

Construction of the Regional Educational and Cons

Bill of Quantity - cover sheet

Item No.	Name
A	Construction works,Interior - Architectural part
B	Internal water supply, sanitary equipment
C	International power supply
D	External sewerage, water supply
E	Fire alarms
F	Video monitoring system
G	Cooling and heating
H	Computer and telephone network
I	TV network
J	Ventilation
K	Outdoor lighting

VAT in %

EXCHANGE RATE FOR CONTRACT IMPLEMENTATION - EURO / GEL

Item

TOTAL PRICE without VAT - for work sections A - K

TOTAL VAT

ultation Apicultural Centre

Total price in GEL, without VAT
425 546,58 GEL
36 575,19 GEL
56 980,78 GEL
11 433,66 GEL
7 851,88 GEL
15 302,23 GEL
76 989,51 GEL
9 722,97 GEL
414,33 GEL
25 561,23 GEL
9 082,29 GEL

	18%
1 EURO =	3,14

	price in GEL
	675 460,66 GEL
	121 582,92 GEL
	797 043,57 GEL

GEL

price in EURO

215 114,86 EUR

38 720,67 EUR

253 835,53 EUR

Construction of the Regional Educational and Consultation Apicultural Centre

A Construction works, Interior - Architectural part

#	Basis	Name of work	Dimension	Resource		Labour	
				Per unit	All	Per unit price	All
1'	2'	3'	4'	5'	6'	7'	8'
Earthworks							
1	1-11-9, Code0919	III cat. Soil treatment within the foundation pit by excavator, ladle volume 0,65kub.m. Labour resources Excavator exploitation	1000m p.p/hr w/hr	 9,960 22,300	3,014 30,019 67,212	 8,00	 160,14
2	1-78-3	III cat. Soil treatment within the foundation pit with hand depth of 2 metres Labour resources	m3 p.p/hr	 2,780	100,000 278,000	 8,00	 1800,00
3	1-31-3,14 Code1009	III.cat. Soil backfilling by means of bulldozer movement up to 30 metres with heaviness of 59 sq/t. Bulldozer exploitation	1000m w/hr	 17,790	0,4400 7,828		
4	1-81-3.	III cat. Soil backfilling by hand Labour resources	m3 p.p/hr	 1,210	100,000 121,000	 8,00	 747,00
5	srf2018-II C.15p20	Soil transportation	Ton		2244,000		
Basement							
6	6-1-6.	Mon. reinforced concrete dotted basement S.T-1 (15 units) Labour resources Vehicles Concrete ~B25~ Frame board Frame plank IIIquality. 40mm A-I class armature A-III class armature	m3 p.p/hr GEL m3 sq.m m3 ton ton	 5,170 1,290 1,015 1,240 0,0138 with project with project	17,700 91,509 22,833 17,966 21,948 0,244 0,630 1,980	 8,00	 732,07

1'	2'	3'	4'	5'	6'	7'	8'
		Tool consumables	GEL	0,300	5,310		
7	6-1-6.	Mon. reinforced concrete dotted basement S.T-2 (6 units)	m3		6,360		
		Labour resources	p.p/hr	5,170	32,881	8,00	263,05
		Vehicles	GEL	1,290	8,204		
		Concrete ~B25~	m3	1,015	6,455		
		Frame board	sq.m	1,240	7,886		
		Frame plank III quality. 40mm	m3	0,0138	0,088		
		A-I class armature	ton	with project	0,204		
		A-III class armature	ton	with project	0,696		
		Tool consumables	GEL	0,300	1,908		
8	6-1-6.	Mon. reinforced concrete dotted basement S.T-3 (1 unit)	m3		1,060		
		Labour resources	p.p/hr	5,170	5,480	8,00	43,84
		Vehicles	GEL	1,290	1,367		
		Concrete ~B25~	m3	1,015	1,076		
		Frame board	sq.m	1,240	1,314		
		Frame plank III quality. 40mm	m3	0,0138	0,015		
		A-I class armature	ton	with project	0,034		
		A-III class armature	ton	with project	0,116		
		Tool consumables	GEL	0,300	0,318		
9	6-1-6.	Mon. reinforced concrete dotted basement S.T-4 (7 units)	m3		8,260		
		Labour resources	p.p/hr	5,170	42,704	8,00	341,63
		Vehicles	GEL	1,290	10,655		
		Concrete ~B25~	m3	1,015	8,384		
		Frame board	sq.m	1,240	10,242		
		Frame plank III quality. 40mm	m3	0,0138	0,114		
		A-I class armature	ton	with project	0,406		
		A-III class armature	ton	with project	0,966		
		Tool consumables	GEL	0,300	2,478		
10	6-15-2.	Mon. reinforced concrete basement plate	m3		43,690		
		Labour resources	p.p/hr	14,700	642,243	8,00	5137,94
		Vehicles	GEL	1,210	52,865		
		Concrete ~B25~	m3	1,000	43,690		
		Frame board	sq.m	2,460	107,477		
		Frame plank II quality. 40mm	m3	0,0160	0,699		

1'	2'	3'	4'	5'	6'	7'	8'
		Frame plank IIIquality. 40mm Electrode A-I class armature A-III class armature Tool consumables	m3 kg ton ton GEL	0,0070 3,300 with project with project 0,000	0,306 144,177 0,7301 2,2757 0,000		
		Constructive elements					
11	6-16-1.	Mon. reinforced concrete roofing slabs (on- 0,100 level) Labour resources Vehicles Concrete ~B25~ Frame board Frame plank II quality. 25-32mm The same, IIquality. 40mm and more Frame plank IIIquality. 40mm A-III class armature Tool consumables	m3 p.p/hr GEL m3 sq.m m3 m3 m3 ton GEL	8,400 0,810 1,015 1,370 0,0084 0,0256 0,0026 with project 0,390	30,550 256,620 24,746 31,008 41,854 0,257 0,782 0,079 2,2809 11,915	8,00	2052,96
12	6-16-1.	Mon. reinforced concrete roofing slabs (on +2,600 and 3,200 level) Labour resources Vehicles Concrete ~B25~ Frame board Frame plank II quality. 25-32mm The same, IIquality. 40mm and more Frame plank IIIquality. 40mm A-I class armature A-III class armature Tool consumables	m3 p.p/hr GEL m3 sq.m m3 m3 m3 ton ton GEL	8,400 0,810 1,015 1,370 0,0084 0,0256 0,0026 with project with project 0,390	35,380 297,192 28,658 35,911 48,471 0,297 0,906 0,092 0,076 4,486 13,798	8,00	2377,54
13	6-12-6.	Mon. reinforced concrete columns mc-1 (12 units) Labour resources Vehicles Concrete ~B25~ Frame board Plank frame IIquality. 40mm Frame plank IIIquality. 40mm Electrode	m3 p.p/hr GEL m3 sq.m m3 m3 kg	6,470 1,950 1,015 0,960 0,0185 0,0011 1,500	6,360 41,149 12,402 6,455 6,106 0,118 0,007 9,540	8,00	329,19

1'	2'	3'	4'	5'	6'	7'	8'
		A-I class armature A-III class armature Tool consumables	ton ton GEL	with project with project 0,290	0,348 1,018 1,844		
14	6-12-6.	Mon. reinforced concrete columns mc-2 (1 unit)	m3		0,530		
		Labour resources	p.p/hr	6,470	3,429	8,00	27,43
		Vehicles	GEL	1,950	1,034		
		Concrete ~B25~	m3	1,015	0,538		
		Frame board	sq.m	0,960	0,509		
		Plank frame IIquality. 40mm	m3	0,0185	0,010		
		Frame plank IIIquality. 40mm	m3	0,0011	0,001		
		Electrode	kg	1,500	0,795		
		A-I class armature	ton	with project	0,029		
		A-III class armature	ton	with project	0,085		
		Tool consumables	GEL	0,290	0,154		
15	6-12-6.	Mon. reinforced concrete columns mc-3 (6 units)	m3		3,900		
		Labour resources	p.p/hr	6,470	25,233	8,00	201,86
		Vehicles	GEL	1,950	7,605		
		Concrete ~B25~	m3	1,015	3,959		
		Frame board	sq.m	0,960	3,744		
		Plank frame IIquality. 40mm	m3	0,0185	0,072		
		Frame plank IIIquality. 40mm	m3	0,0011	0,004		
		Electrode	kg	1,500	5,850		
		A-I class armature	ton	with project	0,198		
		A-III class armature	ton	with project	0,497		
		Tool consumables	GEL	0,290	1,131		
16	6-12-6.	Mon. reinforced concrete columns mc-4 (2 units)	m3		1,120		
		Labour resources	p.p/hr	6,470	7,246	8,00	57,97
		Vehicles	GEL	1,950	2,184		
		Concrete ~B25~	m3	1,015	1,137		
		Frame board	sq.m	0,960	1,075		
		Plank frame IIquality. 40mm	m3	0,0185	0,021		
		Frame plank IIIquality. 40mm	m3	0,0011	0,001		
		Electrode	kg	1,500	1,680		
		A-I class armature	ton	with project	0,060		
		A-III class armature	ton	with project	0,143		

