

**ESTIMAREA VALORICA A INVESTITIEI DE BAZA PENTRU INSTALATII TERMICE**  
 pentru inlocuire schimbatoare de caldura in punctele termice racordate din  
 Magistrala I Sud, II Vest si Ansamblul Berceni Giurgiu (Sectia de exploatare Titan, Vitan, Berceni, Giurgiu, Militari)

Nr. crt.	Denumire PT	Qmax instalat	Qdistribuit	Grad de uzura al sch. tubulare exist.	Nr. sch. cu placi	Qsch. Necesari	Echipe	Lucrari racordare schimb si partiale in plasa EURO	Rob. cu obturator sferic	Filte impuritati	Total bunuri	Lucrari de constructii si arhitectura	Lucrari de racordare si filtre
		Gcal/h	Gcal/h			Gcal/h	EURO Fara TVA	EURO Fara TVA	EURO Fara TVA	EURO Fara TVA	EURO Fara TVA col. 7+9		EURO Fara TVA col. 8+10+12
0	1	2	3	4	5	6	7	8	9	10	11	12	13
<b>I Sectia Titan</b>													
1	PT 21 C5/2	10.27	8.22	80%	4	2.568	27500	18933	3216	776	30716	770.24	20480
2	PT 16 C5/2	9.14	7.31	80%	4	2.285	22400	18933	2328	496	24728	770.24	20199
3	PT 10 C5/2	8.94	7.15	80%	4	2.235	22400	18933	2328	496	24728	770.24	20199
4	PT 11 C5/2	9.18	7.34	80%	4	2.295	22400	18933	2328	496	24728	770.24	20199
5	PT 8A	2.90	2.32	80%	2	1.450	9996	5608	1164	248	11160	770.24	6627
6	PT 12 C5/2	12.64	10.11	80%	5	2.528	33755	23667	4020	970	37775	770.24	25407
7	PT 6 PLACARE	10.20	8.16	80%	4	2.550	27500	18933	3216	776	30716	770.24	20480
8	PT 5X	6.86	5.49	80%	3	2.287	16800	14200	1746	372	18546	770.24	15342
9	PT 4X	10.90	8.72	80%	4	2.725	27004	18933	3216	776	30220	770.24	20480
10	PT 23 C5/2	4.98	3.98	80%	2	2.490	13250	9467	1608	388	14858	770.24	10625
11	PT 5 C3/2	5.35	4.28	60%	2	2.675	12800	9467	1608	388	14408	770.24	10625
12	PT 3 C5/1	9.82	7.85	60%	4	2.454	25330	18933	3216	496	28546	770.24	20199
13	PT 1 PLACARE	8.59	6.87	60%	4	2.147	22400	18933	2328	496	24728	770.24	20199
14	PT 2 PLACARE	13.92	11.14	60%	5	2.784	33755	23667	4020	970	37775	770.24	25407
15	PT 3 PLACARE	3.39	2.71	60%	2	1.693	9400	9467	1164	248	10564	770.24	10485
16	PT 4 PLACARE	9.43	7.54	60%	4	2.358	24400	18933	2328	496	26728	770.24	20199
17	PT 9 C5/2-6	6.72	5.38	55%	3	2.241	16500	14200	1746	372	18246	770.24	15342
18	PT 8 C5/2	7.09	5.67	55%	3	2.362	17400	14200	1746	372	19146	770.24	15342
19	PT 17 C5/2	3.77	3.01	55%	2	1.884	9800	9467	1164	248	10964	770.24	10485
20	PT 2 BAIA DE ARAMA	3.82	3.06	60%	2	1.912	10000	9467	1164	248	11164	770.24	10485
21	PT 5 PLACARE	9.30	7.44	60%	4	2.325	22400	18933	2328	496	24728	770.24	20199
22	PT 8 PLACARE	4.12	3.29	50%	2	2.059	10400	9467	1164	248	11564	770.24	10485
23	PT 14 C5/2	6.15	4.92	55%	3	2.050	15000	14200	1746	372	16746	770.24	15342
24	PT 8 C4/2	4.89	3.91	55%	2	2.446	11600	9467	1164	248	12764	770.24	10485
25	PT 15 C5/2	8.63	6.90	55%	4	2.157	22400	18933	2328	496	24728	770.24	20199
26	PT 5 C5/2	4.41	3.53	55%	2	2.207	1120	9467	1164	248	12364	770.24	10485
27	PT 1 NUFARUL	2.33	1.86	55%	2	1.166	9200	5608	916	210	10116	770.24	6588

