DATA BOOK FOR SUPPORTING REPORT E

WATER RESOURCES

DATA E.1

DATA OF RESERVOIR BALANCE

RESERVOIR BALANCE DATA OF BELMEKEN RESERVOIR (1987-1996)

Year	Month	Reservoir volume		Inflow (1000 m3)			Outflow and Loss (1000 m3)						
		End of month (1000 m3)	Difference (1000 m3)	Own water source and collect. facili.	Other water sources	Total	Belmeken HPP	Beli Iskar Res.	Minor Irrigation	Water Supply	Spillout & main outlet	Total loss (evapor. & infiltrat.)	Total
1987	1	40832	-10614	2621	7203	9824	18778	1232		335	60	33	20138
	2	34969	-5863	2563	6637	9200	13564	1113		302	56	28	15063
	3	28019	-6950	2279	6644	8923	14612	1157		11	62	31	15873
	4	32018	3999	5843	9880	15723	8995	2639			60	30	11724
	5	73580	41562	64284	10437	74721	3236	29823			62	38	33159
	6	103277	29697	79639	1107	80746	11033	39859			60	97	51049
	7	97619	-5658	26872	1270	28142	20920	12181	470		62	167	33800
	8	77592	-20027	7271	880	8151	24591	2560	787		51	189	28178
	9	52420	-25172	4326	4174	8500	31253	1778	363	46	78	154	33672
	10	41337	-11083	3695	5540	9235	18229	1864			107	118	20318
	11	39219	-2118	5296	9573	14869	14320	2518			60	89	16987
	12	33649	-5570	5401	7856	13257	16110	2607			63	47	18827
	Annual		-17797	210090	71201	281291	195641	99331	1620	694	781	1021	299088
1988	1	32581	-1068	3483	9787	13270	12380	1833			63	62	14338
	2	32619	38	2513	8890	11403	9810	1451			59	45	11365
	3	31019	-1600	2702	8115	10817	10763	1557			63	34	12417
	4	41145	10126	16057	8447	24504	8353	5917			61	47	14378
	5	85548	44403	81063	9580	90643	5352	40735			63	90	46240
	6	102086	16538	48701	6292	54993	12320	25953			61	121	38455
		84154	-17932	15424	4541	19965	34666	2566	322	91	61	191	37897
	8	58512	-25642	6025	3828	9853	32205		2917	120	63	190	35495
	9	52978	-5534	4803	6689	11492	14039		2166	561	61	199	17026
	10	44501	-8477	1552	6032	7584	15844				63	154	16061
	11	33318	-11183	1924	5473	7397	18389				61	130	18580
	12	26581	-6737	2496	5403	7899	14517				63	56	14636
	Annual		-7068	186743	83077	269820	188638	80012	5405	772	742	1319	276888
1989	1	21861	-4720	1009	7171	8180	12797				63	40	12900
	2	1622	-20239	3275	1917	5192	20543	790			2511	1587	25431
	3	661	-961	10893		10893		3162			1710	6982	11854
	4	15041	14380	35351		35351		15457			1860	3654	20971
	5	41073	26032	40916	7470	48386	11426	10818			60	50	22354
	6	32865	-8208	8175	6809	14984	11340	11739			60	53	23192
	7	64531	31666	47451	4583	52034	14791	4664	483	301	63	66	20368
	8	50026	-14505	7205	1596	8801	20069	1498	1431	132	63	113	23306
	9	41097	-8929	6264	4900	11164	16735	2713	311	157	60	117	20093
	10	44801	3704	16613	7792	24405	18786	1763			63	89	20701
	11	37382	-7419	7401	7539	14940	22220				60	79	22359
	12	19010	-18372	4019	5936	9955	28247				63	17	28327
	Annual		-7571	188572	55713	244285	176954	52604	2225	590	6636	12847	251856
1990	1	14945	-4065	1870	8391	10261	14255				63	8	14326
	2	14005	-940	1227	8624	9851	10728				56	7	10791
	3	17451	3446	4099	11841	15940	12419				63	12	12494
	4	27287	9836	14604	12113	26717	12886	3904			61	30	16881
	5	39642	12355	37297	11408	48705	17052	19182			63	53	36350
	6	41649	2007	21438	8487	29925	17236	10319		214	60	89	27918
	7	23476	-18173	6735	5737	12472	26682	2715	1078		63	107	30645
	8	18023	-5453	4464	8757	13221	15668	1444	1424		63	75	18674
	9	17555	-468	3379	11498	14877	12914	1391	903		60	77	15345
	10	15707	-1848	3295	11608	14903	14585	1514	533		63	56	16751
	11	14933	-774	3222	10577	13799	12402	1953		112	61	45	14573
	12	15744	811	2746	10367	13113	10613	1580			63	46	12302
	Annual		-3266	104376	119408	223784	177440	44002	3938	326	739	605	227050
1991	1	15231	-513	2256	10114	12370	11263	1526			63	31	12883
	2	15064	-167	2155	8330	10485	9189	1378			57	28	10652
	3	20175	5111	5743	11069	16812	8243	3364			63	31	11701
	4	33027	12852	15497	13146	28643	6533	9167			61	30	15791
	5	74566	41539	54813	13658	68471	681	26115			63	73	26932
	6	132432	57866	86818	10140	96958	2920	35621			61	490	39092
	7	137665	5233	35814	2792	38606	18542	14705			63	63	33373
	8	129013	-8652	13354	2188	15542	19340	4622			63	169	24194
	9	125224	-3789	6782	5359	12141	13297	2384			61	188	15930
	10	122668	-2556	10776	6814	17590	16614	3335			62	135	20146
	11	113151	-9517	13109	5311	18420	22345	5340			61	191	27937
	12	85684	-27467	7734	2760	10494	34190	3594			62	115	37961
	Annual		69940	254851	91681	346532	163157	111151	0	0	740	1544	276592
1992	1	49060	-36624	4524	2738	7262	41880	1892		20	63	31	43886
	2	33143	-15917	2863	4818	7681	22237	1257		16	59	29	23598
	3	30828	-2315	2917	9745	12662	13577	1286		20	63	31	14977
	4	38266	7438	11292	12992	24284	12412	4325		18	61	30	16846
	5	68859	30593	45704	11169	56873	4198	21966		20	63	33	26280
	6	99321	30462	48242	8920	57162	1431	25148		18	61	42	26700
	7	108413	9092	18494	6607	25101	7065	8557	64	90	63	170	16009
	8	95000	-13413	7238	3887	11125	20224	3185	820	90	41	178	24538
	9	84358	-10642	3141	6115	9256	17952	1243	329	118	10	246	19898
	10	74566	-9792	3887	5495	9382	17294	1483		171	63	163	19174
	11	70656	-3910	5151	6096	11247	12891	1943		147	61	115	15157
	12	60332	-10324	2777	5593	8370	17211	1247		107	63	66	18694
	Annual		-25352	156230	84175	240405	188372	73532	1213	835	671	1134	265757
1993	1	47136	-13196	1849	5450	7299	19358	968		75	63	31	20495
	2	37113	-10023	1686	4831	6517	15754	646		55	57	28	16540
	3	36016	-1097	2359	8488	10847	10781	1009		60	63	31	11944
	4	43316	7300	11125	9903	21028	9219	4345		73	61	30	13728
	5	82760	39444	60986	11594	72580	3821	29207		14	63	31	33136
	6	91260	8500	33339	4936	38275	11459	17965	143	34	61	113	29775
	7	77932	-13328	7451	4255	11706	20415	2812	1516	30	43	218	25034
	8	58988	-18944	4377	4888	9265	21800	1141	1861	58	63	3286	28209
	9	45077	-13911	3003	6101	9104	20713	622	1279	134	61	206	23015
	10	38520	-6557	2227	1844	4071	9454	801		134	63	176	10628
	11	25672	-12848	2641	2552	5193	16805	771		268	61	136	18041
	12	23528	-2144	2107	7267	9374	10113	956		292	63	94	11518
	Annual		-36804	133150	72109	205259	169692	61243	4799	1227	722	4380	242063

RESERVOIR BALANCE DATA OF BELMEKEN RESERVOIR (1987-1996)

Year	Month	Reservoir volume		Inflow (1000 m3)			Outflow and Loss (1000 m3)						
		End of month (1000 m3)	Difference (1000 m3)	Own water source and collect. facili.	Other water sources	Total	Belmeken HPP	Beli Iskar Res.	Minor Irrigation	Water Supply	Spillout & main outlet	Total loss (evapor. & infiltrat.)	Total
1994	1	22570	-958	1853	8128	9981	9678	899		268	63	31	10939
	2	19167	-3403	2052	6484	8536	10799	813		242	57	28	11939
	3	20348	1181	2607	10545	13152	10488	1121		268	63	31	11971
	4	35225	14877	16506	12052	28558	6990	6600			60	31	13681
	5	76656	35431	51326	12698	64024	2606	25873			63	51	28593
	6	81706	11050	27510	5407	32917	7191	14212	193	63	61	147	21867
	7	77762	-3944	12841	2865	15706	13611	5216	563	29	63	168	19650
	8	67811	-9951	6155	3224	9379	15662	2196	1192	50	63	167	19330
	9	61982	-5829	3113	5626	8739	11826	622	1845	102	0	173	14568
	10	55729	-6253	3458	5629	9087	12915	2121		104	19	181	15340
	11	55027	-702	6341	6119	12460	10316	2633			53	160	13162
	12	51419	-3608	2366	7258	9624	10737	1709		627	63	96	13232
	Annual		27891	136128	86035	222163	122819	64015	3793	1753	628	1264	194272
1995	1	47968	-3451	3038	7511	10549	11661	1634		600	63	42	14000
	2	48124	156	2777	8433	11210	9066	1347		542	57	42	11054
	3	46909	-1215	2550	7846	10396	9239	1639		600	63	70	11611
	4	52182	5273	9590	7033	16623	7685	3533			61	71	11350
	5	94626	42444	69130	8845	77975	1317	33089			63	1062	35531
	6	119908	25282	55852	5511	61363	3222	32707			60	92	36081
	7	130661	10753	21588	7504	29092	7573	10544			63	159	18339
	8	130826	165	12004	5467	17471	11282	5693			63	268	17306
	9	127942	-2884	12271	4305	16576	12298	6902			61	199	19460
	10	128106	164	6592	3811	10403	6115	3366			330	428	10239
	11	96088	-32018	4498	1063	5561	34293	3047			61	178	37579
	12	81468	-14620	7967	2735	10702	22281	2895			63	83	25322
	Annual		30049	207857	70064	277921	136032	106396	0	1742	1008	2694	247872
1996	1	77796	-3672	4315	2754	7069	7394	2948			63	336	10741
	2	57025	-20771	3326	227	3553	21999	1982			59	284	24324
	3	40087	-16938	3311	648	3959	19005	1492			63	337	20897
	4	37991	-2096	6210	1554	7764	6320	3170			61	309	9860
	5	89016	51025	94973	1147	96120	1392	43229			138	336	45095
	6	99831	10815	27848	0	27848	0	14340	1808		428	457	17033
	7	94082	-5749	8710	766	9476	2985	3456	8164	67	63	490	15225
	8	87520	-6562	7548	1595	9143	11366	3269	385	86	63	536	15705
	9	88302	782	17717	2083	19800	8508	9796		83	61	570	19018
	10	81468	-6834	13314	2797	16111	14953	7525			63	404	22945
	11	76810	-4658	8157	2657	10814	11948	3029			121	374	15472
	12	76640	-170	4972	2933	7905	6408	1205			63	399	8075
	Annual		-4828	200401	19161	219562	112278	95441	10357	236	1246	4832	224390

Note 1) Data source is the Dam and Cascades Enterprise.

2) HPP: hydropower station

3) (Inflow of own water source and collecting facilities)=(Total of inflow) - (Inflow of other water source)

4) (Total of inflow)=(Difference of reservoir volume) + (Total of outflow and loss)

RESERVOIR BALANCE DATA OF BATAK RESERVOIR (1987-1996)

Year	Month	Reservoir volume		Inflow (1000 m3)			Outflow and Loss (1000 m3)				
		End of month (1000 m3)	Difference (1000 m3)	Own basin and collect. channels	Batak HPP	Total	Peshtera HPP	Minor Irrigation	Potable water supply	Total loss (evapor. & infiltrat.)	Total
1987	1	99550	11025	2064	11225	13289	1425	0	641	198	2264
	2	113180	13630	8303	7901	16204	1725	0	578	271	2574
	3	130663	17483	11567	8508	20075	1665	0	641	286	2592
	4	172821	42158	38159	8427	46586	3326	0	621	481	4428
	5	201632	28811	25585	19028	44613	14047	0	641	1114	15802
	6	182677	-18955	10172	4139	14311	30372	520	621	1753	33266
	7	139325	-43352	8687	2362	11049	44617	6385	643	2756	54401
	8	89429	-49896	5605	5753	11358	47790	10802	643	2019	61254
	9	66908	-22521	2991	9450	12441	27964	4720	543	1735	34962
	10	66844	-64	2215	7628	9843	8639	80	561	627	9907
	11	70159	3315	2613	6415	9028	4761	78	543	331	5713
	12	78816	8657	2442	10701	13143	3463	80	561	382	4486
	Annual		-9709	120403	101537	221940	189794	22665	7237	11953	231649
1988	1	87169	8353	2376	8320	10696	1340	0	641	362	2343
	2	94625	7456	2321	7079	9400	973	0	600	371	1944
	3	110730	16105	4450	13635	18085	872	0	641	467	1980
	4	151190	40460	28890	15134	44024	1998	0	621	945	3564
	5	163287	12097	18208	13975	32183	18022	0	641	1423	20086
	6	169701	6414	13053	16520	31573	22070	0	621	2468	25159
		140158	-29543	6871	8203	15074	35483	5663	641	2830	44617
	8	91764	-48394	5786	8278	14064	48367	10672	641	2778	62458
	9	77922	-13842	4100	3493	7593	14821	4176	621	1817	21435
	10	81082	3160	1972	10303	12275	7305	0	641	1169	9115
	11	91236	10154	2134	14403	16537	5281	0	621	481	6383
	12	102766	11530	6119	9864	15983	3593	0	641	219	4453
	Annual		23950	98280	129207	227487	160125	20511	7571	15330	203537
1989	1	110576	7810	3359	8376	11735	3165	0	641	119	3925
	2	113987	3411	3873	3152	7025	2902	0	579	133	3614
	3	134328	20341	20438	4828	25266	3867	0	641	417	4925
	4	147163	12835	17878	6863	24741	10034	0	621	1251	11906
	5	139825	-7338	6367	12996	19363	24520	0	641	1540	26701
	6	127069	-12756	5877	7081	12958	23504	0	621	1589	25714
	7	96509	-30560	10357	8106	18463	41287	5012	641	2083	49023
	8	63616	-32893	7066	14463	21529	43466	8079	641	2236	54422
	9	61591	-2025	4746	12414	17160	17308	0	621	1256	19185
	10	62857	1266	5105	10828	15933	12914	0	641	1112	14667
	11	63110	253	6101	9121	15222	13892	0	621	456	14969
	12	58426	-4684	5076	11930	17006	20704	0	775	211	21690
	Annual		-44340	96243	110158	206401	217563	13091	7684	12403	250741
1990	1	59059	633	3551	12461	16012	14496	0	775	108	15379
	2	63110	4051	3966	7123	11089	6191	0	700	147	7038
	3	69060	5950	6275	4479	10754	3383	0	775	646	4804
	4	75380	6320	6808	7250	14058	6319	0	750	669	7738
	5	70022	-5358	8967	8516	17483	21299	0	775	767	22841
	6	61844	-8178	9049	9963	19012	25346	0	750	1094	27190
	7	28655	-33189	7128	3123	10251	36781	4660	775	1224	43440
	8	33585	4930	4446	12486	16932	8676	1555	775	996	12002
	9	36831	3246	4242	7305	11547	6782	0	750	769	8301
	10	37348	517	4428	273	4701	2519	0	1077	588	4184
	11	36727	-621	3977		3977	3452	0	750	396	4598
	12	40557	3830	6145	456	6601	1816	0	775	180	2771
	Annual		-17869	68982	73435	142417	137060	6215	9427	7584	160286
1991	1	42160	1603	3603	761	4364	1878	0	775	108	2761
	2	50484	8324	3302	6699	10001	824	0	700	153	1677
	3	63236	12752	6613	8520	15133	1379	0	775	227	2381
	4	75380	12144	7517	7038	14555	1392	0	750	269	2411
	5	88826	13446	9503	11858	21361	6678	0	775	462	7915
	6	95003	6177	8903	11409	20312	12584	0	543	1008	14135
	7	91538	-3465	12956	4403	17359	18272	519	561	1472	20824
	8	90483	-1055	9148	15576	24724	21276	2761	561	1181	25779
	9	97112	6629	7127	9721	16848	8572	0	543	1104	10219
	10	107820	10708	7297	13291	20588	8599	0	561	720	9880
	11	115441	7621	5812	13393	19205	10554	0	543	487	11584
	12	123031	7590	7408	16904	24312	15738	0	561	423	16722
	Annual		82474	89189	119573	208762	107746	3280	7648	7614	126288
1992	1	133328	10297	6070	19227	25297	14116	0	561	323	15000
	2	138826	5498	6237	7536	13773	7474	0	525	276	8275
	3	144989	6163	7103	1906	9009	2003	0	561	282	2846
	4	157230	12241	12537	1360	13897	794	0	543	319	1656
	5	159411	2181	10631	1474	12105	8865	0	561	498	9924
	6	160418	1007	9087	1955	11042	8268	0	543	1224	10035
	7	152029	-8389	9728	4417	14145	19376	1201	582	1375	22534
	8	121901	-30128	5586	2636	8222	29503	6245	592	2010	38350
	9	116410	-5491	4023	6609	10632	12897	1199	573	1454	16123
	10	120851	4441	4040	9359	13399	7903	0	235	820	8958
	11	125212	4361	3950	5729	9679	4445	0	314	559	5318
	12	135994	10782	4976	14995	19971	8509	0	337	343	9189
	Annual		12963	83968	77203	161171	124153	8645	5927	9483	148208
1993	1	140991	4997	3450	12847	16297	10854	0	254	192	11300
	2	145989	4998	2400	13849	16249	10876	0	193	182	11251
	3	152449	6460	3102	6422	9524	2485	0	241	338	3064
	4	162940	10491	5908	6503	12411	1471	0	117	332	1920
	5	181022	18082	22337	6000	28337	9046	0	244	965	10255
	6	161593	-19429	4759	2568	7327	24053	551	284	1868	26756
	7	116087	-45506	2393	2782	5175	43331	4907	300	2143	50681
	8	79434	-36653	1579		1579	31804	4241	294	1893	38232
	9	65515	-13919	1728		1728	14060	0	246	1341	15647
	10	60578	-4937	1140	1014	2154	5751	0	241	1099	7091
	11	57033	-3545	1556	13094	14650	17555	0	234	406	18195
	12	59628	2595	1747	5250	6997	3811	0	308	283	4402
	Annual		-76366	52099	70329	122428	175097	9699	2956	11042	198794

RESERVOIR BALANCE DATA OF BATAK RESERVOIR (1987-1996)

Year	Month	Reservoir volume		Inflow (1000 m3)			Outflow and Loss (1000 m3)				
		End of month (1000 m3)	Difference (1000 m3)	Own basin and collect. channels	Batak HPP	Total	Peshtera HPP	Minor Irrigation	Potable water supply	Total loss (evapor. & infiltrat.)	Total
1994	1	63426	3798	1597	4750	6347	2106	0	254	189	2549
	2	67731	4305	1525	6607	8132	3422	0	249	156	3827
	3	72151	4420	1988	5352	7340	2382	0	294	244	2920
	4	75518	3367	2568	3072	5640	1540	0	233	500	2273
	5	82388	6870	12858	3967	16825	8870	0	248	837	9955
	6	69335	-13053	5667	3371	9038	20777	0	267	1047	22091
	7	44748	-24587	1656	2886	4542	27838	90	254	947	29129
	8	33412	-11336	1025	11864	12889	23091	16	240	878	24225
	9	36158	2746	900	10939	11839	7935	0	262	896	9093
	10	43817	7659	1240	10294	11534	3079	0	245	551	3875
	11	48628	4811	1564	6998	8562	3194	0	259	298	3751
	12	56906	8278	2462	9100	11562	2766	0	251	267	3284
	Annual		-2722	35050	79200	114250	107000	106	3056	6810	116972
1995	1	64502	7596	4824	6079	10903	2792	0	248	267	3307
	2	72701	8199	6840	2675	9515	897	0	215	204	1316
	3	86114	13413	11606	5766	17372	3500	0	214	245	3959
	4	105063	18949	18146	5858	24004	4548	0	189	318	5055
	5	126504	21441	19533	8460	27993	5517	0	189	846	6552
	6	134494	7990	13405	8137	21542	12134	0	194	1224	13552
	7	143407	8913	15389	12375	27764	16922	562	203	1164	18851
	8	134911	-8496	1877	13979	15856	19038	3853	201	1260	24352
	9	134411	-500	1692	8864	10556	9138	864	194	860	11056
	10	136743	2332	1804	8343	10147	6854	0	206	755	7815
	11	142074	5331	1648	17453	19101	13005	0	207	558	13770
	12	146660	4586	1751	13066	14817	9470	0	227	534	10231
	Annual		89754	98515	111055	209570	103815	5279	2487	8235	119816
1996	1	154126	7466	3771	12023	15794	7804	0	227	297	8328
	2	163634	9508	4635	13464	18099	8175	0	203	213	8591
	3	180470	16836	12783	12181	24964	7745	0	227	156	8128
	4	218069	37599	32804	7532	40336	1970	0	220	547	2737
	5	245534	27465	25321	11350	36671	8183	0	222	801	9206
	6	236187	-9347	6792	9705	16497	22135	2451	207	1051	25844
	7	197207	-38980	2622	3968	6590	36505	7783	222	1060	45570
	8	159411	-37796	2070	490	2560	32625	6687	227	817	40356
	9	142740	-16671	1981	3764	5745	19636	1858	213	709	22416
	10	145906	3166	5267	4975	10242	5779	214	502	581	7076
	11	156475	10569	5197	6971	12168	0	445	625	529	1599
	12	190586	34111	16563	20251	36814	0	1368	840	495	2703
	Annual		43926	119806	106674	226480	150557	20806	3935	7256	182554

Note 1) Data source is the Dam and Cascades Enterprise.