1'	2'	3'	4'	5'	6'	7'	8'
		Tool consumables	GEL	0,290	0,325		
17	6-12-6.	Mon. reinforced concrete columns mc-5 (2 units)	m3		0,980		
		Labour resources	p.p/hr	6,470	6,341	8,00	50,72
		Vehicles	GEL	1,950	1,911		
		Concrete ~B25~	m3	1,015	0,995		
		Frame board	sq.m	0,960	0,941		
		Plank frame IIquality. 40mm	m3	0,0185	0,018		
		Frame plank IIIquality. 40mm	m3	0,0011	0,001		
		Electrode	kg	1,500	1,470		
		A-I class armature	ton	with project	0,056		
		A-III class armature	ton	with project	0,159		
		Tool consumables	GEL	0,290	0,284		
17	6-12-6.	Mon. reinforced concrete columns mc-6 (6 units)	m3		6,480		
		Labour resources	p.p/hr	6,470	41,926	8,00	335,40
		Vehicles	GEL	1,950	12,636		
		Concrete ~B25~	m3	1,015	6,577		
		Frame board	sq.m	0,960	6,221		
		Plank frame IIquality. 40mm	m3	0,0185	0,120		
		Frame plank IIIquality. 40mm	m3	0,0011	0,007		
		Electrode	kg	1,500	9,720		
		A-I class armature	ton	with project	0,226		
		A-III class armature	ton	with project	0,366		
		Tool consumables	GEL	0,290	1,879		
19	6-12-6.	Mon. reinforced concrete columns mc-7 (4 units)	m3		2,520		
		Labour resources	p.p/hr	6,470	16,304	8,00	130,44
		Vehicles	GEL	1,950	4,914		
		Concrete ~B25~	m3	1,015	2,558		
		Frame board	sq.m	0,960	2,419		
		Plank frame IIquality. 40mm	m3	0,0185	0,047		
		Frame plank IIIquality. 40mm	m3	0,0011	0,003		
		Electrode	kg	1,500	3,780		
		A-I class armature	ton	with project	0,131		
		A-III class armature	ton	with project	0,321		
		Tool consumables	GEL	0,290	0,731		

1'	2'	3'	4'	5'	6'	7'	8'
20	6-12-6.	Mon. reinforced concrete columns mc-8 (1 unit)	m3		0,630		
		Labour resources	p.p/hr	6,470	4,076	8,00	32,61
		Vehicles	GEL	1,950	1,229		
		Concrete ~B25~	m3	1,015	0,639		
		Frame board	sq.m	0,960	0,605		
		Plank frame IIquality. 40mm	m3	0,0185	0,012		
		Frame plank IIIquality. 40mm	m3	0,0011	0,001		
		Electrode	kg	1,500	0,945		
		A-I class armature	ton	with project	0,033		
		A-III class armature	ton	with project	0,080		
		Tool consumables	GEL	0,290	0,183		
21	6-12-6.	Mon. reinforced concrete columns mc-9 (6 units)	m3		1,680		
		Labour resources	p.p/hr	6,470	10,870	8,00	86,96
		Vehicles	GEL	1,950	3,276		
		Concrete ~B25~	m3	1,015	1,705		
		Frame board	sq.m	0,960	1,613		
		Plank frame IIquality. 40mm	m3	0,0185	0,031		
		Frame plank IIIquality. 40mm	m3	0,0011	0,002		
		Electrode	kg	1,500	2,520		
		A-I class armature	ton	with project	0,109		
		A-III class armature	ton	with project	0,224		
		Tool consumables	GEL	0,290	0,487		
22	6-12-6.	Mon. reinforced concrete columns mc-10 (2 units)	m3		1,020		
		Labour resources	p.p/hr	6,470	6,599	8,00	52,80
		Vehicles	GEL	1,950	1,989		
		Concrete ~B25~	m3	1,015	1,035		
		Frame board	sq.m	0,960	0,979		
		Plank frame IIquality. 40mm	m3	0,0185	0,019		
		Frame plank IIIquality. 40mm	m3	0,0011	0,001		
		Electrode	kg	1,500	1,530		
		A-I class armature	ton	with project	0,057		
		A-III class armature	ton	with project	0,131		
		Tool consumables	GEL	0,290	0,296		
23	6-12-6.	Mon. reinforced concrete columns mc-11 (1 unit)	m3		0,140		

1'	2'	3'	4'	5'	6'	7'	8'
		Labour resources Vehicles Concrete ~B25~ Frame board Plank frame IIquality. 40mm Frame plank IIIquality. 40mm Electrode A-I class armature A-III class armature Tool consumables	p.p/hr GEL m3 sq.m m3 m3 kg ton ton GEL	6,470 1,950 1,015 0,960 0,0185 0,0011 1,500 with project with project 0,290	0,906 0,273 0,142 0,134 0,003 0,000 0,210 0,010 0,022 0,041	8,00	7,25
24	6-12-6.	Mon. reinforced concrete columns mc-11-2 (1 unit) Labour resources Vehicles Concrete ~B25~ Frame board Plank frame IIquality. 40mm Frame plank IIIquality. 40mm Electrode A-I class armature A-III class armature Tool consumables	m3 p.p/hr GEL m3 sq.m m3 m3 kg ton ton GEL	6,470 1,950 1,015 0,960 0,0185 0,0011 1,500 with project with project 0,290	0,150 0,971 0,293 0,152 0,144 0,003 0,000 0,225 0,0073 0,0235 0,044	8,00	7,76
25	6-15-4.	Mon. reinforced concrete crossbar mc-1 (1 unit) Labour resources Vehicles Concrete ~B25~ Frame board Frame plank II quality. 25-32mm The same, IIquality. 40mm and more Frame plank IIIquality. 40mm Electrode A-I class armature A-III class armature Tool consumables	m3 p.p/hr GEL m3 sq.m m3 m3 m3 kg ton ton GEL	10,600 1,150 1,000 1,890 0,0037 0,0168 0,0040 3,400 with project with project 0,760	1,760 18,656 2,024 1,760 3,326 0,007 0,030 0,007 5,984 0,076 0,234 1,338	8,00	149,25
26	6-15-4.	Mon. reinforced concrete crossbar mc-2 (1 unit) Labour resources Vehicles	m3 p.p/hr GEL	10,600 1,150	2,180 23,108 2,507	8,00	184,86

1'	2'	3'	4'	5'	6'	7'	8'
		Concrete ~B25~ Frame board Frame plank II quality. 25-32mm The same, IIquality. 40mm and more Frame plank IIIquality. 40mm Electrode A-I class armature A-III class armature Tool consumables	m3 sq.m m3 m3 m3 kg ton ton GEL	1,000 1,890 0,0037 0,0168 0,0040 3,400 with project with project 0,760	2,180 4,120 0,008 0,037 0,009 7,412 0,105 0,247 1,657		
27	6-15-4.	Mon. reinforced concrete crossbar mc-3 (2 unit) Labour resources Vehicles Concrete ~B25~ Frame board Frame plank II quality. 25-32mm The same, IIquality. 40mm and more Frame plank IIIquality. 40mm Electrode A-I class armature A-III class armature Tool consumables	m3 p.p/hr GEL m3 sq.m m3 m3 m3 kg ton ton GEL	 10,600 1,150 1,000 1,890 0,0037 0,0168 0,0040 3,400 with project with project 0,760	 2,560 27,136 2,944 2,560 4,838 0,009 0,043 0,010 8,704 0,105 0,247 1,946	8,00	217,09
28	6-15-4.	Mon. reinforced concrete crossbar mc-4 (3 unit) Labour resources Vehicles Concrete ~B25~ Frame board Frame plank II quality. 25-32mm The same, IIquality. 40mm and more Frame plank IIIquality. 40mm Electrode A-I class armature A-III class armature Tool consumables	m3 p.p/hr GEL m3 sq.m m3 m3 m3 kg ton ton GEL	 10,600 1,150 1,000 1,890 0,0037 0,0168 0,0040 3,400 with project with project 0,760	 4,740 50,244 5,451 4,740 8,959 0,018 0,080 0,019 16,116 0,198 0,545 3,602	8,00	401,95
29	6-15-4.	Mon. reinforced concrete crossbar mc-5 (1 unit) Labour resources	m3 p.p/hr	 10,600	 1,280 13,568	8,00	108,54