28	PT 7 C3/2	3.61	2.89	55%	2	1.807	9800	9467	1164	248	10964	770.24	10485
29	PT M14	2.80	2.24	55%	2	1.399	8800	5608	1164	248	9964	770.24	6626
30	PT 4 C5/1 A-B	5.91	4.73	55%	3	1.971	15000	14200	1746	372	16746	770.24	15342
31	PT G1 C3	8.93	7.14	55%	4	2.233	22400	18933	2328	496	24728	770.24	20199
32	PT MY1-MY14	3.05	2.44	55%	2	1.525	9000	5608	1164	248	10164	770.24	6626
33	PT 1 C3/1 LUCR. PATR.	4.40	3.52	55%	2	2.200	11200	9467	1164	248	12364	770.24	10485
34	PT 10 NEFAMILISTI	4.39	3.51	55%	2	2.195	11200	9467	1164	248	12364	770.24	10485
35	PT 4XA C3	2.98	2.38	55%	2	1.490	9000	5608	1164	248	10164	770.24	6626
36	PT 6X C3/2+3	6.69	5.35	55%	3	2.230	16800	14200	1746	372	18546	770.24	15342
37	PT 8X C3	3.52	2.82	55%	2	1.760	9996	9467	1164	248	11160	770.24	10485
38	PT 7 C4/2+3	10.44	8.35	55%	4	2.611	27500	18933	3216	776	30716	770.24	20479
39	PT 8 C3/2+3	5.64	4.51	55%	3	1.880	15000	14200	1746	372	16746	770.24	15342
40	PT 24 C5	1.4.	1.12	55%	2	0.700	8000	5608	916	210	8916	770.24	6588
<b>II. Sectia Vitan</b>													
41	PT 5 IV/2	5.30	4.24	80%	2	2.650	12500	9467	1608	388	14108	770.24	10625
42	PT DRISTOR INSULA	8.45	6.76	80%	4	2.113	22400	18933	2328	496	24728	770.24	20199
43	PT 1 SULEA NORD	6.10	4.88	80%	3	2.032	15000	14200	1746	372	16746	770.24	15342
44	PT U1	1.71	1.37	80%	2	0.856	8500	5608	916	210	9416	770.24	6589
45	PT 7X	6.43	5.14	80%	3	2.143	16800	14200	1746	372	18546	770.24	15342
46	PT 1 MATEI AMBROZIE	8.57	6.86	80%	4	2.143	22400	18933	2328	496	24728	770.24	20199
47	PT 3X	2.12	1.70	80%	2	1.060	9200	5608	916	210	10116	770.24	6589
48	PT A2	2.19	1.75	80%	2	1.094	8500	5608	916	210	9416	770.24	6589
49	PT A4	2.58	2.06	80%	2	1.290	8796	5608	916	210	9712	770.24	6589
50	PT 2 VITAN	9.75	7.80	80%	4	2.437	25584	18933	2328	496	27912	770.24	20200
51	PT 1 VITAN	10.92	8.73	80%	4	2.729	25584	18933	3216	776	28800	770.24	20480
52	PT 1 LABIRINT inc	2.08	1.66	40%	2	1.040	8500	5608	916	210	9416	770.24	6588
	acc	0.78	0.62	80%	2	0.39	3400	5608	700	120	4100		5728
53	PT 33 MUNCII	1.80	1.44	80%	2	0.900	8000	5608	916	210	8916	770.24	6588
54	PT 3 SULEA	3.90	3.12	20%	2	1.950	10000	9467	1164	248	11164	770.24	10485
55	PT 1 TOMIS	7.36	5.89	20%	3	2.453	18300	14200	1746	372	20046	770.24	15342
56	PT 3 TOMIS	5.84	4.67	20%	3	1.945	15000	14200	1746	372	16746	770.24	15342
57	PT 1 NIC. PASCU	7.60	6.08	20%	3	2.533	19500	14200	2412	582	21912	770.24	15552
58	PT 24 A	1.83	1.47	20%	2	0.917	8500	5608	916	210	9416	770.24	6588
59	PT 2 CATELU	5.73	4.58	20%	3	1.910	15000	14200	1746	372	16746	770.24	15342

