Table 1.19(3/3) VILLAGE WATER SUPPLY INVENTORY OF BITOLA FORMER MUNICIPALITY

Ordinal number	Surface area (m^2)	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m^3)	Water balance
							in 1971			in 1991					Type of fund					
			1971	1991	1994	Rate	Level 3/ Network	Level 1	Level2/ communal	Level3	Others				RIHP	Village				
8.12	11,183,619	Sv.Todori	453	258	256	56.9		88	365	258				81 - 85	1.8	2.7	S	SP	50	-
8.13	11,663,690	Trnovci	873	651	435	74.5		163	710	651							S	GW	80	-
9.01	5,313,487	Gabalavci	277	208	146	75.1		86	191	208				81 - 86	1.5	1.5	S	SP	50	+
9.02	3,992,977	Dragarino	130	113	81	86.9		30	100		113						NS	SP		+
9.03	11,528,597	Dragozani	468	242	209	51.7		248	220	242							NS	SP		+
9.04	16,428,575	Drevenik	147	64	47	43.5			147		64	yes					NS	SP		+
9.05	18,543,007	Kukurechani	1637	1203	1001	73.5	40	557	1040	1203				75 -80	0.0	3.5	S	SW		-
9.06	19,950,692	Lisolaj	563	302	276	53.6		60	503	302				81 - 85	1.2	2.3	S	SP	80	+
9.07	24,006,485	Lopatica	591	406	331	68.7		100	491	406				75 -80	2.0	3.0	S	SP	80	+
9.08		N.Zmirnevo	158	68	60	43.3		140	17	68				75 -80	2.0	0.0	S	SW		+
9.09	9,893,217	Oblakovo	77	3	1				77		3	yes					NS	SP		+
9.10	12,828,931	Sekirani	344	140	126	40.7		140	204	140				81 - 85	1.6	2.3	S	SP	50	+
9.11	2,710,789	St.Zmirnevo	25	17	13	68.0			25		17						NS	GW		+
9.12	16,115,796	Crnobuki	803	666	444	82.9		360	443	666				75 -80	1.5	2.2	S	SW	50	-
9.13	14,597,179	Crnoce	571	253	124	44.3		80	491	253				80 - 85	1.8	2.5	S	SP	60	+
10.01	9,233,693	Gopesh	98	2	3				98		2	yes					NS	SP		+
10.02	7,569,989	Dolenci	482	367	281	76.1		62	420	367		yes		75 -80	2.0	0.0	S	GW		+
10.03	22,060,878	Gjavato	829	272	162	32.8		206	623	272		yes		76 - 80	3.0	2.5	S	SP	100	+
10.04	7,752,601	Kazani	180	126	104	70.0		10	170	126				75 -80	2.5	1.8	S	SP	60	+
10.05	12,983,623	Lera	378	271	153	71.7		120	258	271		yes					NS	SP	60	+
10.06	29,344,342	Malovishte	309	129	121	41.7			309		129	yes					NS	SP	80	+
10.07	5,357,626	Metimir	128	14	14	10.9		28	100	14		yes		81 - 85	1.8	1.2	S	SP	50	-
10.08	7,387,322	Ramna	285	94	86	33.0		135	150	94		yes					S	SW		+
10.09	10,371,084	Rotino	566	222	193	39.2		116	450	222		yes		75 -80	4.0	3.0	S	SP	100	+
10.10	4,258,806	Svinishta	164	0				64	100											+
10.11	33,311,289	Srpci	497	169	111	34.0		40	457	169		yes		81 - 85	2.5	2.6	S	SP	50	+
10.12	8,938,975	Strezevo	263	0				50	213											+
10.13	33,654,929	Capari	1468	796	565	54.2		48	1420	796		yes		75 -80	3.2	3.8	S	SP	150	+
11.01	3,942,265	Alinci	260	120	79	48.0		97	163	120		yes					S	GW	100	+
11.02	5,626,929	Budakovo	279	289	245	103.6		40	239		289		120				NS	GW		+
11.03	12,078,880	Dedebalci	509	478	322	93.9		450	59	478				81 - 85	2.0	1.5	S	GW		+
11.04	16,491,673	Dobrushevo	1104	893	646	80.9		587	517	893				81 - 85	2.0	3.5	S	GW		+
11.05	13,354,074	Moino	266	136	116	51.1		66	200		136	yes					NS	SP		+
11.06	11,575,573	Musinci	396	290	309	73.2		6	390	290		yes	450	81 - 85	1.5	0.0	S	SP	50	+
11.07	10,478,013	Noshpal	546	431	360	78.9		146	400		431			81 - 85	1.5	2.8	NS	GW		+
11.08	6,451,975	Puturus	272	87	72	32.0		12	260	87		yes		81 - 85	1.5	1.2	S	SP	50	+
11.09	6,226,825	Trap	282	240	176	85.1		170	112		240						NS	GW		+
11.10	12,515,934	Crnichani	185	48	54	25.9		5	180	48		yes		75 -80	1.5	2.6	S	SP	50	+
		Sub-total*	59795	39107	30795	7162.7	1543	15477	42868	31442	7665				138.8	141.1			3190	
		Average*	413.1	234.0	187.7	57.2	#DIV/0!	126.6	304.6	294.8	155.9				2.1	2.1			70.7	
		Total	59795	39107	30795	7162.7	1543	15477	42868	31442	7665		29005		138.8	141.1			3190	

*:excluding city

EUDV:Economically Under-developped Village

S:Suitable SW:Surface water
NS:Not suitable SP:Spring water
GW:Groundwater

Table . 1.20(1/3) VILLAGE WATER SUPPLY INVENTORY OF PRILEP FORMER MUNICIPALITY

Ordinal number	Surface area (m^2)	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir ($m3$)	Water balance
							in 1971			in 1991					Type of fund					
			1971	1991	1994	Rate	Level 3/ Network	Level 1	Level2/ communal	Level3	Others				RIHP	Village				
66.01	28,010,588	Belovodica	182	25	18	13.7	-	-	182	-	25	yes					NS	SP	40	+
66.02	11,116,561	Berovci	375	351	353	93.6	-	280	95	351	-	yes		85 - 90	0.0	4.5	S	GW	80	+
66.03	56,938,556	VAROSH	2555	3274	3251	128.1											S	SP,GW	400	-
66.04	6,179,136	Volkovo	79	33	41	41.8	-	-	79	-	33						NS	SP	-	+
66.05	7,420,065	Galichani	359	270	253	75.2	-	280	79	-	270						NS	GW	-	+
66.06	25,136,722	G.Radobil	304	104	108	34.2	-	-	304	-	104						NS	SP,GW	-	+
66.07	21,788,416	G.Konjari	922	718	685	77.9	-	256	666	-	718		400				NS	GW	-	+
66.08	16,781,713	Dabnica	41	15	13	36.6	-	-	41	-	15	yes					NS	SP	-	+
66.09	19,337,495	Dren	19	11	7	57.9	-	-	19	-	11						NS	SP	-	+
66.10	10,559,639	Kadino Selo	521	334	314	64.1	-	120	401	-	334		600				NS	GW	-	+
66.11	15,649,872	Krstec	21	6	8	28.6	-	-	21	-	6	yes					NS	SP	-	+
66.12	15,673,629	Lenishta	265	6	2	2.3	-	-	265	-	6	yes					NS	SP	-	+
66.13	16,886,353	Mazhuchishte	474	383	362	80.8	10	80	384	383	-			80 - 85	2.0	3.0	S	SP	-	+
66.14	8,244,470	Mal Radobil	63	20	23	31.7	-	-	63	-	20						NS	SP	-	+
66.15	14,697,005	Malo Konjari	804	745	713	92.7	-	350	454	745	-			75 - 80	1.0	2.0	S	GW	-	+
66.16	11,374,854	Malo Ruvci	250	26	27	10.4	-	60	190	-	26						NS	SP	-	+
66.17	52,624,513	Nikodin	212	29	10	13.7	-	-	212	-	29						NS	SP	-	+
66.18	2,682,993	Novo Lagovo	238	231	189	97.0	-	158	80	-	231						NS	GW	-	+
66.19	19,205,906	Oreovec	172	28	16	16.3	-	-	172	28	-	yes		80 - 85	1.5	0.0	S	SP	50	+
66.20	18,803,597	Pletvar	177	43	30	24.3	-	-	177	43	-	yes		75 - 87	3.0	0.0	S	SP	50	+
66.21	31,403,490	PRILEP	48202	66614	64897	138.2							8350				S	SP,GW	1600	+
66.22	7,783,502	Prilepec	119	19	16	15.9	-	10	109	-	19						NS	SP	-	+
66.23	27,001,427	Prisad	95	9	9	9.4	-	-	95	-	9	yes					NS	SP	-	+
66.24	17,252,720	Rakle	145	19	7	13.1	-	-	145	-	19						NS		-	+
66.25	15,321,132	Selce	295	297	310	100.7	-	8	287	297	-			80 - 85	2.0	1.5	S	SP	60	+
66.26	9,732,442	Smolani	2	0		-	-	-	-	-	-						NS	SP	-	+
66.27		Staro Lagovo	93	49	49	45.2	-	-	93	49	-			85 - 90	1.0	1.5	NS	GW	-	+
66.28	14,197,410	Toplica	73	8	6	10.9	-	-	73	-	8						NS	SP	-	+
66.29	19,709,832	Trojaci	119	29	30	24.4	-	-	119	-	29			83 - 91	3.0	0.0	NS	SP	-	+
66.30	20,150,974	Carevikj	77	15	12	19.5	-	-	77	-	15			85 - 90	2.0	0.0	NS	SP	-	+
66.31	9,421,179	Chumovo	171	46	33	26.9	-	-	171	-	46						NS	SP	-	-
66.32	17,354,324	Shtavica	413	129	107	31.2	-	20	393	-	129						NS	SP	-	+
67.01	7,946,639	Belo Polc	481	234	210	48.6	-	60	421	-	234						NS	GW	-	+
67.02	16,994,755	Brailovo	578	299	268	51.7	-	130	448	-	299						NS	SP,GW	-	+
67.03	13,354,092	Vranche	506	163	147	32.2	-	40	466	-	163						NS	SP	-	+
67.04	14,857,299	Gomo Selo	159	60	56	37.7	-	30	129	-	60						NS	SP	-	+
67.05	13,454,585	Gostirazni	280	150	110	53.6	15	40	225	15	135						NS	SP	-	+
67.06		Dabjani	0	0		-	-	-	-	-	-									+
67.07	27,830,924	Debreshte	2405	2483	2319	103.2	30	876	1499	2483	-			71 - 80	4.0	4.0	S	SP	150	+
67.08	24,394,000	Desovo	1481	1072	1080	72.4	75	270	1136	-	1072		1385				NS	GW	-	+
67.09	13,826,844	Dolgaec	381	106	101	27.8	-	140	241	-	106						NS	GW,SP	-	+
67.10	14,231,167	Dolneni	685	461	424	67.3	10	345	330	461	-			71 - 85	3.1	1.5	S	SP	-	+
67.11	12,435,891	Drenovci	616	265	238	43.0	-	112	504	-	265			75 - 80	1.0	0.0	NS	SP	-	+
67.12	8,893,766	Dupjachani	216	160	163	74.0	-	150	66	-	160						NS	GW	-	+
67.13		Zhabjani	42	51	56	121.4	-	-	42	51	-			71 - 75	1.0	0.0	NS	SP	-	-
67.14	5,374,600	Zabrchani	187	82	85	43.8	-	87	100	-	82						NS	SP	-	+
67.15	11,405,152	Zapolzhani	439	310	273	70.6	-	220	219	-	310						NS	SP,GW	-	+
67.16	12,553,381	Zrze	503	100	97	19.9	-	123	380	-	100		300				NS	SP	-	+

Table 1.20(2/3) VILLAGE WATER SUPPLY INVENTORY OF PRILEP FORMER MUNICIPALITY

Ordinal number	Surface area (m^2)	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir ($m3$)	Water balance
			1971	1991	1994	Rate	in 1971			in 1991					Type of fund					
							Level 3/ Network	Level 1	Level2/ communal	Level3	Others				RIHP	Village				
67.17	4,550,585	Kostinci	333	148	123	44.4	120	20	193	-	148						NS	SP,GW	-	+
67.18	10,247,944	Koshino	402	139	135	34.6	-	100	302	-	139						NS	SP,GW	-	+
67.19	2,787,164	Kutleshevo	145	53	34	36.5	-	25	120	-	53						NS	SP	-	+
67.20	11,881,731	Lazhani	1709	1952	1827	114.2	-	1540	169	1952	-			85 - 90	0.0	6.0	S	SP	-	-
67.21	3,747,156	M.Mramorani	96	49	52	51.0	-	6	90	-	49						NS	SP	-	+
67.22	7,108,777	Margari	200	36	35	18.0	-	60	140	-	36						NS	SP	-	+
67.23	16,868,026	Nebregovo	282	162	155	57.4	-	5	277	-	162						NS	SP	-	+
67.24	8,491,283	Novoselani	328	171	145	52.1	10	278	40	171	-			65 - 70	1.5	1.5	NS	GW,SP	-	+
67.25	8,380,508	Peshtalevo	500	456	448	91.2	-	250	250	-	456						NS	SP	-	+
67.26	12,561,428	Rilevo	671	140	106	20.8	-	410	251	-	140						NS	SP,GW	-	+
67.27	16,738,616	Ropotovo	822	617	597	75.1	-	10	812	617	-			65 - 75	2.0	3.0	S	SP	-	+
67.28	4,921,993	Sarandinovo	165	107	99	64.8	-	100	65	-	107						NS	GW,SP	-	+
67.29	8,939,216	Sekirci	473	330	258	69.7	-	134	339	-	330						NS	GW,SP	-	+
67.30	8,296,487	Senokos	386	287	298	74.3	-	156	230	-	287			80 - 90	2.5	2.5	S	SP	-	+
67.31	16,708,839	Slepche	577	135	102	23.4	-	17	560	-	135		700				NS	SP	-	+
67.32	2,608,281	Slivje	196	46	32	23.5	-	6	190	-	46						NS	SP	-	+
67.33	7,483,763	Sredorek	179	76	71	42.2	-	124	55	-	76						NS	GW	-	+
67.34	25,940,199	Strovje	400	73	75	18.2	40	80	280	73	-			80 - 85	4.0	0.0	S	SP	80	+
67.35	12,602,595	Crnilishte	1108	1529	1486	138.0	-	740	368	-	1529		500				NS	GW	-	-
68.01	11,736,192	Alinci	486	286	281	58.8	-	30	456	286	-	yes		1975-80	2.5	1.5	S	GW	60	+
68.02	20,786,380	Bonche	475	95	86	20.0	-	-	475	-	95	yes					NS	SP	-	+
68.03	7,686,238	Veselchani	319	129	121	40.4	-	230	89	-	129						NS	GW	-	-
68.04	12,100,256	Erekovci	643	520	455	80.9	10	416	217	-	520						NS	GW	-	+
68.05	10,440,442	Zagorani	455	275	190	60.4	-	35	420	-	275			75 - 85	2.5	0.0	NS	SP,GW	-	+
68.06	21,695,427	Kanatlarci	1031	1023	990	99.2	35	76	920	-	1023		300				NS	GW	-	+
68.07	4,246,795	Klepach	389	206	156	52.9	-	320	69	-	206						NS	GW,SP	-	+
68.08	16,458,120	Lopatica	417	113	80	20.1	-	-	417	-	113	yes					NS	SP,GW	-	+
68.09	14,192,724	Marul	280	40	39	14.3	-	80	200	-	40						NS	SP	-	+
68.10	11,515,508	Podmol	448	212	185	47.3	-	80	388	-	212	yes					NS	SP,GW	-	+
68.11	13,702,460	Topolchani	857	571	505	66.6	22	260	575	571	-			65 - 70	2.0	3.0	S	GW	100	+
68.12	2,421,303	Trojkrsti	258	100	97	38.7	-	20	238	-	100						NS	GW	-	+
68.13	6,294,504	Chepigovo	197	187	167	94.9	-	-	197	187	-			80 - 85	3.0	0.0	S	GW	-	+
68.14	5,316,459	Sheleverci	137	44	33	32.1	-	27	110	-	44						NS	SP	-	+
69.01	4,053,874	Bela Crkva	831	676	530	81.3	-	760	71	-	676						NS	GW	-	+
69.02	9,279,626	Borotino	353	270	264	76.5	-	320	33	-	270						NS	SP	-	-
69.03	4,467,991	Vogjani	551	516	473	93.6	-	511	40	-	516						NS	GW	-	+
69.04	14,703,292	Vrbjani	468	333	316	71.1	-	100	368	-	333		259.635				NS	GW	-	+
69.05	5,536,196	Godivje	346	231	214	66.8	-	76	270	231	-			71 - 75	2.5	0.0	S	SP	50	+
69.06	3,463,313	Korenica	181	91	87	50.3	-	90	91	-	91		300				NS	SP	-	+
69.07	14,956,498	Krivogashtani	2380	2181	1950	91.6	96	2014	270	-	2181		300				NS	GW	-	-
69.08	8,614,780	Krusheani	837	741	571	88.5	-	160	677	-	741						S	SP	80	+
69.09		Mirche Acev	44	0		-	20	24	-	-	-									+
69.10	6,659,051	Obrshani	1247	865	825	69.4	-	810	437	-	865						NS	GW	-	+
69.11	8,469,829	Pashino Ruvci	976	707	659	72.4	12	884	80	-	707						NS	GW	-	+
69.12		Slavej	437	423	423	96.8	-	17	420	-	423		215				NS	GW	-	+
70.01	67,206,043	Beshishte	1016	108	93	10.6	-	245	771	-	108	yes					NS	SP,GW	-	+
70.02	29,245,801	Veprchani	203	21	18	10.3	-	-	203	-	21	yes					NS	SP	-	+
70.03	63,425,227	Vitolishte	1110	376	290	33.8	-	-	1110	376	-	yes	400	80 - 85	2.0	3.0	NS	SP,SW	100	+