2) HPP: hydropower station

3) (Inflow of own water source and collecting facilities)=(Total of inflow) - (Inflow of other water source)

4) (Total of inflow)=(Difference of reservoir volume) + (Total of outflow and loss)

RESERVOIR BALANCE DATA OF V.KORAROV AND SHIROKA POLIANA RESERVOIRS (1987-1996)

Year	Month	Reservoir volume		Total inflow	Outflow and Loss (1000 m3)				
		End of month (1000 m3)	Difference (1000 m3)		Batak HPP	WS, outlet and loss			Total
1987	1	41144	-9235	2052	11225	62			11287
	2	35460	-5684	2273	7901	56			7957
	3	29472	-5988	2593	8508	73			8581
	4	55030	25558	34142	8427	157			8584
	5	74285	19255	38638	19028	355			19383
	6	83605	9320	14096	4139	637			4776
	7	87337	3732	6884	2362	790			3152
	8	83910	-3427	3262	5753	936			6689
	9	76404	-7506	2815	9450	871			10321
	10	71367	-5037	3107	7628	516			8144
	11	69979	-1388	5308	6415	281			6696
	12	64852	-5127	5773	10701	199			10900
	Annual		14473	120943	101537	4933			106470
1988	1	59383	-5469	2984	8320	133			8453
	2	54768	-4615	2574	7079	110			7189
	3	44211	-10557	3136	13635	58			13693
	4	61025	16814	32090	15134	142			15276
	5	83307	22282	36677	13975	420			14395
	6	85934	2627	19879	16520	732			17252
		83440	-2494	6929	8203	1220			9423
	8	77115	-6325	3054	8278	1101			9379
	9	75323	-1792	2451	3493	750			4243
	10	66245	-9078	1749	10303	524			10827
	11	55284	-10961	3714	14403	272			14675
	12	49697	-5587	4454	9864	177			10041
	Annual		+15155	119691	129207	5639			134846
1989	1	43160	-6537	1964	8376	125			8501
	2	42925	-235	3024	3152	107			3259
	3	49444	6519	11483	4828	136			4964
	4	56416	6972	14214	6863	379			7242
	5	53734	-2682	10650	12996	336			13332
	6	55353	1619	9253	7081	553			7634
	7	65305	9952	18754	8106	696			8802
	8	55887	-9418	5953	14463	908			15371
	9	45557	-10330	2653	12414	569			12983
	10	41416	-4141	7098	10828	411			11239
	11	43453	2037	11387	9121	229			9350
	12	35684	-7769	4223	11930	62			11992
	Annual		-14013	100656	110158	4511			114669
1990	1	25525	-10159	2395	12461	93			12554
	2	21385	-4140	3064	7123	81			7204
	3	22497	1112	5710	4479	119			4598
	4	24859	2362	9788	7250	176			7426
	5	27410	2551	11377	8516	310			8826
	6	28910	1500	12011	9963	548			10511
	7	31174	2264	6099	3123	712			3835
	8	24851	-6323	6930	12486	767			13253
	9	19014	-5837	9114	7305	7646			14951
	10	18233	-781	490	273	998			1271
	11	20510	2277	2398		121			121
	12	32510	12000	12540	456	84			540
	Annual		-3174	81916	73435	11655			85090
1991	1	38287	5777	6633	761	95			856
	2	34532	-3755	2983	6699	39			6738
	3	36695	2163	10792	8520	109			8629
	4	55311	18616	25788	7038	134			7172
	5	71140	15829	27961	11858	274			12132
	6	73283	2143	14122	11409	570			11979
	7	89213	15930	21104	4403	771			5174
	8	82086	-7127	9394	15576	945			16521
	9	75915	-6171	4432	9721	882			10603
	10	66060	-9855	3799	13291	363			13654
	11	59513	-6547	7005	13393	159			13552
	12	45210	-14303	2750	16904	149			17053
	Annual		12700	136763	119573	4490			124063
1992	1	27135	-18075	1219	19227	67			19294
	2	21118	-6017	1564	7536	45			7581
	3	23697	2579	4543	1906	58			1964
	4	44394	20697	22162	1360	105			1465
	5	63792	19398	21193	1474	321			1795
	6	76576	12784	15246	1955	507			2462
	7	84583	8007	13178	4417	754			5171
	8	85224	641	4345	2636	1068			3704
	9	80459	-4765	2777	6609	933			7542
	10	72551	-7908	1761	9359	310			9669
	11	71546	-1005	5060	5729	336			6065
	12	59415	-12131	3039	14995	175			15170
	Annual		14205	96087	77203	4679			81882
1993	1	42233	-17182	1530	12847	67			12914
	2	29434	-12799	1135	13849	85			13934
	3	28799	-635	5838	6422	51			6473
	4	36685	7886	14500	6503	111			6614
	5	51374	14689	21000	6000	311			6311
	6	58981	7607	10794	2568	619			3187
	7	59438	457	4127	2782	888			3670
	8	60349	911	1950		1039			1039
	9	60678	329	1086		757			757
	10	60781	103	1510	1014	393			1407
	11	49772	-11009	2397	13094	312			13406
	12	47381	-2391	2981	5250	122			5372
	Annual		-12034	68848	70329	4755			75084
1994	1	45700	-1681	3154	4750	85			4835

RESERVOIR BALANCE DATA OF V.KORAROV AND SHIROKA POLIANA RESERVOIRS (1987-1996)

Year	Month	Reservoir volume		Total inflow	Outflow and Loss (1000 m3)				
		End of month (1000 m3)	Difference (1000 m3)		Batak HPP	WS, outlet and loss			Total
	2	40824	-4876	1831	6607	100			6707
	3	41779	955	6412	5352	105			5457
	4	57287	15508	18771	3072	191			3263
	5	68373	11086	15550	3967	497			4464
	6	70653	2280	6271	3371	620			3991
	7	72445	1792	5554	2886	876			3762
	8	62791	-9654	2853	11864	643			12507
	9	54031	-8760	2890	10939	711			11650
	10	45890	-8141	2448	10294	295			10589
	11	40645	-5245	1970	6998	217			7215
	12	33326	-7319	1897	9100	116			9216
	Annual		-14055	69601	79200	4456			83656
1995	1	29778	-3548	2612	6079	81			6160
	2	29729	-49	2730	2675	104			2779
	3	31552	1823	7703	5766	114			5880
	4	44714	13162	19158	5858	138			5996
	5	65849	21135	29980	8460	385			8845
	6	76659	10810	19389	8137	442			8579
	7	80184	3525	16594	12375	694			13069
	8	72779	-7405	7203	13979	629			14608
	9	68593	-4186	5245	8864	567			9431
	10	62512	-6081	2574	8343	312			8655
	11	48447	-14065	3625	17453	237			17690
	12	40753	-7694	5439	13066	67			13133
	Annual		7427	122252	111055	3770			114825
1996	1	39714	-1039	11047	12023	63			12086
	2	31970	-7744	5800	13464	80			13544
	3	26041	-5929	6315	12181	63			12244
	4	35768	9727	17367	7532	108			7640
	5	66045	30277	41931	11350	304			11654
	6	65970	-75	10293	9705	663			10368
	7	66058	88	4783	3968	727			4695
	8	69762	3704	4803	490	609			1099
	9	74973	5211	9481	3764	506			4270
	10	75220	247	5529	4975	307			5282
	11	75087	-133	7082	6971	244			7215
	12	76584	1497	21955	20251	207			20458
	Annual		35831	146386	106674	3881			110555

Note: 1) Data source is the Dam and Cascades Enterprise.

2) HPP: hydropower station

RESERVOIR BALANCE DATA OF DOSPAT RESERVOIR (1987-1996)

Year	Month	Reservoir volume		Inflow	Outflow and Loss (1000 m3)					
		End of month (1000 m3)	Difference (1000 m3)	Total (1000 m3)	Teshel HPP	Minor Irigation	Potable WS Bistrica	Loss of waterway to Teshel HPP	Evaporat. & infiltrat. loss	Total
1987	1	219588	4282	6622	997			1178	165	2340
	2	229644	10056	13811	2477			1064	214	3755
	3	240125	10481	14893	3043			1178	191	4412
	4	284481	44356	50274	3524			1140	1254	5918
	5	305910	21429	25300	1218			1178	1475	3871
	6	314228	8318	14085	83	2245		884	2555	5767
	7	316802	2574	8269	525	1528		66	3576	5695
	8	315812	-990	4203	1033	714		62	3384	5193
	9	313238	-2574	3552	3197			60	2869	6126
	10	308683	-4555	4562	7374			62	1681	9117
	11	308287	-396	10630	10073			60	893	11026
	12	307891	-396	11080	10708			62	706	11476
	Annual		92585	167281	44252	4487	0	6994	18963	74696
1988	1	302941	-4950	6252	10679			62	461	11202
	2	303138	197	8439	7755			58	429	8242
	3	315020	11882	20596	8287			80	347	8714
	4	356320	41300	48665	6151			66	1148	7365
	5	382128	25808	29122	1232			62	2020	3314
	6	395495	13367	17949	1884			60	2638	4582
		387220	-8275	6994	10147	757		62	4303	15269
	8	378435	-8785	5363	9224	1021		62	3841	14148
	9	371473	-6962	2881	6466	489		60	2828	9843
	10	353044	-18429	2849	19081			62	2135	21278
	11	337992	-15052	8531	22557			60	966	23583
	12	331853	-6139	13606	19109			62	574	19745
	Annual		23962	171247	122572	2267	0	756	21690	147285
1989	1	318783	-13070	4777	17393			62	392	17847
	2	317991	-792	7200	7632			56	304	7992
	3	328091	10100	17982	7468			62	352	7882
	4	331853	3762	11817	6271			60	1724	8055
	5	319575	-12278	9899	20095			62	2020	22177
	6	321159	1584	10345	6684	0		60	2017	8761
	7	321555	396	14753	10527	648		62	3120	14357
	8	296426	-25129	6678	27179	1329		62	3237	31807
	9	273864	-22562	4747	25037	0		60	2212	27309
	10	255304	-18560	9891	26851			62	1538	28451
	11	239402	-15902	10976	25981			60	837	26878
	12	209825	-29577	4304	33305			62	514	33881
	Annual		-122028	113369	214423	1977	0	730	18267	235397
1990	1	183391	-26434	2811	28804			62	379	29245
	2	167790	-15601	3293	18410			56	428	18894
	3	158340	-9450	5784	14613			62	559	15234
	4	157297	-1043	13054	12952			60	1085	14097
	5	147462	-9835	10011	18240	0		62	1544	19846
	6	144631	-2831	8254	8481	0		60	2544	11085
	7	142098	-2533	6321	4305	1502		62	2985	8854
	8	137478	-4620	7522	7987	1558		62	2535	12142
	9	129732	-7746	2616	8346	0		60	1956	10362
	10	121032	-8700	2516	9876	0		62	1278	11216
	11	111795	-9237	2562	11245			60	494	11799
	12	136733	24938	28489	3081			62	408	3551
	Annual			93233	146340	3060	0	730	16195	166325
1991	1	142545	5812	7078	958			62	246	1266
	2	152231	9686	10963	1128			56	93	1277
	3	170202	17971	19119	721			62	365	1148
	4	192719	22517	23450	100			60	773	933
	5	221129	28410	29813				62	1341	1403
	6	231451	10322	13734	1327			60	2025	3412
	7	246269	14818	18450	742	445		62	2383	3632
	8	258015	11746	16939	818	1921		62	2392	5193
	9	259460	1445	4896	969	693		60	1729	3451
	10	254541	-4919	4516	7964			62	1409	9435
	11	253316	-1225	8524	8856			60	833	9749
	12	246088	-7228	7270	13383			62	1053	14498
	Annual		109355	164752	36966	3059	0	730	14642	55397
1992	1	229825	-16263	3358	19254	0	0	62	305	19621
	2	220273	-9552	3795	13176	0	0	58	113	13347
	3	218560	-1713	6165	7568	0	0	62	248	7878
	4	238860	20300	24714	3246	0	0	60	1108	4414
	5	255124	16264	18103	69	0	0	62	1708	1839
	6	274053	18929	21032	209	0	0	60	1834	2103
	7	281827	7774	10346	152	0	40	62	2318	2572
	8	281827	0	5294	808	906	124	62	3394	5294
	9	274812	-7015	3215	7038	0	65	60	3067	10230
	10	261448	-13364	2754	14603	0	86	186	1243	16118
	11	263255	1807	9591	6235	0	90	152	1307	7784
	12	253316	-9939	10675	19236	0	93	124	1161	20614
	Annual			119042	91594	906	498	1010	17806	111814
1993	1	239402	-13914	3647	17035		60	124	342	17561
	2	220787	-18615	1979	20124		57	112	301	20594
	3	223013	2226	11650	8897		70	124	333	9424
	4	241390	18377	23223	3684		53	120	989	4846
	5	254401	13011	16536	1862		67	124	1472	3525
	6	258015	3614	6680		282	79		2705	3066
	7	258196	181	4783		1123	84		3393	4602
	8	257653	-543	4578		558	63	723	3777	5121
	9	250425	-7228	2423	6780	323	72		2476	9651
	10	238860	-11565	2032	11595		63		1939	13597
	11	209312	-29548	2549	30967		80		1050	32097
	12	205030	-4282	6883	10575		84		506	11165
	Annual			86963	161519	2286	832	1327	19285	135249

RESERVOIR BALANCE DATA OF DOSPAT RESERVOIR (1987-1996)

Year	Month	Reservoir volume		Inflow	Outflow and Loss (1000 m3)					
		End of month (1000 m3)	Difference (1000 m3)	Total (1000 m3)	Teshel HPP	Minor Irrigation	Potable WS Bistritza	Loss of waterway to Teshel HPP	Evaporat. & infiltrat. loss	Total
1994	1	210168	5138	11720	6102	0	86	0	394	6582
	2	207256	-2912	4631	7132	0	65	0	346	7543
	3	213593	6337	10206	3422	0	62	0	385	3869
	4	234884	21291	23528	760	0	70	0	1407	2237
	5	244823	9939	12538	439	0	80	0	2080	2599
	6	248076	3253	5850	0	0	92	0	2505	2597
	7	251690	3614	7470	0	1209	85	0	2562	3856
	8	251509	-181	3153	0	469	80	16	2769	3334
	9	246811	-4698	1839	3188	296	75	60	2918	6537
	10	240848	-5963	4949	9425		78	62	1347	10912
	11	235788	-5060	3242	6954		63	104	1181	8302
	12	230909	-4879	5013	9035		75	62	720	9892
	Annual			94139	46457	1974	911	304	18614	68260
1995	1	223356	-7553	5720	12659		98	139	377	13273
	2	226952	3596	6997	2734		92	140	435	3401
	3	237234	10282	13402	2389		102	144	485	3120
	4	258015	20781	22214	245		92	120	976	1433
	5	273105	15090	17596	394		116	124	1872	2506
	6	283154	10049	13197			103	120	2925	3148
	7	293013	9859	12632			100	124	2549	2773
	8	299080	6067	9183		575	109	12	2420	3116
	9	304722	5642	7743			113		1988	2101
	10	300407	-4315	3705	5647		102		2271	8020
	11	291117	-9290	9263	17305		112		1136	18553
	12	296426	5309	19353	13269		117		658	14044
	Annual		65517	141005	54642	575	1256	923	18092	75488
1996	1	309475	13049	29544	15857		112		526	16495
	2	323932	14457	26817	12064		110		186	12360
	3	336210	12278	15794	3274		112		130	3516
	4	381302	45092	49559	88		115	3225	1039	4467
	5	420319	39017	49413	7959		120		2317	10396
	6	413105	-7214	10483	14994		148		2555	17697
	7	398253	-14852	6866	16986	1000	125		3607	21718
	8	383401	-14852	7704	18960	760	110		2726	22556
	9	373111	-10290	12003	20421		85		1787	22293
	10	367173	-5938	7977	12620		96		1199	13915
	11	366559	-614	15633	15271		95		881	16247
	12	398678	32119	43255	10268		95		773	11136
	Annual		102252	275048	148762	1760	1323	3225	17726	172796

Note 1) Data source is the Dam and Cascades Enterprise.