1'	2'	3'	4'	5'	6'	7'	8'
		Vehicles Concrete ~B25~ Frame board Frame plank II quality. 25-32mm The same, IIquality. 40mm and more Frame plank IIIquality. 40mm Electrode A-I class armature A-III class armature Tool consumables	GEL m3 sq.m m3 m3 m3 kg ton ton GEL	1,150 1,000 1,890 0,0037 0,0168 0,0040 3,400 with project with project 0,760	1,472 1,280 2,419 0,005 0,022 0,005 4,352 0,052 0,149 0,973		
30	6-15-4.	Mon. reinforced concrete crossbar mc-6 (1 unit) Labour resources Vehicles Concrete ~B25~ Frame board Frame plank II quality. 25-32mm The same, IIquality. 40mm and more Frame plank IIIquality. 40mm Electrode A-I class armature A-III class armature Tool consumables	m3 p.p/hr GEL m3 sq.m m3 m3 m3 kg ton ton GEL	10,600 1,150 1,000 1,890 0,0037 0,0168 0,0040 3,400 with project with project 0,760	1,580 16,748 1,817 1,580 2,986 0,006 0,027 0,006 5,372 0,066 0,182 1,201	8,00	133,98
31	6-15-4.	Mon. reinforced concrete crossbar mc-7 (1 unit) Labour resources Vehicles Concrete ~B25~ Frame board Frame plank II quality. 25-32mm The same, IIquality. 40mm and more Frame plank IIIquality. 40mm Electrode A-I class armature A-III class armature Tool consumables	m3 p.p/hr GEL m3 sq.m m3 m3 m3 kg ton ton GEL	10,600 1,150 1,000 1,890 0,0037 0,0168 0,0040 3,400 with project with project 0,760	5,860 62,116 6,739 5,860 11,075 0,022 0,098 0,023 19,924 0,473 0,853 4,454	8,00	496,93
32	6-15-4.	Mon. reinforced concrete crossbar mc-8 (1 unit)	m3		6,540		

1'	2'	3'	4'	5'	6'	7'	8'
		Labour resources Vehicles Concrete ~B25~ Frame board Frame plank II quality. 25-32mm The same, IIquality. 40mm and more Frame plank IIIquality. 40mm Electrode A-I class armature A-III class armature Tool consumables	p.p/hr GEL m3 sq.m m3 m3 m3 m3 kg ton ton GEL	10,600 1,150 1,000 1,890 0,0037 0,0168 0,0040 3,400 with project with project 0,760	69,324 7,521 6,540 12,361 0,024 0,110 0,026 22,236 0,287 0,809 4,970	8,00	554,59
33	6-15-4.	Mon. reinforced concrete crossbar mc-9 (1 unit) Labour resources Vehicles Concrete ~B25~ Frame board Frame plank II quality. 25-32mm The same, IIquality. 40mm and more Frame plank IIIquality. 40mm Electrode A-I class armature A-III class armature Tool consumables	m3 p.p/hr GEL m3 sq.m m3 m3 m3 kg ton ton GEL	10,600 1,150 1,000 1,890 0,0037 0,0168 0,0040 3,400 with project with project 0,760	0,640 6,784 0,736 0,640 1,210 0,002 0,011 0,003 2,176 0,031 0,060 0,486	8,00	54,27
34	6-15-4.	Mon. reinforced concrete crossbar mc-10 (1 unit) Labour resources Vehicles Concrete ~B25~ Frame board Frame plank II quality. 25-32mm The same, IIquality. 40mm and more Frame plank IIIquality. 40mm Electrode A-I class armature A-III class armature Tool consumables	m3 p.p/hr GEL m3 sq.m m3 m3 m3 kg ton ton GEL	10,600 1,150 1,000 1,890 0,0037 0,0168 0,0040 3,400 with project with project 0,760	1,280 13,568 1,472 1,280 2,419 0,005 0,022 0,005 4,352 0,052 0,149 0,973	8,00	108,54

1'	2'	3'	4'	5'	6'	7'	8'
35	6-15-4.	Mon. reinforced concrete crossbar mc-11 (1 unit)	m3		10,890		923.47
		Labour resources	p.p/hr	10,600	115,434	8,00	
		Vehicles	GEL	1,150	12,524		
		Concrete ~B25~	m3	1,000	10,890		
		Frame board	sq.m	1,890	20,582		
		Frame plank II quality. 25-32mm	m3	0,0037	0,040		
		The same, IIquality. 40mm and more	m3	0,0168	0,183		
		Frame plank IIIquality. 40mm	m3	0,0040	0,044		
		Electrode	kg	3,400	37,026		
		A-I class armature	ton	with project	0,735		
		A-III class armature	ton	with project	2,970		
		Tool consumables	GEL	0,760	8,276		
36	6-15-4.	Mon. reinforced concrete crossbar mc-13 (4 units)	m3		8,000		678,40
		Labour resources	p.p/hr	10,600	84,800	8,00	
		Vehicles	GEL	1,150	9,200		
		Concrete ~B25~	m3	1,000	8,000		
		Frame board	sq.m	1,890	15,120		
		Frame plank II quality. 25-32mm	m3	0,0037	0,030		
		The same, IIquality. 40mm and more	m3	0,0168	0,134		
		Frame plank IIIquality. 40mm	m3	0,0040	0,032		
		Electrode	kg	3,400	27,200		
		A-I class armature	ton	with project	0,342		
		A-III class armature	ton	with project	0,916		
		Tool consumables	GEL	0,760	6,080		
37	6-15-4.	Mon. reinforced concrete crossbar mc-14 (2 units)	m3		4,760		403,65
		Labour resources	p.p/hr	10,600	50,456	8,00	
		Vehicles	GEL	1,150	5,474		
		Concrete ~B25~	m3	1,000	4,760		
		Frame board	sq.m	1,890	8,996		
		Frame plank II quality. 25-32mm	m3	0,0037	0,018		
		The same, IIquality. 40mm and more	m3	0,0168	0,080		
		Frame plank IIIquality. 40mm	m3	0,0040	0,019		
		Electrode	kg	3,400	16,184		
		A-I class armature	ton	with project	0,205		
		A-III class armature	ton	with project	0,565		

1'	2'	3'	4'	5'	6'	7'	8'
		Tool consumables	GEL	0,760	3,618		
38	6-15-4.	Mon. reinforced concrete crossbar mc-15 (2 units)	m3		2,720		
		Labour resources	p.p/hr	10,600	28,832	8,00	230,66
		Vehicles	GEL	1,150	3,128		
		Concrete ~B25~	m3	1,000	2,720		
		Frame board	sq.m	1,890	5,141		
		Frame plank II quality. 25-32mm	m3	0,0037	0,010		
		The same, IIquality. 40mm and more	m3	0,0168	0,046		
		Frame plank IIIquality. 40mm	m3	0,0040	0,011		
		Electrode	kg	3,400	9,248		
		A-I class armature	ton	with project	0,114		
		A-III class armature	ton	with project	0,319		
		Tool consumables	GEL	0,760	2,067		
39	6-15-4.	Mon. reinforced concrete crossbar mc-16 (1 unit)	m3		4,420		
		Labour resources	p.p/hr	10,600	46,852	8,00	374,82
		Vehicles	GEL	1,150	5,083		
		Concrete ~B25~	m3	1,000	4,420		
		Frame board	sq.m	1,890	8,354		
		Frame plank II quality. 25-32mm	m3	0,0037	0,016		
		The same, IIquality. 40mm and more	m3	0,0168	0,074		
		Frame plank IIIquality. 40mm	m3	0,0040	0,018		
		Electrode	kg	3,400	15,028		
		A-I class armature	ton	with project	0,228		
		A-III class armature	ton	with project	0,518		
		Tool consumables	GEL	0,760	3,359		
40	6-15-4.	Mon. reinforced concrete crossbar mc-17 (1 unit)	m3		5,100		
		Labour resources	p.p/hr	10,600	54,060	8,00	432,48
		Vehicles	GEL	1,150	5,865		
		Concrete ~B25~	m3	1,000	5,100		
		Frame board	sq.m	1,890	9,639		
		Frame plank II quality. 25-32mm	m3	0,0037	0,019		
		The same, IIquality. 40mm and more	m3	0,0168	0,086		
		Frame plank IIIquality. 40mm	m3	0,0040	0,020		
		Electrode	kg	3,400	17,340		
		A-I class armature	ton	with project	0,258		