Table . .1.20(3/3) VILLAGE WATER SUPPLY INVENTORY OF PRILEP FORMER MUNICIPALITY

Ordinal number	Surface area (m^2)	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir ($m3$)	Water balance
							in 1971			in 1991					Type of fund					
			1971	1991	1994	Rate	Level 3/ Network	Level 1	Level2/ communal	Level3	Others				RIHP	Village				
70.04	16,060,530	Vrpsko	46	2	2	4.3	-	-	46	-	2	yes					NS	SP	-	+
70.05	21,272,268	Gjugjakovo	41	0		-	-	-	41	-	-	yes								+
70.06	43,814,117	Dunje	731	175	145	23.9	-	61	670	-	175	yes	700				NS	SW	-	-
70.07	17,245,011	Zhivovo	79	5	5	6.3	-	-	79	-	5	yes					NS	SP	-	+
70.08	22,587,999	Kalen	287	46	38	16.0	-	-	287	-	46	yes					NS	SP	-	-
70.09	21,636,801	Kokre	206	19	16	9.2	-	20	186	-	19	yes					NS	SP	-	+
70.10	27,686,778	Krushevica	595	146	117	24.5	-	15	580	-	146	yes		80 - 85	1.5	1.5	NS	SP	50	-
70.11	13,539,271	Manastir	139	13	12	9.3	-	-	139	13	-	yes		65 - 70	0.0	1.0	NS	SP	-	+
70.12	18,600,887	Peshtani	149	27	18	18.1	-	-	149	-	27	yes				-	NS	SP	-	-
70.13	83,996,934	Polchishte	479	64	45	13.3	-	9	470	-	64	yes					NS	SP	-	+
70.14	36,768,650	Chanishte	552	102	83	18.5	-	12	540	-	102	yes					NS	SP	-	-
		Sub-total*	48242	31713	29286	5017.7	505	16008	29182	9383	19056				50.6	41			1350	
		Average*	455.1	299.2	287.1	49.2	38.8	222.3	288.9	469.2	238.2				2.0	1.6			96.4	
		Total	96444	98327	94183	5155.9	505	16008	29182	9383	19056				50.6	41			2950	

*:excluding city

EUDV:Economically Under-developped Village

S:Suitable SW:Surface water
NS:Not suitable SP:Spring water
GW:Groundwater

Table 1.21(1/2) VILLAGE WATER SUPPLY INVENTORY KAVADARCI FORMER MUNICIPALITY

Ordinal number	Surface area (km^2)	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m^3)	Water balance
							in 1971			in 1991					Type of fund					
			1971	1991	1994	Rate	Level 3/ Network	Level 1	Level2/ communal	Level3	Others				RIHP	Village				
37.01	14,769,064	Begnishte	600	469	413	78.2	-	-	600	450	19			1980 - 85	2.5	1.5	S	SP,SW	-	+
37.02	5,273,906	Brushani	14	0			-	-	14											+
37.03	24,499,428	Vatasha	2225	2984	3120	134.1	140	805	1280	2984	-			80 - 85	2.2	0.1	S	SP,SW	-	+
37.04	6,996,382	Vozarci	652	881	884	135.1	-	350	302	881	-			80 - 85	3.0	0.4	S	SP,SW	-	+
37.05	52,090,789	Galishte	292	2	2	0.7	-	-	292	-	2	yes	-				NS	SP	-	+
37.06	16,869,910	Garnikovo	123	15	12	12.2	-	-	123	-	15						S	SP,SW	-	+
37.07	7,370,992	Glishik	652	1256	1365	192.6	180	390	82	1256	-			71 - 75	2.0	0.6	S	SP,SW	-	+
37.08	15,216,798	Grbovec	3	0			-	-	3											+
37.09	8,576,506	Dabnishte	249	48	43	19.3	-	-	249	-	48			60 - 62	1.0	0.2	NS	SP	-	+
37.10	5,740,991	Dobrotino	25	2	2	8.0	-	-	25	-	2						NS	SP	-	+
37.11	16,317,720	Dragozhel	87	9	6	10.3	-	-	87	-	9						NS	SP	-	+
37.12	10,325,217	Dradnja	39	5	3	12.8	-	-	39	-	5						NS	SP	-	+
37.13	19,879,750	Drenovo	1066	731	699	68.5	-	26	1040	220	511		3850	75 - 90	4.7	1.5	S	SP	80	+
37.14	38,753,022	KAVADARCI	18170	28251	28288	155.5											S	SP,SW	2000	+
37.15	10,490,978	Kesendre	158	7	9	4.4	-	-	158	-	7						NS	SP	-	+
37.16	6,439,248	Koshani	35	6	4	17.1	-	-	35	-	6						NS	SP	-	+
37.17	12,421,753	Marena	805	967	988	120.1	-	489	316	950	17			75 - 85	2.3	0.5	S	SP,SW	-	+
37.18	32,036,383	Pravednik	26	18	1	69.2	-	-	26	-	18						NS	SP	-	+
37.19	10,880,349	Raec	229	137	128	59.8	-	-	229	12	125			68 - 70	1.2	0.3	S	SP	30	+
37.20	11,889,180	Resava	492	197	179	40.0	-	5	487	-	197		1200	65 - 68	2.0	0.3	S	SP	40	+
37.21	19,845,042	Sopot	894	851	866	95.2	8	666	220	851	-			67 - 82	1.8	1.5	S	SP,SW	-	+
37.22	16,230,762	Farish	166	54	41	32.5	-	-	166	-	54			65 - 67	0.0	0.6	NS	SP	-	+
37.23	20,091,903	Sheshkovo	87	4	16	4.6	-	-	87	-	4						NS	SP	-	+
37.24	8,284,109	Shivec	285	138	120	48.4	-	5	280	138	-			75 - 85	2.0	1.2	S	SP,SW	-	+
38.01	31,815,495	Bojanchishte	282	59	60	20.9	-	-	282	59	-	yes		81 - 90	1.0	0.4	S	SP,SW	-	+
38.02	55,962,701	Bohula	256	35	33	13.7	42	14	200	-	35	yes		68 - 72	1.3	0.2	S	SP	50	+
38.03		Bunarche	24	6	4	25.0	-	-	24	-	6			89 - 90	0.0	1.1	NS	SP	-	+
38.04	43,603,957	Gorna Boshava	253	74	56	29.2	-	13	240	74	-	yes		75 - 80	2.6	0.3	S	SP	50	-
38.05		Dolna Boshava	177	51	46	28.8	-	-	177	51	-	yes		75 - 80	2.5	0.4	S	SP	50	+
38.06	76,831,067	Klinovo	15	2	5	13.3	-	-	15	-	2	yes					NS	SP	-	-
38.07	82,104,044	Konopishte	392	108	87	27.5	-	22	370	40	68	yes		75 - 85	3.0	0.0	S	SP	60	-
38.08	4,058,438	Krnjevo	226	65	50	28.8	-	50	176	-	65	yes	1200	80 - 85	2.5	0.0	S	SP	60	+
38.09	29,593,304	Kumanichevo	148	22	7	14.9	-	-	148	-	22	yes					NS	SP	-	+
38.10		Majden	39	5	4	12.8	-	-	39	-	5	yes					NS	SP	-	+
38.11	57,706,215	Mrezhichko	253	52	57	20.5	-	-	253	15	37	yes					S	SP	50	+
38.12		R'zhanovo	20	7	2	35.0	-	-	20	7	-	yes					NS	SP	-	-
38.13	95,882,349	Radnje	35	0			-	-	35			yes					NS	SP	-	+
38.14	81,924,988	Rozhden	446	30	27	6.7	-	32	414	-	30	yes		65 - 68	1.0	0.0	NS	SP	-	+
38.15	27,852,320	Stragovo	340	53	55	15.6	-	10	330	-	53	yes		67 - 68	0.0	1.2	S	SP,SW	-	-
38.16	18,642,121	Chemersko	187	24	17	12.8	-	7	180	-	24	yes		65 - 66	0.0	0.5	S	SP	50	+
39.01	12,831,758	Debrishte	203	114	117	56.1	-	-	203	-	114		500	68 - 70	0.8	0.3	NS	SP	-	+
39.02	7,258,277	Kamen Dol	127	101	110	79.5	-	-	127	35	66		300	75 - 85	2.0	0.3	S	SP	80	+
39.03	8,311,081	Krushevica	136	22	16	16.2	-	-	136	-	22						NS	SP	-	+
39.04	11,662,624	Manastirec	413	338	339	81.8	-	93	320	338	-		300	75 - 85	3.2	0.4	S	SP,SW	-	+
39.05	24,405,186	M.Oraorec	179	25	14	13.9	-	10	169	-	25						NS	SP	-	+
39.06	11,668,404	Palikura	325	208	209	64.0	-	15	310	200	8			71 - 80	3.0	1.0	S	GW	-	+

Table 1.21(2/2) VILLAGE WATER SUPPLY INVENTORY KAVADARCI FORMER MUNICIPALITY

Ordinal number	Surface area (km^2)	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m^3)	Water balance
			1971	1991	1994	Rate	in 1971			in 1991					Type of fund					
							Level 3/ Network	Level 1	Level2/ communal	Level3	Others				RIHP	Village				
39.07	6,749,466	Ribarci	142	50	39	35.2	-	50	92	34	16			75 - 85	2.5	0.2	S	SP,SW	-	+
39.08	19,916,844	Rosoman	1914	2465	2489	128.8	-	1320	594	2465	-		550	75 - 85	3.0	3.5	S	SP,SW	-	+
39.09	22,954,220	Sirkovo	894	694	657	77.6	18	286	590	680	14		3600	65 - 68	3.0	1.0	S	SP	100	+
39.10	6,846,358	Trstenik	328	257	248	78.3	-	320	8	257	-			75 - 88	3.0	0.4	S	SP,SW	-	+
		Sub-total*	16958	13648	13649	2100	388	4978	11592	11997	1651				59.1	19.9			700	
		Average*	346.1	278.5	296.7	45.7	97.0	237.0	241.5	571.3	50.0				2.0	0.7			58.3	
		Total	35128	41899	41937	2255.5	388	4978	11592	11997	1651				59.1	19.9			2700	

*:excluding city

SW:Surface water
SP:Spring water
GW:Groundwater

EUDV:Economically Under-developped Village

S:Suitable
NS:Not suitable

SW:Surface water
SP:Spring water
GW:Groundwater

Table 1.22 VILLAGE WATER SUPPLY INVENTORY NEGOTINO FORMER MUNICIPALITY

Ordinal number	Surface area (m^2)	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m^3)	Water balance
							in 1971			in 1991					Type of fund					
			1971	1991	1994	Rate	Level 3/ Network	Level 1	Level2/ communal	Level3	Others				RIHP	Village				
60.01	14,610,466	Brusnik	76	2													NS	SP		+
60.02	18,560,755	Veshje	348	88	68	25.3	-	5	343	-	88	yes	200	80 - 85	1.2	0.0	S	SP	50	+
60.03	15,042,613	Vojshanci	438	445	441	101.6	55	270	262	445	-			71 - 75	2.0	0.0	S	GW	80	+
60.04	15,111,736	Gorni Disan	173	37	25	21.4	-	-	173	-	37	yes		75 - 80	1.3	0.0	NS	SP	-	+
60.05	29,925,136	Dolni Disan	967	1004	991	103.8	22	185	760	1004	-			75 - 80	5.0	1.5	S	SP	125	+
60.06	7,138,072	Dubrovo	111	73	65	65.7	-	-	111	73	-			75 - 80	0.6	2.0	S	GW	50	+
60.07		Janoshevo	0	0													NS	SP		+
60.08	27,542,026	Kalanjevo	6	0								yes					NS	SP		+
60.09	9,058,844	Krivolak	757	974	897	128.6	-	63	694	974	-			71 - 75	3.5	0.0	S	GW	100	+
60.10	16,232,495	Kjurija	338	216	234	63.9	-	10	328	216	-			75 - 80	2.6	0.0	S	SP	80	+
60.11	11,995,501	Lipa	0	0								yes								+
60.12	25,099,134	NEGOTINO	7139	12356	12516	173.1							2400				S	SW,SP	400	+
60.13	38,286,598	Pepelishte	863	1036	1033	120.0	46	450	367	1036	-			75 - 85	3.2	0.0	S	SW,SP	100	+
60.14	30,742,455	Peshternica	12	3	3							yes					NS	SP		+
60.15	16,947,290	Timjanik	607	1088	1094	179.2	-	190	117	1088	-			71 - 75	2.2	0.0	S	SW,SP	-	+
60.16	12,842,791	Tremnik	639	826	818	129.2	15	406	218	826	-			75 - 85	2.0	0.0	S	GW	80	+
60.17	16,698,609	Crveni Bregovi	330	158	156	47.9	-	115	215	-	158						NS	GW	-	+
60.18		Dzidimirci	0	0																+
60.19	15,900,372	Sheoba	0	0								yes								+
61.01	14,491,845	Barovo	106	26	28	24.5	11	-	95	-	26	yes	300				NS	SP	-	+
61.02	20,722,517	Besvica	304	69	81	22.7	21	-	283	-	69	yes	2000	1990 - 91	2.0	3.5	S	SP	50	+
61.03	23,908,155	Bistrenci	394	330	347	83.7	-	160	234	330	-		460	71 - 75	2.4	0.0	S	GW	80	+
61.04	61,411,101	Demir Kapija	2547	3388	3249	133.0	50	1330	1167	3388	-		1000	71 - 75	2.6	2.0	S	SP	200	+
61.05	40,004,550	Drachevica	87	9	4							yes					NS	SP		+
61.06	46,040,939	Dren	260	144	151	55.4	-	77	183	144	-		550	75 - 85	4.0	0.0	S	SP	50	+
61.07	34,110,410	Iberli	59	8	6							yes					NS	SP		+
61.08		Klisura	27	0													NS	SP		+
61.09		Koprishnica	0	0																+
61.10	18,137,816	Koreshnica	315	440	434	139.7	-	150	165	440	-		900	71 - 80	3.0	0.0	S	GW	80	+
61.11	14,636,160	Kosharka	42	40	44	95.2	-	-	42	-	40	yes					NS	SP	-	+
61.12	19,412,045	Przhdevo	609	326	316	53.5	-	159	450	326	-			75 - 85	2.4	0.0	S	SP	80	+
61.13		Strmashevo	0	0								yes								+
61.14	12,076,660	Chelevec	64	53	49	82.8	-	6	58	-	53	yes					NS	SP	-	+
61.15	5,921,226	Chiflik	166	107	106	64.5	12	40	114	107	-			75 - 85	2.4	0.0	S	SP	-	-
		Sub-total*	10645	10890	10640	1741.6	232	3616	6379	10397	471				42.4	9			1205	
		Average*	322.6	330.0	443.3	82.9	33.1	241.1	319.0	799.8	78.5				2.7	0.6			86.1	
		Total	17784	23246	23156	1914.7	232	3616	6379	10397	471				42.4	9			1605	