2) HPP: hydropower station

3) (Inflow of own water source and collecting facilities)=(Total of inflow) - (Inflow of other water source)

4) (Total of inflow)=(Difference of reservoir volume) + (Total of outflow and loss)

RESERVOIR BALANCE DATA OF ANTONIVANOVTSI RES. (1987-1996)

Year	Month	Reservoir volume		Inflow (1000 m3)				Outflow and Loss (1000 m3)			
		End of month (1000 m3)	Difference (1000 m3)	Own basin	Teshel HPP	PS-HPS	Total	Anton. HPP	Spillway	Evapor. & infiltrat. loss	Total
1987	1	107100	1550	8504	997	25408	34909	33297		62	33359
	2	128400	21300	29130	2477	19777	51384	30000		84	30084
	3	140570	12170	27576	3043	17128	47747	35422		155	35577
	4	211240	70670	101049	3524	11770	116343	45243		430	45673
	5	213838	2598	69023	1218	435	70676	67503		575	68078
	6	208890	-4948	26205	83	2215	28503	32640		811	33451
	7	190335	-18555	17651	525	5799	23975	41499		1031	42530
	8	166500	-23835	8865	1033	4678	14576	37537		874	38411
	9	146450	-20050	5080	3197	15231	23508	42838		720	43558
	10	133908	-12542	3901	7374	26327	37602	49835		309	50144
	11	137650	3742	12523	10073	25188	47784	43917		125	44042
	12	125600	-12050	18301	10708	21164	50173	62130		93	62223
	Annual		20050	327808	44252	175120	547180	521861	0	5269	527130
1988	1	133340	7740	5116	10679	33166	48961	41159		62	41221
	2	149840	16500	13359	7755	26314	47428	30812		116	30928
	3	183450	33610	46603	8287	20862	75752	41956		186	42142
	4	211240	27790	101077	6151	513	107741	79580		371	79951
	5	221000	9760	62489	1232	3446	67167	56869		538	57407
	6	219800	-1200	49687	1884	2334	53905	54545		560	55105
		197779	-22021	19352	10147	1856	31355	52234		1142	53376
	8	165660	-32119	8650	9224	2511	20385	51584		920	52504
	9	158716	-6944	6048	6466	17757	30271	36633		582	37215
	10	150600	-8116	3492	19081	22668	45241	53004		353	53357
	11	136210	-14390	6818	22557	13987	43362	57632		120	57752
	12	144585	8375	19030	19109	15492	53631	45163		93	45256
	Annual		18985	341721	122572	160906	625199	601171	0	5043	606214
1989	1	147200	2615	6240	17393	22252	45885	43208		62	43270
	2	157529	10329	13904	7632	22319	43855	33414		112	33526
	3	187105	29576	36492	7468	28329	72289	42527		186	42713
	4	189470	2365	22558	6271	20291	49120	46058		697	46755
	5	179795	-9675	19310	20095	17726	57131	66280		526	66806
	6	186460	6665	23380	6684	16438	46502	39390		447	39837
	7	194470	8010	39057	10527	11180	60764	51990		764	52754
	8	169020	-25450	10613	27179	3561	41353	65963		840	66803
	9	155573	-13447	5003	25037	19079	49119	62086		480	62566
	10	143855	-11718	12960	26851	20756	60567	71969		316	72285
	11	148700	4845	23293	25981	19894	69168	64203		120	64323
	12	126125	-22575	11473	33305	16406	61184	83666		93	83759
	Annual		-18460	224283	214423	218231	656937	670754	0	4643	675397
1990	1	121451	-4674	8001	28804	19180	55985	60597		62	60659
	2	125250	3799	8604	18410	22188	49202	45319		84	45403
	3	135490	10240	12370	14613	32627	59610	49215		155	49370
	4	143125	7635	18292	12952	29223	60467	52513		319	52832
	5	141118	-2007	23163	18240	22968	64371	65960		418	66378
	6	145325	4207	26814	8481	20664	55959	51133		619	51752
	7	111580	-33745	7208	4305	18926	30439	63392		792	64184
	8	107100	-4480	7149	7987	19152	34288	38095		673	38768
	9	115937	8837	8751	8346	23207	40304	31063		404	31467
	10	126300	10363	3332	9876	41462	54670	44021		286	44307
	11	135130	8830	3526	11245	35767	50538	41601		107	41708
	12	199589	64459	67152	3081	32318	102551	37985		107	38092
	Annual		73464	194362	146340	317682	658384	580894	0	4026	584920
1991	1	193815	-5774	14661	958	26480	42099	47811		62	47873
	2	188610	-5205	24523	1128	12350	38001	43094		112	43206
	3	188825	215	37073	721	9000	46794	46383		196	46579
	4	204323	15498	58520	100	18473	77093	61298		297	61595
	5	200748	-3575	63292		7029	70321	73389		507	73896
	6	192075	-8673	30108	1327	6628	38063	46121		615	46736
	7	198308	6233	28628	742	6012	35382	28450		699	29149
	8	186890	-11418	14579	818	1651	17048	27815		651	28466
	9	181300	-5590	10146	969	16114	27229	32289		530	32819
	10	166710	-14590	9995	7964	19861	37820	52133		277	52410
	11	157529	-9181	19187	8856	14306	42349	51410		120	51530
	12	123158	-34371	11899	13383	4431	29713	63991		93	64084
	Annual		-76431	322611	36966	142335	501912	574184	0	4159	578343
1992	1	113825	-9333	10017	19254	8612	37883	47152		64	47216
	2	123500	9675	7714	13176	14602	35492	25730		87	25817
	3	150220	26720	22584	7568	29363	59515	32640		155	32795
	4	203672	53452	73000	3246	21171	97417	43556		409	43965
	5	205625	1953	41075	69		41144	38619		572	39191
	6	209256	3641	39715	209		39924	35753		530	36283
	7	203765	-5501	24545	152	2376	27073	31857		717	32574
	8	177731	-26034	10617	808	4403	15828	40852		1010	41862
	9	165828	-11903	6003	7038	15788	28829	40033		699	40732
	10	163375	-2453	7560	14603	15111	37274	39345		382	39727
	11	167676	4301	9746	6235	18558	34539	30118		120	30238
	12	173304	5628	17868	19236	10515	47619	41898		93	41991
	Annual		50146	270444	91594	140499	502537	447553	0	4838	452391
1993	1	152500	-20804	7322	17035	12674	37031	57773		62	57835
	2	149270	-3230	6808	20124	9455	36387	39505		112	39617
	3	174816	25546	25953	8897	23834	58684	32952		186	33138
	4	198441	23625	39786	3684	22691	66161	42072		464	42536
	5	204044	5603	35917	1862	11793	49572	43432		537	43969
	6	198893	-5151	23731		12658	36389	40681		859	41540
	7	176118	-22775	8524		9154	17678	39476		977	40453
	8	153844	-22274	6460		15144	21604	42960		918	43878
	9	150372	-3472	4910	6780	19898	31588	34435		625	35060
	10	153691	3319	4353	11595	22141	38089	34377		393	34770
	11	136390	-17301	3749	30967	10292	45008	62189		120	62309
	12	152120	15730	9196	10575	25549	45320	29497		93	29590
	Annual		-21184	176709	111519	195283	483511	499349	0	5346	504695

RESERVOIR BALANCE DATA OF ANTONIVANOVTSI RES. (1987-1996)

Year	Month	Reservoir volume		Inflow (1000 m3)				Outflow and Loss (1000 m3)			
		End of month (1000 m3)	Difference (1000 m3)	Own basin	Teshel HPP	PS-HPS	Total	Anton. HPP	Spillway	Evapor. & infiltrat. loss	Total
1994	1	173010	20890	17341	6102	29842	53285	32333		62	32395
	2	175656	2646	8823	7132	19343	35298	32540		112	32652
	3	186675	11019	17140	3422	27896	48458	37253		186	37439
	4	204230	17555	36861	760	20337	57958	39923		480	40403
	5	208514	4284	24291	439	14286	39016	34008		724	34732
	6	194691	-13823	12762		6341	19103	32116		810	32926
	7	175404	-19287	10152		11028	21180	39583		884	40467
	8	152120	-23284	5633		8690	14323	36718		889	37607
	9	144950	-7170	2617	3188	13949	19754	26149		775	26924
	10	139110	-5840	2582	9425	23673	35680	41008		512	41520
	11	136930	-2180	3125	6954	22137	32216	34276		120	34396
	12	140935	4005	3920	9035	23520	36475	32377		93	32470
	Annual		-11185	145247	46457	221042	412746	418284	0	5647	423931
1995	1	150410	9475	10732	12659	21504	44895	35358		62	35420
	2	166500	16090	16012	2734	21165	39911	23709		112	23821
	3	186288	19788	28053	2389	9304	39746	19772		186	19958
	4	198132	11844	60855	245	1289	62389	50173		372	50545
	5	196985	-1147	44773	394	736	45903	46519		531	47050
	6	208798	11813	47613		4487	52100	39630		657	40287
	7	209736	938	36857		9967	46824	45095		791	45886
	8	195662	-14074	16100		12431	28531	41860		745	42605
	9	191379	-4283	10853		9850	20703	24482		504	24986
	10	187836	-3543	9172	5647	11950	26769	29839		473	30312
	11	164113	-23723	8323	17305	3136	28764	52357		130	52487
	12	167970	3857	19898	13269	5143	38310	34360		93	34453
	Annual		27035	309241	54642	110962	474845	443154	0	4656	447810
1996	1	191727	23757	46275	15857	4170	66302	42483		62	42545
	2	210488	18761	57245	12064	885	70194	51309		124	51433
	3	183149	-27339	31037	3274		34311	61433		217	61650
	4	208326	25177	87319	88		87407	61772		458	62230
	5	206462	-1864	82461	7959	231	90651	91909		606	92515
	6	209501	3039	17728	14994		32722	28711		972	29683
	7	193815	-15686	9110	16986		26096	40749		1033	41782
	8	186374	-7441	9224	18960	526	28710	35372		779	36151
	9	200517	14143	15002	20421		35423	20866		414	21280
	10	201213	696	10838	12620	478	23936	22975		265	23240
	11	210159	8946	23131	15271	143	38545	29374		225	29599
	12	196985	-13174	89783	10268		100051	110049	2895	281	113225
	Annual		29015	479153	148762	6433	634348	597002	2895	5436	605333

Note 1) Data source is the Dam and Cascades Enterprise.

2) HPP: hydropower station

3) (Inflow of own water source and collecting facilities)=(Total of inflow) - (Inflow of other water source)

4) (Total of inflow)=(Difference of reservoir volume) + (Total of outflow and loss)

RESERVOIR BALANCE DATA OF KRICHIM RESERVOIR (1987-1996)

Year	Month	Reservoir volume		Inflow	Outflow and Loss (1000 m3)						
		End of month (1000 m3)	Difference (1000 m3)	Total (1000 m3)	HPP Krichim HPP	HPP Vatcha II HPP	Pump of PS-HPP	Sub-total	Spillway & outlet	Evaporat. loss	Total
1987	1	18612	-130	37180	10558	1313	25408	37279	0	31	37310
	2	19390	778	34309	13287	439	19777	33503	0	28	33531
	3	19174	-216	38067	19913	1211	17128	38252	0	31	38283
	4	18443	-731	48152	35688	1352	11770	48810	0	73	48883
	5	18785	342	68213	65667	1678	435	67780	0	91	67871
	6	19217	432	33315	27268	3269	2215	32752	0	131	32883
	7	19390	173	43020	32568	2631	7473	42672	0	175	42847
	8	18958	-432	38518	31216	2897	4678	38791	0	159	38950
	9	18526	-432	43211	28017	249	15231	43497	0	146	43643
	10	18569	43	52698	25918	356	26317	52591	0	64	52655
	11	19044	475	48165	21999	472	25188	47659	0	31	47690
	12	19304	260	65391	43354	582	21164	65100	0	31	65131
	Annual		562	550239	355453	16449	176784	548686	0	991	549677
1988	1	18915	-389	46547	13329	410	33166	46905	0	31	46936
	2	18915	0	33594	6705	546	26314	33565	0	29	33594
	3	18443	-472	45115	24091	603	20862	45556	0	31	45587
	4	18699	256	79535	78483	223	513	79219	0	60	79279
	5	18699	0	56993	51533	1931	3446	56910	0	83	56993
	6	19044	345	54492	50724	1002	2334	54060	0	87	54147
		18484	-560	52653	45727	5446	1856	53029	0	184	53213
	8	19260	776	51121	43817	3854	2511	50182	0	163	50345
	9	18443	-817	38136	20823	254	17757	38834	0	119	38953
	10	18484	41	54833	31674	378	22668	54720	0	72	54792
	11	19347	863	58107	42592	635	13987	57214	0	30	57244
	12	19476	129	45661	29180	829	15492	45501	0	31	45532
	Annual		172	616787	438678	16111	160906	615695	0	920	616615
1989	1	18828	-648	45713	23458	620	22252	46330	0	31	46361
	2	18742	-86	35053	12616	176	22319	35111	0	28	35139
	3	18612	-130	44222	15789	203	28329	44321	0	31	44352
	4	19217	605	46753	24870	862	20291	46023	0	125	46148
	5	19044	-173	66477	48511	321	17726	66558	0	92	66650
	6	19044	0	39971	22955	496	16438	39889	0	82	39971
	7	16695	-2349	54008	44173	865	11180	56218	0	139	56357
	8	19477	2782	64978	57787	708	3561	62056	0	140	62196
	9	19260	-217	63159	43766	439	19079	63284	0	92	63376
	10	18785	-475	71574	50401	825	20756	71982	0	67	72049
	11	18154	-631	65175	44088	1794	19894	65776	0	30	65806
	12	18828	674	82663	63094	2458	16406	81958	0	31	81989
	Annual		-648	679746	451508	9767	218231	679506	0	888	680394
1990	1	18612	-216	61186	40884	1307	19180	61371	0	31	61402
	2	19131	519	46549	23037	777	22188	46002	0	28	46030
	3	18401	-730	51357	18910	519	32627	52056	0	31	52087
	4	19001	600	54126	23512	721	29223	53456	0	70	53526
	5	18785	-216	65914	41904	1170	22968	66042	0	88	66130
	6	18785	0	52916	31743	377	20664	52784	0	132	52916
	7	19173	388	63390	43437	460	18926	62823	0	179	63002
	8	18958	-215	40141	20545	484	19152	40181	0	175	40356
	9	18569	-389	32005	9028	61	23207	32296	0	98	32394
	10	18785	216	49295	7110	443	41462	49015	0	64	49079
	11	18742	-43	44800	8623	423	35767	44813	0	30	44843
	12	18871	129	39484	6519	487	32318	39324	0	31	39355
	Annual		43	601163	275252	7229	317682	600163	0	957	601120
1991	1	18871	0	49149	20877	1761	26480	49118	0	31	49149
	2	18612	-259	44507	31387	1001	12350	44738	0	28	44766
	3	18698	86	46358	36653	588	9000	46241	0	31	46272
	4	19044	346	61906	42372	667	18473	61512	0	48	61560
	5	18871	-173	71663	64127	585	7029	71741	0	95	71836
	6	19305	434	46359	38623	568	6628	45819	0	106	45925
	7	18958	-347	29898	23480	631	6012	30123	0	122	30245
	8	19087	129	28921	26626	396	1651	28673	21	98	28792
	9	18871	-216	32320	16171	118	16114	32403	30	103	32536
	10	19044	173	53608	33171	320	19861	53352	31	52	53435
	11	18957	-87	52032	37227	526	14306	52059	30	30	52119
	12	18785	-172	63237	57749	1167	4431	63347	31	31	63409
	Annual		-86	579958	428463	8328	142335	579126	143	775	580044
1992	1	18741	-44	46356	36564	1162	8612	46338	31	31	46400
	2	19001	260	26976	11162	894	14602	26658	29	29	26716
	3	18871	-130	35242	5408	539	29363	35310	31	31	35372
	4	19044	173	45751	23849	449	21171	45469	30	79	45578
	5	18914	-130	38972	38500	474		38974	31	97	39102
	6	18914	0	35291	34797	370		35167	30	94	35291
	7	19044	130	31990	28837	493	2376	31706	31	123	31860
	8	19001	-43	40915	34858	1492	4403	40753	31	174	40958
	9	19001	0	40972	24112	909	15788	40809	30	133	40972
	10	18698	-303	38785	23301	571	15111	38983	31	74	39088
	11	18828	130	30915	11765	402	18558	30725	30	30	30785
	12	18828	0	41150	29503	1070	10515	41088	31	31	41150
	Annual		43	453315	302656	8825	140499	451980	366	926	453272
1993	1	18957	129	56192	40995	2332	12674	56001	31	31	56063
	2	18698	-259	39151	29054	845	9455	39354	28	28	39410
	3	19303	605	34637	9504	632	23834	33970	31	31	34032
	4	19477	174	42988	19809	202	22691	42702	30	82	42814
	5	19217	-260	44383	32448	278	11793	44519	31	93	44643
	6	18698	-519	40386	27729	341	12658	40728	30	147	40905
	7	18871	173	39765	29943	294	9154	39391	31	170	39592
	8	18871	0	43793	27993	450	15144	43587	31	175	43793
	9	18828	-43	35439	15110	317	19898	35325	30	127	35482
	10	19044	216	35204	12447	292	22141	34880	31	77	34988
	11	18526	-518	60871	50235	802	10292	61329	30	30	61389
	12	18915	389	31434	5272	162	25549	30983	31	31	31045
	Annual		87	504243	300539	6947	195283	502769	365	1022	504156

RESERVOIR BALANCE DATA OF KRICHIM RESERVOIR (1987-1996)

Year	Month	Reservoir volume		Inflow	Outflow and Loss (1000 m3)						
		End of month (1000 m3)	Difference (1000 m3)	Total (1000 m3)	HPP			Sub-total	Spillway & outlet	Evaporat. loss	Total
					Krichim HPP	Vatcha II HPP	Pump of PS-HPP				
1994	1	19044	129	33731	3371	327	29842	33540	31	31	33602
	2	18698	-346	33503	13845	605	19343	33793	28	28	33849
	3	19044	346	38264	9520	440	27896	37856	31	31	37918
	4	18742	-302	40673	19951	574	20337	40862	30	83	40975
	5	18526	-216	34202	19617	367	14286	34270	31	117	34418
	6	19131	605	31853	24251	490	6341	31082	30	136	31248
	7	18828	-303	40732	29356	463	11028	40847	31	157	41035
	8	19304	476	37726	27994	370	8690	37054	31	165	37250
	9	18915	-389	27247	13071	431	13949	27451	30	155	27636
	10	18655	-260	42568	18551	466	23673	42690	31	107	42828
	11	18871	216	35675	12706	556	22137	35399	30	30	35459
	12	19088	217	33868	9678	391	23520	33589	31	31	33651
	Annual		173	430042	201911	5480	221042	428433	365	1071	429869
1995	1	18742	-346	36718	14868	630	21504	37002	31	31	37064
	2	18871	129	25136	3500	286	21165	24951	28	28	25007
	3	18828	-43	20036	9251	1462	9304	20017	31	31	20079
	4	18871	43	50384	44666	4266	1309	50241	30	70	50341
	5	18958	87	45914	44419	552	736	45707	31	89	45827
	6	18958	0	40247	34808	814	4487	40109	30	108	40247
	7	18958	0	46159	35243	792	9967	46002	31	126	46159
	8	18958	0	43432	30456	389	12431	43276	31	125	43432
	9	18742	-216	25240	15104	386	9850	25340	30	86	25456
	10	18871	129	30931	15036	833	14819	30688	31	83	30802
	11	18526	-345	53392	44057	6483	3136	53676	31	30	53737
	12	18699	173	35398	28936	1084	5143	35163	31	31	35225
	Annual		-389	452987	320344	17977	113851	452172	366	838	453376
1996	1	18569	-130	43635	34283	5250	4170	43703	31	31	43765
	2	18742	173	52516	41065	10335	885	52285	29	29	52343
	3	18612	-130	62859	49330	13597	0	62927	31	31	62989
	4	18569	-43	65122	52524	12533	0	65057	30	78	65165
	5	18443	-126	93803	71166	22398	231	93795	31	103	93929
	6	18958	515	29725	27698	1326	0	29024	30	156	29210
	7	18443	-515	41735	32049	9998	0	42047	31	172	42250
	8	18443	0	36389	29160	6536	526	36222	31	136	36389
	9	18958	515	21739	20707	418	0	21125	30	69	21224
	10	18655	-303	23919	23359	306	478	24143	31	48	24222
	11	18237	-418	30445	28813	1840	143	30796	30	37	30863
	12	18278	41	117632	29566	20801	0	50367	67179	45	117591
	Annual		-421	619519	439720	105338	6433	551491	67514	935	619940

Note 1) Data source is the Dam and Cascades Enterprise.

