	27.22	163	15.39	1.84		
Plateau	250		150	893	100	11.91	138.21		75.1	445	63.11	7.52	67.92	34.84	206	33.03	3.94		
Benue	301		181	1077	120	14.29	160.39		93.43	556	66.96	7.98	79.91	45.33	270	34.53	4.12		
Sub total	886	0	528	3144	352	41.92	479.45	0	276.43	1645	203.03	24.19	237.74	0	133	796	104	12.39	
(SW)																			
Delta	132		79	459	53	6.31	73.6		44.64	264	28.96	3.44	37.74	23.02	137	14.72	1.76		
Odo	105	13	56	333	36	4.28	55.78	6.5	39	179	19.28	2.30	30.19	1.0	10.98	95	10.21	1.22	
Imo	198	25	103	614	70	8.33	106.94	10.4	54	322	42.54	5.07	50.14	27	161	23.14	2.76		
Osun	75	3	43	256	29	3.46	48.06	1.4	22	131	22.66	2.70	22.73	10	59	12.73	1.53		
Oyo	168	10	95	565	63	7.51	93.73	4.2	50	297	39.53	4.69	45.68	25	149	20.86	2.46		
Ogun	89	26	38	227	25	2.38	50.47	10.5	25.84	149	16.13	1.91	22.04	1.0	12.7	76	8.34	0.98	
Lagos	15		9	54	6	0.72	11.31		5.1	30	6.21	0.75	5.24	1.84	11	3.4	0.41		
Sub total	782	77	423	2518	282	33.58	337.91	33	229.6	1364	175.31	20.87	213.96	2.0	118.5	687	93.42	11.12	
(SE)																			
Enugu	164		99	590	65	7.73	90.76		54	322	36.76	4.37	47.40	28	167	19.4	2.31		
Anabara	132		79	471	59	6.32	72.25		42	251	30.25	3.60	38.79	21	125	15.79	1.88		
Imo	105		63	375	42	5.01	60.14		33	195	27.14	3.25	31.69	16	95	15.09	1.80		
Cross River	138		81	482	55	6.56	75.64		43	256	32.64	3.90	39.99	22	131	17.9	2.14		
Abia	134	6	77	459	51	6.07	75.4	2	41.22	248	32.18	3.89	37.09	19.88	120	17.12	2.04		
Abia	153		92	547	61	7.25	85.17		49.44	294	35.73	4.24	44.31	25.34	151	18.97	2.25		
River	211		126	749	85	10.12	117.5		70.26	417	47.24	5.82	61.30	36.52	217	24.78	2.93		
Sub total	1035	6	611	3873	412	49.06	516.86	2	332.92	1984	241.94	28.81	297.79	0	168.7	1096	129.1	15.37	
Total	5003	104	2940	17507	1958	233.28	2816.8	43	1605.73	9578	1197.9	142.51	1456.81	2.0	316.1	4843	640.7	76.15	

T:Total SW:Surface GW:Ground Water
 MP:Borehole With Mechanical Pump HP:Borehole With Hand Pump

(Cont'd)