1'	2'	3'	4'	5'	6'	7'	8'
		A-III class armature Tool consumables	ton GEL	with project 0,760	0,592 3,876		
41	6-15-4.	Mon. reinforced concrete crossbar mc-18 (1 unit)	m3		5,410		
		Labour resources	p.p/hr	10,600	57,346	8,00	458,77
		Vehicles	GEL	1,150	6,222		
		Concrete ~B25~	m3	1,000	5,410		
		Frame board	sq.m	1,890	10,225		
		Frame plank II quality. 25-32mm	m3	0,0037	0,020		
		The same, IIquality. 40mm and more	m3	0,0168	0,091		
		Frame plank IIIquality. 40mm	m3	0,0040	0,022		
		Electrode	kg	3,400	18,394		
		A-I class armature	ton	with project	0,269		
		A-III class armaturea	ton	with project	0,625		
		Tool consumables	GEL	0,760	4,112		
42	6-15-4.	Mon. reinforced concrete crossbar mc-19 (1 unit)	m3		1,280		
		Labour resources	p.p/hr	10,600	13,568	8,00	108,54
		Vehicles	GEL	1,150	1,472		
		Concrete ~B25~	m3	1,000	1,280		
		Frame board	sq.m	1,890	2,419		
		Frame plank II quality. 25-32mm	m3	0,0037	0,005		
		The same, IIquality. 40mm and more	m3	0,0168	0,022		
		Frame plank IIIquality. 40mm	m3	0,0040	0,005		
		Electrode	kg	3,400	4,352		
		A-I class armature	ton	with project	0,052		
		A-III class armature	ton	with project	0,149		
		Tool consumables	GEL	0,760	0,973		
43	6-15-4.	Mon. reinforced concrete crossbar mc-20 (1 unit)	m3		1,280		
		Labour resources	p.p/hr	10,600	13,568	8,00	108,54
		Vehicles	GEL	1,150	1,472		
		Concrete ~B25~	m3	1,000	1,280		
		Frame board	sq.m	1,890	2,419		
		Frame plank II quality. 25-32mm	m3	0,0037	0,005		
		The same, IIquality. 40mm and more	m3	0,0168	0,022		
		Frame plank IIIquality. 40mm	m3	0,0040	0,005		
		Electrode	kg	3,400	4,352		

1'	2'	3'	4'	5'	6'	7'	8'
		A-I class armature	ton	with project	0,052		
		A-III class armature	ton	with project	0,149		
		Tool consumables	GEL	0,760	0,973		
44	6-15-4.	Mon. reinforced concrete crossbar mc-21 (1 unit)	m3		0,640		
		Labour resources	p.p/hr	10,600	6,784	8,00	54,27
		Vehicles	GEL	1,150	0,736		
		Concrete ~B25~	m3	1,000	0,640		
		Frame board	sq.m	1,890	1,210		
		Frame plank II quality. 25-32mm	m3	0,0037	0,002		
		The same, IIquality. 40mm and more	m3	0,0168	0,011		
		Frame plank IIIquality. 40mm	m3	0,0040	0,003		
		Electrode	kg	3,400	2,176		
		A-I class armature	ton	with project	0,031		
		A-III class armature	ton	with project	0,060		
		Tool consumables	GEL	0,760	0,486		
45	6-16-5.	Mon. reinforced concrete staircase #1 (from -0,100 to +3,100level)	m3		3,84		
		Labour resources	p.p/hr	13,900	53,38	8,00	427,01
		Vehicles	GEL	1,280	4,92		
		Concrete ~B25~	m3	1,015	3,90		
		Frame board	sq.m	2,290	8,79		
		Frame plank II quality. 25-32mm	m3	0,0140	0,05		
		The same, IIquality. 40mm and more	m3	0,0429	0,16		
		Frame plank IIIquality. 40mm	m3	0,0020	0,01		
		Electrode	kg	2,500	9,60		
		A-I class armature	ton	with project	0,0082		
		A-III class armature	ton	with project	0,4193		
		Tool consumables	GEL	0,930	3,57		
46	6-16-5.	Mon. reinforced concrete staircase #2 (from -0,100 to +3,100 level)	m3		4,58		
		Labour resources	p.p/hr	13,900	63,66	8,00	509,30
		Vehicles	GEL	1,280	5,86		
		Concrete ~B25~	m3	1,015	4,65		
		Frame board	sq.m	2,290	10,49		
		Frame plank II quality. 25-32mm	m3	0,0140	0,06		
		The same, IIquality. 40mm and more	m3	0,0429	0,20		
		Frame plank IIIquality. 40mm	m3	0,0020	0,01		

1'	2'	3'	4'	5'	6'	7'	8'
		Electrode	kg	2,500	11,45		
		A-I class armature	ton	with project	0,0069		
		A-III class armature	ton	with project	0,3786		
		Tool consumables	GEL	0,930	4,26		
47	6-16-5.	Mon. reinforced concrete staircase #3 (from -0,100 to +2,790 level)	m3		1,97		
		Labour resources	p.p/hr	13,900	27,38	8,00	219,06
		Vehicles	GEL	1,280	2,52		
		Concrete ~B25~	m3	1,015	2,00		
		Frame board	sq.m	2,290	4,51		
		Frame plank II quality. 25-32mm	m3	0,0140	0,03		
		The same, IIquality. 40mm and more	m3	0,0429	0,08		
		Frame plank IIIquality. 40mm	m3	0,0020	0,00		
		Electrode	kg	2,500	4,93		
		A-I class armature	ton	with project	0,0042		
		A-III class armature	ton	with project	0,2056		
		Tool consumables	GEL	0,930	1,83		
48	6-16-5.	Mon. reinforced concrete staircase #4 (from -0,100 to +2,260 level)	m3		1,62		
		Labour resources	p.p/hr	13,900	22,52	8,00	180,14
		Vehicles	GEL	1,280	2,07		
		Concrete ~B25~	m3	1,015	1,64		
		Frame board	sq.m	2,290	3,71		
		Frame plank II quality. 25-32mm	m3	0,0140	0,02		
		The same, IIquality. 40mm and more	m3	0,0429	0,07		
		Frame plank IIIquality. 40mm	m3	0,0020	0,00		
		Electrode	kg	2,500	4,05		
		A-I class armature	ton	with project	0,0033		
		A-III class armature	ton	with project	0,1697		
		Tool consumables	GEL	0,930	1,51		
		Roofing constructions					
49	9-11-7.	Roofing metal elements	ton		1,690		
		Labour resources	p.p/hr	24,600	41,580	8,00	332,64
		Vehicles	GEL	0,950	1,606		
	Code0438	Gantry crane of 30 tones	w/hr	0,59	0,997		
	Code0489	Crane on caterpillar movement of 25 tones	w/hr	1,22	2,062		
		Construction cost	ton		1,690		

1'	2'	3'	4'	5'	6'	7'	8'
		Installation elements	kg	0,2	0,338		
		Bolts	kg	20,400	34,481		
		Tool consumables	GEL	2,780	4,699		
50	10-11-1.	Roofing wood constructions	m3		24,15		
		Labour resources	p.p/hr	23,800	574,770	8,00	4598,16
		Vehicles	GEL	2,100	50,715		
		Dry wood material	m3	1,00	24,150		
		Nail	kg	7,2	173,880		
		Wire rod	kg	4,38	105,777		
		Roofing felt	sq.m	3,38	81,627		
		Antiseptic paste	kg	1,96	47,334		
		Tool consumables	GEL	3,440	83,076		
		Architectural part					
		Floor					
51	11-3-1Iss	Floor insulation in the rooms with XPS, 50mm width.	sq.m		503,600		
		Labour resources	p.p/hr	0,312	157,123	8,00	1256,99
		Vehicles	GEL	0,0138	6,950		
	4,1-495	Insulation XPS	sq.m	1,120	564,032		
		Tool consumables	GEL	0,0019	0,957		
52	11-8-1;11-8-2	to lay concrete on the room floors, width 50mm	100 sq.m		5,036		
		Labour resources	p.p/hr	20,840	104,950	8,00	839,60
		Vehicles	GEL	2,330	11,734		
	4,1-370	Concrete solution ~m100~	m3	5,100	25,684		
		Tool consumables	GEL	6,360	32,029		
53	11-20-3.	Tiling wet floor	sq.m		24,100		
		Labour resources	p.p/hr	1,080	26,028	8,00	208,22
		Vehicles	GEL	0,0452	1,089		
	4,1-201	Cement adhesive	kg	5,000	120,500		
	4,1-336	Floor tile	sq.m	1,020	24,582		
		Tool consumables	GEL	0,0466	1,123		
54	11-20-3.	Tiling ceramo granite	sq.m		290,800		
		Labour resources	p.p/hr	1,080	314,064	8,00	2512,51
		Vehicles	GEL	0,0452	13,144		
	4,1-201	Cement adhesive	kg	5,000	1454,000		
	4,1-336	Ceramo granite tiles	sq.m	1,020	296,616		