2) HPP: hydropower station

3) (Inflow of own water source and collecting facilities)=(Total of inflow) - (Inflow of other water source)

4) (Total of inflow)=(Difference of reservoir volume) + (Total of outflow and loss)

MONTHLY RESERVOIR BALANCE DATA OF IRRIGATION RESERVOIRS

1. Topolnitza Reservoir

Year	Month	Reservoir volume: End of month (1000 m3)	Reservoir volume: Difference (1000 m3)	Inflow (1000 m3)	Outflow and Loss (1000 m3)
1989	1				
	2				
	3				
	4	71260			
	5	72228	968	19056	9280
	6	84151	11923	19058	7135
	7	55703	-28448	8431	36726
	8	21565	-34138	2563	26565
	9	24218	2653	5710	3057
	10	30350	6132	6903	800
	11	37449	7099	7887	826
	12	42653	5204	6366	1162
	Annual		-28607	75974	85551
1990	1	49046	6393	7769	1376
	2	56536	7490	8701	1247
	3	62686	6150	7440	1290
	4	73382	10696	11583	1204
	5	97146	23764	25183	1419
	6	102668	5522	6769	1247
	7	102085	-583	2375	2958
	8	102220	135		
	9	103118	898	2102	1204
	10	104352	1234	2459	1335
	11	106499	2147	3437	1287
	12				
	Annual		63846	77818	14552
1991	1				
	2	78295		8379	11346
	3	89866	11571	17615	6044
	4	124242	34376	35338	5619
	5	126601	2359	33489	31130
	6	120674	-5927	31741	38527
	7	115731	-4943	34179	36308
	8	84491	-31540		
	9	54603	-29888	9918	38187
	10	42202	-12401	9507	21808
	11	33566	-8636	6884	13733
	12	40065	6499	6957	866
	Annual		-38230	194007	203530
1992	1	46064	5999	6769	780
	2	54335	8271	8852	754
	3	71260	16925	18714	1780
	4	123096	51836	53166	2463
	5	111508	-11588	19921	23197
	6	127726	16218	45817	29643
	7	105497	-22229	25550	47779
	8	57725	-47777	7952	55986
	9	26581	-31144	5773	34666
	10	26466	-115	7883	7756
	11	31650	5184	6340	1290
	12	37425	5775	6652	1204
	Annual		-2640	213389	207298
1993	1	42503	5078	5683	1161
	2	47009	4506	5051	1161
	3	53770	6761	7843	1247
	4	62464	8694	9657	1290
	5	73419	10955	13631	2676
	6	62599	-10820	6474	17334
	7	35175	-27424	2046	29430
	8	18855	-16320	1403	17723
	9	17587	-1268	1989	3257
	10	19107	1520	2853	1333
	11	22113	3006	4470	1464
	12	26620	4507	5840	1333
	Annual		-10805	66940	79409
1994	1	30696	4076	5409	1333
	2	35131	4435	5639	1204
	3	39926	4795	6128	1333
	4	48743	8817	10202	1385
	5	54097	5354	12719	7365
	6	43631	-10466	3393	13859
	7	29497	-14134	3135	17269
	8	18351	-11146	2440	13586
	9	15563	-2788	2216	5004
	10	18304	2741	4570	1829
	11	22325	4021	5731	1710
	12	27292	4967	6257	1290
	Annual		672	67839	67185
1995	1	33740	6448	7744	1296
	2	45412	11672	12640	968
	3	58659	13247	14321	1074
	4	89824	31165	32203	1038
	5	125636	35812	41609	5797
	6	115025	-10611	20131	30742
	7	105640	-9385	19469	28899
	8	75466	-30174	4079	34253
	9	68014	-7452	3135	10687
	10	66992	-1022	5439	6461
	11	73345	6353		
	12	88732	15387	16726	1339
	Annual		61440	177496	122554
1996	1	99660	10928		
	2	108264	8604	30295	21691
	3	98807	-9457	28333	37790
	4	116034	17227	67131	49904
	5	116942	908	32459	31551
	6	91546	-25396	7135	32531
	7	57428	-34118	3135	37249
	8	32805	-24623	4032	28655
	9	27810	-4995	6451	11446
	10	36023	8213	9552	1339
	11	42252	6229	7707	1478
	12	64650	22398	24912	1795
	Annual		-24082	221142	254929

2. Pyassachnik Reservoir

Year	Month	Reservoir volume: End of month (1000 m3)	Reservoir volume: Difference (1000 m3)	Inflow (1000 m3)	Outflow and Loss (1000 m3)
1989	1				
	2				
	3				
	4	55500			
	5	49600	-5900	4300	10200
	6	46000	-3600	800	4400
	7	18700	-27300	1000	28300
	8	4700	-14000	2800	16800
	9	1000	-3700	400	4100
	10	4700	3700	5900	200
	11	13300	8600	8900	300
	12	26700	13400	13600	200
	Annual		-28800	37700	64500
1990	1	30700	4000	4300	300
	2	34900	4200	4500	300
	3	37400	2500	2800	300
	4	38400	1000	1100	700
	5	30700	-7700	1100	8800
	6	21100	-9600	800	2400
	7	8500	-12600	1400	6530
	8	500	-8000		
	9	300	-200	100	300
	10	700	400	400	0
	11	1100	400	400	0
	12				
	Annual		-25600	16900	19710
1991	1				
	2	8800		3200	
	3	15900	7100	7100	0
	4	34100	18200	11360	0
	5	52000	17900	17900	0
	6	61400	9400	12400	3000
	7	48300	-13100	6000	19100
	8	34700	-13600		
	9	42000	7300	7400	300
	10	54300	12300	12400	100
	11	71500	17200	17200	0
	12	87500	16000	16100	100
	Annual		78700	131060	22600
1992	1	98300	10800	5520	300
	2	101900	3600	3900	300
	3	103000	1100		
	4	105300	3300	3300	
	5	105800	500	700	1200
	6	111900	6100	6100	
	7	96100	-15800		15800
	8	68400	-27700	1300	29000
	9	69000	600	2400	1800
	10	72800	3800	3800	
	11	74000	1200	1200	
	12	74400	400	400	0
	Annual		-13100	28620	48400
1993	1	74400	0		
	2	78100	3700	3700	
	3	79100	1000	1000	
	4	79900	800	800	
	5	80100	200	1200	1000
	6	63000	-17100	100	17200
	7	28700	-34300	200	34500
	8	8300	-20400	100	20500
	9	7600	-700	200	900
	10	10100	2500	2300	
	11	19100	9000	9000	
	12	20500	1400	1400	
	Annual		-53900	20000	74100
1994	1	21500	1000	1000	
	2	24000	2500	2500	
	3	25800	1800	1800	
	4	26700	900	900	
	5	27600	900	900	
	6	22600	-5000		5000
	7	15000	-7600	200	7800
	8	7700	-7300		7300
	9	5100	-2600	100	2100
	10	9200	4100	4300	200
	11	11900	2700	3900	
	12	16100	4200	3000	
	Annual		-4400	18600	22400
1995	1	22500	6400	6400	
	2	28500	6000	6000	
	3	33500	5000	5000	
	4	39200	5700	5700	
	5	44500	5300	5300	
	6	53800	9300	9300	
	7	61400	7600	7600	
	8	61400	0	300	300
	9	60800	-600		600
	10	60500	-300	100	400
	11	61200	700		
	12	63500	2300	2300	
	Annual		47400	48000	1300
1996	1	66200	2700		
	2	80200	14000	14000	
	3	92600	12400	12400	
	4	104000	11400	11400	
	5	106100	2100	2500	400
	6	105600	-500		
	7	88200	-17400		17400
	8	74600	-13600		13600
	9	74000	-600		
	10	76100	2100	2100	
	11	77500	1400	1400	
	12	80000	2500	2500	
	Annual		16500	46300	31400

3. Trakietz Reservoir

Year	Month	Reservoir volume: End of month (1000 m3)	Reservoir volume: Difference (1000 m3)	Inflow (1000 m3)	Outflow and Loss (1000 m3)
1989	1				
	2				
	3				
	4	49071			
	5	47740	-1331	552	1542
	6	40650	-7260	1215	6045
	7	31200	-9480	760	10240
	8	25650	-5550	460	6010
	9	23150	-2500	540	3040
	10	22900	-250	560	810
	11	22800	-100	700	800
	12	22650	-150	600	750
	Annual		-26421	5387	29337
1990	1	24060	1410	1930	520
	2	24720	660	1200	540
	3	24540	-180	555	735
	4	27560	3020	3840	820
	5	27630	70	1010	940
	6	26400	-1230	580	1810
	7	23850	-2850	510	3360
	8	20800	-2750	2010	5320
	9	20100	-700	650	1350
	10	19600	-500	450	950
	11	19000	-600	320	920
	12				
	Annual		-3650	13085	15225
1991	1	32460		1620	220
	2	45780	13320		
	3	47220	1440	1720	280
	4	47660	2440	1680	240
	5	48840	820	1210	1030
	6	45780	-3060	884	3974
	7	38720	-7060	1120	8180
	8	31130	-7590		
	9	27350	-3780	480	4260
	10	26940	-410	430	840
	11	27000	60	750	690
	12	27490	490	1110	620
	Annual		-4970	11064	20284
1992	1	27490	0	590	590
	2	27280	-210	420	630
	3	27490	210	820	610
	4	34000	6510	7070	560
	5	32740	-1260	330	1590
	6	31620	-1120	670	1790
	7	28190	-3430	340	3770
	8	23550	-4640	270	4910
	9	21500	-2050	300	2350
	10	20650	-850	160	1010
	11	20000	650	420	1070
	12	19700	-300	670	970
	Annual		-7790	12060	19850
1993	1	19500	-200	820	1020
	2	19250	-250	650	900
	3	21550	2300	2960	660
	4	23250	1700	2420	720
	5	29800	6550	7200	650
	6	28960	840	1210	2050
	7	25320	-3640	860	4500
	8	22800	-2520	440	2960
	9	21750	-1050	450	1500
	10	20850	-900	400	1300
	11	20550	-300	930	1230
	12	20700	150	1350	1200
	Annual		1000	19690	18690
1994	1	21100	400	2000	1600
	2	23650	2550	3350	800
	3	25800	2150	1460	
	4	27560	1760	3250	770
	5	28120	560	1450	890
	6	28260	140	1350	1210
	7	25800	-2460	590	3050
	8	22800	-3000	200	3200
	9	21500	-1300		1300
	10	21650	150	520	370
	11	23750	2100	2540	440
	12	32250	8500	8870	370
	Annual		11550	25580	14000
1995	1	45150	12900	13290	390
	2	52620	7470	7920	450
	3	58000	5380	5890	510
	4	64790	6790	7430	640
	5	64240	-550	930	1480
	6	61000	-3240	660	3900
	7	57400	-3600	710	4310
	8	53520	-3880	780	4660
	9	51630	-1890	800	2690
	10	50550	-1080	420	1500
	11	50370	-180		
	12	50820	450	1370	920
	Annual		18570	40200	21450
1996	1	52350	1530		
	2	61000	8650	9470	820
	3	69080	8080	8940	860
	4	71740	2660	3213	553
	5	71860	120	1760	1640
	6	66550	-5310	95	5405
	7	59500	-7050	36	8073
	8	55410	-4090	133	4223
	9	54150	-1260	303	1563
	10	53610	-540	280	820
	11	59500	5890	6805	915
	12	63140	3640	4215	585
	Annual		12320	35250	25457

Not 1) Data source is Irrigation Systems Ltd.

2) (Total of inflow)=(Difference of reservoir volume) + (Total of outflow and loss)

DATA E.2

DATA OF IRRIGATION WATER SUPPLY

MONTHLY SUPPLIED VOLUME OF IRRIGATION WATER OF IRRIGATION BRANCES (1/2)

Year	Month	PAZARDJIK IRRIGATION BRANCH							PLOVDIV IRRIGATION BRANCH						
		Potential Irrigation Area (ha)	Actual irrigated area (ha)	Monthly volume of supplied water (1000 m3)					Potential Irrigation Area (ha)	Actual irrigated area (ha)	Monthly volume of supplied water (1000 m3)				
				Irrigat.	Industry	Fish breeding	Others	Total			Irrigat.	Industry	Fish breed.	Others	Total
1992	1														
	2														
	3														
	4														
	5														
	6	36400	3963	32059	2360	10599		45018	93000	10800	93530	441	8600	43500	146071
	7	36400													
	8	36400	12286	102820	2820	14568		120208	93000	31300	336730	770	13600		351100
	9	36400	14029	124930	2900	15346		143176	93000	35000	463040	960	16000		480000
	10	36400		125090	2998	15709		143797			526600	1000	18400		546000
	11	36400		125250	3096	16072		144418	93000		526600	1082	18400		546082
	12	36400		125250	3096	16072		144418			528518	1082	18400		548000
	Annual	36400							93000						
1993	1														
	2														
	3														
	4														
	5														
	6	51949	1270	8888	300	3088		12276	123707	3700					
	7	51949	5179	42646	1300	7679		51625	123707	11400	144000	594	6000		150594
	8	51949	5567	67177	1860	9171		78208	123707	25600	275000	800	8600		284400
	9	51949	6809	89245	2330	10299		101874	123707	28200	360000	800	10000		370800
	10	51949	6809	93444	2340	10400		106184	123707	28500	355000	1048	10800		366848
	11	51949	6809	93444	2340	10400		106184	123707	28500	350000	1296	10800		362096
	12											1000			1000
	Annual	51949	6809	394844	10470	51037		456351	123707	28500					
1994	1														
	2														
	3														
	4														
	5		1537	3551	170	3491		7212		5482	13000	398	2931		16329
	6	52000	3315	21373	195	5290		26858	123700	6038	32300	540	7506	20500	60846
	7	36400	5339	50098	225	5964		56287	86590	7737	132200	748	10200	25480	168628
	8	36400	7245	77330	270	7452		85052	86590	9251	101500	900	15000	30000	147400
	9	36400	9150	86500	350	8419		95269	86590	11569	147700	965	17200	30600	196465
	10	36400	9271	87156	360	8980		96496	86590	15713	276000	1123	18460	32800	328383
	11	36400	10006	66670	320	9050		76040	86590	17754	213917	1026	15473	88984	319400
	12	36400	10293	45600	280	8900		54780	86590	18570	151834	912	12634	25168	190548
	Annual	52000	10293	392678	1890	48646		443214	123700	18570	916617	5700	86770	228364	1237451
1995	1														
	2														
	3														
	4														
	5														
	6														
	7														
	8														
	9														
	10														
	11														
	12														
	Annual														
1996	1														
	2														
	3														
	4														
	5														
	6	20009		16597		2701		19298	86229		62183	526	3723	11162	77594
	7	20495		50772		5500		56272	86229		148224	1121	9399	17250	175994
	8	20495		118584		8830		127414	86229		340908	1616	10272	23200	375996
	9			108980		6840		115820			360000	1599	8896	17420	387915
	10														
	11														
	12														
	Annual														

Note: 1) Data source is the Irrigation Systems Ltd.

2) Values of irrigation area, drainage area and actual irrigated area are the values around the end of month.

MONTHLY SUPPLIED VOLUME OF IRRIGATION WATER OF IRRIGATION BRANCES (2/2)

Year	Month	STARA ZAGORA IRRIGATION BRANCH							HASKOVO IRRIGATION BRANCH						
		Potential Irrigation Area (ha)	Actual irrigated area (ha)	Monthly volume of supplied water (1000 m3)					Potential Irrigation Area (ha)	Actual irrigated area (ha)	Monthly volume of supplied water (1000 m3)				
				Irrigat.	Industry	Fish breeding	Others	Total			Irrigat.	Industry	Fish breed.	Others	Total
1992	1														
	2														
	3														
	4														
	5														
	6	26250	675	3000	21000			24000	36000	3532	5357	4689			10046
	7								36000						
	8	26250	7275	35250	27375			62625	36000	6500	25310	6808			32118
	9	26250	7388	47625	30600			78225	36000	8000	34000	7380			41380
	10			49500	34399			83899			35100	7790			42890
	11	26250		49575	37725			87300	36000		39800	8600			48400
	12			49650	38250			87900			39800	8800			48600
	Annual	26250		49650					36000	8000					
1993	1														
	2														
	3														
	4														
	5														
	6	35196	510						44783	220	107	3091			
	7	35196	3698	10686	16089		84	26859	44783	1900	3214	5077			8291
	8	35196	5343	37454	16838		84	54376	44783	2300	7900	8750			16650
	9	35196	585	41891	18084		84	60059	44783	2700	11200	7400			18600
	10	35196	5835	41933	19951		84	61967	44783	2870	11800	8378			20178
	11	35196	5835	41933	22477		84	64493	44783	2870	12315	9332			21647
	12				26880		84					9332			
	Annual	35196	5835	173897	93438			267755	44783	2870	46536	42028			85366
1994	1														
	2														
	3														
	4														
	5		2552	1701	19785	266		21752							
	6	35175	6406	4888	20850	2414		28151		1507	80	3056			3136
	7	24623	7131	25118	25460	2414		52991	45100	3375	600	4360			4960
	8	24623	7963	29577	34410	2414		66401	31570	9006	6300	5698			11998
	9	24623	8384	31909	36675	2414		70997	31570	9878	6080	6636			12716
	10	24623	10219	58064	41775	2414		102252	31570	9878	10600	7542			18142
	11	24623	10607	40807	38570	151		79527	31570	10492	10600	8413		75	19088
	12	24623	10675	23550	33875	618		58043	31570	12329	10600	8770		154	19524
	Annual	35175	10675	192062	217524	12484		422070	45100	12329	34260	35705		75	70040
1995	1														
	2														
	3														
	4														
	5														
	6														
	7														
	8														
	9														
	10														
	11														
	12														
	Annual														
1996	1														
	2														
	3														
	4														
	5														
	6	28283		6346	28406	127		19298	33723		997	4092			5089
	7	26663		39085	49442	644		56272	33723		2982	6932			9914
	8	26663		125405	78413	858		127414							
	9	28313						115820							
	10	28313													
	11														
	12														
	Annual	28313													

Note: 1) Data source is the Irrigation Systems Ltd.

2) Values of irrigation area, drainage area and actual irrigated area are the values around the end of month.

3) The values of the Stara Zagora Branch in the Maritza River Basin are calculatec as 75% of the total value of the branch.