60	PT 3 CATELU	3.47	2.77	20%	2	1.734	9996	9467	1164	248	11160	770.24	10485
61	PT MIHAI BRAVU VEST	8.60	6.88	20%	4	2.150	22400	18933	2328	496	24728	770.24	20199
62	PT 9 LABORATOR	6.03	4.82	40%	3	2.010	15000	14200	1746	372	16746	770.24	15342
63	PT DRISTOR LABOR.	10.15	8.12	40%	4	2.538	26000	18933	3216	776	29216	770.24	20479
64	PT 11 LABORATOR	2.95	2.36	40%	2	1.475	9000	5608	1164	248	10164	770.24	6626
65	PT 15 DRISTOR RACARI	6.03	4.82	40%	3	2.008	15000	14200	1746	372	16746	770.24	15342
66	PT 16 RACARI	4.50	3.60	40%	2	2.251	11200	9467	1164	248	12364	770.24	10485
67	PT 3 PAPIU ILARIAN	5.17	4.14	40%	2	2.586	13500	9467	1608	388	15108	770.24	10625
68	PT 17 RACARI	4.48	3.59	40%	2	2.241	11200	9467	1164	248	12364	770.24	10485
69	PT 2 UNITATI	5.33	4.26	40%	2	2.665	13500	9467	1608	388	15108	770.24	10625
70	PT 1A VILE	3.10	2.48	40%	2	1.550	9996	9467	1164	248	11160	770.24	10485
71	PT 1M. BRAVU LAB.	6.35	5.08	40%	3	2.117	16800	14200	1746	372	18546	770.24	15342
72	PT 1XA	0.71	0.57	40%	1	0.710	4000	2804	458	105	4458	770.24	3679
73	PT 1 CALARASI	1.69	1.35	40%	2	0.844	8000	5608	916	210	8916	770.24	6588
74	PT 2 CALARASI	3.90	3.12	40%	2	1.950	10000	9467	1164	248	11164	770.24	10485
75	PT 3 LABIRINT	2.79	2.23	40%	2	1.395	8796	5608	1164	248	9960	770.24	6626
76	PT 4 LABIRINT	2.38	1.90	40%	2	1.190	8796	5608	916	210	9712	770.24	6588
77	PT S6 TH. SPERANTA	5.42	4.34	40%	2	2.710	13500	9467	1608	388	15108	770.24	10625
78	PT S14 TH. SPERANTA	7.72	6.18	40%	3	2.573	19500	14200	2412	582	21912	770.24	15552
79	PT 4 TH. SPERANTA	6.28	5.03	40%	3	2.094	15000	14200	1746	372	16746	770.24	15342
80	PT 3 M. BRAVU UNITATII	4.62	3.70	40%	2	2.310	11200	9467	1164	248	12364	770.24	10485
81	PT 2 PAPIU ILARIAN	5.32	4.26	40%	2	2.660	13500	9467	1608	388	15108	770.24	10625
82	PT 2 NICULAE PASCU	2.24	1.80	40%	2	1.122	8500	5608	916	210	9416	770.24	6588
83	PT 14 DRISTOR TOMIS	5.54	4.43	40%	3	1.847	15000	14200	1746	372	16746	770.24	15342
84	PT 13 DRISTOR	6.25	5.00	40%	3	2.083	15000	14200	1746	372	16746	770.24	15342

	TOMIS												
85	PT 12 DRISTOR TOMIS	8.55	6.84	40%	4	2.138	22400	18933	2328	496	24728	770.24	20199
86	PT 9 PLACARE	8.75	7.00	40%	4	2.188	22400	18933	2328	496	24728	770.24	20199
87	PT 9 C4/2	7.49	5.99	40%	3	2.497	19500	14200	2412	582	21912	770.24	15552
88	PT 10 SULEA AMBROZIE	1.93	1.54	40%	2	0.965	8500	5608	916	210	9416	770.24	6588
89	PT 1 CATELU	5.90	4.72	40%	3	1.967	15000	14200	1746	372	16746	770.24	15342
90	PT 5 CATELU	4.72	3.77	40%	2	2.359	11200	9467	1164	248	12364	770.24	10485
91	PT 1X	5.90	4.72	40%	3	1.967	15000	14200	1746	372	16746	770.24	15342
92	PT 1 MUNCII	11.42	9.13	40%	5	2.283	28000	23666	2914	620	30914	770.24	25056
93	PT 2 STEJARULUI	1.75	1.40	40%	2	0.875	8000	5608	916	210	8916	770.24	6588
94	PT MI BABA NOVAC	1.96	1.57	40%	2	0.980	8500	5608	916	210	9416	770.24	6588
95	PT 3 TH. SPERANTA	2.85	2.28	40%	2	1.425	8796	5608	1164	248	9960	770.24	6626
96	PT 5 CALARASI	2.25	1.80	40%	2	1.125	8500	5608	916	210	9416	770.24	6588
<b>III Sectia Berceni</b>													
97	PT 1 ZONA I	7056	6.05	80%	3	2.520	18291	14200	2412	582	20703	770.24	15552
98	PT METALURGIEI ZONA II	4.14	3.31	80%	2	2.070	10600	9467	1164	248	11764	770.24	10485
99	PT POSTA ZONA II	5.28	4.23	80%	2	2.641	12800	9467	1608	388	14408	770.24	10625
100	PT 1 ZONA II	7.32	5.86	80%	3	2.440	18300	14200	1746	372	20046	770.24	15342
101	PT 1 GIURGIU	7.30	5.84	80%	3	2.433	17691	14200	1746	372	19437	770.24	15342
102	PT 9 FARADO	6.09	4.87	80%	3	2.029	15000	14200	1746	372	16746	770.24	15342
103	PT GIURGIU FARADO	4.78	3.82	80%	2	2.391	13002	9467	1164	248	14166	770.24	10485
104	PT 5 METALURGIE	3.61	2.89	80%	2	1.805	9396	9467	1164	248	10560	770.24	10485
105	PT DUMITRU PETRESCU	5.95	4.76	80%	3	1.983	15000	14200	1746	372	16746	770.24	15342
106	PT SABAOANI	11.30	9.04	80%	5	2.260	28000	23665	2914	620	30914	770.24	25055
107	PT 1 BIS ZONA I	9.10	7.28	40%	4	2.275	22400	18933	2328	496	24728	770.24	20199
108	PT 2 ZONA I	6.17	4.94	40%	3	2.058	15000	14200	1746	372	16746	770.24	15342
109	PT 3 BIS ZONA I	3.78	3.02	40%	2	1.890	10000	9467	1164	248	11164	770.24	10485
110	PT 3 ZONA I	5.64	4.51	40%	3	1.880	15000	14200	1746	372	16746	770.24	15342
111	PT 4 ZONA I	6.24	4.99	40%	3	2.080	15000	14200	1746	372	16746	770.24	15342
112	PT 5 ZONA I	6.97	5.58	40%	3	2.323	16800	14200	1746	372	18546	770.24	15342