1'	2'	3'	4'	5'	6'	7'	8'
		Tool consumables	GEL	0,0466	13,551		
55	11-20-3.	Floor tiling with natural stones	sq.m		152,000		
		Labour resources	p.p/hr	1,080	164,160	8,00	1313,28
		Vehicles	GEL	0,0452	6,870		
	4,1-201	Cement adhesive	kg	5,000	760,000		
	4,1-336	Natural stone tiles	sq.m	1,020	155,040		
		Tool consumables	GEL	0,0466	7,083		
56	11-27-7.	linoleum flooring	sq.m		52,000		
		Labour resources	p.p/hr	1,290	67,080	8,00	536,64
		Vehicles	GEL	0,034	1,768		
		Adhesive	kg	0,500	26,000		
		linoleum	sq.m	1,015	52,780		
		Tool consumables	GEL	0,182	9,464		
57	11-20-4.	Mosaic tiling on the perimeter walks	sq.m		182,10		
		Labour resources	p.p/hr	0,983	179,00	8,00	1432,03
		Vehicles	GEL	0,0337	6,14		
		Cement adhesive	kg	6,250	1138,13		
		Mosaic panels	sq.m	1,010	183,92		
		Tool consumables	GEL	0,0497	9,05		
		Walls					
58	8-15-1.	Walls order with thin blocks, width 20sm	m3		56,740		
		Labour resources	p.p/hr	3,360	190,65	8,00	1525,17
		Vehicles	GEL	0,920	52,201		
	4,1-368	Concrete solution ~m50~	m3	0,110	6,241		
	4,1-41	Block 0,92m3	unit	65,000	3688,10		
		Tool consumables	GEL	0,160	9,078		
59	8-5-2.	Order of outer walls with bricks(saS.sirT)	m3		31,530		
		Labour resources	p.p/hr	4,230	133,372	8,00	1066,98
		Vehicles	GEL	0,780	24,593		
		Concrete solution ~m50~	m3	0,230	7,252		
		Brick of simple clay	1000units	0,384	12,108		
		Tool consumables	GEL	0,170	5,360		
60	8-15-1.	Walls order with thin blocks, width 10cm	m3		12,000		
		Labour resources	p.p/hr	3,080	36,96	8,00	295,68
		Vehicles	GEL	0,920	11,040		
	4,1-368	Concrete solution ~m50~	m3	0,110	1,320		
	4,1-40	blocks 0,92kub.m.	unit	130,000	1560,00		

1'	2'	3'	4'	5'	6'	7'	8'
		Tool consumables	GEL	0,160	1,920		
		Ceiling					
61	34-58Iss.	Drywall ceiling arrangement	100 sq.m		3,36		
		Labour resources	p.p/hr	153,00	514,08	8,00	4112,64
		Vehicles	GEL	4,30	14,45		
		Ceiling material(complete)	sq.m	101,00	339,36		
		Other expenses	GEL	6,40	21,50		
62	34-58Iss.	Wood ceiling arrangement	100 sq.m		0,95		
		Labour resources	p.p/hr	153,00	145,35	8,00	1162,80
		Vehicles	GEL	4,30	4,09		
		Ceiling material (complete)	sq.m	101,00	95,95		
		Tool consumables	GEL	6,40	6,08		
63	34-58Iss.	Tool consumables	100 sq.m		0,241		
		Labour resources	p.p/hr	153,00	36,87	8,00	294,98
		Vehicles	GEL	4,30	1,04		
		Ceiling material (complete)	sq.m	101,00	24,34		
		Tool consumables	GEL	6,40	1,54		
64	15-52-1.	Grinding bottom of balcony and roofing with concrete solution	sq.m		182,100		
		Labour resources	p.p/hr	0,930	169,353	8,00	1354,82
		Vehicles	GEL	0,0260	4,735		
		Concrete solution	m3	0,0255	4,644		
	Code1431	Wet mix pump	w/hr	0,024	4,370		
65	15-156-4	Painting bottoms of balcony and roofing with waterproof dye	sq.m		518,100		
		Labour resources	p.p/hr	0,139	72,016	8,00	576,13
		Vehicles	GEL	0,007	3,627		
		Dye	kg	0,690	357,489		
		Filler	kg	0,120	62,172		
		Priming coat	kg	0,1500	77,715		
		Tool consumables	GEL	0,0034	1,762		
		Internal face-works					
66	15-55-9 t.n.3.11	Wall daubing with concrete solution	sq.m		425		
		Labour resources	p.p/hr	1,172	497,930	8,00	3983,44
		Vehicles	GEL	0,027	11,475		
		Concrete solution	m3	0,02499	10,621		
		Wire netting	sq.m	0,0528	22,440		

1'	2'	3'	4'	5'	6'	7'	8'
	Code1430	Solution pump Tool consumables	w/hr GEL	0,04715 0,003	20,039 1,275		
67	15-14-1.	Walls facing with enameled panels Labour resources Vehicles Concrete solution Enameled panels Cement adhesive Tool consumables	sq.m p.p/hr GEL m3 sq.m kg GEL	 1,700 0,020 0,015 1,000 6,3 0,007	 234,94 2,76 2,07 138,20 863,75 0,97	8,00	1879,52
68	15-168-7.	Painting walls with emulsion paint Labour resources Vehicles Dye Filler Other expenses	sq.m p.p/hr GEL kg kg GEL	 0,658 0,010 0,63 0,790 0,016	 279,65 4,25 267,75 335,75 6,80	8,00	2237,20
69	r14-564Iss	Brick toning with special solution Labour resources Vehicles Dye Tool consumables	sq.m p.p/hr GEL kg GEL	 0,132 0,001 0,137 0,0009	 33,000 0,250 34,250 0,225	8,00	264,00
70	r14-564Iss	Concrete wall treatment Labour resources Vehicles Lacquer Tool consumables	sq.m p.p/hr GEL kg GEL	 0,132 0,001 0,137 0,0009	 20,328 0,154 21,098 0,139	8,00	162,62
		Headrooms					
71	9-14-6. 3..-3	Aluminium vitrage cost Labour resources Vehicles Aluminium vitrage arrangement Other expenses	sq.m p.p/hr GEL sq.m GEL	 7,650 0,348 1,000 0,6560	 133,000 1017,450 46,284 133,000 87,248	8,00	8139,60
72	10-20-3Iss 5,1-63	Mdf doors arrangement Labour resources Vehicles Mdf doors (complete)	sq.m p.p/hr GEL sq.m	 1,16 0,13 1,00	 42,10 48,836 5,473 42,100	8,00	390,69

1'	2'	3'	4'	5'	6'	7'	8'
		Tool consumables	GEL	0,0206	0,867		
73	9-5-1.	Metal door arrangement	sq.m		16,100		
		Labour resources	p.p/hr	1,110	17,871	8,00	142,97
		Vehicles	GEL	0,516	8,308		
	1,9-60	Door price	sq.m	1,000	16,100		
		Tool consumables	GEL	0,0540	0,869		
		Façade dressing					
74	15-52-1.	Façade walls daubing with concrete solution	sq.m		283,700		
		Labour resources	p.p/hr	0,930	263,841	8,00	2110,73
		Vehicles	GEL	0,0260	7,376		
		Concrete solution	m3	0,0255	7,234		
	Code1431	Solution pump	w/hr	0,024	6,809		
75	15-13-1Iss	Walls facing with bricks	sq.m		170,90		
		Labour resources	p.p/hr	1,06	181,15	8,00	1449,23
		Vehicles	GEL	0,02	3,42		
	4,1-8	Brick	unit	62,50	10681,25		
	4,1-368	Concrete solution	m3	0,010	1,71		
	4,1-201	Coldoresistant cement adhesive	kg	5,00	854,50		
		Tool consumables	GEL	0,00	0,68		
76	15-156-4	Façade painting with waterproof dye	sq.m		41,800		
		Labour resources	p.p/hr	0,139	5,810	8,00	46,48
		Vehicles	GEL	0,007	0,293		
		Dye	kg	0,690	28,842		
		Filler	kg	0,120	5,016		
		Priming coat	kg	0,1500	6,270		
		Tool consumables	GEL	0,0034	0,142		
77	9-4-6.	Façade dressing with composite panel	sq.m		36,300		
		Labour resources	p.p/hr	0,940	34,122	8,00	272,98
		Vehicles	GEL	0,098	3,550		
		Panel	sq.m	1,0000	34,122		
		Installation elements	kg	0,1900	6,897		
		Tool consumables	GEL	0,0556	2,018		
78	9-4-6.	Façade dressing with composite panel(wood material)	sq.m		48,300		
		Labour resources	p.p/hr	0,940	45,402	8,00	363,22
		Vehicles	GEL	0,098	4,724		
		Panel	sq.m	1,0000	45,402		