*:excluding city

EUDV:Economically Under-developped Village

S:Suitable NS:Not suitable

SW:Surface water SP:Spring water GW:Groundwater

Table 1.23 VILLAGE WATER SUPPLY INVENTORY OF VALANDOVO FORMER MUNICIPALITY

Ordinal number	Surface area (m^2)	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m^3)	Water balance
							in 1971			in 1991					Type of fund					
			1971	1991	1994	Rate	Level 3/ Network	Level 1	Level2/ communal	Level3	Others				RIHP	Village				
15.01		Ajranli	0	0																+
15.02		Arazli	0	0																+
15.03	22,326,581	Bajrambos	32	6	8	18.7	-	-	32			yes					NS	SP	-	+
15.04	5,567,200	Balinci	284	338	333	119.0	-	70	214	338	-		150	81 - 87	4.5	0.0	NS	GW	100	+
15.05		Barakli	0	0								yes								+
15.06	8,018,004	Bashali	57	0								yes								+
15.07	3,213,424	Bashibos	194	269	201	138.7	-	-	194	269	-	yes		86 -	3.2	0.0	S	SP	50	+
15.08	6,066,671	Brajkovci	437	423	424	96.8	-	122	315	-	423		1220	86 -	4.0	0.0	NS	SP	100	+
15.09	6,586,965	Buluntuli	55	5		9.1	-	-	55	-	5						NS	SP	-	+
15.10	15,385,649	VALANDOVO city	2779	4418	4357	159.0	1100	1400	279				3680				S	SP,GW	600	+
15.11		Vejseli	0	0																+
15.12	112,236,596	Gradec	355	4		1.1	-	60	295			yes					NS	GW	-	+
15.13	15,658,360	Grchishte	423	303	286	71.6	-	15	408	303	-		450	73 - 80	3.5	0.0	S	GW	60	+
15.14	9,073,506	Dedeli	182	268	252	155.8	-	-	182	268	-	yes	1040	80 - 86	2.9	0.0	S	SP	80	+
15.15		Gjulele	0	0																+
15.16	18,979,423	Josifovo	1199	1730	1721	144.3	15	720	464	1730	-		340	71 - 86	11.0	1.8	S	SP	150	+
15.17	18,651,190	Kazandol	124	158	152	127.4	24	-	100	-	158	yes		71 - 75	0.0	1.0	NS	SP	-	+
15.18	4,851,483	Kochuli	64	109	95	170.3	-	-	64	-	109	yes		86 - 91	2.0	0.0	S	SP	-	-
15.19	7,638,482	Marvinci	462	524	519	113.4	-	115	347	524	-		50	81 - 85	3.5	0.0	S	SP	80	+
15.20	20,359,060	Pirava	1368	1808	1839	132.1	140	1100	128	1808	-		650	73 - 85	8.0	1.0	S	SP	200	+
15.21	22,614,408	Plavush	23	0								yes								+
15.22	2,088,359	Prsten	83	107	105	128.9	-	-	83	-	107	yes		73 - 85	2.0	0.0	S	SP	50	+
15.23	10,003,646	Rabrovo	216	267	271	123.6	30	136	50	267	-			73 - 85	3.0	1.0	S	GW	-	+
15.24	7,677,209	Sobri	241	244	250	101.2	-	216	25	244	-	yes	100	73 - 85	3.6	0.0	S	SP	80	+
15.25		Tatarli	24	121	116	504.2	-	-	24	-	121	yes		81 - 91	1.0	2.0	S	GW	-	+
15.26	3,064,025	Terzeli	8	0									50							+
15.27		Udovo	505	865	886	171.3	-	300	205	865			790	73 - 85	11.0	1.0	NS	SP,SW	150	+
15.28	9,097,327	Chalakli	85	297	277	349.4	-	-	85	297		yes	40	75 - 80	5.0	0.0	S	SP,SW	100	+
15.29	2,282,542	Cheshtovo	0	0								yes								+
		Sub-total*	6421	7846	7735	2676.9	209	2854	3270	6913	923				68.2	7.8			1200	
		Average*	229.3	280.2	455.0	140.9	52.3	285.4	172.1	691.3	184.6				4.5	0.5			100.0	
		Total	9200	12264	12092	2835.9	1309	4254	3549	6913	923				68.2	7.8			1800	

*:excluding city

EUDV:Economically Under-developped Village

S:Suitable
NS:Not suitable

SW:Surface water
SP:Spring water
GW:Groundwater

Table 1.24 VILLAGE WATER SUPPLY INVENTORY OF GEVGERIA FORMER MUNICIPALITY

Ordinal number	Surface area (m^2)	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m^3)	Water balance
							in 1971			in 1991					Type of fund					
			1971	1991	1994	Rate	Level 3/ Network	Level 1	Level2/ communal	Level3	Others				RIHP	Village				
18.01	15,182,121	Bogorodica	894	1010	1011	112.9	130	620	144	1010	-			76 - 85	7.5	1.0	S	GW	-	+
18.02	14,259,500	GEVGELIJA city			14974															+
18.03	17,580,087	Kovanci	246	230	212	93.5	-	50	196	-	230		200	71 - 75	3.0	0.0	S	SP	50	+
18.04	66,315,565	Konsko	4	1		25.0						yes					S	SP	50	+
18.05	16,429,773	Moin	291	263	273	90.4	-	50	241	263	-	yes		71 - 73	4.0	0.0	S	SP	80	+
18.06	6,892,422	Mrzenci	379	475	480	125.3	40	290	49	475	-		1700	71 - 73	1.0	3.0	S	GW	-	+
18.07	29,467,303	Negorci	1594	2108	1837	132.2	145	1109	340	2108	-		1500	71 - 80	9.0	2.0	S	SP	150	+
18.08	17,365,714	Novo Konsko	224	158	145	70.5	-	-	224	158	-			75 - 80	3.5	0.0	S	GW	50	-
18.09	18,196,241	Prdejci	493	532	538	107.9	100	393	-	532	-		600	71 - 80	5.0	2.0	S	SP	100	+
18.10	73,940,398	Sermenin	388	48	18	12.4	-	-	388	48	48			71 - 75	2.5	0.0	S	SP	-	+
18.11	41,861,276	Huma	7	1		14.3	-	-	7	1	-	yes	100	75 - 80	2.3	0.0	S	SP	50	+
19.01	24,001,173	Gabrovo	175	41	31	23.4	-	35	140	-	41			71 - 75	1.5	0.0	NS	SP	-	+
19.02	25,264,964	Davidovo	419	356	364	84.9	10	150	259	356	-		25	75 - 80	4.5	0.0	S	SP	-	+
19.03	6,465,102	Miletkovo	165	121	122	73.3	-	40	125	-	121		800	65 - 70	0.0	1.0	NS	SP	-	+
19.04	28,869,864	Miravci	1525	1683	1667	110.4	125	1020	380	1683	-		1825	73 - 80	12.0	3.0	S	SP	200	+
19.05	57,709,515	Petrovo	431	267	269	61.9	-	30	401	-	267		500	71 - 75	2.0	0.0	S	SP	-	+
19.06	24,385,729	Smokvica	493	361	326	73.2	200	250	43	361	-		400	65 - 80	6.0	2.5	S	SP	100	+
20.01	67,014,326	Bogdanci	4152	5894	6031	141.9	1992	1770	390	5894	-		2850	65 - 80	2.0	5.0	S	GW	200	-
20.02	13,815,952	Gjavoto	512	510	485	99.6	50	360	102	510	-			71 - 80	2.0	2.0	NS	SP	-	+
20.03	6,085,532	Selemli	303	335	342	110.6	-	140	163	-	335	yes		65 - 70	0.0	0.0	NS	GW	-	+
20.04	27,462,233	Stojakovo	2063	2054	2041	99.6	540	1060	463	2054	-			75 - 80	6.5	1.5	S	GW	-	+
21.01	2,207,913	Durutli	69	45	41	65.2	-	-	69	-	45	yes		71 - 75	0.0	1.5	NS	SP	-	-
21.02	8,403,239	Gjopcheli	34	254	257	747.1	-	-	34	-	254	yes		71 - 80	1.5	1.0	NS	SP	-	-
21.03	5,284,833	Kurtamzali	126	227	187	180.1	-	-	126	-	227	yes		75 - 80	2.5	0.0	NS	SP	-	+
21.04	14,636,746	Nikolich	470	540	529	114.9	-	-	470	540	-	yes	400	71 - 73	4.0	0.0	S	SP	80	-
21.05	18,296,517	Nov Dojran	1033	1175	1199	113.7	420	50	563	1175	-		1350	71 - 75	2.0	3.0	S	GW	-	-
21.06	9,421,509	Organdzali	11	21	22	190.9	-	-	11	-	21	yes		65 - 70	0.0	1.0	NS	SP	-	-
21.07	7,914,410	Sevendekli	70	43	20	61.4	-	-	70	-	43	yes		65 - 70	0.0	1.5	NS	SP	-	+
21.08	15,673,168	Sretenovo	136	241	268	177.2	66	70	-	241	-			71 - 75	2.0	2.0	S	GW	-	+
21.09	9,211,002	Star Dojran	260	355	328	136.5	80	85	95	355	-		600	65 - 75	1.0	4.0	S	GW	200	-
21.10	21,444,759	Furka	681	566	586	83.1	-	40	641	566	-		650	71 - 80	5.2	0.0	S	GW	100	-
21.11	10,196,913	Cmichani	214	223	214	104.2	-	-	214	223	-	yes	630	71 - 75	2.6	0.0	S	SP	50	+
21.12	4,467,602	Chaushli	0	0								yes								+
21.13	2,003,254	Djumabos	8	0								yes	1000							+
		Gornichet	200	0																
		Sub-total*	18070	20138	19843	3637.5	3898	7612	6348	18553	1632				95.1	37			1460	
		Average*	547.6	610.2	684.2	121.3	324.8	400.6	235.1	976.5	163.2				3.3	1.3			112.3	
		Total	18070	20138	34817	3637.5	3898	7612	6348	18553	1632				95.1	37			1460	

*:excluding city

EUDV:Economically Under-developped Village

S:Suitable NS:Not suitable

SW:Surface water SP:Spring water GW:Groundwater

Table 1.25(1/2) VILLAGE WATER SUPPLY INVENTORY OF OHRID FORMER MUNICIPALITY

Ordinal number	Surface area (m^2)	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m^3)	Water balance
			1971	1991	1994	Rate	in 1971			in 1991					Type of fund					
							Level 3/ Network	Level 1	Level2/ communal	Level3	Others				RIHP	Village				
62.01	17,917,184	Velgoshti	1677	2372	2241	141.4	532	850	295	2372	-			80 - 85	0.0	5.0	S	SP	125	+
62.02	29,765,707	Velestovo	1123	1213	1103	108.0	25	90	1008	1213	-	yes		75 - 85	2.5	0.0	S	SP	100	+
62.03	9,283,353	G.Lakocherej	663	867	582	130.7	-	345	318	867	-			80 - 85	4.8	0.0	S	SP	80	+
62.04		Dolno Konjsko																		+
62.05	11,367,690	D.Lakocherej	826	933	646	112.9	190	523	113	933	-		400	75 - 80	1.2	1.0	S	SP	100	+
62.06		Elesec																		+
62.07	17,174,082	Elshani	619	678	674	109.5	-	14	605	678	-	yes		70 - 72	0.3	1.2	S	SP	80	+
62.08	20,143,264	Konjsko	706	658	590	93.2	-	53	653	658	-	yes		80 - 85	2.0	0.0	S	GW,L	-	+
62.09		Lagadin																		+
62.10	7,944,701	Leskoec	1339	3051	2668	227.8	306	910	123	3051	-			71 - 80	3.3	3.7	S	SP	125	-
62.11	38,583,337	Ljubanishta	348	197	185	56.7	91	222	35	197	-			75 - 85	4.8	3.3	S	SP	80	+
62.12		Naselba Istok																		+
62.13		Orman	160	161	121	100.6	-	80	80	161	-			89 - 90	2.5	1.0	S	SP,GW	-	-
62.14	18,800,809	OHRID	26369	42060	41146	159.4							1000				S	SP,GW,L	2000	+
62.15	6,240,927	Peshtani	1222	1415	1346	115.8	15	533	674	1415	-			73 - 75	0.9	4.0	S	L	150	-
62.16		Podmole	176	239	269	135.8	10	60	106	-	239		2160				S	SP,GW,L	-	+
62.17	19,197,623	Ramne	279	628	589	225.1	-	-	279	-	628						S	SP	-	+
62.18		Racha	-	960		-	-	-	-	960	-			90 - 91	0	2.5	S	SP,GW,L	50	+
62.19																				+
62.20	13,188,625	Trpejca	392	358	360	91.3	36	320	36	358	-			75 - 80	2.3	3.2	S	SP		+
62.21		Shipokno	109	119	212	109.1	-	9	100	-	119						NS	SP	-	-
63.01	7,363,908	Arbinovo	195	43	32	22.0	-	25	170	-	43	yes					NS	SP,GW	-	+
63.02	9,206,860	Belchishta	788	608	489	77.1	-	290	498	608	-	yes	200	1971 - 85	4.0	2.0	S	SP	100	+
63.03	12,552,814	Botun	453	323	212	71.3	-	138	315	323	-	yes		75 - 80	3.0	1.0	S	SP	60	+
63.04	34,951,634	Brezhani	425	53	56	12.5	-	5	420	53	-	yes		80 - 85	1.5	0.0	S	SP	80	-
63.05	39,298,218	Velmej	1091	653	582	59.8	-	208	883	653	-	yes		75 - 85	6.0	1.0	S	SP	80	+
63.06	31,516,169	Vrbjani	371	129	106	34.8	-	21	350	-	129	yes		68 - 69	2.0	0.0	NS	SP	-	+
63.07	29,002,097	Godivje	479	152	104	31.7	-	35	444	52	100	yes		62 - 64	1.2	0.0	NS	SP	50	+
63.08	2,824,921	G.Sredorechje	140	49	38	35.0	-	-	140	49	-	yes	200	75 - 80	2.3	0.0	S	SP	50	-
63.09		Grko Pole	63	37	27	58.7	-	-	63	-	47						NS	SP	-	+
63.10		D.Sredorechje	70	66	55	94.3	-	-	70	66	-	yes	200	80 - 85	2.3	0.0	S	SP	50	-
63.11	14,769,724	Zlesti	552	382	333	69.2	-	22	530	382	-	yes		80 - 85	3.2	2.2	S	SP	80	+
63.12	13,530,410	Izdeglavje	445	167	150	37.5	-	92	353	-	167	yes					NS	SP	-	+
63.13	17,992,027	Laktinje	365	127	93	34.8	-	-	365	-	127	yes	1050	80 - 85	1.7	0.0	NS	SP	-	+
63.14	16,552,662	Leshani	703	593	472	84.3	-	230	473	593	-	yes	200	71 - 75	2.6	0.0	S	SP	80	+
63.15	18,629,860	Mramorec	132	19	15	14.4	-	-	132	-	19	yes					NS	SP	-	+
63.16	5,124,418	Novo Selo (Be)	176	137	92	77.8	-	125	51	-	137	yes	200	80 - 85	1.0	0.0	S	SP	60	+
63.17	18,250,551	Ozdoleni	325	99	79	30.4	-	325	-	99	-	yes					S	SP	60	+
63.18	23,672,032	Pesochani	268	126	106	47.0	-	-	268	126	-	yes		80 - 85	2.0	1.7	S	SP	59	+
63.19	27,283,980	Slatino	800	222	204	27.7	-	50	750	222	-	yes		80 - 90	3.0	2.0	S	SP	80	+
63.20		S.Chiflik	92	18	14	19.5	-	-	92	-	18	yes					S	SP	-	-
63.21	11,776,069	Slivovo	194	38	24	19.6	-	20	174	38	-	yes		75 - 80	1.4	0.0	NS	SP	40	+
63.22		Soshani	111	24	18	21.6	-	-	111	-	24	yes					NS	SP	-	+
63.23	11,718,874	Turje	205	45	36	21.9	-	-	205	45	-	yes					NS	SP	40	+
63.24	17,137,856	Crvena Voda	127	26	17	20.4	-	-	127	26	-	yes		80 - 85	2.1	0.0	S	SP	50	-
64.01	8,540,557	Vapila	285	163	124	57.2	-	165	120	163	-			80 - 85	2.0	0.0	S	SP	60	+
64.02	18,240,789	Zavoj	531	54	41	10.1	11	-	520	54	-	yes		85 - 90	3.5	0.0	S	SP	60	+
64.03	8,939,822	Kosel	798	697	657	87.3	130	530	138	697	-			62 - 89	1.0	2.0	S	SP	100	+