113	PT 6 ZONA I	5.68	4.54	40%	3	1.893	15000	14200	1746	372	16746	770.24	15342
114	PT 3 ZONA II	7.26	5.81	40%	3	2.420	18300	14200	1746	372	20046	770.24	15342
115	PT 5 ZONA II	5.64	4.51	40%	3	1.880	15000	14200	1746	372	16746	770.24	15342
116	PT 6 ZONA II	1.49	1.19	40%	2	0.745	8000	5608	916	210	8916	770.24	6588
117	PT 1 MOLDOVITA	3.10	2.48	40%	2	1.550	10000	9467	1164	248	11164	770.24	10485
118	PT 7 ZONA I	5.64	4.51	40%	3	1.880	15000	14200	1746	372	16746	770.24	15342
119	PT 2A METALURGIEI	0.16	0.12	40%	1	0.155	3000	2400	350	60	3350	770.24	3230
120	PT 12 GIURGIULUI ZONA I	1.54	1.23	40%	2	0.770	8000	5608	916	210	8916	770.24	6588
121	PT 1 TUDOR GOGIU	3.42	2.74	40%	2	1.710	10000	9467	1164	248	11164	770.24	10485
122	PT 11 GIURGIULUI	3.60	2.88	40%	2	1.800	10000	9467	1164	248	11164	770.24	10485
123	PT 2 GIURGIULUI	5.02	4.02	40%	2	2.510	13000	9467	1608	388	14608	770.24	10625
<b>IV Sectia Giurgiu</b>													
124	PT 1 OLTENITA PLACARE	3.39	2.72	80%	2	1.697	9796	9467	1164	248	10960	770.24	10485
125	PT 4 OLTENITA PLACARE	3.60	2.88	80%	2	1.800	10000	9467	1164	248	11164	770.24	10485
126	PT 21 FOISOR	7.05	5.64	80%	3	2.351	18300	14200	1746	372	20046	770.24	15342
127	PT PRASILEI	3.54	2.83	80%	2	1.770	10000	9467	1164	248	11164	770.24	10485
128	PT 3 NITU VASILE	8.27	6.62	80%	3	2.757	13746	14200	2412	282	16158	770.24	15552
129	PT 4 NITU VASILE	6.10	4.88	80%	3	2.034	15000	14200	1746	372	16746	770.24	15342
130	PT 2 OLTENITA	4.52	3.62	80%	2	2.260	11194	9467	1164	248	12358	770.24	10485
131	PT 8 BRANCOVEANU	3.07	2.46	80%	2	1.537	9996	9467	1164	248	11160	770.24	10485
132	PT 7 CALARASI	4.20	3.36	50%	2	2.101	11200	9467	1164	248	12364	770.24	10485
133	PT 6 VITAN	3.12	2.50	50%	2	1.561	9996	9467	1164	248	11160	770.24	10485
134	PT 7 VITAN	4.62	3.70	60%	2	2.310	11200	9467	1164	248	12364	770.24	10485
135	PT 2 CORNUL CAPREI	2.07	1.66	60%	2	1.036	8500	5608	916	210	9416	770.24	6588
136	PT 4DUDESTI	1.01	0.81	55%	1	1.010	4250	2804	458	105	4708	770.24	3679
137	PT 3 OLTENITA PLACARE	6.56	5.25	45%	3	2.187	16800	14200	1746	372	18546	770.24	15342