1'	2'	3'	4'	5'	6'	7'	8'
		Installation elements	kg	0,1900	9,177		
		Tool consumables	GEL	0,0556	2,685		
79	9-4-6.	Façade dressing with perforated panel	sq.m		17,800		
		Labour resources	p.p/hr	0,940	16,732	8,00	133,86
		Vehicles	GEL	0,098	1,741		
		Panel	sq.m	1,0000	16,732		
		Installation elements	kg	0,1900	3,382		
		Tool consumables	GEL	0,0556	0,990		
		Roofing					
80	26-8-9.	Roofing insulation with rock wool, width 5cm	m3		50,863		
		Labour resources	p.p/hr	11,400	579,833	8,00	4638,66
		Vehicles	GEL	1,080	54,932		
	4,1-479	Rock wool	m3	1,020	51,880		
81	12-8-5.	Roof arrangement with metal roof tiles	sq.m		508,625		
		Labour resources	p.p/hr	0,830	422,159	8,00	3377,27
		Vehicles	GEL	0,004	2,085		
		Metal roof tiles	sq.m	1,020	518,798		
		Tool consumables	GEL	0,078	39,673		
82	12-8-4.	Drain pipe arrangement	100m		1,14		
		Labour resources	p.p/hr	28,600	32,604	8,00	260,83
		Vehicles	GEL	0,410	0,467		
		Galvanized tin sheet	ton	0,230	0,262		
		Nail	kg	3,8000	4,332		
		Bolts	kg	3,8000	4,332		
		Forged	kg	1,690	1,927		
		Funnel	unit	proeqtiT	4,000		
		Different works					
83	15-12-1.	Stairs facing with basalt	sq.m		45,000		
		Labour resources	p.p/hr	5,750	258,750	8,00	2070,00
		Vehicles	GEL	0,003	0,153		
		Basalt panel	sq.m	1,010	45,450		
		Concrete solution	m3	0,002	0,090		
		Tool consumables	GEL	0,024	1,080		
84	7-58-4	Metal balustrade arrangement	length meter.		91,100		

1'	2'	3'	4'	5'	6'	7'	8'
		Labour resources	p.p/hr	0,379	34,527	8,00	276,22
		Vehicles	GEL	0,028	2,551		
		Metal balustrade	length meter.	1,000	91,100		
		Concrete ~m300~	ton	0,0015	0,137		
85	15-164-8	Metal balustrade painting	sq.m		91,10		
		Labour resources	p.p/hr	0,68	61,95	8,00	495,584
		Vehicles	GEL	0,0003	0,03		
		Red-lead cement	kg	0,251	22,87		
		Pulverized paint	kg	0,002	0,18		
		Drying oil	kg	0,027	2,46		
		Tool consumables	GEL	0,0019	0,17		
		Sum					78610,07
		Installation way-bill expenses	percent		10,00		7861,01
		Profit	percent		8,00		6288,81
		Sum A					92759,89

Total cost
Salary

425546,58
78610,07

GEL
GEL

Material		Mechanisms		Sum
Per unit price	All	Per unit price	All	
9'	10'	11'	12'	13'
		58,00	3898,31	160,14 3898,31
				1800,00
		43,00	336,59	336,59
				747,00
		7,00	15708	15708,00
		3,20	73,07	732,07 73,07
112,00	2012,14			2012,14
26,00	570,65			570,65
600,00	146,56			146,56
1650,00	1039,50			1039,50
1510,00	2989,80			2989,80

9'	10'	11'	12'	13'
5,20	27,61			27,61
				263,05
		3,20	26,25	26,25
112,00	723,00			723,00
26,00	205,05			205,05
600,00	52,66			52,66
1650,00	336,60			336,60
1510,00	1050,96			1050,96
5,20	9,92			9,92
				43,84
		3,20	4,38	4,38
112,00	120,50			120,50
26,00	34,17			34,17
600,00	8,78			8,78
1650,00	55,51			55,51
1510,00	175,37			175,37
5,20	1,65			1,65
				341,63
		3,20	34,10	34,10
112,00	939,00			939,00
26,00	266,30			266,30
600,00	68,39			68,39
1650,00	669,90			669,90
1510,00	1458,66			1458,66
5,20	12,89			12,89
				5137,94
		3,20	169,17	169,17
112,00	4893,28			4893,28
20,00	2149,55			2149,55
450,00	314,57			314,57

9'	10'	11'	12'	13'
450,00	137,62			137,62
3,20	461,37			461,37
1650,0	1204,71			1204,71
1510,0	3436,29			3436,29
5,20	0,00			0,00
				2052,96
		3,20	79,19	79,19
112,00	3472,92			3472,92
20,00	837,07			837,07
450,00	115,48			115,48
450,00	351,94			351,94
450,00	35,74			35,74
1510,0	3444,16			3444,16
5,20	61,96			61,96
				2377,54
		3,20	91,70	91,70
112,00	4022,00			4022,00
10,00	484,71			484,71
450,00	133,74			133,74
450,00	407,58			407,58
5,20	0,48			0,48
1650,0	125,28			125,28
1510,0	6773,50			6773,50
5,20	71,75			71,75
				329,19
		3,20	39,69	39,69
112,00	723,00			723,00
10,00	61,06			61,06
450,00	52,95			52,95
450,00	3,15			3,15
3,20	30,53			30,53

9'	10'	11'	12'	13'
1650,0	574,20			574,20
1510,0	1537,30			1537,30
5,20	9,59			9,59
				27,43
		3,20	3,31	3,31
112,00	60,25			60,25
20,00	10,18			10,18
450,00	4,41			4,41
450,00	0,26			0,26
3,20	2,54			2,54
1650,0	48,35			48,35
1510,0	128,11			128,11
5,20	0,80			0,80
				201,86
		3,20	24,34	24,34
112,00	443,35			443,35
10,00	37,44			37,44
450,00	32,47			32,47
450,00	1,93			1,93
3,20	18,72			18,72
1650,0	326,70			326,70
1510,0	750,35			750,35
5,20	5,88			5,88
				57,97
		3,20	6,99	6,99
112,00	127,32			127,32
10,00	10,75			10,75
450,00	9,32			9,32
450,00	0,55			0,55
3,20	5,38			5,38
1650,0	99,00			99,00
1510,0	216,44			216,44

9'	10'	11'	12'	13'
5,20	1,69			1,69
				50,72
		3,20	6,12	6,12
112,00	111,41			111,41
10,00	9,41			9,41
450,00	8,16			8,16
450,00	0,49			0,49
3,20	4,70			4,70
1650,0	91,67			91,67
1510,0	240,72			240,72
5,20	1,48			1,48
				335,40
		3,20	40,44	40,44
112,00	736,65			736,65
20,00	124,42			124,42
450,00	53,95			53,95
450,00	3,21			3,21
3,20	31,10			31,10
1650,0	373,33			373,33
1510,0	552,30			552,30
5,20	9,77			9,77
				130,44
		3,20	15,72	15,72
112,00	286,47			286,47
20,00	48,38			48,38
450,00	20,98			20,98
450,00	1,25			1,25
3,20	12,10			12,10
1650,0	216,22			216,22
1510,0	485,31			485,31
5,20	3,80			3,80

9'	10'	11'	12'	13'
				32,61
		3,20	3,93	3,93
112,00	71,62			71,62
20,00	12,10			12,10
450,00	5,24			5,24
450,00	0,31			0,31
3,20	3,02			3,02
1650,0	54,25			54,25
1510,0	121,33			121,33
5,20	0,95			0,95
				86,96
		3,20	10,48	10,48
112,00	190,98			190,98
20,00	32,26			32,26
450,00	13,99			13,99
450,00	0,83			0,83
3,20	8,06			8,06
1650,0	179,78			179,78
1510,0	338,30			338,30
5,20	2,53			2,53
				52,80
		3,20	6,36	6,36
112,00	115,95			115,95
20,00	19,58			19,58
450,00	8,49			8,49
450,00	0,50			0,50
3,20	4,90			4,90
1650,0	94,71			94,71
1510,0	197,99			197,99
5,20	1,54			1,54