DATA E.3

IRRIGATION WATER CONSUMPTION BY CROPS IN 1996

IRRIGATION AREA AND WATER CONSUMPTION OF IRRIGATION BRANCHES BY CROPS IN 1996 (1/2)

Irrigation Branch: Pazardjik Irrigation Branch

Year	Month/ Day	Whole Area		Data by Crops				Maize		Tobacco		Sugar beet		Lucerne		Vegetables		Fruit Trees		Rice		Others	
		Potential irrigation area	Total irrigated water volume	Sum of irrigated area of crops	Sum of irrigated water volume by crops	Irrigated area by crops/poten t. irrigation area	Irrigated water by crops/total irrigated water	Area	Irrigated water volume	Area	Irrigated water volume	Area	Irrigated water volume	Area	Irrigated water volume	Area	Irrigated water volume	Area	Irrigated water volume	Area	Irrigated water volume	Area	Irrigated water volume
		(ha)	(1000 m3)	(ha)	(1000 m3)	(%)	(%)	(ha)	(1000 m3)	(ha)	(1000 m3)	(ha)	(1000 m3)	(ha)	(1000 m3)	(ha)	(1000 m3)	(ha)	(1000 m3)	(ha)	(1000 m3)	(ha)	(1000 m3)
		PA	TV	SA	SV	SA/PA	SV/TV	A1	V1	A2	V2	A3	V3	A4	V4	A5	V5	A6	V6	A7	V7	A8	V8
1996	1																						
	2																						
	3																						
	4																						
	5																						
	6	20009	16597	1800	14840	9.00	89.41	339	1385	50	65			5	10	274	1018	127	505	711	11260	294	597
	7	20495	72367	4576	78406	22.33	108.34	1412	16753	574	6520			30	253	371	5247	476	2710	711	37240	1009	9683
	8	20495	149627	4673	146057	22.80	97.61	1412	33252	582	8691			30	494	371	8705	550	7637	704	66210	1024	21068
	9	20495	147425	5006	145450	24.43	98.66	1675	31208	582	7836			30	444	371	7752	620	6639	704	73340	1024	18231
	10	no data																					
	11	no data																					
	12	no data																					
	Annual	*20495*	*386016*	*5006*	*384753*	*24.43*	*99.67*	*1675*	*82598*	*582*	*23112*	*0*	*0*	*30*	*1201*	*371*	*22722*	*620*	*17491*	*711*	*188050*	*1024*	*49579*
	Percentage			*100.0%*	*100.0%*			*33.5%*	*21.5%*	*11.6%*	*6.0%*	*0.0%*	*0.0%*	*0.6%*	*0.3%*	*7.4%*	*5.9%*	*12.4%*	*4.5%*	*14.2%*	*48.9%*	*20.5%*	*12.9%*

Note: Italic values are only for reference.

Irrigation Branch: Plovdiv Irrigation Branch

Year	Month/ Day	Whole Area		Data by Crops				Maize		Tobacco		Sugar beet		Lucerne		Vegetables		Fruit Trees		Rice		Others	
		Potential irrigation area	Total irrigated water volume	Sum of irrigated area of crops	Sum of irrigated water volume by crops	Irrigated area by crops/poten t. irrigation area	Irrigated water by crops/total irrigated water	Area	Irrigated water volume	Area	Irrigated water volume	Area	Irrigated water volume	Area	Irrigated water volume	Area	Irrigated water volume	Area	Irrigated water volume	Area	Irrigated water volume	Area	Irrigated water volume
		(ha)	(1000 m3)	(ha)	(1000 m3)	(%)	(%)	(ha)	(1000 m3)	(ha)	(1000 m3)	(ha)	(1000 m3)	(ha)	(1000 m3)	(ha)	(1000 m3)	(ha)	(1000 m3)	(ha)	(1000 m3)	(ha)	(1000 m3)
		PA	TV	SA	SV	SA/PA	SV/TV	A1	V1	A2	V2	A3	V3	A4	V4	A5	V5	A6	V6	A7	V7	A8	V8
1996	1																						
	2																						
	3																						
	4																						
	5																						
	6	86229	62183	6591	52332	7.64	84.16	993	1906	279	348			35	91	1567	3788	128	490	2299	43166	1290	2543
	7	86229	206676	12809	173677	14.85	84.03	3351	15163	1306	4159			237	963	1908	13262	554	3283	2353	124788	3100	12059
	8	86229	435390	18827	362826	21.83	83.33	5706	50181	1501	13884			340	2840	2037	30798	966	9282	2353	218361	5924	37480
	9	86229	480000	20147	400000	23.36	83.33	5891	58288	1622	17840	20	88	342	3156	2039	32212	1148	12204	2353	254580	6732	41632
	10	no data																					
	11	no data																					
	12	no data																					
	Annual	86229	1184249	20147	988835	23.36	83.50	5891	125538	1622	36231	20	88	342	7050	2039	80060	1148	25259	2353	620895	6732	93714
	Percentage			100.0%	100.0%			29.2%	12.7%	8.1%	3.7%	0.1%	0.0%	1.7%	0.7%	10.1%	8.1%	5.7%	2.6%	11.7%	62.8%	33.4%	9.5%

Note: Italic values are only for reference.

IRRIGATION AREA AND WATER CONSUMPTION OF IRRIGATION BRANCHES BY CROPS IN 1996 (2/2)

Irrigation Branch: Stara Zagora Irrigation Branch

Year	Month/ Day	Whole Area		Data by Crops				Maize		Tobacco		Sugar beet		Lucerne		Vegetables		Fruit Trees		Rice		Others	
		Potential irrigation area	Total irrigated water volume	Sum of irrigated area of crops	Sum of irrigated water volume by crops	Irrigated area by crops/poten t. irrigation area	Irrigated water by crops/total irrigated water	Area	Irrigated water volume	Area	Irrigated water volume	Area	Irrigated water volume	Area	Irrigated water volume	Area	Irrigated water volume	Area	Irrigated water volume	Area	Irrigated water volume	Area	Irrigated water volume
		(ha)	(1000 m3)	(ha)	(1000 m3)	(%)	(%)	(ha)	(1000 m3)	(ha)	(1000 m3)	(ha)	(1000 m3)	(ha)	(1000 m3)	(ha)	(1000 m3)	(ha)	(1000 m3)	(ha)	(1000 m3)	(ha)	(1000 m3)
		PA	TV	SA	SV	SA/PA	SV/TV	A1	V1	A2	V2	A3	V3	A4	V4	A5	V5	A6	V6	A7	V7	A8	V8
1996	1																						
	2																						
	3																						
	4																						
	5																						
	6	37710	8461	773	3127	2.05	36.96	207	194	9	9			60	108	180	501			165	2117	152	198
	7	37751	82846	4629	23408	12.26	28.25	2127	8273	512	1053	26	61	225	668	263	2432	181	664	165	7491	1130	2766
	8	37751	212652	7720	81780	20.45	38.46	3560	35164	572	6831	120	572	502	3107	323	6690	686	4116	165	13711	1792	11589
	9	37751	188043	7820	73199.5	20.71	38.93	3560	31184	582	7610	120	512	502	2720	323	5768	686	4228	165	10313.5	1882	10864
	10	no data																					
	11	no data																					
	12	no data																					
	Annual	*37751*	*492002*	*7820*	*181514.5*	*20.71*	*36.89*	*3560*	*74815*	*582*	*15503*	*120*	*1145*	*502*	*6603*	*323*	*15391*	*686*	*9008*	*165*	*33632.5*	*1882*	*25417*
	Percentage			*100.0%*	*100.0%*			*45.5%*	*41.2%*	*7.4%*	*8.5%*	*1.5%*	*0.6%*	*6.4%*	*3.6%*	*4.1%*	*8.5%*	*8.8%*	*5.0%*	*2.1%*	*18.5%*	*24.1%*	*14.0%*

Note: Italic values are only for reference.

Irrigation Branch: Haskovo Irrigation Branch

Year	Month/ Day	Whole Area		Data by Crops				Maize		Tobacco		Sugar beet		Lucerne		Vegetables		Fruit Trees		Rice		Others	
		Potential irrigation area	Total irrigated water volume	Sum of irrigated area of crops	Sum of irrigated water volume by crops	Irrigated area by crops/poten t. irrigation area	Irrigated water by crops/total irrigated water	Area	Irrigated water volume	Area	Irrigated water volume	Area	Irrigated water volume	Area	Irrigated water volume	Area	Irrigated water volume	Area	Irrigated water volume	Area	Irrigated water volume	Area	Irrigated water volume
		(ha)	(1000 m3)	(ha)	(1000 m3)	(%)	(%)	(ha)	(1000 m3)	(ha)	(1000 m3)	(ha)	(1000 m3)	(ha)	(1000 m3)	(ha)	(1000 m3)	(ha)	(1000 m3)	(ha)	(1000 m3)	(ha)	(1000 m3)
		PA	TV	SA	SV	SA/PA	SV/TV	A1	V1	A2	V2	A3	V3	A4	V4	A5	V5	A6	V6	A7	V7	A8	V8
1996	1																						
	2																						
	3																						
	4																						
	5																						
	6	33723	2007	1795	2007	5.32	100.00	597	649	334	458			20	33	647	670					197	197
	7	37751	11783	5226	11036	13.84	93.66	1808	3907	956	1604			60	112	1107	2867	15	51			1280	2495
	8	33723	25026	6253	25065	18.54	100.16	2285	9038	1235	4963			90	265	1207	6000	25	156			1411	4643
	9	33723	23174	6253	22985	18.54	99.18	2285	7499.5	1235	4255.5			90	278.5	1207	6861.5	25	132			1411	3958
	10	no data																					
	11	no data																					
	12	no data																					
	Annual	37751	61990	6253	61093	16.56	98.55	2285	21093.5	1235	11280.5	0	0	90	688.5	1207	16398.5	25	339	0	0	1411	11293
	Percentage			100.0%	100.0%			36.5%	34.5%	19.8%	18.5%	0.0%	0.0%	1.4%	1.1%	19.3%	26.8%	0.4%	0.6%	0.0%	0.0%	22.6%	18.5%

Note: Italic values are only for reference.

DATA E.4

MONTHLY RAINFALL OF THE IRRIGATION SYSTEM

IN 1994 AND 1995

MONTHLY RAINFALL OF THE IRRIGATION SYSTEMS IN 1994

1. Monthly Rainfall Data of 1994

(Unit: mm)

Month / Rainfall St.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Sestrimo	27.0	33.0	26.0	63.0	55.0	36.0	80.0	11.0	75.0	67.0	59.0	55.0	587.0
Velingrad	25.0	21.0	40.0	54.0	36.0	35.0	67.0	50.0	7.0	54.0	36.0	68.0	493.0
Panagyurishte	17.0	36.0	25.0	56.0	32.0	43.0	35.0	25.0	4.0	97.0	43.0	53.0	466.0
Ivailo	18.0	23.0	34.0	56.0	21.0	29.0	20.0	12.0	6.0	81.0	47.0	55.0	402.0
Plovdiv	13.0	28.0	32.0	56.0	30.0	33.0	16.0	13.0	5.0	67.0	44.0	75.0	412.0
Rozino	27.0	19.0	18.0	79.0	45.0	42.0	43.0	22.0	20.0	103.0	28.0	67.0	513.0
Bania	9.0	19.0	49.0	84.0	36.0	11.0	65.0	0.0	1.0	75.0	39.0	63.0	451.0
Rozovetz	11.0	17.0	47.0	71.0	31.0	94.0	53.0	31.0	13.0	82.0	37.0	87.0	574.0
Parvomay	15.0	42.0	25.0	64.0	32.0	46.0	34.0	4.0	18.0	88.0	41.0	59.0	468.0
Topolovo	22.0	50.0	49.0	89.0	33.0	59.0	57.0	7.0	18.0	137.0	70.0	66.0	657.0
Stara Zagora	18.0	9.0	34.0	75.0	36.0	25.0	51.0	3.0	0.0	48.0	27.0	77.0	403.0
Sadievo	17.0	4.0	28.0	91.0	26.0	49.0	70.0	9.0	6.0	57.0	27.0	92.0	476.0
Polski Gradetz	14.0	12.0	49.0	69.0	22.0	52.0	46.0	11.0	0.0	65.0	45.0	78.0	463.0
Haskovo	25.0	37.0	43.0	63.0	23.0	75.0	37.0	6.0	0.0	122.0	62.0	78.0	571.0
Harmanli	25.0	23.0	34.0	66.0	35.0	54.0	40.0	8.0	0.0	87.0	62.0	74.0	508.0
Oreshetz	25.0	32.0	53.0	78.0	41.0	48.0	70.0	3.0	0.0	157.0	75.0	85.0	667.0
Svilengrad	12.0	11.0	28.0	67.0	40.0	44.0	51.0	3.0	0.0	89.0	60.0	82.0	487.0

2. Monthly Rainfall of Irrigation Systems

Month / Irrigation System	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Karabunar IS	21.3	27.8	30.3	58.6	34.7	32.7	43.7	12.7	31.8	77.0	51.2	54.8	476.6
Varvara IS	23.1	28.6	29.5	59.9	40.1	32.9	53.7	11.4	44.7	73.1	53.7	55.0	505.9
Aleko Pazardjik IS	17.1	23.9	33.7	56.0	22.6	29.7	19.3	12.2	5.8	78.6	46.5	58.5	403.8
Peshtera IS	18.0	23.0	34.0	56.0	21.0	29.0	20.0	12.0	6.0	81.0	47.0	55.0	402.0
Velingrad IS	25.0	21.0	40.0	54.0	36.0	35.0	67.0	50.0	7.0	54.0	36.0	68.0	493.0
Topolnitza IS	14.4	24.8	35.1	59.8	27.2	28.5	24.2	10.9	4.9	73.6	44.5	65.5	413.3
Stryama Chirpan IS	12.0	24.8	38.7	66.3	31.5	49.9	37.8	15.4	8.4	75.5	40.6	74.9	475.7
Domlyan IS	10.0	18.0	48.0	77.3	33.4	53.9	58.8	16.0	7.2	78.6	38.0	75.4	514.5
Karlovo IS	9.9	19.0	47.5	83.8	36.4	12.5	64.0	1.0	1.9	76.3	38.5	63.2	454.0
Krichim Cheshnigirovo IS	13.2	27.8	32.1	56.0	29.6	32.8	16.2	13.0	5.0	67.6	44.1	74.2	411.6
Small ISs of Parvomay, Assenovgrad ISs	16.9	42.1	34.0	70.7	32.0	47.9	38.2	6.6	15.7	100.1	50.9	64.1	519.3
Stara Zagora	18.0	9.0	34.0	75.0	36.0	25.0	51.0	3.0	0.0	48.0	27.0	77.0	403.0
Nova Zagora	17.0	4.0	28.0	91.0	26.0	49.0	70.0	9.0	6.0	57.0	27.0	92.0	476.0
Small ISs in Sazliyka Basin	23.0	29.1	42.0	64.8	25.6	65.8	39.4	7.4	0.0	103.2	58.8	77.1	536.2
Trakietz	25.0	35.3	41.9	63.4	24.5	72.4	37.4	6.2	0.0	117.7	62.0	77.5	563.2
Biser	15.6	15.5	32.3	68.4	39.5	45.9	52.1	3.7	0.0	98.1	62.3	81.3	514.6

MONTHLY RAINFALL OF THE IRRIGATION SYSTEMS IN 1995

1. Monthly Rainfall Data of 1995

(Unit: mm)

Month / Rainfall St.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Sestrimo	68.0	13.0	82.0	24.0	68.0	93.0	97.0	54.0	31.0	8.0	29.0	142.0	709.0
Velingrad	70.0	17.0	63.0	28.0	52.0	66.0	93.0	49.0	34.0	3.0	49.0	88.0	612.0
Panagyurishte	81.0	4.0	63.0	15.0	76.0	97.0	76.0	57.0	35.0	7.0	51.0	105.0	667.0
Ivailo	62.0	14.0	68.0	15.0	33.0	53.0	65.0	40.0	24.0	4.0	37.0	75.0	490.0
Plovdiv	97.0	16.0	108.0	15.0	23.0	62.0	45.0	34.0	34.0	7.0	40.0	85.0	566.0
Rozino	43.0	12.0	67.0	27.0	84.0	159.0	104.0	57.0	44.0	5.0	58.0	151.0	811.0
Bania	34.0	10.0	44.0	3.0	34.0	148.0	57.0	59.0	30.0	4.0	47.0	71.0	541.0
Rozovetz	48.0	14.0	98.0	44.0	55.0	139.0	64.0	29.0	33.0	4.0	60.0	104.0	692.0
Parvomay	70.0	18.0	57.0	24.0	2.0	23.0	74.0	31.0	31.0	0.0	43.0	95.0	468.0
Topolovo	110.0	23.0	97.0	21.0	38.0	100.0	69.0	50.0	36.0	15.0	50.0	86.0	695.0
Stara Zagora	77.0	8.0	71.0	26.0	36.0	59.0	63.0	26.0	64.0	6.0	51.0	83.0	570.0
Sadievo	51.0	8.0	52.0	24.0	42.0	43.0	39.0	37.0	68.0	7.0	55.0	81.0	507.0
Polski Gradetz	79.0	17.0	88.0	61.0	19.0	23.0	78.0	54.0	46.0	10.0	86.0	52.0	613.0
Haskovo	133.0	28.0	135.0	49.0	28.0	25.0	44.0	48.0	59.0	11.0	68.0	70.0	698.0
Harmanli	96.0	27.0	111.0	48.0	23.0	30.0	49.0	37.0	44.0	7.0	82.0	58.0	612.0
Oreshetz	191.0	16.0	139.0	53.0	26.0	27.0	40.0	46.0	47.0	10.0	108.0	84.0	787.0
Svilengrad	126.0	21.0	65.0	52.0	21.0	34.0	36.0	26.0	41.0	15.0	114.0	62.0	613.0

2. Monthly Rainfall of Irrigation Systems

Month / Irrigation System	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Karabunar IS	65.8	12.8	72.9	18.4	49.6	71.5	77.9	46.6	27.5	5.7	35.1	102.6	586.3
Varvara IS	65.4	13.4	75.9	20.1	52.6	75.5	83.0	47.9	27.9	6.2	32.5	112.6	612.9
Aleko Pazardjik IS	68.1	14.4	75.0	15.0	31.3	54.6	61.5	39.0	25.8	4.5	37.5	76.8	503.3
Peshtera IS	62.0	14.0	68.0	15.0	33.0	53.0	65.0	40.0	24.0	4.0	37.0	75.0	490.0
Velingrad IS	70.0	17.0	63.0	28.0	52.0	66.0	93.0	49.0	34.0	3.0	49.0	88.0	612.0
Topolnitza IS	74.7	14.4	83.6	13.4	28.4	70.0	54.5	39.7	29.5	5.4	39.7	79.2	532.5
Stryama Chirpan IS	68.1	14.6	88.2	23.1	32.3	95.6	56.4	36.2	32.7	4.7	47.8	89.8	589.5
Domlyan IS	41.2	12.1	71.9	24.2	44.8	143.4	60.6	43.5	31.5	4.0	53.7	88.0	619.0
Karlovo IS	34.4	10.1	45.1	4.1	36.4	148.5	59.2	58.9	30.7	4.0	47.5	74.8	553.9
Krichim Cheshnigirovo IS	95.6	15.9	106.4	15.0	23.4	61.6	45.8	34.2	33.6	6.9	39.9	84.6	563.0
Small ISs of Parvomay, Assenovgrad ISs	87.8	19.3	79.1	21.4	17.4	55.0	67.2	37.7	33.2	6.1	44.7	90.3	559.2
Stara Zagora	77.0	8.0	71.0	26.0	36.0	59.0	63.0	26.0	64.0	6.0	51.0	83.0	570.0
Nova Zagora	51.0	8.0	52.0	24.0	42.0	43.0	39.0	37.0	68.0	7.0	55.0	81.0	507.0
Small ISs in Sazliyka Basin	114.3	25.7	120.6	51.0	25.2	25.8	51.5	46.5	53.1	9.9	74.6	63.8	662.0
Trakietz	128.4	27.9	132.0	48.9	27.4	25.6	44.6	46.6	57.1	10.5	69.7	68.5	687.3
Biser	130.8	21.1	81.5	51.6	22.0	32.5	38.3	30.3	42.2	13.2	108.8	64.5	636.7