138	PT 12 FOISOR 5.36	5.36	4.28	45%	2	2.678	13500	9467	1608	388	15108	770.24	10625
139	PT 2 VACARESTI	6.20	4.96	45%	3	2.067	15000	14200	1746	372	16746	770.24	15342
140	PT 4 TINERETULUI	8.49	6.79	45%	4	2.123	22400	18933	2328	496	24728	770.24	20199
141	PT 6 BRANCOVEANU	8.38	6.71	45%	4	2.096	22400	18933	2328	496	24728	770.24	20199
142	PT PLUGARILOR	4.30	3.44	40%	2	2.150	11200	9467	1164	248	12364	770.24	10485
143	PT 10 VITAN	4.73	3.79	45%	2	2.367	12200	9467	1164	248	13364	770.24	10485
144	PT 9 VITAN	3.42	2.74	45%	2	1.712	9996	9467	1164	248	11160	770.24	10485
145	PT 14 FOISOR	2.70	2.16	45%	2	1.350	8796	5608	1164	210	9960	770.24	6588
146	PT 5 BRANCOVEANU	4.53	3.62	45%	2	2.265	11200	9467	1164	248	12364	770.24	10485
147	PT 3 MARASESTI	5.05	4.04	45%	2	2.525	13000	9467	1608	388	14608	770.24	10625
148	PT 9 BRANCOVEANU	1.76	1.41	45%	2	0.880	8000	5608	916	210	8916	770.24	6588
149	PT 2 SERBAN VODA	1.57	1.25	45%	2	0.784	8000	5608	916	210	8916	770.24	6588
150	PT 1 SERBAN VODA	0.92	0.74	45%	2	0.460	7000	5608	700	120	7700	770.24	6498
151	PT 19 DOLHASCA	2.16	1.73	45%	2	1.080	8500	5608	916	210	9416	770.24	6588
152	PT 17 DOLHASCA	6.33	5.06	45%	3	2.110	16800	14200	1746	372	18546	770.24	15342
153	PT 3 TINERETULUI	6.98	5.58	45%	3	2.327	16800	14200	1746	372	18546	770.24	15342
154	PT 1 SINCAI	4.71	3.77	45%	2	2.355	12200	9467	1164	248	13364	770.24	10485
155	PT 1 VACARESTI VABATOR	3.90	3.12	45%	2	1.950	10000	9467	1164	248	11164	770.24	10485
156	PT NORILOR	1.32	1.06	45%	2	0.660	8000	5608	916	210	8916	770.24	6588
157	PT C3 CAUZASI	7.85	6.28	45%	3	2.617	19500	14200	2412	582	21912	770.24	15552
158	PT B3 CAUZASI	5.60	4.48	45%	3	1.867	15000	14200	1746	372	16746	770.24	15342
159	PT 4 LINARIEI	2.73	2.18	45%	2	1.365	8796	5608	1164	248	9960	770.24	6626
160	PT 11 VITAN FOISOR	4.59	3.67	45%	2	2.295	11200	9467	1164	248	12364	770.24	10485
161	PT 13 VITAN FOISOR	2.86	2.29	45%	2	1.430	8796	5608	1164	248	9960	770.24	6626
162	PT 4 MARASESTI	4.37	3.50	45%	2	2.185	11200	9467	1164	248	12364	770.24	10485

163	PT 16 VITAN	0.47	0.38	45%	1	0.470	3500	2804	350	60	3850	770.24	3634
164	PT 5 CORNUL CAPREI	3.13	2.50	45%	2	1.565	9996	9467	1164	248	11160	770.24	10485
165	PT 1 FOISOR ZONA I	6.75	5.40	45%	3	2.250	16800	14200	1746	372	18546	770.24	15342
166	PT 2 MARASESTI	5.36	4.29	45%	2	2.680	13500	9467	1608	388	15108	770.24	10625
167	PT 15 FOISOR	1.34	1.07	45%	2	0.670	8000	5608	916	210	8916	770.24	6588
168	PT 19 FOISOR	2.72	2.18	45%	2	1.360	8796	5608	1164	248	9960	770.24	6626
169	PT E 6	2.91	2.33	45%	2	1.457	8796	5608	1164	248	9960	770.24	6626
170	PT F 6	2.29	1.83	45%	2	1.145	8796	5608	916	210	9712	770.24	6588
171	PT E 1	3.60	2.88	45%	2	1.800	10000	9467	1164	248	11164	770.24	10485
172	PT I 3	2.69	2.15	45%	2	1.345	8796	5608	1164	248	9960	770.24	6626
173	PT J 2	4.73	3.78	45%	2	2.365	11200	9467	1164	248	12364	770.24	10485
174	PT G3	4.93	3.94	45%	2	2.465	13000	9467	1608	388	14608	770.24	10625
<b>V Sectia Militari</b>													
175	PT 4 PLACARE	10.49	8.392	80%	4	2.623	25584	18933	3216	776	28800	770.24	20480
176	PT 8 GHIRLANDEI	8.028	6.4224	80%	3	2.676	20319	14200	2412	582	22731	770.24	15552
177	PT 3 UVERTURII	5.17	4.136	80%	2	2.585	12792	9467	1608	388	14400	770.24	10625
178	PT 1 INDESIRII	8.93	7.144	80%	4	2.233	22400	18933	2328	496	24728	770.24	20199
179	PT 9 MOHORULUI	9.81	7.848	85%	4	2.453	24400	18933	2328	496	26728	770.24	20200
180	PT 5 DESISULUI	7.95	6.36	80%	3	2.650	20319	14200	2412	582	22731	770.24	15552
181	PT 2 POLITEHNICII	7.94	6.352	80%	3	2.647	20319	14200	2412	582	22731	770.24	15552
182	PT 4 ROSIA MONTANA	10.56	8.448	85%	4	2.640	25584	18933	3216	776	28800	770.24	20480
183	PT 3A PLACARE	7.83	6.264	80%	3	2.610	20319	14200	2412	582	22731	770.24	15552
184	PT 12 LINIEI	4.9	3.92	50%	2	2.450	12200	9467	1608	248	13808	770.24	10485
185	PT 10 ARAGONITULUI	6.185	4.948	40%	3	2.062	15000	14200	1746	372	16746	770.24	15342
186	PT 2 PLACARE	6.084	4.8672	50%	3	2.028	15000	14200	1746	372	16746	770.24	15342
187	PT 11 MARGELELOR	7.4	5.92	60%	3	2.467	18300	14200	2412	372	20712	770.24	15342
188	PT 10 LINIEI	2.416	1.9328	40%	2	1.208	9200	9467	916	210	10116	770.24	10447
189	PT 2 VETERANI	5.23	4.184	50%	2	2.615	12792	9467	1608	388	14400	770.24	10625
190	PT 7 LAVANDEI	5.308	4.2464	45%	2	2.654	12792	9467	1608	388	14400	770.24	10625
191	PT 6 ROSIA MONTANA	6.733	5.3864	50%	3	2.240	16791	14200	1746	372	18537	770.24	15342
192	PT 5 VIRTUTII	3.74	2.992	40%	2	1.870	10000	9467	1164	248	11164	770.24	10485