9'	10'	11'	12'	13'
				7,25
		3,20	0,87	0,87
112,00	15,92			15,92
20,00	2,69			2,69
450,00	1,17			1,17
450,00	0,07			0,07
3,20	0,67			0,67
1650,0	16,50			16,50
1510,0	33,30			33,30
5,20	0,21			0,21
				7,76
		3,20	0,94	0,94
112,00	17,05			17,05
20,00	2,88			2,88
450,00	1,25			1,25
450,00	0,07			0,07
3,20	0,72			0,72
1650,0	12,01			12,01
1510,0	35,53			35,53
5,20	0,23			0,23
				149,25
		3,20	6,48	6,48
112,00	197,12			197,12
20,00	66,53			66,53
450,00	2,93			2,93
450,00	13,31			13,31
450,00	3,17			3,17
3,20	19,15			19,15
1650,00	126,06			126,06
1510,00	353,19			353,19
5,20	6,96			6,96
				184,86
		3,20	8,02	8,02

9'	10'	11'	12'	13'
112,00	244,16			244,16
20,00	82,40			82,40
450,00	3,63			3,63
450,00	16,48			16,48
450,00	3,92			3,92
3,20	23,72			23,72
1650,00	173,09			173,09
1510,00	373,42			373,42
5,20	8,62			8,62
				217,09
		3,20	9,42	9,42
112,00	286,72			286,72
20,00	96,77			96,77
450,00	4,26			4,26
450,00	19,35			19,35
450,00	4,61			4,61
3,20	27,85			27,85
1650,00	173,09			173,09
1510,00	373,42			373,42
5,20	10,12			10,12
				401,95
		3,20	17,44	17,44
112,00	530,88			530,88
20,00	179,17			179,17
450,00	7,89			7,89
450,00	35,83			35,83
450,00	8,53			8,53
3,20	51,57			51,57
1650,00	327,20			327,20
1510,00	823,10			823,10
5,20	18,73			18,73
				108,54

9'	10'	11'	12'	13'
		3,20	4,71	4,71
112,00	143,36			143,36
20,00	48,38			48,38
450,00	2,13			2,13
450,00	9,68			9,68
450,00	2,30			2,30
3,20	13,93			13,93
1650,00	86,46			86,46
1510,00	224,99			224,99
5,20	5,06			5,06
		3,20	5,81	133,98
112,00	176,96			5,81
20,00	59,72			176,96
450,00	2,63			59,72
450,00	11,94			2,63
450,00	2,84			11,94
3,20	17,19			2,84
1650,00	109,07			17,19
1510,00	274,37			109,07
5,20	6,24			274,37
		3,20	21,56	496,93
112,00	656,32			21,56
20,00	221,51			656,32
450,00	9,76			221,51
450,00	44,30			9,76
450,00	10,55			44,30
3,20	63,76			10,55
1650,00	780,12			63,76
1510,00	1288,33			780,12
5,20	23,16			1288,33
				23,16

9'	10'	11'	12'	13'
				554,59
		3,20	24,07	24,07
112,00	732,48			732,48
20,00	247,21			247,21
450,00	10,89			10,89
450,00	49,44			49,44
450,00	11,77			11,77
3,20	71,16			71,16
1650,00	474,05			474,05
1510,00	1221,44			1221,44
5,20	25,85			25,85
				54,27
		3,20	2,36	2,36
112,00	71,68			71,68
20,00	24,19			24,19
450,00	1,07			1,07
450,00	4,84			4,84
450,00	1,15			1,15
3,20	6,96			6,96
1650,00	50,82			50,82
1510,00	90,00			90,00
5,20	2,53			2,53
				108,54
		3,20	4,71	4,71
112,00	143,36			143,36
20,00	48,38			48,38
450,00	2,13			2,13
450,00	9,68			9,68
450,00	2,30			2,30
3,20	13,93			13,93
1650,00	86,46			86,46
1510,00	224,99			224,99
5,20	5,06			5,06

9'	10'	11'	12'	13'
				923,47
		3,20	40,08	40,08
112,00	1219,68			1219,68
20,00	411,64			411,64
450,00	18,13			18,13
450,00	82,33			82,33
450,00	19,60			19,60
3,20	118,48			118,48
1650,00	1212,09			1212,09
1510,00	4484,10			4484,10
5,20	43,04			43,04
				678,40
		3,20	29,44	29,44
112,00	896,00			896,00
20,00	302,40			302,40
450,00	13,32			13,32
450,00	60,48			60,48
450,00	14,40			14,40
3,20	87,04			87,04
1650,00	564,30			564,30
1510,00	1383,16			1383,16
5,20	31,62			31,62
				403,65
		3,20	17,52	17,52
112,00	533,12			533,12
20,00	179,93			179,93
450,00	7,93			7,93
450,00	35,99			35,99
450,00	8,57			8,57
3,20	51,79			51,79
1650,00	338,58			338,58
1510,00	852,55			852,55

9'	10'	11'	12'	13'
5,20	18,81			18,81
				230,66
		3,20	10,01	10,01
112,00	304,64			304,64
20,00	102,82			102,82
450,00	4,53			4,53
450,00	20,56			20,56
450,00	4,90			4,90
3,20	29,59			29,59
1650,00	188,10			188,10
1510,00	481,39			481,39
5,20	10,75			10,75
				374,82
		3,20	16,27	16,27
112,00	495,04			495,04
20,00	167,08			167,08
450,00	7,36			7,36
450,00	33,42			33,42
450,00	7,96			7,96
3,20	48,09			48,09
1650,00	376,20			376,20
1510,00	781,58			781,58
5,20	17,47			17,47
				432,48
		3,20	18,77	18,77
112,00	571,20			571,20
20,00	192,78			192,78
450,00	8,49			8,49
450,00	38,56			38,56
450,00	9,18			9,18
3,20	55,49			55,49
1650,00	425,04			425,04

9'	10'	11'	12'	13'
1510,00 5,20	893,47 20,16			893,47 20,16
				458,77 19,91
112,00 20,00 450,00 450,00 450,00 3,20 1650,00 1510,00 5,20	605,92 204,50 9,01 40,90 9,74 58,86 443,85 943,75 21,38	3,20	19,91	605,92 204,50 9,01 40,90 9,74 58,86 443,85 943,75 21,38
				108,54 4,71
112,00 20,00 450,00 450,00 450,00 3,20 1650,00 1510,00 5,20	143,36 48,38 2,13 9,68 2,30 13,93 86,46 224,99 5,06	3,20	4,71	143,36 48,38 2,13 9,68 2,30 13,93 86,46 224,99 5,06
				108,54 4,71
112,00 20,00 450,00 450,00 450,00 3,20	143,36 48,38 2,13 9,68 2,30 13,93	3,20	4,71	143,36 48,38 2,13 9,68 2,30 13,93

9'	10'	11'	12'	13'
1650,00	85,80			85,80
1510,00	224,99			224,99
5,20	5,06			5,06
				54,27
		3,20	2,36	2,36
112,00	71,68			71,68
20,00	24,19			24,19
450,00	1,07			1,07
450,00	4,84			4,84
450,00	1,15			1,15
3,20	6,96			6,96
1650,00	50,82			50,82
1510,00	90,00			90,00
5,20	2,53			2,53
				427,01
		3,20	15,73	15,73
112,00	436,53			436,53
20,00	175,87			175,87
450,00	24,19			24,19
450,00	74,13			74,13
450,00	3,46			3,46
3,20	30,72			30,72
1650,00	13,51			13,51
1510,00	633,13			633,13
5,20	18,57			18,57
				509,30
		3,20	18,76	18,76
112,00	520,65			520,65
20,00	209,76			209,76
450,00	28,85			28,85
450,00	88,42			88,42
450,00	4,12			4,12

9'	10'	11'	12'	13'
3,20	36,64			36,64
1650,00	11,39			11,39
1510,00	571,66			571,66
5,20	22,15			22,15
				219,06
		3,20	8,07	8,07
112,00	223,95			223,95
20,00	90,23			90,23
450,00	12,41			12,41
450,00	38,03			38,03
450,00	1,77			1,77
3,20	15,76			15,76
1650,00	6,91			6,91
1510,00	310,47			310,47
5,20	9,53			9,53
				180,14
		3,20	6,64	6,64
112,00	184,16			184,16
20,00	74,20			74,20
450,00	10,21			10,21
450,00	31,27			31,27
450,00	1,46			1,46
3,20	12,96			12,96
1650,00	5,40			5,40
1510,00	256,20			256,20
5,20	7,83			7,83
				332,64
		3,20	5,14	5,14
		28,00	27,92	27,92
		35,00	72,17	72,17
2000,0	3380,50			3380,50