	Population				Water Demand and Existing Supply				Capacity Improved				Proposed Capacity				No. of Boreholes								
	Urban		Rural		Urban		Rural		Urban		Rural		Urban		Rural		Urban		Rural						
	10 ³	Total	10 ³	Total	SW	GW	SW	GW	SW	GW	SW	GW	SW	GW	SW	GW	SW	GW	SW	GW					
(SW)																									
Delta	3552	2116	5688	33	482	495	0	135	153	630	20	1	21	27	403	495	0	133	133	1891	0.47	6.31	5.78	8.67	
	1510	959	2509	4	36	40	0	2	2	42										246	0.01	0.08	0.09	0.34	
Edo	3048	1715	4754	203	232	435	17	93	110	345	59	1	80	131	138	259	14	92	107	156	0.33	4.28	4.61	4.77	
	1381	773	2159	49	58	107	2	0	2	109										90	0	0.02	0.02	0.11	
Ondo	5421	3149	8569	409	394	803	25	177	202	1005	33	1	34	350	371	721	23	152	198	517	0.61	8.25	8.94	9.46	
	2437	1427	3864	35	14	49	1	3	4	53										32	0	0.45	0.45	0.49	
Osun	3582	1278	4861	195	394	589	5	77	82	671	31	2	33	133	387	520	4	71	75	1794	0.26	3.46	3.72	5.51	
	1624	579	2203	52	5	57	1	4	5	62										38	0	0.64	0.64	0.68	
Oyo	5001	2637	7638	974	205	1139	11	162	173	1312	86	1	87	762	190	952	10	57	167	882	0.57	7.51	8.08	8.96	
	2287	1222	3489	92	10	102	1	3	4	108										70	0	0.55	0.55	0.62	
Ogun	3630	1511	5141	346	299	645	28	70	78	744	70	3	73	251	132	443	28	64	90	144	0.23	2.98	3.21	3.33	
	1845	694	2339	68	54	132	1	4	5	137										77	0.02	0.25	0.25	0.36	
Lagos	12284	283	12567	3202	346	3548	0	17	17	3365	212	1	213	2627	163	2835	0	14	14	89	0.03	0.72	0.77	0.68	
	5568	119	5687	442	59	501	0	2	2	503										77	0.01	0.27	0.28	0.36	
Sub-T	35529	12749	48278	5274	3332	7656	85	731	816	8472	511	10	521	4331	1844	6175	77	705	782	5472	2.52	33.58	36.10	41.58	
	16352	5778	22130	743	245	988	6	18	24	1012										331	0.04	2.23	2.32	2.95	
(SE)																									
ENUGU	4389	2587	6977	249	410	659	0	166	166	824	58	0	58	125	355	481	0	184	184	284	0.59	7.73	8.32	8.60	
	1989	1173	3162	91	29	120	0	1	1	121										45	0	0.17	0.17	0.22	
Anambra	4051	2056	6107	164	437	601	0	132	132	732	28	0	28	142	403	545	0	130	130	376	0.47	6.32	6.79	7.17	
	1836	932	2768	12	16	28	0	2	2	30										22	0	0.21	0.21	0.24	
Imo	3773	1717	5490	109	375	484	0	110	110	594	51	1	52	73	272	345	0	106	106	396	0.37	5.01	5.38	5.58	
	1710	778	2488	27	61	88	0	3	3	91										53	0	0.49	0.49	0.54	
Cross R	1924	2193	4117	155	185	290	0	140	140	430	20	1	21	135	116	252	0	137	137	96	0.48	6.56	7.04	7.41	
	872	952	1866	10	8	18	0	2	2	20										12	0	0.35	0.35	0.36	
Abia	2907	2163	5070	250	307	457	7	132	139	395	22	2	24	192	179	371	6	127	133	335	0.48	6.07	6.53	6.66	
	1318	980	2298	43	19	64	0	4	4	68										21	0.01	0.49	0.50	0.52	
Akwaiibom	2748	2459	5207	0	367	367	0	157	157	524	44	1	45	0	289	289	0	154	154	342	0.55	7.25	7.80	7.94	
	1248	1114	2360	0	34	34	0	2	2	35										37	0	0.35	0.35	0.39	
Rivers	5429	3381	8790	0	791	791	0	215	215	1006	12	1	14	0	751	751	0	211	211	925	0.75	10.12	10.87	11.80	
	2451	1523	3984	0	27	27	0	3	3	30										50	0.02	0.21	0.21	0.28	
Sub-T	25222	15575	40797	928	2782	3648	7	1052	1059	4706	336	6	242	669	2355	3034	6	1929	1935	2127	3.87	49.06	52.73	54.89	
	11432	7494	18926	186	193	379	0	17	17	396										250	0.03	2.27	2.30	2.55	
Total	104792	61208	166000	10788	7307	18074	114	5088	5197	23271	1467	56	1523	7930	1036	14045	105	4899	5004	24834	27.51	333.29	350.80	355.46	
	49055	29462	88517	1949	590	2539	7	131	139	2777										2391	0.32	15.72	16.04	18.43	

upper row : Proposed SW : Capacity by surface water sources LWP : Borehole with large scale of mechanical pump RP : Borehole with mechanical pump
lower row : Present GW : Capacity by groundwater sources MP : Borehole with mechanical pump