DATA E.5

MONTHLY AVERAGE POTENTIAL EVAPOTRANSPIRATION AND CROP EFFICIENCY OF IRRIGATION SYSTEMS

MONTHLY AVERAGE POTENTIAL EVAPOTRANSPIRATION AND CROP COEFFICIENT OF IRRIGATION SYSTEMS

1 Monthly Average Potential Evapotranspiration

(Unit: mm)

Month / River Basin	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
MU1	20.0	28.0	56.0	86.0	117.0	140.0	152.0	134.0	89.0	55.0	29.0	21.0	927.0
MU2	21.0	29.0	59.0	98.0	135.0	160.0	177.0	156.0	104.0	58.0	28.0	18.0	1043.0
MM1	21.0	29.0	59.0	98.0	135.0	159.0	175.0	155.0	103.0	58.0	29.0	18.0	1039.0
MM2	21.0	29.0	59.0	99.0	136.0	161.0	178.0	157.0	105.0	58.0	28.0	18.0	1049.0
MM3	20.0	29.0	60.0	100.0	138.0	163.0	181.0	159.0	106.0	58.0	28.0	17.0	1059.0
MD	20.0	29.0	60.0	100.0	137.0	163.0	181.0	159.0	106.0	58.0	28.0	17.0	1058.0
TOP	21.0	28.0	57.0	90.0	123.0	146.0	159.0	140.0	93.0	56.0	29.0	20.0	962.0
LUD	21.0	29.0	59.0	94.0	129.0	153.0	167.0	148.0	98.0	58.0	29.0	20.0	1005.0
PYA	21.0	32.0	59.0	99.0	132.0	161.0	171.0	151.0	104.0	58.0	30.0	19.0	1037.0
STR	21.0	32.0	58.0	97.0	128.0	157.0	166.0	147.0	101.0	58.0	30.0	21.0	1016.0
CPI	21.0	27.0	54.0	82.0	111.0	135.0	145.0	128.0	85.0	54.0	29.0	22.0	893.0
STA	21.0	31.0	56.0	89.0	119.0	146.0	154.0	136.0	93.0	56.0	30.0	21.0	952.0
VAC	21.0	30.0	53.0	82.0	108.0	135.0	141.0	124.0	85.0	53.0	29.0	22.0	883.0
CPE	21.0	30.0	54.0	84.0	112.0	139.0	145.0	128.0	88.0	54.0	30.0	22.0	907.0
HAR	21.0	32.0	60.0	103.0	137.0	167.0	179.0	158.0	108.0	58.0	29.0	17.0	1069.0
SAZ	20.0	32.0	60.0	103.0	137.0	168.0	180.0	159.0	109.0	58.0	29.0	17.0	1072.0

2 Monthly Average Potential Evapotranspiration of Irrigation Systems

(Unit: mm)

Month / Irrigation System	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Karabunar IS	20.3	28.1	56.4	87.7	119.6	142.7	155.3	136.8	90.9	55.4	28.9	20.6	942.7
Varvara IS	20.3	28.1	56.3	87.8	119.8	143.3	156.0	137.6	91.4	55.5	28.8	20.5	945.4
Aleko Pazardjik IS	21.0	28.9	58.8	97.6	134.1	158.5	174.6	154.3	102.8	57.9	28.5	18.3	1035.4
Peshtera IS	21.0	29.8	57.8	94.3	128.4	154.2	167.4	147.7	99.4	57.2	28.8	19.2	1005.2
Velingrad IS	21.0	27.0	54.0	82.0	111.0	135.0	145.0	128.0	85.0	54.0	29.0	22.0	893.0
Topolnitza IS	21.0	29.5	58.8	97.3	132.9	157.8	172.2	152.5	102.0	57.9	29.2	18.7	1029.8
Stryama Chirpan IS	21.0	30.3	58.6	98.2	132.6	159.3	172.9	152.8	103.3	58.0	28.8	19.3	1035.1
Domlyan IS	21.0	30.9	58.4	97.7	130.9	158.4	170.3	150.6	102.4	58.0	29.3	19.9	1027.9
Karlovo IS	21.0	32.0	58.0	97.0	128.0	157.0	166.0	147.0	101.0	58.0	30.0	21.0	1016.0
Krichim Cheshnigirovo IS	21.0	29.3	57.6	94.2	128.6	153.3	166.9	147.6	98.7	56.8	29.0	19.0	1001.9
Small ISs of Parvomay, Assenovgrad ISs	21.0	29.0	58.9	98.8	135.7	160.6	177.5	156.6	104.7	57.9	28.1	18.1	1046.8
Stara Zagora	20.0	31.8	60.0	102.8	137.1	167.6	180.1	159.0	108.8	58.0	28.9	17.0	1071.0
Nova Zagora	20.0	32.0	60.0	103.0	137.0	168.0	180.0	159.0	109.0	58.0	29.0	17.0	1072.0
Small ISs in Sazliyka Basin	20.0	30.3	60.0	101.3	137.6	165.1	180.6	159.0	107.3	58.0	28.4	17.0	1064.5
Trakietz	20.7	31.1	60.0	102.1	137.3	165.9	179.6	158.3	107.4	58.0	28.7	17.0	1066.1
Biser	20.0	29.0	60.0	100.0	137.0	163.0	181.0	159.0	106.0	58.0	28.0	17.0	1058.0

3 Crop coefficient Kc2

Month / Crop	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Maize						0.35	0.70	1.05	0.95			
Tobacco					*0.01*	*0.71*	*0.96*	*0.70*				
Sugar beet						0.35	0.70	1.05	0.90			
Lucerne						0.35	0.85	1.05	0.50			
Vegetable					0.35	0.70	1.05	0.60				
Fruit trees				0.50	0.75	1.00	1.10	1.10	0.85			
Rice					*2.67*	*3.32*	*3.79*	*2.65*				
Other								*0.88*	*1.58*	*0.53*		

Data source:
1) FAO; Crop Water Requirements, 1992
2) EWI in association with ENERGOPROEKT; Bulgaria Hydropower Study, 1994

Note:
1) Italic valus are estimated value referring EWI's report.
2) Other values are derived from FAO report.

DATA E.6

INTER-BASIN WATER TRANSFER

INTER-BASIN WATER TRANSFER

(Unit: 1000 m3)

Month-Year	Struma and Mesta Basins to MUI	Mesta Basin to VAC	Tundza Basin to SAZ	Total Inflow into Maritza Basin	Belmeken Scheme to Iskar Basin	Total Outflow from Maritza Basin
Jan-87	7203	1533	2495	11231	1232	1232
Feb-87	6637	2990	2445	12073	1113	1113
Mar-87	6644	3661	2521	12827	1157	1157
Apr-87	9880	13785	2680	26344	2639	2639
May-87	10437	12680	2973	26089	29823	29823
Jun-87	1107	4385	22002	27494	39859	39859
Jul-87	1270	2618	51836	55724	12181	12181
Aug-87	880	1919	32607	35406	2560	2560
Sep-87	4174	3957	5448	13579	1778	1778
Oct-87	5540	8232	4092	17864	1864	1864
Nov-87	9573	11651	3689	24913	2518	2518
Dec-87	7856	12423	3722	24001	2607	2607
Jan-88	9787	11394	3409	24590	1833	1833
Feb-88	8890	8467	3079	20436	1451	1451
Mar-88	8115	9048	3399	20562	1557	1557
Apr-88	8447	15714	3069	27230	5917	5917
May-88	9580	12203	13214	34998	40735	40735
Jun-88	6292	7406	19831	33529	25953	25953
Jul-88	4541	11950	49628	66119	2566	2566
Aug-88	3828	9962	42833	56623	0	0
Sep-88	6689	7173	10584	24447	0	0
Oct-88	6032	19370	4554	29956	0	0
Nov-88	5473	23657	3343	32473	0	0
Dec-88	5403	20327	3567	29297	0	0
Jan-89	7171	17852	3614	28637	0	0
Feb-89	1917	8488	3287	13692	790	790
Mar-89	0	10943	3676	14619	3162	3162
Apr-89	0	10460	3264	13724	15457	15457
May-89	7470	23053	12393	42916	10818	10818
Jun-89	6809	9640	15750	32199	11739	11739
Jul-89	4583	15508	35469	55560	4664	4664
Aug-89	1596	28627	17886	48109	1498	1498
Sep-89	4900	25562	5511	35973	2713	2713
Oct-89	7792	28806	2211	38809	1763	1763
Nov-89	7539	29388	3168	40095	0	0
Dec-89	5936	34309	3432	43677	0	0
Jan-90	8391	29255	3531	41177	0	0
Feb-90	8624	19239	2970	30833	0	0
Mar-90	11841	16257	3366	31464	0	0
Apr-90	12113	15898	3762	31773	3904	3904
May-90	11408	21601	10007	43016	19182	19182
Jun-90	8487	11924	14163	34574	10319	10319
Jul-90	5737	6012	34068	45817	2715	2715
Aug-90	8757	9951	11638	30346	1444	1444
Sep-90	11498	11216	2376	25090	1391	1391
Oct-90	11608	9876	5247	26731	1514	1514
Nov-90	10577	11889	2871	25337	1953	1953
Dec-90	10367	6769	3300	20436	1580	1580
Jan-91	10114	2801	2640	15555	1526	1526
Feb-91	8330	1732	2805	12867	1378	1378
Mar-91	11069	3998	2442	17509	3364	3364
Apr-91	13146	7751	2970	23867	9167	9167
May-91	13658	8278	14091	36027	26115	26115
Jun-91	10140	5562	19034	34736	35621	35621
Jul-91	2792	6792	33128	42712	14705	14705
Aug-91	2188	3464	39852	45504	4622	4622
Sep-91	5359	2137	11006	18502	2384	2384
Oct-91	6814	8930	4785	20529	3335	3335
Nov-91	5311	10877	4323	20511	5340	5340
Dec-91	2760	13857	4752	21369	3594	3594
Jan-92	2738	19325	20295	42358	1892	1892
Feb-92	4818	13472	4045	22335	1257	1257
Mar-92	9745	8826	3541	22112	1286	1286
Apr-92	12992	10058	18536	41586	4325	4325
May-92	11169	6425	20658	38252	21966	21966
Jun-92	8920	4925	28654	42499	25148	25148
Jul-92	6607	3703	37522	47832	8557	8557
Aug-92	3887	1821	37809	43517	3185	3185
Sep-92	6115	7700	11995	25810	1243	1243
Oct-92	5495	14941	3696	24132	1483	1483
Nov-92	6096	7688	2871	16655	1943	1943
Dec-92	5593	19982	2805	28380	1247	1247

Month-Year	Struma and Mesta Basins to MU1	Mesta Basin to VAC	Tundza Basin to SAZ	Total Inflow into Maritza Basin	Belmeken Scheme to Iskar Basin	Total Outflow from Maritza Basin
Jan-93	5450	17320	3102	25872	968	968
Feb-93	4831	20268	2442	27541	646	646
Mar-93	8488	10522	2541	21551	1009	1009
Apr-93	9903	8077	3170	21150	4345	4345
May-93	11594	8273	4084	23951	29207	29207
Jun-93	4936	2942	6489	14367	17965	17965
Jul-93	4255	759	37159	42173	2812	2812
Aug-93	4888	716	26104	31708	1141	1141
Sep-93	6101	7179	5211	18491	622	622
Oct-93	1844	11912	1954	15710	801	801
Nov-93	2552	31578	3003	37133	771	771
Dec-93	7267	11447	2508	21222	956	956
Jan-94	8128	6816	2211	17155	899	899
Feb-94	6484	7395	1749	15628	813	813
Mar-94	10545	5481	2508	18534	1121	1121
Apr-94	12052	6606	3030	21688	6600	6600
May-94	12698	5173	6413	24284	25873	25873
Jun-94	5407	1573	13169	20149	14212	14212
Jul-94	2865	1562	24892	29319	5216	5216
Aug-94	3224	568	16097	19889	2196	2196
Sep-94	5626	3857	4132	13615	622	622
Oct-94	5629	9881	3036	18546	2121	2121
Nov-94	6119	7376	2673	16168	2633	2633
Dec-94	7258	9421	2376	19055	1709	1709
Jan-95	7511	13299	2277	23087	1634	1634
Feb-95	8433	3443	1617	13493	1347	1347
Mar-95	7846	4524	1947	14317	1639	1639
Apr-95	7033	5708	693	13434	3533	3533
May-95	8845	9192	4521	22558	33089	33089
Jun-95	5511	5527	11683	22721	32707	32707
Jul-95	7504	4401	19710	31615	10544	10544
Aug-95	5467	1939	20552	27958	5693	5693
Sep-95	4305	1348	8329	13982	6902	6902
Oct-95	3811	5964	4407	14182	3366	3366
Nov-95	1063	18351	3450	22864	3047	3047
Dec-95	2735	15033	12003	29772	2895	2895
Jan-96	2754	18498	20133	41386	2948	2948
Feb-96	227	12779	22882	35888	1982	1982
Mar-96	648	4552	25542	30742	1492	1492
Apr-96	1554	5121	23823	30497	3170	3170
May-96	1147	20306	21024	42477	43229	43229
Jun-96	0	17646	14775	32421	14340	14340
Jul-96	766	18175	36235	55176	3456	3456
Aug-96	1595	20211	17023	38829	3269	3269
Sep-96	2083	23207	5939	31229	9796	9796
Oct-96	2797	14013	3056	19866	7525	7525
Nov-96	2657	17472	3716	23845	3029	3029
Dec-96	2933	16608	31218	50759	1205	1205

SUMMARY OF ANNUAL TRANSFER VOLUME

(Unit: mil. m3)

Year	Struma and Mesta Basins to MU1	Mesta Basin to VAC	Tundza Basin to SAZ	Total Inflow into Maritza Basin	Belmeken Scheme to Iskar Basin	Total Outflow from Maritza Basin
1987	71.2	79.8	136.5	287.5	99.3	99.3
1988	83.1	156.7	160.5	400.3	80.0	80.0
1989	55.7	242.6	109.7	408.0	52.6	52.6
1990	119.4	169.9	97.3	386.6	44.0	44.0
1991	91.7	76.2	141.8	309.7	111.2	111.2
1992	84.2	118.9	192.4	395.5	73.5	73.5
1993	72.1	131.0	97.8	300.9	61.2	61.2
1994	86.0	65.7	82.3	234.0	64.0	64.0
1995	70.1	88.7	91.2	250.0	106.4	106.4
1996	19.2	188.6	225.4	433.1	95.4	95.4

DATA E.7

INNER-BASIN WATER TRANSFER

DISCHRGE FROM HYDROPOWER STATION FOR INNER-BASIN WATER TRANSFER (FOR IRRIGATION SYSTEMS)

1. Discharge Water Volume of Momina Klissura HPP

(Unit: 1000 m3)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1987	10659	7972	7931	13473	4697	28172	26531	23819	26010	11997	5941	9520	176721
1988	1649	294	3662	12429	16214	15585	34966	27324	6508	9682	12387	9892	150593
1989	4780	20643	7609	10993	15938	13746	15669	17977	11858	13922	18292	22453	173880
1990	5055	1804	1569	4544	16257	13232	20492	5103	0	1641	499	1183	71380
1991	626	0	1004	4266	10759	10783	31283	20420	8590	12491	21135	34539	155896
1992	38182	17570	3686	9569	4848	5507	8645	16484	11025	10382	5347	11340	142585
1993	13342	4076	3419	2945	9933	11727	13409	15628	13411	5638	11682	1692	106902
1994	0	2656	633	14	2551	4849	7982	8156	5843	6324	3861	1649	44518
1995	4601	1154	3433	9114	13192	5153	8609	9797	8739	2379	34192	21120	121483
1996	5290	22466	18399	13971	23589	1617	0	0	0	13396	10249	8779	117756
Aver.	8418	7864	5135	8132	11798	11037	16759	14471	9198	8785	12359	12217	126171

2. Discharge Water Volume of Aleko HPP

(Unit: 1000 m3)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1987	956	1558	2387	6283	15507	28232	40735	41515	24378	8057	4224	2809	176641
1988	671	607	1727	2492	17118	21215	32498	40667	12350	6574	4932	2540	143389
1989	2223	2497	5386	9594	23433	22577	38539	38961	15154	12355	13992	19884	204595
1990	14113	5650	2587	6236	21141	24283	33370	5634	5632	1500	2571	1779	124495
1991	1177	459	1088	2835	8173	12836	18105	20682	7323	8775	11097	15873	108425
1992	13867	7554	2249	2281	9351	8469	20232	25650	11421	7872	4087	9356	122389
1993	11062	11093	2872	1240	10576	24299	40915	30687	13380	5021	17561	3749	172455
1994	2149	2873	2326	1579	9057	20007	28472	22464	6276	2497	3107	2702	103509
1995	3078	1915	4252	7017	6338	13366	18132	19864	9570	7598	14535	11212	116877
1996	9542	10613	9741	5734	9456	23957	37820	34029	21580	6709	0	0	169181
Aver.	5884	4482	3461	4529	13015	19924	30882	28015	12706	6696	7611	6990	144196

3. Discharge Water Volume of Krichim HPP

(Unit: 1000 m3)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1987	10558	13287	19913	35688	65667	27268	32568	31216	28017	25918	21999	43354	355453
1988	13329	6705	24091	78483	51533	50724	45727	43817	20823	31674	42592	29180	438678
1989	23458	12616	15789	24870	48511	22955	44173	57787	43766	50401	44088	63094	451508
1990	40884	23037	18910	23512	41904	31743	43437	20545	9028	7110	8623	6519	275252
1991	20877	31387	36653	42372	64127	38623	23480	26626	16171	33171	37227	57749	428463
1992	36564	11162	5408	23849	38500	34797	28837	34858	24112	23301	11765	29503	302656
1993	40995	29054	9504	19809	32448	27729	29943	27993	15110	12447	50235	5272	300539
1994	3371	13845	9520	19951	19617	24251	29356	27994	13071	18551	12706	9678	201911
1995	14868	3500	9251	44666	44419	34808	35243	30456	15104	15036	44057	28936	320344
1996	34283	41065	49330	52524	71166	27698	32049	29160	20707	23359	28813	29566	439720
Aver.	23919	18566	19837	36572	47789	32060	34481	33045	20591	24097	30211	30285	351452

4. Discharge Water Volume of Stara Zagora HPP

(Unit: 1000m3)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1987	2495	2445	2521	2680	2152	15187	39006	28373	5448	4092	3689	3722	111811
1988	3409	3079	3399	3069	12553	14381	40788	34927	8748	4554	3343	3567	135818
1989	3614	3287	3676	3264	10626	9438	25443	15444	5511	2211	3168	3432	89113
1990	3531	2970	3366	3762	9834	11880	25608	10758	2376	5247	2871	3300	85503
1991	2640	2805	2442	2970	14091	18018	26862	30030	8547	4785	4323	4752	122265
1992	20295	3960	3498	18513	20658	27555	29304	26895	8844	3696	2871	2805	168894
1993	3102	2442	2541	2508	3729	4983	23991	14256	4587	1716	3003	2508	69366
1994	2211	1749	2508	2442	5247	6567	14256	8349	3927	3036	2673	2376	55341
1995	2277	1617	1947	693	4521	7095	10032	11286	6475	4092	3439	11827	65300
1996	20133	22882	25542	23823	20882	8722	19909	10448	5577	3056	3716	31218	195908
Aver.	6371	4724	5144	6372	10429	12383	25520	19077	6004	3648	3310	6951	109932

SUMMARY OD ANNUAL OUTFLOW VOLUME FROM HPP

(Unit: mil. m3)