193	PT 13 LINIEI	4.24	3.392	40%	2	20120	11200	9467	1164	248	12364	770.24	10485
194	PT 11 LIMIEI	4.69	3.752	50%	2	2.345	11200	9467	1164	248	12364	770.24	10485
195	PT 3 VIRTUTII	3.33	2.664	40%	2	1.665	9996	9467	1164	248	11160	770.24	10485
196	PT 3 DREPTATHI	7.92	6.336	50%	3	2.640	19500	14200	2412	582	21912	770.24	15552
197	PT 7 UVERTURII VIRTUTII	1.726	1.3808	40%	2	0.863	8000	5608	916	210	8916	770.24	6588
198	PT VETERANILOR	10.351	8.2808	40%	5	2.070	28000	23666	2914	620	30914	770.24	25056
199	PT 2 UVERTURII VIRTUTII	6.268	5.0144	40%	3	2.089	16800	14200	1746	372	18546	770.24	15342
200	PT 1 COMUNA ROSU	2.465	1.972	40%	2	1.233	8796	5608	916	210	9712	770.24	6588
201	PT 2 ROSU 4.687	4.687	3.7496	40%	2	2.344	11200	9467	1164	248	12364	770.24	10485
202	PT 14 PACII 2.399	2.399	1.9192	40%	2	1.200	8796	5608	916	210	9712	770.24	6588
203	PT 15 PACII SUD	2.478	1.9824	40%	2	1.239	8796	5608	916	210	9712	770.24	6588
204	PT 4 UVERTURII VIRTUTII	3.247	2.5976	40%	2	1.624	9996	9467	1164	248	11160	770.24	10485
205	PT 12 MARATON	7.994	6.3952	40%	3	2.665	19500	14200	2412	582	21912	770.24	15552
206	PT 15 GHIRLANDEI APUS	3.772	3.0176	40%	2	1.886	10000	9467	1164	248	11164	770.24	10485
207	PT 8 PLACARE	11.32	9.056	40%	5	2.264	28000	23666	2914	620	30914	770.24	25056
208	PT GRADINITA NR. 250	0.62	0.496	40%	1	0.620	3500	2804	350	60	3850	770.24	3634
209	PT LOCUINTE ICAB	0.115	0.092	40%	1	0.115	3000	2400	350	60	3350	770.24	3230
	TOTAL GENERAL I-V	110599	884.80		545		296094 3	239751 1	334080	73552	329502 3	160980.16	2632043.16

Total echipamente (schimbatoare si robineti cu obturator sferic col.11) fara TVA= 3295023 Euro

Transport 790 tx2, 59 Euro/t=2046 fara TVA

Total =3297069 Euro fara TVA

TVA 19% = 626444 Euro

**Total general echipamente 3923512 Euro TVA**

Total lucrari: de racordare, filtre si lucrari de constructie si arhitectura = 2632043.16 Euro TVA

TVA 19% = 500088.2 Euro

**Total general lucrari de racordare si filtre =3132131.36 Euro TVA**

1 Euro = 40100 lei (cursul mediu prognozat de MFP pentru anul 2004)



**Estimare valorica pentru lucrarile suplimentare**  
 valori la cursul mediu prognozat de MFP pentru anul 2004 adica 1 Euro = 40.100Lei,  
 la data de 18.12.1996; 1ECU = 4715 lei

Nr. Crt.	Denumire capitolelor de cheltuieli	valoare totala (fara TVA)		valoare totala (cu TVA)	
		mii lei	Euro	mii lei	Euro
	<b>Valoarea totala a investitiei in preturi la 18.12.1996 din care:</b>	<b>31,414,824</b>	<b>6,662,741</b>	<b>37,383,641</b>	<b>7,928,662</b>
	<b>Valoarea totala a investitiei in preturi la 31.12.2003 din care:</b>	<b>267,175,917</b>	<b>6,662,741</b>	<b>317,939,342</b>	<b>7,928,662</b>
1	Cheltuieli pentru invest de baza	239,587,710,	5,974,756	285,109,375	7,109,959
	Inlocuire schimbatoare (C+1 termice+constructii si arhitectura	105,544,931	2,632,043	125,598,468	3,132,131
	Utilaje tehnologice (schimbatoare+vane)	132,212,467	3,297,069	157,332,836	3,923,512
	Dotari (PSI+scule mentenanta)	1,830,312	45,644	2,178,072	54,316
2	Alte cheltuieli din care:	27,588,207	687,985	32,829,967	818,702
	Asistenta tehnica, plata personalului pt. supravegherea executiei	1,042,600	26,000	1,240,694	30,940
	Cheltuieli pentru organizarea licitatiei:	17,650	440	21,003	524
	Taxe ISCIR	391,931	9,774	466,398	11,631
	Comisioane diverse:				
	Comision B.I	1,609,173	40,129	1,914,916	47,754
	Comision ISCPUAT	1,354,964	33,790	1,612,407	40,210
	Cota pt. Casa sociala aconstructorilor	846,853	21,119	1,007,755	25,131
	Cheltuieli diverse si neprevazute	14,947,864	372,765	17,787,959	443,590
	Organizare de santier	5,727,505	142,831	6,815,731	169,968