Table 1.25(2/2) VILLAGE WATER SUPPLY INVENTORY OF OHRID FORMER MUNICIPALITY

Ordinal number	Surface area (m^2)	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m^3)	Water balance
							in 1971			in 1991					Type of fund					
			1971	1991	1994	Rate	Level 3/ Network	Level I	Level2/ communal	Level3	Others				RIHP	Village				
64.04	24,125,104	Kuratica	895	494	417	55.2	40	125	730	494	-	yes	70	75 - 85	3.5	0.5	S	SP	100	-
64.05	7,880,720	Livoishta	282	252	196	89.3	-	220	62	252	-			78 - 79	0.0	3.0	S	SP	60	+
64.06	16,621,360	Openica	509	124	104	24.3	-	9	500	-	124	yes					NS	SP	-	-
64.07	19,460,471	Plakje	163	38	34	23.3	-	-	163	-	38	yes					S	SP	50	+
64.08		Rasino	56	14	13	25.0	-	6	50	-	14	yes		80 - 85	1.5	0.0	S	SP	40	-
64.09	10,206,016	Rechica (Ko)	166	12	5	7.2	-	-	166	-	12	yes					S	SP	40	+
64.10	26,523,070	Svinishta	701	126	130	17.9	-	56	645	-	126	yes	400				NS	SP	-	+
64.11	23,641,843	Sirula	363	36	25	9.9	-	3	360	-	36	yes					NS	SP	-	-
64.12	18,073,202	Skrebatino	271	13	13	4.5	-	11	260	-	13	yes					NS	SP	-	+
65.01	5,081,057	Volino	752	681	512	90.5	15	577	160	15	666						S	SW,GW,L	80	+
65.02	5,348,642	Gorenci	605	465	369	76.8	-	340	265	-	465		1790	80 - 85	2.4	0.0	S	SP,GW,L	80	+
65.03	3,679,160	Klimeshtani	156	116	57	74.3	-	136	20	-	116		600	91 - 92	1.2	0.0	S	SP	60	+
65.04	24,710,196	Mesheishta	1586	1257	904	79.2	25	735	826	1257	-		3260	71 - 80	3.2	1.6	S	GW	100	+
65.05	9,512,273	Orovnik	454	578	489	127.3	44	400	10	578	-		1790	70 - 72	1.5	3.0	S	SP,L		+
65.06	12,172,438	Trebenishta	868	816	587	94.0	-	530	338	816	-			71 - 80	3.5	3.4	S	SP	125	+
		Sub-total*	27650	23921	19617	3734.5	1470	9438	16742	20524	3407				87.2	48.3			2855	
		Average*	493.8	419.7	350.3	66.7	113.1	230.2	310.0	586.4	154.9				2.3	1.3			75.1	
		Total	54019	65981	60763	3893.9	1470	9438	16742	20524	3407				87.2	48.3			4855	

*:excluding city

EUDV:Economically Under-developped Village

S:Suitable
NS:Not suitable

SW:Surface water
SP:Spring water
GW:Groundwater

Table 1.26(1/2) VILLAGE WATER SUPPLY INVENTORY OF STRUGA FORMER MUNICIPALITY

Ordinal number	Surface area (m^2)	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir ($m3$)	Water balance
							in 1971			in 1991					Type of fund					
			1971	1991	1994	Rate	Level 3/ Network	Level 1	Level2/ communal	Level3	Others				RIHP	Village				
85.01	2,384,917	Bidzhevo	410	191	450	46.6	-	334	76	191	-			1975 - 80	1.0	0.9	S	SP	-	+
85.02	20,334,045	Vishni	168	25	25	14.9	-	-	168	25	-	yes		75 - 80	2.0	0.0	S	SP	-	+
85.03	5,874,806	Vranishte	801	1454	1420	181.5	-	754	47	1454	-			71 - 75	1.5	2.4	S	SP	-	+
85.04		G.Belica	200	0	2		-	-	-	-	-	yes	500	85 - 91	2.0	1.0				+
85.05	6,423,229	D.Belica	687	920	894	133.9	-	-	687	920	-			80 - 85	2.2	2.4	S	SP	-	+
85.06	4,573,608	Draslajca	805	843	804	104.7	-	560	245	843	-			80 - 85	2.5	1.0	S	SP	-	+
85.07	4,822,891	Zagrachani	617	950	1008	153.9	210	387	20	950	-			75 - 80	2.0	1.5	S	SP	-	+
85.08	3,760,335	Kalishta	785	1100	992	140.1	15	42	728	1100	-			75 - 80	2.5	2.0	S	SP	100	+
85.09	5,725,977	Lozhani	684	727	710	106.3	-	305	379	727	-			75 - 80	2.4	1.0	S	SP	-	+
85.10	9,830,059	Mali Vlaj	312	162	161	51.9	12	-	300	162	-	yes		80 - 85	2.3	0.0	S	SP	-	+
85.11	13,175,304	Misleshevo	1308	3095	3246	236.6	274	900	134	3095	-			75 - 80	2.4	3.0	S	SP	-	-
85.12	6,070,991	Moroishta	799	950	909	118.9	50	349	400	950	-			71 - 75	3.0	1.0	S	SP	-	+
85.13	13,377,443	Oktisi	2278	3083	2806	135.3	645	1308	325	3083	-	yes	1200	80 - 85	3.0	2.0	S	SP	200	+
85.14	7,941,007	Radozhda	777	818	849	105.2	-	25	752	818	-			71 - 75	2.5	1.5	S	SP	120	-
85.15	14,388,629	Radolishta	2097	3600	2892	171.6	420	1207	470	3600	-	yes		75 - 80	2.0	2.0	S	SP	150	-
85.16	8,270,924	STRUGA	11475	20000	16037	174.3							10100				S	SP	600	+
85.17	9,463,582	Frangovo	1088	1500	1554	137.8	117	262	709	1500	-	yes		85 - 90	2.0	1.5	S	SP	100	+
85.18		Shum	503	800	750	159.0	23	100	380	800	-			75 - 80	2.5	0.0	S	SP		+
86.01	2,507,399	Bezovo	199	80	67	40.2	120	39	40	-	80	yes					NS	SP	-	+
86.02	7,116,154	Brchevo	308	50	33	16.2	6	6	296	50	-	yes		80 - 85	2.4	0.0	S	SP	150	-
86.03		Burinec	2	0			-	-	-	-	-	yes		80 - 85	3.6	0.0	S	SP	80	+
86.04		Globochica	0	0																+
86.05	7,451,178	Drenok	22	4	2	18.2	-	-	22	4	-	yes		80 - 85	3.0	0.0	S	SP	50	+
86.06	50,754,501	Zbazhdi	92	16	15	17.4	-	-	92	-	16	yes					NS	SP	-	-
86.07	39,110,431	Jablanica	1393	832	741	59.7	25	25	1343	832	-	yes		80 - 85	2.0	3.0	S	SP	100	+
86.08		Lakaica	60	2	7		-	-	-	-	-	yes					NS	SP	-	-
86.09		Lokov	0	0								yes	1000	85 - 90	3.0	0.0				+
86.10	13,122,166	Lukovo	1025	528	511	51.5	16	162	847	528	-	yes	200	71 - 75	2.6	1.0	S	SP	-	+
86.11	16,267,355	Modrich	405	61	51	15.0	5	-	400	61	-	yes		75 - 85	2.5	0.6	S	SP	80	+
86.12	7,301,718	Nerezi (Lu)	539	257	232	47.7	-	30	509	257	-	yes		71 - 75	2.5	0.0	S	SP	80	+
86.13	5,574,571	Piskupshtina	284	265	256	93.3	-	-	284	265	-	yes		71 - 75	3.0	0.0	S	SP	80	+
86.14	20,288,911	Prisovjani	222	18	13	8.1	46	-	176	-	18	yes		89 - 92	2.5	0.0	NS	SP	-	+
86.15		R'zhanovo	0	0								yes								+
86.16	27,971,662	Selci	2	0	4		-	-	-	-	-	yes		75 - 90	3.0	1.5				+
87.01	4,519,129	Bogojci	228	200	156	87.7	-	8	220	200	-	yes					NS	SP	80	-
87.02	15,081,651	Delogozhda	1717	2400	2229	139.8	562	1010	145	2400	-			80 - 85	1.5	2.5	S	SP	-	+
87.03	8,867,053	Koroshishta	1075	1400	1516	130.2	15	734	326	1400	-			71 - 75	2.5	2.2	S	SP	100	+
87.04	3,548,809	Livada	909	1350	1332	148.5	-	879	30	1350	-			85 - 90	1.0	2.0	S	SP	-	+
87.05	9,916,388	Mislodezhda	547	700	582	127.9	182	335	30	700	-	yes		71 - 75	1.5	2.0	S	SP	-	+
87.06	1,913,195	Novo Selo (Dc)	144	250	213	173.6	-	88	56	250	-			85 - 88	0.0	2.0	S	SP	-	+
87.07	12,375,668	Poum	335	250	188	74.6	-	130	205	-	250	yes					NS	SP	-	-
87.08		Toska	69	0			-	-	-	-	-									+
87.09		Dzhepin	189	450	345	238.1	-	50	139	-	450			90 - 91	0.0	4.0	NS	SP	-	+
88.01	13,893,809	Boroec	779	922	970	118.3	234	475	70	922	-	yes	100	80 - 85	2.3	2.0	S	SP	50	+
88.02	20,006,264	Labunishta	3611	5657	5901	156.6	980	591	2040	5657	-	yes	700	80 - 85	2.3	4.6	S	SP	200	+
88.03	13,646,259	Podgorci	1390	2173	2231	156.3	-	150	1240	2173	-	yes	800	75 - 85	2.5	2.5	S	L	150	+
88.04	9,459,248	Tashmarunishta	419	185	210	44.1	-	-	419	185	-			80 - 85	1.5	1.0	S	SP	80	-
89.01	9,350,394	Veleshta	3355	5000	5034	149.9	56	2178	1121	5000	-		2000	75 - 80	1.5	4.5	S	SP	50	-

Table 1.26(2/2) VILLAGE WATER SUPPLY INVENTORY OF STRUGA FORMER MUNICIPALITY

Ordinal number	Surface area (m^2)	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir ($m3$)	Water balance
							in 1971			in 1991					Type of fund					
			1971	1991	1994	Rate	Level 3/ Network	Level 1	Level2/ communal	Level3	Others				RIHP	Village				
89.02	7,390,747	G.Tateshi	719	900	869	125.2	-	445	274	900	-			80 - 85	2.0	2.0	S	SP	-	+
89.03	1,069,359	Dobovjani	306	430	424	140.5	36	270	-	430	-			80 - 85	2.0	1.0	S	SP	-	+
89.04	5,274,508	D.Tateshi	434	530	590	122.1	-	408	26	530	-			85 - 90	1.5	2.0	S	SP	-	+
90.01	35,677,574	Vevchani	2467	2482	2448	100.6	1015	1010	442	2482	-	yes	2000	75 - 80	1.5	3.1	S	SP	-	+
		Sub-total*	37565	47610	46642	4599.8	5064	15556	16612	46794	814				91.5	66.7			2000	
		Average*	736.6	933.5	1014.0	107.0	230.2	471.4	405.2	1264.7	203.5				2.2	1.6			105.3	
		Total	49040	67610	62679	4774.1	5064	15556	16612	46794	814				91.5	66.7			2600	