Year	Momina Klissura HPP	Aleko HPP	Momina + Aleko HPPs	Krichim HPP	Stara Zagora HPP	Total
1987	176.7	176.6	353.4	355.5	111.8	820.6
1988	150.6	143.4	294.0	438.7	135.8	868.5
1989	173.9	204.6	378.5	451.5	89.1	919.1
1990	71.4	124.5	195.9	275.3	85.5	556.6
1991	155.9	108.4	264.3	428.5	122.3	815.0
1992	142.6	122.4	265.0	302.7	168.9	736.5
1993	106.9	172.5	279.4	300.5	69.4	649.3
1994	44.5	103.5	148.0	201.9	55.3	405.3
1995	121.5	116.9	238.4	320.3	65.3	624.0
1996	117.8	169.2	286.9	439.7	195.9	922.6

DATA E.8

PONDS IN THE MARITZA RIVER BASIN

PONDS IN THE MARITZA RIVER BASIN

Mark	& No.	Name of Reservoir/Pond	Location	Purpose of Water Use	Dam			Reservoir Volume		Irr. Area			Flood Area	Catchment Area	Year	Remark
					Hight	Length	Volume	Total	Dead	Total	Grav.	Pump.				
					m	m	m^3x10^3	m^3x10^3	m^3x10^3	da.	da.	da.	da.	km^2		
			MAIN STREAM OF MARITZA													
●	1	Vlashka Reka	Vlashka river - village of Maritza	Irrigation	19	128	98	962	120	1500	1500	-	120	16.2	1962	
○	2	Kostenetz - 1	Gyoldere - town of Kostenetz	Irrigation	12	75	22	122	12	760	760	-	29	1.6	1959	
○	3	Kostenetz - 2	Gyoldere - town of Kostenetz	Irrigation	19.6	112	11	57	-	240	240	-	19	1.6	1961	
●	4	Levitza	Levitza river - village of Ochusha	Irrigation	19	466	34	1031	100	2820	1320	1500	135	18.2	1960	
●	5	Belmeken	Krava river - elevation 1900 m	Hydropower	98	725	3328	145000		600000					1975	3 water supply derivations - totally length over 90 km, 3 HPPs - totally hydropower 756 MW
●	6	Stankovi Baraki	Krava river - elevation 1200 m	Compensating Basin, Hydropower	40		155	430							1974	Lower compensating basin of reversable HPP Belmeken - 2 generators hydropower - totally 376 MW
○	7	Menenkyovo	gully - village of Menenkyovo	Irrigation	15	153	26	145	2	365	365	-	15	3	1961	
○	8	Vetren - 3	gully - village of Vetren	Irrigation	17	270	80	240	20	1000	1000	-	30	2.2	1964	
●	9	Vetren - 2	gully - village of Vetren	Irrigation	17.5	200	35	180	7	600	600	-	16	2.5	1961	
●	10	Vinogradetz	gully - village of Vinogradetz	Irrigation	10.3			263	10	734			95		1963	
●	11	Karabunar	gully - village of Karabunar	Irrigation	13.5	210	29	1358	167	4000	4000	-	300	21.8	1958	
●	12	Chaira	Chairska river - holiday village "Chaira"	Compensating Basin, Hydropower	89	288	376	453		None					1989/95	Lower compensating basin, 2 generators for totally: hydropower - 432 MW, pumping power - 377 MW
●	13	Compensating Basin HPP Sestrimo	hill - village of Sestrimo	Compensating Basin, Hydropower											1974	Lower compensating basin of HPP Sestrimo - hydropower 240 MW
●	14	Compensating Basin HPP Momina Klisura	Maritza river - village of Momina Klisura	Compensating Basin, Hydropower											1974	Lower compensating basin of HPP Momina Klisura - hydropower 120 MW
			CHEPINSKA REKA													
●	15	Batak	Matnitza river - town of Batak	Hydropower, Irrigation, Fish-breeding	35	273	440	315000	10000	185.2			22000	463.9	1959	
●	16	Matnitza	Matnitza river - town of Velingrad	Irrigation	22.1			1104	74				1684		1974	
			TOPOLNITZA													
●	17	Doushantzi	Topolnitza river - village of Doushantzi	Industrial Water Supply	43	200		11600	4000	None					1972	Industrial water supply for copper smelter and refinery MEDET (former GEORGI DAMYANOV)
○	18	Yug Tepe	Tzarkvishtenska river - town of Zhitnza	Irrigation	12	199	74	260	10	750	750	-	34	10	1960	
●	19	Kirchov izvor	Tzarkvishtenska river - village of Chelopech	Irrigation	10	152	28	103	3	300	300	-	26	10	1959	
○	20	Zaren	spring - village of Chelopech	Irrigation	6.5	148	15	41	4	140	140	-	14	1	1959	
●	21	Studen Kladenetz	gully - village of Karlievo	Irrigation	4.5	104	2	10	-	144	144	-	4	2	1958	
●	22	Bashtepe	Tzarkvishtenska river - village of Karlievo	Irrigation	15	87	27	462	-	1880	-	1880	164	12	1959	
●	23	Kachulitza	gully called Bordel - village of Chelopech	Irrigation	20.4	366	155	841	35	4400	1900	2500	155	15	1963	
●	24	Yalashdere	Yalashdere river - village of Mirkovo	Irrigation	4.5	120	3	15	-	150	150	-	5	2	1962	
●	25	Smolsko	Voinyashka river - village of Smolsko	Irrigation	17	102	32	280	60	1000	1000	-	26	7	1966	
○	26	Topolnitza	Topolnitza river - village of Mubovo	Irrigation, Hydropower	78		350	137000		360000					1963	Irrigation and hydropower - under-dam HPP Topolnitza - 8.1 MW
●	27	Djyurdjin Dol	gully - village of Verinsko	Irrigation	12	320	30	366	26	300	300	-	74	2.7	1965	
○	28	Backardere	Backardere river - village of Verinsko	Irrigation	23			11100	980	24300			1525		1967	
●	29	Borika	Dermendere river - village of Borika	Irrigation	14			617	21	1400			170		1967	
●	30	Suhiya Del	gully - town of Ihtiman	Irrigation	11	150	30	120	7	430	430	-	35	2.2	1960	
		Zhivkovo	gully called Mechur - village of Zhivkovo		6.9	105	5	83	1	300	300	-	27	1.9	1960	Clogged
		Kochievo	gully - town of Ihtiman		8	54	15	110	-	700	700	-	18	4.2	1960	Demolished
○	31	Djackov	gully - town of Ihtiman	Irrigation	13.2	323	41	410	10	1710	1710	-	158	4.2	1961	
		Begunchitza - 1	gully - town of Ihtiman		12	80	10	80	1	400	400	-	13	1.5	1959	Demolished
●	32	Begunchitza - 2	gully - town of Ihtiman	Irrigation	11	120	17	65	-	300	300	-	11	2.2	1960	
●	33	Chernyovo - 2	gully called Yurtitza - village of Chernyovo	Irrigation	10	140	8	21	-	200	200	-	4	4.2	1965	
●	34	Chernyovo - 1	gully called Chemo - village of Chernyovo	Irrigation	9	130	6	19	1	200	200	-	7	3.2	1963	
●	35	Hadjysko dere	gully - town of Ihtiman	Irrigation	9.5	62	9	25	2	200	200	-	84	1.1	1959	
●	36	Slavovitza - 1	gully - village of Slavovitza	Irrigation	16	100	32	151	24	600	-	600	37	4.3	1961	
○	37	Slavovaza - 2	gully - village of Slavovitza	Irrigation	19	104	52	394	10	1600	-	1600	60	8.4	1966	
○	38	Tzerovo	gully - village of Tzerovo	Irrigation	22	150	70	421	38	1260	1260	-	86	9.5	1961	
●	39	Lessichovo - 3	gully - village of Lessichovo	Irrigation	15.5	78	27	113	11	540	540	-	26	16.1	1959	
●	40	Lessichovo - 2	gully - village of Lessichovo	Irrigation	11	100	12	45	2	200	200	-	10	2.1	1961	
●	41	Bornechkovo	gully - village of Bornechkovo	Irrigation	16	76	78	160	16	750	750	-	25	4.7	1961	
●	42	Lessichovo - 1	gully - village of Lessichovo	Irrigation	11	95	11	43	1	110	110	-	10	2.1	1958	

PONDS IN THE MARITZA RIVER BASIN

Mark	& No.	Name of Reservoir/Pond	Location	Purpose of Water Use	Dam			Reservoir Volume		Irr. Area			Flood	Catchment	Year	Remark
					Hight	Length	Volume	Total	Dead	Total	Grav.	Pump.	Area	Area		
					m	m	m^3x10^3	m^3x10^3	m^3x10^3	da.	da.	da.	da.	km^2		
●	43	Lessichovo - 5	gully - village of Lessichovo	Irrigation	15.6	81	35	295	28	1200	1200	-	37	6.3	1961	
●	44	Medet	Topolnitza river - village of Dourhantzi	Industrial Water Supply	52			48000	30000	None			600		1966	Industrial water supply
●	45	Lomashko Dere	gully called Lomashko Dere - site "Panagyurski Kolonii"	Industrial Water Supply	27	157	134	600	327	None			5		1964	Water accumulation and industrial water supply for copper smelter and refinery MEDET
●	46	Best Lessichovo	Topolnitza river - village of Lessichovo	Compensating Basin, Water Transfer & Irrigation												Compensating basin between Main Irrigation Kanals M.Klissura-Lessichevo and Lessichevo-Siryanna
	7	Kamena Mogila	?	Irrigation	20	276	169	306	31	1000			50	3	1966	
			LUDA YANA													
○	47	Panagyurishte - 1	Luda Yana river - town of Panagyurishte	Irrigation	17	115	62	120	10	1300	1300	-	24	3.8	1960	
●	48	Banya	Luda Yana river - village of Banya	Irrigation	11	125	23	120	10	500	500	-	20	1.1	1958	
		Panagyurishte - 2	Luda Yana river - town of Panagyurishte		13	110	17	54	1	115	115	-	11	2	1961	Demolished
●	49	Oborishte	Luda Yana river - village of Oborishte	Irrigation	17	75	4	120	8	1000	300	700	23	8.7	1967	
○	50	Oborishte - 1	gully - village of Oborishte		6.5	120	4	40	-	100	100	-	7	0.3	1957	
○	51	Oborishte - 2	gully - village of Oborishte		6.5	180	5	30	-	100	100	-	5	0.4	1957	
●	52	Banya - 3	Luda Yana river - village of Banya	Irrigation	10	90	12	65	2	160	160	-	12	1.6	1960	
●	53	Banya - 2	Luda Yana river - village of Banya	Irrigation	14	120	13	72	2	200	200	-	14	1.3	1959	
●	54	Batu - 1	Luda Yana river - village of Batu	Irrigation	13.7	130	22	95	2	200	200	-	23	3.6	1960	
●	55	Batu - 2	Luda Yana river - village of Batu	Irrigation	21	140	102	570	5	2000	-	2000	12	12.3	1966	
●	56	Popintzi - 2	Luda Yana river - village of Popintzi	Irrigation	12	75	9	38	3	185	185	-	10	0.4	1958	
●	58	Popintzi - 3	Streltchanska Luda Yana river - village of Popintzi	Irrigation	17	138	42	224	14	1650	-	1650	42	2.2	1965	
●	59	Popintzi - 1	gully - village of Popintzi	Irrigation	12	66	7	30	-	150	150	-	8	1.5	1957	
●	60	Tzar Asen - 1	Luda Yana river - village of Tzar Asen	Irrigation	12	165	15	120	6	400	400	-	20	8.4	1954	
●	61	Dolno Levski - 1	gully - village of Dolno Levski	Irrigation	9	85	7	43	13	200	200	-	14	1.8	1957	
○	62	Sbor	gully - village of Sbor	Irrigation	7.5	640	23	116	1	350	350	-	40	0.2	1959	
○	63	Tzar Asen - 2	gully - village of Tzar Asen	Irrigation	14	130	47	352	2	1000	1000	-	84	1.4	1961	
●	64	Rossen - 1	gully - village of Rossen	Irrigation	12.5	200	21	321	-	500	500	-	51	9.6	1961	
●	65	Rossen - 2	gully - village of Rossen	Irrigation	9.5	95	11	11	1	500	500	-	5	2.5	1959	
○	66	Dolno Levski - 2	gully - village of Dolno Levski	Irrigation	13.3	250	16	92	2	455	455	-	29	4	1961	
○	67	Sbor - 1	gully - village of Sbor	Irrigation	16.5	111	15	118	28	2000	2000	-	27	8.5	1958	
○	68	Sbor - 2	gully - village of Sbor	Irrigation	20	480	59	588	3	-	-	-	32	8.2	1960	
○	69	Sbor - 3	gully - village of Sbor	Irrigation	19	155	45	425	25	1082	1082	-	96	9.4	1966	
○	70	Apritzi - 1	gully - village of Apritzi	Irrigation	8	170	10	81	1	200	200	-	32	9.9	1954	
●	71	Streltcha - 2	Streltchanska Luda Yana river - town of Streltcha	Irrigation	15	240	42	240	22	1200	1200	-	39	3	1961	
●	72	Contact Reservoir Assarel CSR	Luda Yana river - Assarel Copper Smelter Refinery	Compensating Basin, Industrial Water Supply	35		143	370		None					1989	Compensating Basin, industrial water supply for ASSAREL CSR - inc. 3 pump stations for totally 4 m3/s.
○	73	Luda Yana	Luda Yana river - town of Panagyurishte	Public Water Supply, Irrigation	43.5	456	610	20000		62000						Under construction - Public water supply, Irrigation and sport
			PISHMAN DERE AND GULLIES													
○	74	Rozovo	Ravnogorska river - village of Rozovo	Irrigation	8	82	7	86	6	500	500	-	30	4.8	1963	
●	75	Vrka	gully - village of Rozovo	Irrigation	3	90	3	25	5	300	-	300	30	0.2	1962	
○	76	Cachevo Blato	gully - town of Bratzigovo	Irrigation	10.4	230	35	864	43	2700	2700	-	180	2	1962	
○	77	Borovo Blato	gully - town of Bratzigovo	Irrigation	10.5	200	25	422	22	1600	1165	435	80	0.7	1961	
●	78	Byaga	gully - village of Byaga	Irrigation	13	130	16	120	-	250	250	-	23	2.8	1963	
○	79	Kapitan Dimitrievo	gully - village of Kapitan Dimitrevo	Irrigation	20	140	71	560	5	900	900	-	50	12.5	1962	
●	114	Compensating Basins HPP Alelko	Teki - village of Alelko Konstantinovo	Compensating Basin, Irrigation				440							1959	Lower compensating basin of HPP Alelko - 63 MW, storage and transfer of water for irrigation needs
			VACHA													
●	80	Vassil Kolarov	Devnenska river	Hydropower, Irrigation	46.5	216	150	70300	6300				4270		1957	Water of reservoir passes via 3 HPPs - totally 226 MW, then is used for irrigation.
●	81	Beglika	Beglishka river	Compensating Basin, Water Transfer	18.3		7	1400	200				327	24.74	1958	Compensating basin and pumping transfer of water - 1 pump for 0.9 m3/s.
●	82	Toshkov Chark	Beglishka river	Compensating Basin, Water Transfer	21.6	82	19	1800	200				285	25.55	1958	Compensating basin and pumping transfer of water - pump station for totally 1.4 m3/s.
●	83	Djenevra	Karrandjidere river	Compensating Basin, Water Transfer	6.4			90							1965	Transfer of water to Shiroka Polyana - pump station for 0.35 m3/s.
●	84	Kastarki	gully - village of Borino	Irrigation				210							1976	

PONDS IN THE MARITZA RIVER BASIN

Mark	& No.	Name of Reservoir/Pond	Location	Purpose of Water Use	Dam			Reservoir Volume		Irr. Area			Flood	Catchment	Year	Remark
					Hight	Length	Volume	Total	Dead	Total	Grav.	Pump.	Area	Area		
					m	m	m^3x10^3	m^3x10^3	m^3x10^3	da.	da.	da.	da.	km^2		
		Chaira - 1	gully - town of Devin		4.5	70	5	80	-	300	300	-	38	0.3	1960	Dry - filtration through the dam
		Chaira - 2	gully - town of Devin		4.5	76	4	120	14	140	140	-	19	0.4	1960	Dry - filtration through the dam
●	85	Avaldzhe	gully - village of Stomaocvo	Irrigation	10			140	1	525			28		1961	
●	86	Antonivanovtzi	Vacha river	Complex	144	420	1025	226000							1975	Complex use, under-dam reversable HPP Antonivanovtzi - 4 generators, 40 MW capacity each
●	87	Krichim	Vacha river	Hydropower, Irrigation	104.5	269	373	20300							1972	Lower compensating basin of reversable HPP Antonivanovtzi - 160 MW, and 3 HPPs - 101 MW totally
●	88	Perushtitza	gully - town of Perushtitza	Compensating Basin, Hydropower	22	167	83	205	5	1235	-	1235	29	4.4	1964	
●	89	Compensating Basin HPP Krichim	field - village of Ustina	Compensating Basin, Irrigation				890							1987	Lower compensating basin of HPP Krichim - 60 MW, and transfer of water for irrigation needs
●	# A	Shiroka Polyana**	Karadja Dere river	Compensating Basin, Hydropower	21			23600	3000				4300		1962	Storage and transfer of water for hydropower needs
●	# B	Batoto**	Karadja Dere river	Compensating Basin, Water Transfer	9.2	60									1962	Storage and transfer of water to Shiroka Polyana
●	# C	Kireeva Reka**	Kireeva Reka river	Compensating Basin, Water Transfer	17.8	71		121.5							1962	Storage and transfer of water for hydropower needs, pump station - 1,4 MW, and water quantity 2.8 m3/s
●	90	Compensating Basin HPP Vacha II	Vacha river	Compensating Basin,Hydropower											1972	Lower compensating basin of HPP Vacha II - 7 MW
			POTOKA													
●	91	Dyulevo - 1	gully - village of Dyulevo	Irrigation	12	170	15	100	7	1200	1200	-	10	0.3	1958	
●	92	Dyulevo - 2	gully - village of Dyulevo	Irrigation	10	100	18	120	11	1500	-	1500	14	0.4	1959	
●	93	Smiletz - 3	gully - village of Smiletz	Irrigation	19	210	43	674	8	3100	100	3000	105	8.5	1966	
○	94	Smiletz - 1	gully - village of Smiletz	Irrigation	7.5	71	3	27	2	220	220	-	11	3	1948	
○	95	Smiletz - 2	gully - village of Smiletz	Irrigation	10	200	8	150	20	250	250	-	24	4.5	1961	
●	96	Tzar Asen - 3	gully - village of Tzar Asen	Irrigation	19.5	390	42	289	29	1000	700	300	37	1.7	1967	
●	97	Ovchepoltzi - 1	gully - village of Ovchepoltzi	Irrigation	8			34	3	100			12		1960	
○	98	Ovchepoltzi - 2	gully - village of Ovchepoltzi	Irrigation	28	360	129	1696	110	4080	4080	-	318	27	1961	
○	99	Blatnitza - 1	gully - village of Blatnitza	Irrigation	14.5			320	17	900			60		1960	
○	100	Blatnitza - 2	gully - village of Blatnitza	Irrigation	9.5	320	12	60	-	135	135	-	20	3.8	1959	
●	101	Blatnitza - 3	gully - village of Blatnitza	Irrigation	10.9	210	19	132	27	2000	-	2000	29	3.3	1973	
○	102	Topoli Dol	gully - village of Topoli Dol	Irrigation	14	360	45	468	5	1320	1320	-	84	9.2	1961	
●	103	Ovchepoltzi - 3	gully - village of Ovchepoltzi	Irrigation	8	438	32	114	2	300	300	-	36	0.2	1959	
●	104	Dragomir - 4	gully - village of Dragomir	Irrigation	18	210	37	280	95	700	700	-	53	4.5	1966	
○	105	Dragomir - 2	gully - village of Dragomir	Irrigation	17	230	25	600	150	1900	1900	-	50	5	1959	
○	106	Dragomir - 1	gully - village of Dragomir	Irrigation	8	245	28	175	26	1200	1200	-	40	5.9	1954	
○	107	Nayden Gerovo	gully - village of Nayden Gerovo	Irrigation	14.7	468	59	420	75	1000	1000	-	104	1.8	1958	
●	108	Tochilartzi	gully - village of Tochilartzi	Irrigation	9.5	787	44	400	120	1200	1200	-	300	1.5	1959	
●	109	Golyamo Konare - 2	gully - town of Saedinenie	Irrigation	7	480	6	560	140	1500	1500	-	247	0.5	1960	
●	110	Golyamo Konare - 1	gully - town of Saedinenie	Irrigation	8	360	43	950	95	2044	2044	-	386	1	1956	
		Pravishte - 1	gully - village of Pravishte		14	220	5	25	-	70	70	-	7	0.9	1953	Demolished
●	111	Pravishte	gully - village of Pravishte	Irrigation	11.6	422	34	836	53	485	-	485	257	3.5	1956	
●	112	Nayden Gerovo - 3	gully - village of Nayden Gerovo	Irrigation	4	60	1	3	-	30	30	-	1	0.5	1959	
●	113	Nayden Gerovo - 4	gully - village of Nayden Gerovo	Irrigation	4	72	1	5	-	20	20	-	2	0.5	1959	
	??	Duvantzi	?	Irrigation	11.5	350	55	800	50	6332	6332	-	275	6	1957	
			PARVENETZKA REKA													
○	115	Markovo - 2	gully - village of Markovo	Irrigation	24	160	87	350	5	1500	1500	-	30	1.2	1969	
●	116	Markovo - 1	gully - village of Markovo	Irrigation	17	137	34	90	2	500	500	-	12	1	1966	
●	117	Belashtitza	gully - village of Belashtitza	Irrigation	30	86	17	100	10	449	449	-	18	2	1953	
●	118	Ruen	gully - village of Ruen	Irrigation	6	209	21	69	10	300	300	-	21	1	1966	
			PYASSACHNIK													
●	57	Strelcha - 1	Kamyashtitza river - town of Strelcha	Irrigation	16	360	115	939	30	1520	1020	500	169	19.9	1961	
○	119	Krastevich - 3	gully - village of Krastevich	Irrigation	18	220	85	400	35	500	500	-	42	9.7	1966	
●	120	Krastevich - 2	gully called Kartofiere - village of Krastevich	Irrigation	20.5	277	75	400	30	1000	1000	-	60	7	1965	
●	121	Krastevich - 1	gully called Kerezlucka - village of Krastevich	Irrigation	8	210	10	112	35	417	417	-	37	2.2	1956	
○	122	Krasnovo - 8	gully called Kozlovo - village of Krasnovo	Irrigation	14.2	280	31	180	20	200	200	-	45	4.5	1966	