Director General  
Ing Virgil Ramba

Director Economic  
Ec. Vasile Oltean



Achizitiile lucrari																		
Pachet 1 Lot 1.1 C+M si furnitura Magistrala I Sud	6,985	6,865	120	2,802	2,807	(5)	1,244	1,079	165	2,444	2,464	(20)	495	515	(20)	-	-	-
Pachet 2																		
Lot 2.1 C+M Magistrala II Vest etapa I	1,800	1,792	8	1,084	1,086	(2)	2	2	-	657	652	5	57	52	5	-	-	-
Lot 2.2 C+M Magistrala II Vest etapa II	3,050	3,053	(3)	1,741	1,725	16	118	118	-	881	882	(1)	310	328	(18)	-	-	-
Pachet 3																		
Lot 3.1 P.T si retea sec. (3) (B-G)	2,950	2,045	905	988	737	251	654	253	401	1,026	773	253	282	282	-	-	-	-
Lot 3.2 P.T si retea sec. (3) (B-G)	2,520	1,983	537	619	621	(2)	629	163	466	1,075	1,002	73	197	197	-	-	-	-
Lot 3.3 P.T si retea sec (4) (B- G)	4,900	3,480	1,420	1,915	1,220	695	858	344	514	1,919	1,713	206	208	203	5	-	-	-
Lot 3.4 P.T si retea sec. (5) (B-G)	5,110	3,620	1,490	1,888	1,320	568	965	380	585	2,032	1,685	347	225	235	(10)	-	-	-
Pachet 4																		
Lot 4.1 P.T si retea sec. (3) (B-O)	2,990	2,429	561	1,262	1,142	120	523	154	369	940	868	72	265	265	-	-	-	-
Lot 4.2. P.T si retea (3) (B-O)	3,195	2,812	383	1,049	935	114	382	308	74	1,482	1,262	220	282	307	(25)	-	-	-
Lot 4.3 P.T si retea (3) (B-O)	2,350	2,365	(15)	770	785	(15)	298	298	-	1,077	1,077	-	205	205	-	-	-	-
Lot 4.4 A C+M - Primar(B-O)	3,150	2,759	391	754	754	-	422	184	238	1,658	1,491	167	316	330	(14)	-	-	-
LOt 4.4 B C+M - Primar (B-O)	1,820	1,081	739	551	325	226	177	110	67	917	471	446	175	175	-	-	-	-
Total achizitii lucrari	40,820	34,284	6,536	15,423	13,457	1,966	6,272	3,393	2,879	16,108	14,340	1,768	3,017	3,094	(77)	-	-	-

Proiectare si engineering	733	4	729	-	-	-	-	-	-	-	-	-	660	-	660	73	4	69
Asistenta th. Plata personalului de supraveghere a executiei verif. Tehnice	645	643	2	-	-	-	-	-	-	-	-	-	516	461	55	129	182	(53)
Consultanta tehnica	1,810	1,810	-	1,810	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cheltuieli pentru organizarea licitatiilor	61	59	2	-	-	-	-	-	-	-	-	-	34	29	5	27	30	(3)
Cheltuieli pentru avize si acorduri	388	244	144	-	-	-	-	-	-	-	-	-	311	225	86	77	19	58
Dotari	5	-	5	-	-	-	-	-	-	-	-	-	5	-	5	-	-	-
Comisioane diverse	964	473	491	-	-	-	-	-	-	-	-	-	820	329	491	144	144	-
Taxe ISCIR	17	3	14	-	-	-	-	-	-	-	-	-	15	3	12	2	-	2
Cheltuieli diverse si neprevazute	3,222	-	3,222	300	-	300	446	-	446	805	-	805	210	-	210	1,461	-	1,461
Total alte cheltuieli	7,845	3,236	4,609	2,110	1,810	300	446	-	446	805	-	805	2,571	1,047	1,524	1,913	379	1,534
Sume in curs de angajare	901	-	901	-	-	-	315	-	315	50	-	50	50	-	50	486	-	486
TOTAL	70,000	56,250	13,750	35,000	32,390	2,610	10,000	5,000	5,000	16,963	14,340	2,623	5,638	4,141	1,497	2,399	379	2,020
Taxe vamale	2,332	572	1,760	-	-	-	-	-	-	2,332	572	1,760	-	-	-	-	-	-
TVA	13,020	10,068	2,952	-	-	-	-	-	-	11,735	9,463	2,272	854	594	260	431	11	420
TOTAL GENERAL APROBAT	85,352	66,890	18,462	35,000	32,390	2,610	10,000	5,000	5,000	31,030	24,375	6,655	6,492	4,735	1,757	2,830	390	2,440
TVA	137	-	137	-	-	-	-	-	-	137	-	137	-	-	-	-	-	-
TOTAL GENERAL ACTUALIZAT	85,489	66,890	18,599	35,000	32,390	2,610	10,000	5,000	5,000	31,167	24,375	6,792	6,492	4,735	1,757	2,830	390	2,440