*:excluding city

EUDV:Economically Under-developped Village

S:Suitable
NS:Not suitable

SW:Surface water
SP:Spring water
GW:Groundwater

Table 1.27 VILLAGE WATER SUPPLY INVENTORY OF DEBAR FORMER MUNICIPALITY

Ordinal number	Surface area (m^2)	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m^3)	Water balance
							in 1971			in 1991					Type of fund					
			1971	1991	1994	Rate	Level 3/ Network	Level 1	Level2/ communal	Level3	Others				RIHP	Village				
31.01	9,788,838	Banishte	174	220	195	126.4	-	-	174	220	-	yes		75 - 85	2.8	1.0	S	SP	120	+
31.02	5,169,728	Bomovo	166	0			-	-	166			yes								+
31.03		Vlasiki	0	0																+
31.04	7,521,394	G.Kosovrasti	607	723	867	119.1	-	-	607	585	138	yes		81 - 91	3.6	1.5	S	SP	80	+
31.05	12,109,204	DEBAR	8823	15000	13340	170.0	-	-									S	SP	700	+
31.06	8,441,702	D.Kosovrasti	394	667	689	169.2	-	20	374	667	-		150	85 - 90	4.2	0.0	S	SP	80	+
31.07	6,468,387	Konjari	415	0			-	40	375	-	-	yes								+
31.08		Krivci	100	3	54	3.0	-	-	100	-	3						NS	SP	-	+
31.09	8,485,027	Otishani	355	566	544	159.4	-	-	355	-	566	yes	100	75 - 80	2.5	0.0	S	SP	60	+
31.10		Odzovci	132	231	241	175.0	-	-	132	231	-			75 - 80	1.2	0.0	S	SP	50	-
31.11	2,606,963	Rajchica	77	30	34	38.9	-	-	77	15	15		100	85 - 91	0.9	0.4	S	SP	50	+
31.12	4,228,436	Selokukji	593	550	608	92.7	-	-	593	550	-	yes		80 -90	4.0	0.0	S	SP	-	+
31.13	4,962,231	Spas	322	100	275	31.0	-	-	322	100	-	yes		75 - 80	3.0	0.0	S	SP	-	+
31.14	4,437,460	T.Elevci	44	23	13	52.3	-	-	44	23	-	yes		80 - 85	0.8	0.0	S	SP	50	+
31.15		Trnanik	45	0			-	-	45	-	-	yes								+
31.16	6,966,781	Hame	258	280	307	108.5	-	-	258	280	-	yes		75 - 80	2.2	0.0	S	SP	50	+
31.17	3,417,385	Dzepishte	303	477	421	157.4	-	-	303	-	477	yes	400	75 - 85	2.0	0.0	S	SP	70	+
32.01	1,715,454	Bajramovci	241	248	257	102.9	-	-	241	78	170	yes		75 - 80	1.0	2.0	S	SP	80	-
32.02	2,953,635	Balanci	344	410	359	119.2	-	-	344	410	-			80 - 90	2.5	2.0	S	SP	-	+
32.03	2,785,081	Breshtani	70	110	105	157.1	-	-	70	-	110	yes		85 - 90	1.5	0.0	S	SP	50	+
32.04	9,707,493	Broshtica	559	769	718	137.6	-	-	559	769	-	yes	650	78 - 91	3.0	1.5	S	SP	100	+
32.05	3,728,076	G.Papradnik	1012	1044	962	103.1	-	300	712	1044	-			75 - 85	3.2	1.8	S	SP	250	+
32.06	2,545,095	Gorenci	284	318	363	111.9	-	-	284	318	-	yes		80 - 85	1.5	0.0	S	SP	-	+
32.07	5,707,686	G.Melnichani	18	0			-	-	18	-	-	yes								+
32.08	4,734,417	Dolgash	60	111	117	185.0	-	-	60	-	111	yes					NS	SP	-	-
32.09	3,769,341	D.Melnichani	69	17	23	24.6	-	-	69	17	-			75 - 80	1.5	0.0	S	SP	30	-
32.10	4,042,254	Evla	0	0								yes								+
32.11	11,463,052	Elevci	114	201	190	176.3	-	-	114	-	201	yes	373.5	80 - 90	1.2	0.0	NS	SP	30	+
32.12	6,112,239	Zhitinci	316	429	536	135.6	-	-	316	429	-	yes		80 - 85	3.0	1.5	S	SP	60	+
32.13	10,960,748	Kochishta	0	0								yes								+
32.14	12,604,343	Kodzadzik	79	201	207	254.4	-	-	79	78	123	yes	120	80 - 91	2.5	0.0	S	SP	50	-
32.15	3,064,089	M.Papradnik	653	772	753	118.2	-	30	623	772	-			75 - 85	2.5	1.0	S	SP	-	+
32.16	8,846,284	Novak	539	931	949	172.7	-	-	539	-	931	yes	950	85 - 91	3.3	0.0	S	SP	80	+
32.17	4,469,982	Osolnica	10	3		30.0	-	-	10	-	3	yes					NS	SP	-	+
32.18	2,175,176	Pareshi	0	0					0			yes								+
32.19	1,522,012	Pralenik	104	149	146	143.2	-	-	104	-	142	yes					NS	SP	-	+
32.20		Center Z			466								6530							+
32.21		Cmoboci	59	49	49	83.0	-	-	59	-	49						NS	SP	-	+
		Sub-total*	8516	9632	10448	3287.7		-	8126	6586	3039				53.9	12.7			1340	
		Average*	236.6	267.6	373.1	117.4		-	253.9	387.4	233.8				2.5	0.6			74.4	
		Total	17339	24632	23788	3457.7		390	8126	6586	3039				53.9	12.7			2040	

*:excluding city

EUDV:Economically Under-developped Village

S:Suitable
NS:Not suitable

SW:Surface water
SP:Spring water
GW:Groundwater

Table 1.28 VILLAGE WATER SUPPLY INVENTORY OF RESEN FORMER MUNICIPALITY

Ordinal number	Surface area (m^2)	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m^3)	Water balance
							in 1971			in 1991					Type of fund					
			1971	1991	1994	Rate	Level 3/ Network	Level 1	Level2/ communal	Level3	Others				RIHP	Village				
76.01	29,073,202	Arvati	536	515	183	96.01		235	301	515	-	yes	300	1971 - 75	3.0	1.0	S	SP	80	+
76.02	1,900,508	Asamati	202	234	195	115.84		108	94	234	-		860	71 - 75	1.5	2.0	S	SP	150	+
76.03	29,459,248	Bolno	480	433	289	90.21		257	223	433	-			80 - 85	5.0	1.0	S	SP	80	+
76.04	17,122,672	Kriveni	302	58	212	19.21		180	122	-	58						NS	SP	-	+
76.05	13,525,091	Kurbinovo	248	176	102	70.97		8	240	176	-		670	71 - 75	2.5	1.0	S	SP	-	+
76.06	16,670,796	Lavci	312	197	215	63.14		44	268	197	-	yes		80 - 87	1.9	0.0	S	SP	80	+
76.07	60,283,621	Brajchino	698	810	104	117.60	28	22	639	810	-	yes		75 - 80	2.5	1.5	S	SP	-	+
76.08	5,913,411	Volkoderi	70	103	123	147.14			70	-	103	yes					S	SP,GW	-	+
76.09	2,672,582	G.B.Crkva	506	467	476	92.29		350	156	467	-			80 - 90	2.6	2.0	S	SP,GW	-	+
76.10	6,733,670	G.Dupeni	304	150	249	49.34			304	150	-	yes		85 - 90	2.8	0.0	S	SP,GW	50	+
76.11	21,170,320	Gorno Krushje	281	137	260	48.70		142	139	137	-		150	75 - 80	2.7	0.0	S	SP	-	+
76.12	11,349,945	Grnchari	1049	809	213	77.12	155	673	221	809	-		1700	71 - 80	3.0	2.0	S	SP	100	+
76.13	5,403,366	D.B.Crkva	404	292	460	72.28		210	194	292	-			80 - 90	2.5	0.0	S	SP,GW	-	+
76.14	14,213,473	D.Dupeni	434	399	138	91.94	8	90	336	399	-	yes		71 - 85	4.0	1.5	S	SP	100	+
76.15	4,007,823	D.Perovo	351	189	217	53.85		100	251	-	189		275.365	71 - 75	2.0	0.0	NS	GW		+
76.16	4,556,659	Drmeni	810	827	124	102.10	12	210	588	20	807						S	GW,SP	120	+
76.17	26,146,315	Evia	313	175	198	55.91		25	288	-	175	yes		80 - 85	2.0	0.0	NS	SP	-	+
76.18	6,670,863	Ezerani	272	253		93.01		260	12	253	-		600	85 - 90	1.8	0.0	S	SP,GW	-	+
76.19	15,790,432	Zlatari	210	127	1214	60.50		10	200	127	-			80 - 85	2.2	0.0	S	SP	60	+
76.20	6,933,412	Izbishta	263	212	120	80.61		90	153	212	-	yes		80 - 85	2.6	0.0	S	SP	-	+
76.21		Ilino	2	0	4															+
76.22	9,505,398	Jankovec	925	1292	529	139.68	375	170	380	1292	-			75 - 80	2.5	0.0	S	SP	-	+
76.23	6,294,255	Kozjak	352	271	49	76.99		230	122	271	-	yes		85 - 90	2.0	0.0	S	SP,GW		+
76.24	3,956,907	Konjsko	46	12	122	26.10		6	40	-	12			80 - 85	1.5	0.0	NS	SP,L		-
76.25	6,115,004	Krani	1207	978	145	81.80	12	500	695	987	-		750	71 - 80	3.0	1.6	S	SP	100	+
76.26	25,149,018	Leva Reka	207	125	73	60.39		25	182	-	125						NS	SP	-	+
76.27	24,910,876	Leskoec	160	16	13	10.00		30	130	-	16	yes		80 - 85	2.0	0.0	NS	SP,GW	-	+
76.28	13,576,166	Ljubojno	753	425	238	56.44	20	133	600	425	-	yes		71 - 80	4.0	1.2	S	SP	100	+
76.29	4,869,859	Nakolec	739	505	295	68.34	20	280	439	505	-	yes		75 - 85	3.0	1.0	S	GW	80	+
76.30	13,208,565	Oteshevo	52	0			12		40											+
76.31	11,340,163	Petrino	29	0					29											+
76.32	12,656,648	Podmochani	742	565	350	76.15	20	160	562	565	-		1500	75 - 80	2.7	0.0	S	SP	80	+
76.33	10,562,886	Pokrvenik	132	107	100	81.00		50	82	107	-			80 - 85	2.4	0.0	S	SP,GW	-	+
76.34	2,597,461	Preljubje	70	24	23	34.29			70		24	yes					NS	SP	-	+
76.35	3,944,628	Pretor	234	164	153	70.09	136	70	28	164			670	71 - 75	2.5	0.0	S	SP	-	+
76.36	4,606,412	Rajca	159	80	72	50.31		29	130	80				80 - 85	2.3	0.0	S	SP	50	+
76.37	16,177,380	RESEN	7142	9736	8684	136.32							5000				S	SP,GW	600	+
76.38	10,369,318	Slivnica	266	205	166	77.07		36	230	205				75 - 80	3.0	0.0	S	SP	80	+
76.39	20,451,786	Sopotsko	533	321	246	60.23		116	417	321				75 - 85	3.5	0.0	S	SP	80	+
76.40	17,432,744	Stenje	454	331	324	72.91		74	380	331				71 - 85	4.0	0.0	NS	L	80	+
76.41	3,272,021	Stipona	46	0					46											+
76.42	7,540,588	Carev Dvor	1152	1046	708	90.80		720	432	1046			1500	80 - 85	2.2	0.0	S	SP,GW	-	+
76.43	9,412,851	Shtrbovo	290	320	195	110.34		100	190	320				75 - 85	3.0	0.0	S	SP	80	+
76.44	11,243,630	Shurlenci	111	108	100	97.30		21	90	108		yes		80 - 85	1.5	0.0	S	SP,GW	-	+
		Sub-total*	16706	13458	8997	2938	798	5764	10113	11958	1509				89.7	15.8			1550	
		Average*	388.5	313.0	230.7	75.3	79.8	164.7	246.7	398.6	188.6				2.7	0.5			86.1	
		Total	23848	23194	17681	3074.3	798	5764	10113	11958	1509				89.7	15.8			2150	

*:excluding city

EUDV:Economically Under-developped Village

S:Suitable NS:Not suitable

SW:Surface water SP:Spring water GW:Groundwater

Table 1.29(1/2) VILLAGE WATER SUPPLY INVENTORY OF RADOVISH FORMER MUNICIPALITY

Ordinal number	Surface area (m^2)	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir ($m3$)	Water balance
			1971	1991	1994	Rate	in 1971			in 1991					Type of fund					
							Level 3/ Network	Level 1	Level2/ communal	Level3	Others				RIHP	Village				
73.01		Ali Koch	293	351	356	119.8	-	-	293	-	351	yes	1590	1971 - 85	2.2	0.0	NS	SP	-	-
73.02	4,854,939	Ali Lobasi	13	0								yes								+
73.03	18,331,148	Buchim	198	338	337	170.7	-	22	176	-	338			80 - 85	1.5	1.0	NS	SP	-	-
73.04	10,338,474	Voislavci	784	803	798	102.4	-	112	672	803	-			80 - 85	3.0	1.5	S	GW	120	+
73.05	16,864,844	Damjan	591	371	348	62.8	-	15	576	371	-			75 - 85	2.0	1.5	S	GW	60	+
73.06	12,959,333	Drzhani	11	0								yes								+
73.07	2,843,091	Durutlija	0	0								yes								+
73.08	21,879,127	Inevo	1189	1492	1546	125.5	18	557	614	1492	-			80 - 85	2.5	2.0	S	GW	150	+
73.09	8,856,220	Kalauzija	64	219	235	342.2	-	-	64	-	219	yes		80 - 85	1.2	0.0	S	SP	-	-
73.10	15,467,738	Kalugjerica	708	961	812	135.7	97	570	41	961	-			80 - 85	2.5	1.5	S	GW,SP	-	+
73.11	1,797,810	Karalobasi	0	0																+
73.12	2,507,886	Karadzhalar	0	0								yes								+
73.13	29,125,331	Kozbunar	118	35	23	29.7	-	-	118	-	35	yes		80 - 85	1.5	0.0	NS	SP	-	+
73.14	16,827,378	Kodzhalija	351	415	398	118.2	-	-	351	-	415	yes	1590	71 - 85	1.5	0.0	NS	SP	-	-
73.15	24,352,909	Novo Selo (Ra)	7	2								yes								+
73.16	17,400,513	Oraovica	1555	1668	1687	107.3	-	1120	435	1668	-		200	80 - 85	3.0	1.5	S	SP,GW	125	+
73.17	10,070,391	Papavnica	79	3	3							yes					NS	SP	-	+
73.18	5,309,368	Pogulevo	105	27	18	25.7	-	10	95	-	27	yes					NS	GW,SP	-	+
73.19	10,223,995	Prnalija	153	168	136	109.8	-	-	153	-	168	yes					NS	SP	-	-
73.20	24,433,544	RADOVISH city	9639	15178	15068	157.4							3500				S	GW	1200	+
73.21	6,643,005	Raklish	429	466	479	108.6	80	280	69	466	-			80 - 85	1.8	1.5	S	GW	-	+
73.22	6,010,772	Sarigjol	0	0																+
73.23	9,859,940	Suldurci	401	288	262	71.8	-	81	320	288	-			85 - 88	2.6	2.0	S	GW,SP	80	+
73.24	4,424,944	Supurge	46	66	61	143.5	-	-	46	-	66	yes					NS	SP	-	-
73.25	16,106,427	Topolnica	541	650	532	120.1	-	241	300	650	-			85 - 88	2.0	1.0	S	GW	80	-
73.26	9,084,655	Kjoselija	0	0								yes								+
73.27	9,584,103	Hudaverlija	0	0																+
73.28	7,180,671	Cheshma Male	0	6								yes								+
73.29	16,116,960	Shaintash	4	0								yes								+
73.30	21,387,945	Shipkovica	133	30	20	22.5	-	-	133	-	30	yes		80 - 85	2.4	0.0	NS	SP	-	+
73.31	6,206,610	Shturovo	102	35	24	34.3	-	-	102	-	35	yes		80 - 85	2.1	0.0	NS	SP	-	+
74.01	12,874,253	Gabrevci	436	398	368	91.3	-	-	436	398	-	yes		80 - 85	2.8	1.0	S	SP	60	+
74.02	10,432,061	Garvan	165	23	23	13.9	-	-	165	-	23	yes					NS	SP	-	+
74.03	9,086,279	G.Vrashtica	2	0								yes								+
74.04	18,034,169	G.Lipovikj	439	179	176	40.8	-	-	439	-	179	yes		80 - 85	1.5	0.0	S	SP	60	+
74.05	22,191,467	Dedino	762	774	779	101.5	-	118	644	774	-	yes	350	75 - 80	3.1	0.6	S	GW	100	+
74.06	4,942,599	D.Vrashtica	56	0								yes								+
74.07	23,251,074	D.Lipovikj	574	468	467	81.5	-	52	522	468	-	yes	50	71 - 75	2.8	0.0	S	SP	80	+
74.08	2,032,606	Dolni Radesh	86	1								yes								+
74.09	7,387,111	Zagorci	158	14	12	8.8	-	10	148	14	-	yes	50	90 - 91	2.6	0.0	NS	SP	-	+
74.10	42,126,882	Konche	966	1003	977	103.8	15	15	936	700	303	yes		75 - 85	2.4	1.0	S	SP	150	+
74.11	44,686,850	Lubnica	595	379	366	63.7	-	5	590	379	-	yes		75 - 85	2.0	0.9	S	SP	80	+
74.12	7,654,390	Negrenovci	0	0								yes								+
74.13	20,810,770	Rakitec	468	516	527	110.2	-	20	448	516	-	yes	250	80 - 85	2.0	1.0	S	SP	80	+
74.14	15,218,227	Skorusha	231	23	18	9.9	-	-	231	-	23	yes					NS	SP	-	+
75.01	17,388,208	Zleovo	931	910	959	97.7	-	211	720	910	-			75 - 80	2.3	1.4	S	GW	250	+
75.02	17,947,861	Jargulica	650	777	811	119.5	-	80	570	777	-			75 - 80	2.1	1.2	S	GW	-	+