PONDS IN THE MARITZA RIVER BASIN

Mark	& No.	Name of Reservoir/Pond	Location	Purpose of Water Use	Dam			Reservoir Volume		Irr. Area			Flood Area	Catchment Area	Year	Remark
					Hight	Length	Volume	Total	Dead	Total	Grav.	Pump.				
					m	m	m^3x10^3	m^3x10^3	m^3x10^3	da.	da.	da.	da.	km^2		
○	123	Krasnovo - 7	gully called Kozlovo - village of Krasnovo	Irrigation	14	210	37	250	20	500	500	-	40	4.5	1964	
●	124	Krasnovo - 3	gully called Gorsko dere - village of Krasnovo	Irrigation	8	128	8	125	20	350	350	-	20	0.8	1956	
●	125	Krasnovo - 6	gully called Radkov Dol - village of Krasnovo	Irrigation	4	140	5	30	5	53	53	-	23	2.1	1961	
○	126	Manov Dol	gully called Chamkovo - village of Starosel	Irrigation	28	217	220	1000	11	4265	4265	-	112	5.8	1966	
●	127	Krasnovo - 2	gully - village of Krasnovo	Irrigation	4.5	187	3	20	4	50	50	-	13	0.2	1956	
●	128	Krasnovo - 4	gully - village of Krasnovo	Irrigation	3.5	80	2	11	2	30	30	-	5	1.3	1956	
●	129	Krasnovo - 1	gully - village of Krasnovo	Irrigation	10	205	19	117	10	400	400	-	45	1.8	1956	
●	130	Krasnovo - 5	gully - village of Krasnovo	Irrigation	5	120	7	100	2	255	255	-	15	1.3	1959	
○	131	Belovitza - 1	gully - village of Belovitza	Irrigation	11	500	65	750	120	1950	950	1000	150	6.2	1957	
○	132	Krushevo	gully - village of Krushevo	Irrigation	19	223	75	990	10	2300	2300	-	142	21.7	1960	
○	133	Rakovitza	gully - village of Starosel	Irrigation	27	220	153	1000	130	3000	3000	-	75	19.5	1970	
●	134	Starosel - 1	gully - village of Starosel	Irrigation	8	128	10	200	10	800	800	-	65	1.6	1953	
●	135	Starosel - 3	gully - village of Starosel	Irrigation	13	970	160	2000	100	4000	4000	-	250	10	1965	
●	136	Eleshnitza	gully - village of Panicheri	Irrigation	15	520	160	2500	170	14590	-	14590	1450	0.5	1958	
●	137	Belovitza - 2	gully - village of Belovitza	Irrigation	13	288	34	415	21	1000	500	500	130	8.3	1959	
○	138	Pyassachnik***	Pyassachnik river - village of Lyuben	Irrigation				211400	3400						1959	Storage and transfer of water for irrigation needs
●	139	Pyassachnik	Pyassachnik river - village of Lyuben	Compensating Basin, Water Transfer & Irrigation				1986							1960	Compensating basin of Main Irrigation Kanal Lesichevo-Stryama and transfer of water for irrigation
○	140	Lyuben	gully - village of Lyuben	Irrigation	11	500	68	1000	165	2332	2332	-	359	6.8	1964	
●	141	Starosel - 2	Pyassachnik river - village of Starosel	Irrigation	5	180	6	40	6	250	250	-	18	1.8	1955	
○	142	Barata	Pyassachnik river - village of Tzeretelevo	Irrigation	10	410	34	1600	100	2200	2200	-	517	10	1955	
			CHEPELARSKA REKA													
○	143	Breza	gully - village of Oryahovo	Irrigation	9	160	20	60	-	1200	1200	-	24	0.5	1960	
●	144	Vapi	Sekita river - village of Hvoyna	Irrigation	12	80	22	140	-	1200	1200	-	32	0.5	1960	
●	145	Imaret	gully - site of Haydoushki Polyani	Irrigation				76							1961	
●	146	Dolni Voden	gully - village of Dolni Voden	Irrigation	9	220	19	254	8	600	600	-	38	19	1957	
●	147	Gorni Voden	gully - village of Gorni Voden	Irrigation	18	218	22	210	61	675	675	-	24	4.1	1957	
●	148	Lakti	Chepelarska river - town of Lakti	Irrigation	45			5500							1967	
●	231	Momirsko	gully - village of Momirsko	Irrigation	5	1400	15	800	130	5388	5388	-	250	0.5	1964	
●	232	Kochevo	gully - village of Kochevo	Irrigation	9	352	18	549	45	1700	1100	600	314	8	1956	
●	233	Cheshigerovo	gully - village of Cheshigerovo	Irrigation				740							1975	
●	279	Compensating Basin HPP Assenitza I	Chepelarska river - town of Assenovgrad	Compensating Basin											1951	Lower compensating basin of HPP Assenitza I - 6.89 MW
			STRYAMA													
●	149	Pevtzite - 1	gully - village of Moskovetz	Irrigation	3	150	3	35	10	100	100	-	4	0.6	1959	
●	150	Pevtzite - 2	gully - village of Pevtzite	Irrigation	3	80	2	25	8	62	62	-	4	0.6	1959	
●	151	Pevtzite - 6	gully - village of Pevtzite	Irrigation	6	96	9	50	10	100	100	-	23	1.5	1959	
●	152	Moskovetz - 3	gully - village of Moskovetz	Irrigation	7.8	150	10	42	-	100	100	-	19	0.5	1964	
●	153	Bogdan - 4	gully - village of Bogdan	Irrigation	19	300	57	238	50	600	600	-	25	1.3	1959	
●	154	Bogdan - 2	gully - village of Bogdan	Irrigation	4	290	6	100	20	250	250	-	15	1	1959	
●	155	Sopot - 1	gully - town of Sopot	Irrigation	11	97	15	50	10	150	150	-	10	1	1958	
●	156	Anevo - 1	gully - village of Anevo	Irrigation	10			30	10	800			9		1967	
●	157	Anevo - 2	gully - village of Anevo	Irrigation	10	220	14	30	10	108	108	-	9	1.5	1966	
○	158	Klimentinski	gully - village of Klimentinski	Irrigation	34.55			3300	330	10000			305		1971	
		Kliment - 1	gully - village of Kliment	Irrigation	16	169	93	370	75	2300	2300	-	65	1.5	1958	Absorbed by Klimentinski Dam Lake
○	252	Kliment - 2	gully - village of Kliment	Irrigation	18	232	162	700	130	2000	2000	-	120	8	1960	
●	159	Sushitza - 5	gully - village of Sushitza	Irrigation	21	210	62	250	40	600	600	-	22	2.1	1967	
●	160	Sushitza - 2	gully - village of Sushitza	Irrigation	4	310	3	15	2	200	200	-	10	0.6	1959	
●	161	Sushitza - 3	gully - village of Sushitza	Irrigation	4	420	7	35	6	300	300	-	13	0.6	1959	
○	162	Murad	gully - town of Sopot	Irrigation	18	469	82	350	35	500	500	-	49	12	1965	
●	163	Karlovo	gully called Solluvrach - town of Karlovo	Irrigation	8	94	12	35	8	280	280	-	16	0.5	1963	
●	164	Sushitza - 1	gully - village of Sushitza	Irrigation	7	53	7	40	4	150	150	-	27	0.6	1959	
●	165	Sokolitza - 1	gully - village of Sokolitza	Irrigation	4	535	34	530	110	1493	493	1000	310	1	1959	
●	166	Sokolitza - 2	gully - village of Sokolitza	Irrigation	4	1017	7	510	120	1330	600	730	320	3.5	1959	
●	167	Sokolitza - 3	gully - village of Sokolitza	Irrigation	5	115	7	50	2	500	500	-	140	1.5	1959	
●	168	Vassil Levski - 1	gully - village of Vassil Levski	Irrigation	7	680	43	370	80	1000	1000	-	75	1.5	1958	
●	169	Vassil Levski - 2	gully - village of Vassil Levski	Irrigation	10	500	64	600	85	1500	1500	-	81	1.2	1966	

PONDS IN THE MARITZA RIVER BASIN

Mark	& No.	Name of Reservoir/Pond	Location	Purpose of Water Use	Dam			Reservoir Volume		Irr. Area			Flood	Catchment	Year	Remark
					Hight	Length	Volume	Total	Dead	Total	Grav.	Pump.	Area	Area		
					m	m	$m^3 \times 10^3$	$m^3 \times 10^3$	$m^3 \times 10^3$	da.	da.	da.	da.	km^2		
○	170	Gorni Domlyan	gully called Chavchadere - village of Gorni Domlyan	Irrigation	7.5	320	64	497	65	1250	1250	-	89	8	1964	
●	171	Svezhen	gully - village of Svezhen	Irrigation	10	320	12	145	35	200	200	-	35	2.9	1960	
○	172	Domlyan	gully - village of Domlyan	Irrigation	41			26000	1270	112000			1600		1964	
●	173	Mihaltzi	gully - village of Mihaltzi	Irrigation	10	100	6	45	10	50	50	-	11	0.9	1958	
●	174	Hissar - 1	gully - town of Hissarya	Irrigation	15.5	643	117	1007	80	3747	3747	-	220	19.7	1960	
○	175	Hissar - 6	gully - village of Verrigovo	Irrigation	13	240	34	223	20	600	600	-	56	6.3	1958	
●	176	Hissar - 3	gully - village of Miromir	Irrigation	9	-	-	280	35	729			70		1958	
●	177	Stayata Reka	gully - town of Hissarya	Irrigation	12	240	165	2330	12	7000	7000	-	611	19.6	1969	
●	178	Chernichevo	gully - village of Chernichevo	Irrigation	7	210	6	86	15	500	500	-	34	5.3	1955	
●	179	Mazantza	gully - village of Dolha Mahala	Irrigation	10	165	63	335	60	1250	1250	-	67	13.8	1970	
●	180	Gorna Mahala - 1	gully - village of Gorna mahala	Irrigation	10	430	63	339	72	1250	1250	-	67	2.5	1964	
○	181	Begovo - 2	gully - village of Begovo	Irrigation	12	350	61	480	15	1100	1100	-	126	3.5	1959	
●	182	Matenitza - 1	gully - village of Matenitza	Irrigation	15	70	12	119	18	500	500	-	90	2.4	1959	
○	183	Matenitza - 2	gully - village of Matenitza	Irrigation	17	420	150	2160	50	5800	1900	3900	160	0.8	1959	
●	184	Panichere - 5	gully - village of Panichere	Irrigation	7	180	33	330	32	1000	1000	-	45	6.6	1966	
●	185	Panichere - 4	gully - village of Panichere	Irrigation	14	395	59	460	22	4200	4200	-	100	4	1960	
●	186	Panichere - 2	gully - village of Panichere	Irrigation	10.5	1070	59	550	50	1460	1460	-	149	0.5	1959	
○	187	Novo Zhelezare	gully - village of Novo Zhelezare	Irrigation	32.5	479	79	3244	180	11958	6931	5027	789	1.2	1956	
●	188	Staro Zhelezare - 3	gully - village of Staro Zhelezare	Irrigation	5	340	20	120	21	2000	2000	-	280	14.3	1959	
●	189	Staro Zhelezare - 4	gully - village of Staro Zhelezare	Irrigation	15	350	35	350	10	1500	1500	-	78	7	1965	
●	190	Staro Zhelezare - 2	gully - village of Staro Zhelezare	Irrigation	12.5	380	28	360	125	1200	1200	-	80	7.5	1957	
●	191	Staro Zhelezare - 1	gully - village of Staro Zhelezare	Irrigation	11	320	34	400	30	2300	2300	-	80	2	1956	
●	192	Duvanly	gully - village of Duvanly	Irrigation				800	50				275		1968	
●	193	Chernozem	gully - village of Chernozem	Irrigation	15	380	101	3208	250	5525	5525	-	710	1.5	1968	
○	194	Tzarinar	gully - village of Tzarinar	Irrigation	9	800	51	1960	110	2228	2228	-	692	12	1956	
●	195	Kaloyanovo	gully - village of Kaloyanovo	Irrigation	3	1200	14	500	-	500	500	-	550	1.2	1955	
○	196	Paisievo - 4	gully - village of Otetz Paisievo	Irrigation	14	170	22	204	35	450	450	-	58	7.4	1960	
●	197	Paisievo - 6	gully - village of Otetz Paisievo	Irrigation	12	220	42	250	20	498	498	-	50	2.1	1965	
●	198	Paisievo - 5	gully - village of Otetz Paisievo	Irrigation	9	300	19	115	12	350	350	-	35	2.5	1962	
●	199	Paisievo - 1	gully - village of Otetz Paisievo	Irrigation	9	160	18	87	22	200	200	-	35	2.5	1955	
●	200	Paisievo - 7	gully - village of Otetz Paisievo	Irrigation	12	220	42	250	40	498	498	-	50	2	1969	
○	201	Paisievo - 3	gully - village of Otetz Paisievo	Irrigation	14.5	190	33	140	10	400	400	-	34	3.4	1964	
●	202	Suhozem	gully - village of Suhozem	Irrigation	6.3	410	19	246	20	453	453	-	143	0.1	1958	
●	203	Suhozem - 1	gully - village of Suhozem	Irrigation	10	710	41	600	100	1150	1150	-	235	12	1957	
●	204	Strelzi - 12	gully - village of Strelzi	Irrigation	12	273	37	330	95	1000	1000	-	68	6.5	1967	
●	205	Padarsko - 1	gully - village of Padarsko	Irrigation	7	350	16	250	55	900	900	-	117	1.5	1957	
●	206	Samegor - 6	gully - village of Samegor	Irrigation	17.5	360	60	342	95	1290	1290	-	68	8	1965	
●	207	Samegor - 1	gully - village of Samegor	Irrigation	7	106	5	74	20	400	400	-	21	1.5	1954	
●	208	Samegor - 2	gully - village of Samegor	Irrigation	10	150	13	160	30	400	400	-	127	3.2	1957	
○	209	Samegor - 8	gully - village of Samegor	Irrigation	9.8	330	35	200	20	500	500	-	150	2	1964	
●	210	Strelzi - 7	gully - village of Strelzi	Irrigation	5	433	32	231	65	500	500	-	92	8.5	1967	
●	211	Strelzi - 6	gully - village of Strelzi	Irrigation	8.2	497	20	135	15	600	600	-	59	2.1	1964	
●	212	Strelzi - 2	gully - village of Strelzi	Irrigation	5	310	16	187	45	800	800	-	91	3.7	1957	
●	213	Strelzi - 1	gully - village of Strelzi	Irrigation	5.8	230	7	200	30	600	600	-	90	1	1955	
●	214	Boretz - 4	gully - village of Boretz	Irrigation	7	350	12	150	16	800	800	-	85	0.5	1965	
○	215	Boretz - 3	gully - village of Boretz	Irrigation	8	540	10	224	55	3300	3300	-	200	1	1957	
●	216	Varben - 4	gully - village of Varben	Irrigation	19	300	62	500	130	1500	1500	-	82	9	1967	
●	217	Strelzi - 4	gully - village of Strelzi	Irrigation	9	300	32	400	95	850	850	-	186	7.5	1965	
●	218	Varben - 1	gully - village of Varben	Irrigation	11	140	7	55	15	307	307	-	25	1.2	1956	
○	219	Varben - 3	gully - village of Varben	Irrigation	14	650	30	355	60	1400	1400	-	70	4	1959	
●	220	Varben - 2	gully - village of Varben	Irrigation	8	260	17	120	30	500	500	-	40	1.5	1957	
●	221	Boretz - 6	gully - village of Boretz	Irrigation	6	300	83	77	15	300	300	-	31	1.5	1958	
●	222	Strelzi - 5	gully - village of Strelzi	Irrigation	4	380	21	112	25	300	300	-	45	2	1960	
●	223	Strelzi - 3	gully - village of Strelzi	Irrigation	10.5	539	31	807	120	1800	1800	-	244	12.1	1957	
●	224	Boretz - 5	gully - village of Boretz	Irrigation	5	230	80	80	10	650	650	-	60	0.7	1965	
○	225	Padarsko - 2	gully - village of Padarsko	Irrigation	11	650	36	1092	150	3000	3000	-	786	4	1961	
●	226	Boretz - 2	gully - village of Boretz	Irrigation	7	350	16	270	45	1100	1100	-	100	1.5	1957	
●	227	Boretz - 1	gully - village of Boretz	Irrigation	11.5	400	45	756	130	4550	4550	-	320	21	1955	
●	228	Momino	gully - village of Momino Selo	Irrigation	5.5	1050	40	450	42	357	357	-	224	2.1	1964	
○	229	Sekirovo - 1	gully - village of Sekirovo	Irrigation	6.5	1100	25	1100	150	3500	3500	-	376	0.5	1959	