NOTA:  
Diferenta de 500 mii EURO, inclusa in costul total al proiectului potrivit Acordurilor de imprumut incheiate cu BEI si respectiv cu BDCE, dar necuprinsa in valoarea expertizata si legal aprobata a proiectului prin HG nr. 674/1997, se va utiliza in conditiile legii  
Suma de 137.000 EURO inclusa in Totalul general actualizat (Total general aprobat – 85.352 EUR) se datoreaza modificarii cotei de TVA de la 18% in 1998 (prevazut in devizul general aprobat) la 19% in 2000, in conformitate cu Ordonanta de Urgenta nr. 215/30.12.1999  
In " comisioane diverse" sunt incluse de asemenea si prestatii vamale  
In "cheltuieli pentru organizarea licitatiilor" sunt incluse de asemenea alte costuri care nu au legatura cu licitatiile (cheltuieli DHL)

DIRECTOR GENERAL,  
Ing. Virgil Ramba

RADET

DIRECTOR ECONOMIC,  
Ec. Vasile Oltean

Situatia sumelor in curs de angajare la 31.12.2003 din cadrul obiectivului de investitii  
 "Reabilitarea Sistemului de Termoficare din Municipiul Bucuresti"

Nr. crt	Denumirea obiectivului de investitii	UM	Valoarea totala aprobata HG nr. 674/1997 in preturi la data 18.12.1996	Realizat cumulativ la 31.12.2003		Rest de plata conform contractelor		Valoarea totala angajata	
				in preturi la 18.12.1996	in preturi efective la 31.12.2003	in preturi la 18.12.1996	in preturi la data contractarii	in preturi la 18.12.1996	in preturi efective la 31.12.2003
0	1	2	3	4	5	6	7	8=4+6	9=5+7
1	"REABILITAREA SISTEMULUI DE TERMOFICARE DIN MUNICIPIUL BUCURESTI	mii EURO	85,352	66,338	66,338	552	552	66,890	66,890
		mii LEI	402,435,000	312,783,670	1,797,111,222	2,602,680	22,135,200	315,386,350	1,819,246,422

Nr. crt	Denumirea Obiectivului de Investitii	UM	Sume neangajate la 31.12.2003, din care finantate din :													
			Valoare totala neangajata		din care finantate din,										din care finantate sunt,	
					BEI		BDCE		Finantare locala		BUGET DE STAT		BUGET LOCAL			
			in preturi la 18.12.1996	in preturi efective la 31.12.2003	in preturi la 18.12.2003	in preturi efective la 31.12.2003	in preturi la 18.12.1996	in preturi efective la 31.12.2003	in preturi la 18.12.1996	in preturi efective la 31.12.2003	in preturi la 18.12.2003	in preturi efective la 31.12.2003	in preturi la 18.12.2003	in preturi efective la 31.12.2003	in preturi la 18.12.1996	in preturi efective la 31.12.2003
0	1	2	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	"REABILITAREA SISTEMULUI DE TERMOFICARE DIN MUNICIPIUL BUCURESTI	mii EURO	18,462	18,462	2,610	2,610	5,000	5,000	10,852	10,852	6,655	6,655	1,757	1,757	2,440	2,440
		mii LEI	87,048,650	740,326,200	12,306,150	104,661,000	23,575,000	200,500,000	51,167,500	435,165,200	31,378,325	266,865,500	8,284,255	70,455,700	11,504,920	97,844,000

**Note:**

1. Pentru valoarea totala de 402.435.000 mii lei, cursul valutar de schimb utilizat este de 4.715 lei = 1 ECU (EURO), din data de 18.12.1996
2. Pentru "Realizat cumulativ la data de 31.12.2003 in preturi efective la 31.12.2003", cursurile valutare folosite sunt BNR din data platii

3. Valorile pentru “ Rest de plata cf. Contractelor in preturi la 18.12.1996” si “Valoarea totala angajata in preturi la 18.12.1996”, sunt transformate la cursul valutar di 18.12.1996”, adica 1 EURO = 4.715 lei
4. Valorile pentru “Rest de plata cf. Contractelor in preturi efective la 31.12.2003” si “ Valoarea totala angajata in preturi efective la 31.12.2003”

DIRECTOR GENERAL,  
Ing. Virgil Ramba

RADET

DIRECTOR ECONOMIC,  
Ec. Vasile Oltean