Table 1.29(2/2) VILLAGE WATER SUPPLY INVENTORY OF RADOVISH FORMER MUNICIPALITY

Ordinal number	Surface area (m^2)	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir ($m3$)	Water balance
			1971	1991	1994	Rate	in 1971			in 1991					Type of fund					
							Level 3/ Network	Level 1	Level2/ communal	Level3	Others				RIHP	Village				
75.03	34,642,460	Podaresh	1359	1393	1413	102.5	-	733	626	1393	-		800	80 - 85	2.5	1.0	S	SW	250	+
75.04	6,596,623	Pokrajchevo	324	433	415	133.6	-	50	274	433	-			71 - 80	1.5	0.0	S	GW	-	+
75.05	51,321,293	Smilanci	309	112	71	36.2	-	-	309	-	112			80 - 85	2.3	0.0	NS	SP	-	+
		Sub-total*	16386	15797	15457	3065.8	210	4302	11616	13461	2324				61.7	21.6			1725	
		Average*	334.4	322.4	454.6	92.9	70.0	226.4	363.0	747.8	166.0				2.3	0.8			115.0	
		Total	26025	30975	30525	3223.2	210	4302	11616	13461	2324				61.7	21.6			2925	

*:excluding city

EUDV:Economically Under-developped Village

S:Suitable
NS:Not suitable

SW:Surface water
SP:Spring water
GW:Groundwater

Table 1.30(1/2) VILLAGE WATER SUPPLY INVENTORY OF STRUMICA FORMER MUNICIPALITY

Ordinal number	Surface area (m^2)	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir ($m3$)	Water balance
							in 1971			in 1991					Type of fund					
			1971	1991	1994	Rate	Level 3/ Network	Level 1	Level2/ communal	Level3	Others				RIHP	Village				
79.01	7,429,403	Banica	895	1283	1163	143.3	30	50	815	-	1283		500	1980 - 85	2.0	0.0	NS	GW	-	+
79.02	8,108,509	Belotino	127	51	40	40.1	-	-	127	-	51	yes					NS	SP	-	+
79.03	26,880,781	Veljusa	1808	1693	1577	93.6	15	25	1768	1693	-			68 - 72	2.0	3.0	S	SP	200	+
79.04	9,435,374	Vodocha	255	343	326	134.5	-	5	250	-	343		1000	80 - 85	2.0	2.0	NS	SW	60	+
79.05	4,316,105	G.Baldovci	532	776	732	145.8	-	232	300	-	776						NS	GW,SP	-	+
79.06	7,609,224	Dabilja	1671	1969	1962	117.8	-	755	916	-	1969			71 - 75	2.5	0.0	NS	GW	-	-
79.07	5,521,655	Dobrejci	1122	1693	1693	150.9	-	695	427	-	1693						NS	GW	-	-
79.08	15,314,860	Popchevo	707	459	443	64.9	-	-	707	-	459	yes	1170	85 - 91	8.0	0.0	S	SP	120	+
79.09	5,072,719	Prosenikovo	1170	1494	1500	127.7	-	70	1100	-	1494						S	GW		-
79.10	24,501,916	Rich	491	376	365	76.6	-	6	485	-	376	yes	120	80 - 85	2.0	0.0	S	SP	60	+
79.11	20,446,057	STRUMICA city	23034	34424	34067	149.4							5600				S	SW	4350	+
80.01		Badilen	304	2	2	0.7	-	-	304	-	2	yes					NS	SP	-	+
80.02	9,041,868	Bajkovo	273	11	5	4.0	-	-	273	-	11	yes					NS	SP	-	+
80.03	31,407,815	Barbarevo	375	103	85	27.4	-	-	375	-	103	yes					NS	SP	-	+
80.04	9,480,382	Borisovo	415	486	444	117.1	-	375	40	486	-			81 - 85	1.0	2.0	NS	GW	-	+
80.05	18,839,538	Gabrovo	561	443	428	78.9	-	11	550	443	-			68 - 71	1.0	2.5	S	SP	80	+
80.06	10,931,809	Drazhevo	650	579	467	89.1	-	-	650	579	-	yes		80 - 85	2.5	0.0	S	SP	150	+
80.07	4,113,601	Zubovo	657	735	694	111.8	-	260	397	-	735						NS	GW	-	+
80.08	9,611,027	Koleshino	1140	1028	880	90.1	300	790	50	1028	-			70 - 83	4.0	2.0	S	SP	120	+
80.09	21,566,303	Mokrievo	1471	1486	1324	101.0	18	1380	73	1486	-			65 - 71	1.5	2.0	S	SP	120	+
80.10	9,404,681	Mokrino	997	878	781	88.0	30	932	35	878	-			65 - 71	1.2	2.0	S	SP	100	+
80.11	26,747,771	N.Konjarevo	750	1190	1040	158.6	20	30	700	1190	-	yes		71 - 81	3.5	2.0	S	GW	120	+
80.12	19,284,520	Novo Selo (NS)	2143	2894	2692	135.0	40	110	1993	2894	-		920	65 - 71	1.5	5.0	S	GW	250	-
80.13		Samoilovo	0	360	370		-	-	-	-	360	yes	120	85 - 91	1.2	0.0	NS	GW	-	-
80.14	16,526,909	Smolari	986	811	628	82.2	-	-	986	811	-		320	65 - 71	1.5	2.0	S	SP	80	+
80.15	12,023,702	S.Konjarevo	847	900	616	106.2	7	-	840	900	-	yes	100	65 - 71	1.6	2.2	S	SP	80	+
80.16	24,822,531	Stinik	341	131	113	38.4	-	-	341	-	131	yes	100				NS	SP	-	-
80.17	23,778,383	Sushica	1852	1953	1813	105.4	12	236	1604	1953	-			84 - 90	6.0	2.0	S	GW,SW	250	-
81.01	5,822,794	Angelci	787	911	893	115.7	60	660	67	-	911						NS	GW	-	+
81.02	8,202,857	Varvarica	150	14	2	9.3	-	-	150	-	14	yes					NS	SP	-	+
81.03	7,768,167	Vasilevo	1332	2106	2050	158.1	107	936	289	-	2106			85 - 90	1.5	0.0	NS	GW	-	-
81.04	19,644,265	Visoka Maala	213	405	410	190.1	-	-	213	-	405			85 - 86	7.0	0.0	S	SP	50	-
81.05	7,649,061	Vladievci	535	733	723	137.0	-	212	323	-	733		1200				NS	GW	60	+
81.06	8,456,750	Gradoshorci	1077	1486	1473	137.9	18	939	120	-	1486		1100				NS	GW	-	-
81.07	27,378,264	Kukushlija	0	0	885							yes								-
81.08	33,067,643	Nivichino	302	5	450	1.6	-	-	302	-	5						NS	SP	-	+
81.09	17,933,657	Nova Maala	540	816	228	151.1	18	6	516	816	-		1000	71 - 90	2.0	7.0	S	SP,SW	100	+
81.10	7,418,011	Piperevo	1018	1310		128.7	-	378	640	1310	-			80 - 85	2.5	1.5	S	GW	-	+
81.11	8,975,886	Radichevo	543	594		109.4	-	37	506	543	-			85 - 90	3.5	1.0	S	SP	80	+
81.12	4,469,364	Sedlarci	322	357	739	110.8	-	30	292	357	-			85 - 91	1.0	1.5	S	SP	60	+
81.13	23,980,125	Dobroshinci	682	956	1300	140.1	33	289	360	450	506			68 - 72	1.5	2.0	NS	GW	-	-
81.14	8,087,084	Dukatino	426	484	582	113.6	-	120	306	484	-			80 - 85	7.5	0.0	S	SP	100	+
81.15	4,159,291	Edrenikovo	322	230	334	71.4	-	100	222	-	230		200	80 - 85	3.5	0.0	S	GW	50	+
81.16	10,691,062	Sushevo	648	740	745	114.2	-	448	200	-	740		2270				NS	GW	-	+
81.17	9,219,303	Trebichino	201	37	26	18.4	-	-	201	-	37	yes		80 - 85	3.0	0.0	S	SP	50	+
81.18	17,951,786	Chanaklija	413	556	569	136.4	-	-	413	556	-			80 - 85	4.5	0.0	S	SP	80	+
82.01	4,981,448	Borievo	754	854	889	113.2	-	30	724	-	854						NS	GW	-	+
82.02	9,337,263	Bosilovo	1575	1754	1701	111.3	-	25	1550	-	1754						NS	GW	-	-

Table 1.30(2/2) VILLAGE WATER SUPPLY INVENTORY OF STRUMICA FORMER MUNICIPALITY

Ordinal number	Surface area (m^2)	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir ($m3$)	Water balance
			1971	1991	1994	Rate	in 1971			in 1991					Type of fund					
							Level 3/ Network	Level 1	Level2/ communal	Level3	Others				RIHP	Village				
82.03	9,204,172	Gecherlija	333	376	394	112.9	-	240	93	-	376						NS	SP	-	+
82.04	23,060,586	Drvosh	639	674	695	105.5	-	20	619	674	-			80 - 85	12.0	0.0	S	SP	120	+
82.05	3,343,397	Ednokukjevo	504	662	654	131.3	-	84	420	-	662						S	GW	-	+
82.06	32,214,253	Ilovica	1724	1928	1912	111.8	-	154	1570	1928	-			75 - 80	2.5	3.0	S	SW	150	-
82.07	3,430,711	Petralinci	420	590	600	140.4	-	400	20	-	590						NS	GW	-	+
82.08	4,351,541	Radovo	679	881	884	129.7	20	496	163	-	881						NS	GW	-	-
82.09	3,473,063	Robovo	628	577	576	91.9	-	160	468	-	577						NS	GW	-	+
82.10	3,891,940	Saraj (Bo)	712	879	940	123.4	-	27	675	-	879						NS	GW	-	+
82.11	9,188,009	Sekirnik	1174	1249	1198	106.4	-	1054	120	-	1249						NS	GW	-	+
82.12	3,407,554	S.Baldovci	189	266	262	140.7	-	180	9	-	266						NS	SP	-	+
82.13	5,383,443	Turnovo	1066	1177	929	110.4	-	896	170	-	1177			75 - 80	2.0	0.0	NS	GW	-	+
82.14	20,767,593	Hamzali	81	26	20	32.1	-	68	13	-	26						NS	SP	-	+
82.15	16,445,622	Shtuka	749	858	822	114.5	-	31	718	858	-		500	71 - 80	2.5	0.0	S	SW	150	+
83.01	11,563,917	Dorlombos	305	274	274	89.8	-	-	305	-	274	yes		75 - 80	3.5	0.0	NS	SP	-	-
83.02	8,229,087	Zleshevo	0	0																+
83.03	24,558,601	Kosturino	1626	1398	1235	85.9	-	256	1370	1398	-			71 - 80	7.0	0.0	S	SP	100	+
83.04	21,988,556	Kuklish	2057	2560	2517	124.4	24	323	1710	2560	-			80 - 90	7.0	1.0	S	SW	150	-
83.05	10,474,273	Memeshli	105	122	82	116.2	-	15	90	-	122	yes		75 - 80	3.0	0.0	S	SP	40	+
83.06	6,828,454	Ormanli	80	102	94	127.5	-	5	75	-	102	yes		80 - 85	2.0	0.0	NS	SP	-	-
83.07	4,195,880	Raborci	155	107	112	69.0	-	25	130	107	-			85 - 91	2.0	0.0	S	SP	60	+
83.08	12,053,514	Svidovica	364	369	352	101.3	-	180	184	-	369		320				S	SP	80	+
83.09	7,121,658	Tri Vodi	121	23	16	19.0	-	-	121	-	23						NS	SP	-	+
83.10	18,234,164	Chepeli	26	0	-	-	-	-	26	-	-									+
84.01	23,735,632	Bansko	1205	1766	1645	146.5	-	35	1170	1600	166			84 - 85	5.0	2.0	S	SP,SW	150	+
84.02	9,618,235	Monospitovo	1825	1962	1872	107.5	15	-	1810	1962	-			85 - 90	10.0	1.0	S	SP	150	-
84.03	16,407,382	Murtino	2175	2223	2159	102.2	-	217	1958	-	2223						NS	GW	-	-
84.04	3,055,232	Sachevo	579	569	554	98.3	-	30	549	-	569						NS	GW	-	+
		Sub-total*	53901	60093	56980	7136.4	767	15068	38056	29944	30098				141	48.7			3570	
		Average*	574.7	645.4	646.4	83.3	45.5	268.3	397.7	825.3	583.3				2.5	1.1			81.5	
		Total	76935	94517	91047	7285.9	767	15068	38056	29944	30098				141	48.7			7920	

*:excluding city

EUDV:Economically Under-developped Village

S:Suitable
NS:Not suitable

SW:Surface water
SP:Spring water
GW:Groundwater

Annex 21

MCIC Village Water Supply Program and Projects

Macedonian Center for International Cooperation

DRAFT

VILLAGE WATER SUPPLY PROGRAM
1998 - 2000

Macedonia, March 1998

VILLAGE WATER SUPPLY PROGRAMME

Number of the program	MCIC 98-08 PVS
Location, region	Republic Macedonia
Target group	Citizens of 1700 villages
Direct beneficiaries	- 27.000 citizens of 54 villages which have a problem with their water supply - 45 "Associations" for the management of water supply
Activity	Reconstruction of the water supply
Instrument	Financial support for the construction of waterworks, training, informing and representing
Period of implementation	1998 - 2000
Participating organizations	MCIC, village boards, national and local authorities
Budget	74.400.000 MKD (the MCIC part only)
Status	In the phase of identification/formulation

EXCERPT

471 villages or 82% of the identified villages in the Central and the Eastern part of Macedonia have constant or periodical problems with the water supply, mainly because of bacteriological pollution of the water, insufficient capacity (especially in the period of May-September) and a much too great distance from the existing sources of water used.

Due to such causes the intention of MCIC is to continue its work in the field of water supply in the forthcoming period 1998 - 2000, being one of the priorities in its activities.

The general goal of the Water Supply Program is to contribute to the creation of conditions for life in the villages, for all who live in them. The improvement of the water supply for the people in the villages is a goal of the Program leading to the realization of the general aim.

The solving of the problems with the water supply and achieving the Program goals will be implemented by carrying out the activities such as the following:

- financial support for the construction of the water supply systems;
- water supply training;
- education and informing; and
- representing and lobbying.

Participation of the target group in the implementation of the activities is of great importance for the work of the Village Development Department. The role of the Village Water Supply Program is to totally involve the beneficiaries in the project from its start (the idea) to its total realization. A special attention is given to the sustainability of the realized project, which is achieved through active participation of the beneficiaries of the project, as well as their education and training in the functioning of the system.

The total budget necessary for the realization of the middle term Program amounts to 74.400.00 MKD.

PROJECT FRAME

Essence

Water is one of the four essential natural resources on which rests the appearance, evolution and development of the live world, and of man.

The acute problem with the water supply in our country still exists. The droughts which occurred in the period 1980 to 1994 had dried out the existing sources and wells. The quality of water deteriorated. Many years were necessary for these sources to renew themselves once more as they were before.

The consequences from previous system are still visible in that they have left permanent tracks in the economy of the state. Problems in rural parts of the country are still very stressed. The farmers have no funds so that they might improve their own water supply by themselves, i.e. they can not realize their basic existential needs. Even though they give priority to their own water supply, yet the finances and the good organization are a chief hindrance for it to be realized (more in *Annex 1*).

The government has been making efforts in the past years to animate the villages through investments in the infra-structure, yet the limited funds are insufficient for a complete solution to these problems.

Because of such reasons, it is the intention of MCIC to continue with its work in the field of water supply in the forthcoming period 1998 - 2000 also, as a priority in its activities.

Justification

Statement of the problem

MCIC has identified the general needs of the villages and especially the needs for water supply in **574 villages in 19 municipalities** (according to the old territorial division) from the Central and Eastern parts of Macedonia from a total of 32 municipalities in the state (55,88%).

The previous knowledge and experiences were confirmed by the identification which was carried out by MCIC. **From the 574 villages, 244 have a central waterworks, and public faucets and a well exist in 297 villages, while 33 villages have no waterworks nor a well. Yet, 471 villages or 82% of the villages have constant or periodical problems with the water supply because of bacteriological pollution of the water and the insufficient capacity, especially in the period May-September.**

The lack of available and sufficient quantities of healthy water for the people, the damages which they suffered from its lack, as well as the bad socio-economic conditions in the country make the implementation of this Program urgent and justified.

Priority needs

If we review the internal assessment of the Village Development Department which was made in the second half of 1997 (9 municipalities were investigated encompassed by the PVS) we can see that **the priority need of the villages is support in the reconstruction of the water supply (89% of the answers concerned the water supply).** More detailed information is given in *Annex 2*.

Apart from that we can see from the assessment that **receiving grants is the main need of the municipalities (89% of the answers give priority to grants in the infra-structure, the ones under 30.000 DEM as well as those above 30.000 DEM.** The main reason for this is the still weak financial power of the villages as well as their enormous neglectedness. The state started with some initiatives in this sector, yet it still does not satisfy the existing enormous needs.

The Village Development Department is of the opinion that the grants as a measure still must exist. The reasons for this are numerous:

- financial and economic weakness of the society, and especially the villages;

- insufficient economic support from the state;
- motivation of the population for mobilization of their own funds;
- motivation for mobilization of other sources of funds;
- the need of creation of normal living conditions.

It should be specially stressed that one of the main problems which the women face in the villages is the bad water supply. MCIC has identified this problem based upon previous experience, as well as from the internal assessment of MCIC where in all villages it was stated that the main problem of the family, and especially of women, was no available and high quality water for use.

Other interventions

In the period 1994 - 1997 MCIC supported 106 villages where projects were implemented for improvement of the water supply for the people. Several governmental institutions (Ministry of Development, Urbanism and of Agriculture) supply every year certain funds which are intended for the construction of waterworks in the villages. In this current period, the greatest funds for this activity were supplied by the Ministry of Development, and yet only for a certain number of previously determined villages. Even though the other two governmental ministries have no limitations in the choice of villages, yet their funds are too small in order to solve the whole problem. Yet, apart from allocating funds for the construction of systems, there are no other activities carried out by these governmental institutions (training for the use and management of water, informing, lobbying, etc.) which has greatly contributed in lack of a complete and integral approach for the solving of this problem of water supply for the people.

The solving of the problem with water supply should start with the starting initiating component, which would create conditions for other initiatives to start

For the revitalization of the village, apart from water supply for people there are also other activities necessary such as:

- Construction of the other infra-structures (roads, sewage system, clinic for outpatients, PTT, etc.) because apart from the basic human need - "water", they are also of great importance for the creation of normal living conditions and possibilities for development.

Proposed approach and strategy

The work on the program for water supply is specific and unique because the activities are carried out **"with the beneficiaries, for the beneficiaries"**, from the beginning and to their total implementation. The program will be carried out in cooperation with the beneficiaries (local population) but also with the local companies, local authorities and construction companies which are in the role of contractors. This means that there will be cooperation with relevant subjects which all have the goal to develop the village.

The training and the education of the beneficiaries will contribute to the long-term functioning and the sustainable development of the system . PVS will support and consult the villages in the choice of best options: organizational, financial, technical, civil engineering.

By representing and lobbying help will be made possible for the target group in their approach to other institutions and mobilization of additional funds.

PVS will supply support for the program with an information service (a data base on the villages in Macedonia) which will be described in detail in a separate program. The data base will make a quick and simple insight in conditions of rural communities, making the assessment and the selection of a village much easier. Apart from that, the database will greatly contribute to a quality and realistic lobbying among all international and domestic institutions.

PVS has developed a network of consultant, design, construction and other organizations for design, construction, purchase of materials, control etc. These organizations were selected

through several years of experience and are the best option in quality and prices. The choice of partners will be solved through the existing "Procedure of purchase".

GOALS AND TASKS

General goal

The general aim of the program is to contribute to the creation of conditions for life in the villages, for all who live there.

Goal of the project

The goal of the program is the improvement of the water supply for the people in the villages.

Tasks (Components)

To stimulate initiatives for the improvement of the supply of high quality drinking water for the people.

To support the realization of grants for the reconstruction of the water supply along with what will be supplied by the villagers, the local and state authorities, and the local companies.

To stimulate the founding of locally based "Associations for water supply of villages".

Results (Products)

Stimulation of initiatives which will make an improved water supply possible for the people.

Realization of grants for the reconstruction of water supply, i.e. the construction of functional water supply systems for the population with healthy drinking water along with what will be supplied by the villagers and the other institutions.

The founded (formed) "associations" for the organization, management and maintenance of the waterworks resources.

Target group and direct beneficiaries

The target group of the program are the citizens of the 1700 villages in Macedonia, with a specific focus upon the regions which have water supply problems.

Direst beneficiaries of the Program are:

1) Approximately 27.000 citizens of 54 villages which have problems with the water supply. These beneficiaries will be supported with funds for the construction of the systems making improved water supply possible. Priority will be given to villages in the mountainous regions as well as to villages in which low income cultures are grown such as wheat and tobacco.

   Specific of these villages is that a greatest part of these villages are old people, with no incomes or with minimum pensions. Beside them, the women of these surroundings are also faced with hardships. The greatest part of the women in the villages are not equal with the men because they are responsible for the purchase, transport and use of water which presents a hard and laborious work. It can generally be stated that in the central regions of Macedonia the traditional patriarchal manner of living still dominates, and the position of the women is subordinate.

2) 45 "Associations" for the management of the water supply. Under the term Association are meant the various forms (old and newly formed) which are responsible for the organization of projects for the village, their implementation and the maintenance of final products, also the water supply systems. These associations are direct beneficiaries in the water supply training.

Identification of beneficiaries will be carried out in two phases, namely:

Selection of a municipality and selection of a village in the identified municipalities. The choice of municipality is done only for villages which will be financially supported in the construction of a system.

The selection of villages will be carried out through strictly defined criteria which will make an objective choice possible of the villages which are of priority for support in the domain of reconstruction of the water supply.

The choice of "Associations" will be made on the whole state territory, i.e. the selection will be in two levels:

- priority for the training will be given to "Associations" from villages which were already or are being supported with funds for the construction of systems by the MCIC;
- all other boards which have a problem in the field of their work will be encompassed.

A. Selecting a municipality

The main focus of the program will be upon the municipalities in this country, in which the villages have a problem with their water supply. In order to correctly select the territory on which the activities will be carried out PVS has prepared criteria which are based upon three fundaments stated in *Annex 3.*

B. Selecting villages in the identified municipality

In the first phase of activities the villages are chosen based upon knowledge of the project team, talks with the villagers and the authorities, assessing the local participation and the total documentation by the municipal authorities and the village committees.

Priority among the villages was determined based upon project principles:

- Identification of the villages through an organizational form close to or of the beneficiaries, in order to make a good choice of the target group;
- Flexibility for the beneficiaries in order to direct the implemented help according to their needs;
- Maximum use of products and services from the Republic of Macedonia (in order to multiply the effects from the supplied help); and
- Priority reviewing of villages with urgent needs, good ideas for self-help and modest financial requests.

The second phase for selection includes a detailed analysis and assessment of the villages which should be encompassed with the Village Water Supply Program. In order to correctly select the villages to be included in the activities, PVS has worked out criteria given in *Annex 4.*

The general program philosophy is to supply the "tools" which lack for the selected project, which could be knowledge, materials, mediation or lobbying.

Activities

The village water supply program integrates the following activities:

1. Financial support for the construction of a water supply system

These activities include the allocation of grants for financing of work which have a basic goal to ensure the constructions which would improve the conditions of water supply in the villages, and these may be:

- **Reconstruction of the already existing, old waterworks.** In a certain number of villages the water supply structures have been built before the Second World War. These structures are not adequate any more. With measures for repairs of the intakes, the replacement of pipes and replacement of the electro-mechanical part op the pump

stations it will be made possible to: reduce the losses and to eliminate the possibilities of pollution.

In this case MCIC, depending upon the needs, will help supply the part missing.

- **Finishing the construction of new, already started waterworks.** Because of the economic crisis the construction in some villages is lasting four years or it has been stopped and the systems are not functioning. In some villages only small financial funds are missing for the system to be completed.

  MCMS will participate in the part necessary for these systems to start functioning.

- **Finishing the construction of existing, old waterworks.** In other villages, on the other hand, there are waterworks constructed in the past thirty years whose capacities do not satisfy the needs any more. These are waterworks which because of the drought or the increased population do not have a sufficient capacity any more.

  In this case help will be in taking in new sources or a expansion of the already existing capacity.

- **Complete construction of new waterworks.** There are no waterworks in some villages. These are villages of two types: "the poorest of the poor" and "villages earlier rich with water". The first never had enough money to construct waterworks, and the second when they had money they also had water from private wells. Both now have no water and no money.

MCMS will help here in the construction of complete central waterworks of the gravitational or pump type.

Activities in the financing of the construction of waterworks in which MCIC will participate:

a) construction works: construction of structures for taking in water (intakes, drainage, etc.) reservoirs, pump stations, public faucets and all other accompanying structures of the waterworks system (shafts, stop chambers, etc.)

b) ground works for the waterworks system (pipe canals, reservoirs, intakes, etc.)

c) purchase and installation of pipes/ hoses and special parts;

d) purchase and installation of pumps and automatics;

e) purchase and installation of water filters (chlorinators); and

f) expert supervision of the work.

MCIC will not participate in the following work:

a) research and design work (exploration drillings, exploitation wells, working out the idea and the main project, revisions of technical documentation, analysis of the quality of water);

b) supplying an electricity source and the supply of electricity (wooden poles, energy cables, transformer stations, transformers, ground works for cable leads, taxes for the connection);

c) financing of individual connections of the users (under individual connections we understand the part from the connection to the secondary pipe mains to the individual, domestic, connections).

2. Training for water supply

The training for the water supply is stated as one of the priorities of this program but also of the state. It is a sole precondition for good and long-term maintenance (existence) of the water supply systems. The training includes activities which should eliminate bottle-necks in the program, especially in the part of the organization of the villages and the maintenance of the systems.

On the other hand, the insufficient information and the lack of knowledge and experience in this type of activities are the main reasons why they have not been carried out. The Village

Development Department will make efforts first to train itself in this field, and then to pass the knowledge over to the beneficiaries.

The training has three aspects:

- building institutions;
- maintenance of waterworks; and
- rational and high quality use of water.

They will be carried out through:

a) Current training

- work together with the beneficiaries during the implementation of the project carried out upon their visits (giving advice, explaining, short lectures, presentations, etc.); and

b) Seminar work

- through courses and seminars held on a certain topic. The contents will be defined on the basis of foreign and local experience of MCIC. The training will be supported with adapted materials, and will be performed my the officers of PVS with the possibility of cooperation with experts from certain fields.

In Annex 6, Quantity and quality of products of PVS, in the part "Seminar on water supply training", are shown the planned activities for training of the beneficiaries.

In Annex 9, Review of resources, in the part "Water supply training", is given a description of the necessary resources and activities for the realization of this training.

3. Education and informing

Several activities will be included in this part:

1) Strengthening the public awareness through:
   - issuing written materials and publications; and
   - preparation of marketing materials (TV spots, posters, etc.)

   The main contents of these materials will be concentrated on rational use of water in the households, livestock keeping, and agriculture. For this, appropriate materials will be prepared by local experts in cooperation with foreign experience;
2) Partnership and cooperation, which will include exchange by the beneficiaries with other similar organizations on a local, regional and broader level; and
3) Informing, i.e. supplying regular information in the MCIC bulletin on the newest events and achievements from the field of water supply in the state and the newest experiences from other parts of the world.

4. Representing and lobbying

PVS will support and advise the villages in the choice of best options: organizational, financial, technical.

PVS will also supply support for the program with its information service (data-base).

PVS has a developed network of consulting, design, construction and other organizations for design, construction, purchase of materials, control, etc. These organizations are selected through several years of experience and are the best option in quality and price. Help will be supplied in selecting the best entrepreneur.

PVS will lobby among the appropriate government institutions (Agency for Economic Underdeveloped Regions, Ministry of Urbanism and Ministry of Agriculture) and other possible sources of funds.

ORGANIZATION OF THE PROJECT

Management and personnel

The village water supply program will be carried out by the Department for Village Development. The necessary human resources for its implementation are:

1) Project coordinator - responsible for the coordination and monitoring of the implementation of the work on the Program, informing and reporting on the flow of activities, representing and lobbying among the domestic and international institutions.
2) Project assistant - responsible for the work on training and education of the beneficiaries and realization of activities for financial support of the construction of water supply systems.
3) Information officer - responsible for activities connected to the preparation and distribution of information - educational materials for PVS.
4) DTP officer - support in the field of computer processing and designing of the information materials.
5) Additional administrative / bookkeeping and other support will be supplied by the appropriate department of MCIC;
6) Support from external experts and consultants (if necessary).

A specific description of the authorizations, justification and qualifications of the personnel is stated in Annex 9, Review of resources.

Planning, reporting, monitoring, assessment

Planning

The realization of the activities will be carried after they have been previously planned. The plans will be made on the level of middle term planning, annual, monthly and weekly planning. A detailed action plan will be worked out on weekly meetings of the Department.

Reporting

Reporting will be done on the weekly coordination meetings, when the project team discusses the progress, the problems and the plans for implementation of the Program.

Weekly and monthly reports on the work on the project will be prepared as well as financial reports.

The implemented projects from the Program will be reported on through reporting forms, which will be separately prepared for each project after their completion.

A narrative and financial report will be prepared for the donors, each six months and a final report once at the end of the year.

Monitoring

During the implementation of the projects MCIC will monitor the realization of the work. The monitoring will be carried out separately for each project, the work will be followed (starting, the course of the work, and finishing), possible problems, omissions, irregularities etc., all in order to carry out the set tasks successfully and with high quality. For the control of constructions over 10.000 DEM , experts will be engaged, i.e. a civil engineer for expert supervision.

The monitoring of the planned will be done currently, and will be the task of the PVS program officers as well as of the officer who works on the information.

The monitoring of the part of implementation of law regulations on the functioning of the association for water supply, as well as the monitoring of the government policy, which are a precondition for the implementation of the Program goals, is the task of PVS. It will be monitored through informative gatherings and meetings with the government and local structures, as well as by monitoring the legal regulations which were passed last year (The Law on Waters and the Law on public utility activities).

The existence of initiatives for other economic activities as well as the supply of other necessary infra-structures in the villages which are necessary in order to achieve the general goal, will be monitored in a combined manner, through the data supplied by the information officer from the official journals, the daily press, as well as the reports received from governmental and other institutions, and from the data-base on the villages which will be developed in a separate program.

Variant: The above stated conditions could be controlled in a defined period namely once a year (at the beginning of the next year for information on the previous year). The control will be carried out based upon the received governmental reports (information) as well as from the daily press. Depending on when the data-base will be realized, it could also be used in controlling the conditions.

Assessment

The assessment of the registered applications on the project will be carried out based upon the determined support criteria.

MCIC will develop a system of internal assessment of the program including the assessment of results (relevance, efficiency, effectiveness) and the social impact.

The assessment of results will be carried out during the year 2000, and the assessment of the social impact is planned 10 years later.

Time period

The time planned for the implementation of the activities is the period from 1998 to 2000. A detailed review of the implementation period is given in *Annex 7.*

Resources

Resources will be engaged for the realization of the activities which are available to PVS, the available logistics, as well as the support from the other structures of MCIC which will have their part in the realization (administrative, financial, technical and other sorts of support).

A review of necessary resources has been given in *Annex 9.*

In order to improve the realization of the Water Supply Program especially in the part for training of the beneficiaries, the training of the existing personnel is a priority. For a successful realization of the training of the beneficiaries which will be carried out by MCIC, it is necessary to train the personnel which will carry out the courses. A "training of the trainers" will be carried out in order to acquire the basic training skills. The course for the personnel is planned to be realized in the middle of 1998, with topics from the field of methods for education of grown-ups. The course will be held by experts from that field. Apart from the course, the personnel will use expert literature also in order to acquire the basic training skills.

It has been planned during the time of realization of the activities stated in *Annex 7.*

PRESUMPTIONS, RISKS AD SUSTAINABILITY

Presumptions

The realization of the activities connected to the renewal of the water supply systems in villages requests a complex approach. Several subjects will participate in their realization, realization of the program by only one partner is almost impossible. Because of that the existence of some presumptions is important.

The presumptions which will contribute for the realization of the results of the Program are:

- to have initiatives from the villages for improvement of the water supply;
- to have financial and organizational support from local and national institutions, most of all from state institutions which work on these problems (Ministry of Urbanism and the agency for Economically Undeveloped Regions);

The presumptions which will contribute for the realization of the goals of the Program are:

- to have a good realization of the legal regulations for the functioning of the "Associations for water supply"; and
- to have a favorable governmental policy.

Most important presumptions which will make the realization possible of the general goal, apart from the improvement of water supply for the people in the villages, which is a program goal of PVS are:

- initiatives must exist for economic activities in the villages; and
- existence of other necessary infra-structure (roads, health structures, PTT, electricity).

Risks

The expected risks could be divided into three groups, namely:

1) Financial

   In this group are problems in the part of the financing, i.e. the non-closed financial construction. The reasons for this could be various: delays in approval of the funds by the state institutions; lack of participation by the beneficiaries and partners etc.

2) Institutional

   Risks which include bad cooperation and self -organization of the target group, dividedness (ethnic, political, racial etc.).

   Risks because of the relation and interference of governmental institutions.

3) Time

   Time (periods) for the construction of the water supply systems is not favorable during the whole yea, it is seasonal. The villagers (farmers and livestock breeders) must carry out their part of the work in the period between the spring thawing of the snow until the start of the agricultural season and in the autumn from the finish of the harvest to the beginning of winter. If the activities are not carried out in the stated time period, there is risk that the planned time period will be prolonged as well as the activities.

Sustainability

The sustainability in water supply is set as a priority of this program, and in the state as a whole. The two passed Laws (on waters and on pubic utility activities) show that the state is setting the road toward a sustainable development of the water supply resources. The financial limitations of the state funds for village water supply is due mostly to the total bad economic situation in the country.

There id appropriate technology and expert personnel in the Republic, making it possible for most of the villages who do not have an appropriate water supply to improve it.

The renewal of the water supply is an improvement of the human hygiene and environment. Yet, partial improvement of the water supply opens additional problems, taking away the sewage waters. One of the following activities for the protection of the environment is a solution for waste waters.

The institutional and management capacity appears as the most important factor for realizing a long-term and sustainable development of the water supply systems. Good knowledge and expert trained human resources will make sustainable systems possible. Because of this PVS is dedicating more attention to the training and education of the human resources for correct management and maintenance of the systems.

Training is an activity which should remove bottle necks from the program, especially in the part of organization of the village and maintenance of the system.

Quantity and quality of products in PVS - definition of products (individually unique, internally homogenous, and with price possibilities) **ANNEX 6**

Supplier	Title	Description	Quantity	Quality
Development group	Advice on projects	Advice includes previous identification , motivation and coordination of village communities which are not capable to start activities on their own.	Advice for 18 village communities	To ensure that 12 of them will manage to apply for solving the problem of water supply.
Development group	Assessment on proposal for project	Assessment of the applications in accordance with determined criteria. The assessment includes: identification , facilitation coordination analysis recommendation for further activities and preparation of a report on identification	Assessment of 180 applications for projects. The costs vary 10%.	To ensure that the handed applications are in accordance with the criteria, that they are assessed correctly, and the that time of carrying out the assessment is appropriate.
Development group	Grant for financial help on a project	Formulation of a project in accordance with determined criteria, preparation of documentation for approval and implementation, monitoring the activities, finishing the activities, reporting on the finished project and a report afterwards	54 (grants) financial supports for the construction of water supply systems	To ensure that the projects are appropriate to the needs of the target group and that they are relevant; that the resources are used in an optimal manner; effective (complementary, with appropriate quantity and quality of the activities and the fulfillment on time); are sustainable and have a positive influence upon the situation of the beneficiaries.
Development group	Seminar training on water supply	- A course on building institutions - A course on maintaining waterworks A course in rational use of water	6 courses (16 hours each) 6 courses (18 hours each) 4 courses (16 hours each) A total of 45 associations included	To ensure that 60 % of the participants pass the course and have implemented the knowledge for the realized work.
Development group	Current training on water supply	Mutual work with the beneficiaries during the identification and realization of the project (giving advice, explaining, short lectures, presentations, etc.)	To encompass 54 villages with current training.	To ensure that 60% of the villages encompassed by such a training have improvement in their work.
Group for information and Development group	- PVS leaflet/brochure - Information poster - Spot	Gathering information, thinking out graphic preparation of leaflets / brochures and posters, their distribution. Preparation of a spot and its display.	- 1 leaflet (possible description of quantity: A4 format, 2 pages, 3400 copies). - 3 brochures (A4 format, 6 pages, 2200 copies - 2 posters (A2 format, 1 page, 2000 copies - 2 spots	To ensure that the target group, the direct beneficiaries, the partners, the participating organizations and the other public is well and timely informed and motivated.
Development group	Informing on realized projects	Preparation of current and final reports on each project, Preparation of a yearly final report.	55 final reports on projects 3 current ones (half year reports) 3 final annual reports.	To ensure timely and good informing of the personnel, the leadership, the Executive Board, the consortium and the MCIC partners.

MCIC RURAL WATER SUPPLY PROJECTS (1994-1998)

Municipality		Village		Status of project	Population	Year
6	Kumanovo	1	Staro Nagorichani	completed (finished)	95	1996
		2	Mlado Nagorichani	completed (finished)	208	1996
		3	Chetirce	proceeding	600	1998
7	Kratovo	1	Turalevo	completed (finished)	300	1995
		2	Filipovci	completed (finished)	168	1995
		3	Vakav	completed (finished)	138	1995
		4	Sakulica	completed (finished)	270	1995
		5	Topolovikj	completed (finished)	60	1995/1996
		6	Shlegovo	completed (finished)	560	1996
		7	Prikovci	completed (finished)	170	1996
		8	Mushkovo	completed (finished)	80	1996
		9	Stracin	completed (finished)	135	1997
		10	Shopsko Rudari	proceeding	282	1998
8	Kriva Palanka	1	Durachka Reka	completed (finished)	430	1996
		2	Koshari	completed (finished)	625	1996
		3	Trnovo	completed (finished)	83	1997
9	Veles	1	Dolno Chichevo	completed (finished)	240	1994/1997
		2	Bistrica	completed (finished)	236	1994
		3	Melnica	completed (finished)	940	1994
		4	Sogle	completed (finished)	158	1995
		5	Dolno Jabolchisnte	completed (finished)	560	1995
		6	Choloshevo	completed (finished)	200	1995
		7	Teovo	completed (finished)	285	1995
		8	Sopot	completed (finished)	34	1995
		9	Mamutchevo	completed (finished)	460	1996
		10	Ivankovci	completed (finished)	1044	1996
		11	Gorno Orizari	completed (finished)	2400	1997
		12	Vladilovci	completed (finished)	138	1998
10	Sveti Nikole	1	Malino	completed (finished)	100	1994
		2	Orel	completed (finished)	53	1994
		3	Kjoselari	completed (finished)	182	1994
		4	Kadrifakovo	completed (finished)	215	1995/1997
		5	Pavleshnica	completed (finished)	140	1995
		6	Dorfulija	completed (finished)	1020	1995
		7	Milino	completed (finished)	100	1995
		8	Burilovci	completed (finished)	15	1995
		9	Karatmanovo	completed (finished)	550	1995
		10	Lozovo	completed (finished)	1480	1995
		11	Amzabegovo	completed (finished)	620	1995
		12	Crnilishte	completed (finished)	550	1996/1997
		13	Erdjelija	not comleted	1100	1997
		14	Nemanjci	completed (finished)	377	1997
11	Shtip	1	Baltalija	completed (finished)	25	1994
		2	Puhche	completed (finished)	70	1994/1995
		3	Piperovo	completed (finished)	50	1994
		4	Vrteshka	completed (finished)	22	1994
		5	Gorachino	completed (finished)	36	1995
		6	Argulica	completed (finished)	480	1995
		7	Radanje	completed (finished)	750	1995
		8	Krupishte	completed (finished)	400	1998
		9	Crvulevo	in construction	124	1998
12	Probishtip	1	Trooio	completed (finished)	90	1996
		2	Strisovci	completed (finished)	115	1996
		3	Puzderci	completed (finished)	126	1996
		4	Pleshenci	not comleted	350	1997
		5	Gorni Stubol	proceeding	210	1998
		6	Gorno Barbarevo	proceeding	106	1998
17	Demir Hisar	1	Barakovo	completed (finished)	90	1996
		2	Brezovo	completed (finished)	120	1996
		3	Dolenci	completed (finished)	156	1996

MCIC RURAL WATER SUPPLY PROJECTS (1994-1998)

Municipality		Village		Status of project	Population	Year
18	Krushevo	1	Gorno Divjaci	proceeding	97	1998
		2	Borino	proceeding	598	1998
20	Prilep	1	Slavej	completed (finished)	450	1994/1995
		2	Brailovo	completed (finished)	350	1994/1995
		3	Belovodica	completed (finished)	100	1995
		4	Krushevica	completed (finished)	160	1995
		5	Zrze	not comleted	230	1995
		6	Drenovci	completed (finished)	256	1995
		7	Alinci	completed (finished)	300	1995
		8	Kanatlarci	completed (finished)	1100	1995/1996
		9	Desovo	completed (finished)	1400	1995/1996
		10	Crnilishte	completed (finished)	1800	1995/96/97
		11	Vrbjani	completed (finished)	350	1996
		12	Slepche	completed (finished)	270	1996
		13	Margari	completed (finished)	104	1997
		14	Korenica	completed (finished)	115	1997
		15	Godivlje	completed (finished)	230	1997
		16	Gorno Selo	proceeding	80	1998
21	Kavadarci	1	Garnikovo	completed (finished)	110	1998
		2	Debrishte	proceeding	166	1998
22	Negotino	1	Veshje	completed (finished)	135	1996
		2	Drenovci	completed (finished)	180	1996
		3	Besvica	completed (finished)	45	1997
		4	Chiflik	proceeding	170	1998
		5	Koreshnica	proceeding	550	1998
23	Valandovo	1	Bashibos	completed (finished)	204	1996
		2	Kochuli	completed (finished)	89	1996
		3	Brajkovci	completed (finished)	470	1996
		4	Kalkovo	completed (finished)	250	1997
		5	Grchishte	completed (finished)	320	1997
		6	Prsten	proceeding	150	1998
29	Radovish	1	Dedino	completed (finished)	700	1994/1995
		2	Rakitec	completed (finished)	560	1994/1995
		3	Shturovo	completed (finished)	40	1994/1995
		4	Oraovica	completed (finished)	1900	1994
		5	D. Lipovik	completed (finished)	640	1994
		6	Jargulica	completed (finished)	850	1995
		7	Zleovo	completed (finished)	950	1995
		8	Pokrajchevo	completed (finished)	420	1995
		9	Kozbunar	completed (finished)	38	1995
		10	Ali Koch	completed (finished)	650	1996
		11	Damjan	completed (finished)	320	1996
30	Strumica	1	Shtuka	completed (finished)	1000	1995/1996
		2	Sushevo	completed (finished)	850	1996
		3	Edrenikovo	completed (finished)	240	1996
		4	Vladevci	completed (finished)	700	1997
101	Gazi Baba (Skopje)	1	Binardjik	completed (finished)	592	1994/1995
		2	Ajvatovci	completed (finished)	252	1994/1995
		3	Jurumleri	completed (finished)	2950	1996
		4	Creshevo	completed (finished)	1390	1997
103	Karposh (Skopje)	1	Dolno Svilare	completed (finished)	1800	1995
		2	Rashche	completed (finished)	2700	1996
104	Kisela Voda (Skopje)	1	Morane	completed (finished)	1500	1996
		2	Dobri Dol	completed (finished)	500	1996
		3	Sopishte	completed (finished)	3300	1996
		4	Rakotinci	completed (finished)	850	1996
106	Chair (Skopje)	1	Gornjani	completed (finished)	240	1995
			Total		57,482