9'	10'	11'	12'	13'
3,2 3,00 5,20	1,08 103,44 24,43			1,08 103,44 24,43
700,00 4,00 3,00 2,00 8,0 5,20	16905,00 695,52 317,33 163,25 378,67 432,00	3,20	162,29	4598,16 162,29 16905,00 695,52 317,33 163,25 378,67 432,00
5,00 5,20	2820,16 4,98	3,20	22,24	1256,99 22,24 2820,16 4,98
87,00 5,20	2234,47 166,55	3,20	37,55	839,60 37,55 2234,47 166,55
1,50 14,00 5,20	180,75 344,15 5,84	3,20	3,49	208,22 3,49 180,75 344,15 5,84
1,50 15,00	2181,00 4449,24	3,20	42,06	2512,51 42,06 2181,00 4449,24

9'	10'	11'	12'	13'
5,20	70,47			70,47
				1313,28
		3,20	21,99	21,99
1,50	1140,00			1140,00
15,00	2325,60			2325,60
5,20	36,83			36,83
				536,64
		3,20	5,66	5,66
1,50	39,00			39,00
14,00	738,92			738,92
5,20	49,21			49,21
				1432,03
		3,20	19,64	19,64
1,50	1707,19			1707,19
3,00	551,76			551,76
5,20	47,06			47,06
				1525,17
		3,20	167,04	167,04
110,00	686,55			686,55
3,00	11064,30			11064,30
5,20	47,21			47,21
				1066,98
		3,20	78,70	78,70
110,00	797,71			797,71
0,90	10,90			10,90
5,20	27,87			27,87
				295,68
		3,20	35,33	35,33
110,00	145,20			145,20
2,80	4368,00			4368,00

9'	10'	11'	12'	13'
5,20	9,98			9,98
				4112,64
		3,20	46,23	46,23
16,00	5429,76			5429,76
5,20	111,82			111,82
				1162,80
		3,20	13,07	13,07
16,00	1535,20			1535,20
5,20	31,62			31,62
				294,98
		3,20	3,32	3,32
23,50	572,01			572,01
5,20	8,02			8,02
				1354,82
		3,20	15,15	15,15
110,00	510,79			510,79
		10,00	43,70	43,70
				576,13
		3,20	11,61	11,61
14,00	5004,85			5004,85
25,00	1554,30			1554,30
8,50	660,58			660,58
5,20	9,16			9,16
				3983,44
		3,20	36,72	36,72
100,00	1062,08			1062,08
6,00	134,64			134,64

9'	10'	11'	12'	13'
		13,00	260,50	260,50
5,20	6,63			6,63
		3,20	8,84	1879,52
110,00	228,03			8,84
12,00	1658,40			228,03
2,00	1727,50			1658,40
5,20	5,03			1727,50
		3,20	13,60	2237,20
5,00	1338,75			13,60
2,00	671,50			1338,75
5,20	35,36			671,50
		3,20	0,80	264,00
10,50	359,63			0,80
5,20	1,17			359,63
		3,20	0,49	162,62
8,50	179,33			0,49
5,20	0,72			179,33
				0,72
		3,20	148,11	8139,60
210,00	27930,00			148,11
5,20	453,69			27930,00
		3,20	17,51	390,69
135,00	5683,5			17,51
				5683,50

9'	10'	11'	12'	13'
5,20	4,51			4,51
				142,97
		3,20	26,58	26,58
235,00	3783,50			3783,50
5,20	4,52			4,52
				2110,73
		3,20	23,60	23,60
110,00	795,78			795,78
		10,00	68,09	68,09
				1449,23
		3,20	10,94	10,94
0,60	6408,75			6408,75
110,00	187,99			187,99
1,50	1281,75			1281,75
5,20	3,55			3,55
				46,48
		3,20	0,94	0,94
14,00	403,79			403,79
12,50	62,70			62,70
5,00	31,35			31,35
5,20	0,74			0,74
				272,98
		3,20	11,36	11,36
140,00	4777,08			4777,08
8,00	55,18			55,18
5,20	10,50			10,50
				363,22
		3,20	15,12	15,12
140,00	6356,28			6356,28

9'	10'	11'	12'	13'
5,00	45,89			45,89
5,20	13,96			13,96
				133,86
		3,20	5,57	5,57
150,00	2509,80			2509,80
5,00	16,91			16,91
5,20	5,15			5,15
				4638,66
		3,20	175,78	175,78
45,00	2334,59			2334,59
				3377,27
		3,20	6,67	6,67
25,00	12969,94			12969,94
5,20	206,30			206,30
				260,83
		3,20	1,50	1,50
2100,00	550,62			550,62
6,00	25,99			25,99
5,00	21,66			21,66
5,20	10,02			10,02
15,00	60,00			60,00
				2070,00
		3,20	0,49	0,49
35,00	1590,75			1590,75
90,00	8,10			8,10
5,20	5,62			5,62

9'	10'	11'	12'	13'
				276,22
		3,20	8,16	8,16
40,00	3644,00			3644,00
170,00	23,23			23,23
				495,58
		3,20	0,09	0,09
25,00	571,65			571,65
47,00	8,56			8,56
16,00	39,36			39,36
5,20	0,90			0,90
	259449,39		22573,23	360632,69
	25944,94		2257,32	36063,27
	20755,95		1805,86	28850,62
	306150,28		26636,41	425546,58

Construction of the Regional Educational and Consultation Apicultural Centre

B Internal water supply, sanitary equipment

#	Basis	Name of work	Dimension	Resource		Labour	
				Per unit	All	Per unit price	All
1'	2'	3'	4'	5'	6'	7'	8'
Cold water							
1	16-24-4.	Polyethylene pipe PN-10 d-32	length meter		8,000		87,36
		Labour resources	p.p./hr	1,560	12,480	7,00	
	Vehicles	GEL	0,0217	0,174			
	2,6-3	Pipe price d=32mm	length meter	0,937	7,496		
		Clinches	kg.	with project	1,000		
		Tool consumables	GEL	0,0708	0,566		
2	16-24-4.	Pipe Ø40*5,5mm PN 20	length meter		24,000		262,08
		Labour resources	p.p./hr	1,560	37,440	7,00	
	Vehicles	GEL	0,0217	0,521			
	2,6-3	Pipe price d=40mm	length meter	0,937	22,488		
		Clinches	kg.	with project	1,000		
		Tool consumables	GEL	0,0708	1,699		
3	16-24-4.	Pipe Ø32*4,4mmPN 20	length meter		16,000		174,72
		Labour resources	p.p./hr	1,560	24,960	7,00	
	Vehicles	GEL	0,0217	0,347			
	2,6-3	Pipe price d=32mm	length meter	0,937	14,992		
		Clinches	kg.	with project	1,000		
		Tool consumables	GEL	0,0708	1,133		
4	16-24-4.	Pipe Ø25*4,4mmPN 20	length meter		56,000		611,52
		Labour resources	p.p./hr	1,560	87,360	7,00	
	Vehicles	GEL	0,0217	1,215			
	2,6-3	Pipe price d=25mm	length meter	0,937	52,472		
		clinches	kg.	with project	2,000		

1'	2'	3'	4'	5'	6'	7'	8'
		Tool consumables	GEL	0,0708	3,965		
5	16-24-4.	Pipe Ø20*4,4mm PN 20	length meter		60,000		655,20
		Labour resources	p.p./hr	1,560	93,600	7,00	
		Vehicles	GEL	0,0217	1,302		
	2,6-3	Pipe price d=20mm	length meter	0,937	56,220		
		Clinches	kg.	with project	2,000		
		Tool consumables	GEL	0,0708	4,248		
6	Market	Pipe lagging	length meter		156,00		936,00
		Labour resources	length meter	1,00	156,00	6,00	
		Pipe boxing d=40	length meter	with project	24,00		
		Pipe boxing d=32	length meter	with project	16,00		
		Pipe boxing d=25	length meter	with project	56,00		
		Pipe boxing d=20	length meter	with project	60,00		
7	22-23-1Iss	Figured parts arrangement	units		201,00		547,32
		Labour resources	p.p./hr	0,389	78,19	7,00	
		Vehicles	GEL	0,151	30,35		
	6..-518	Polyethylene joint PN-10 900 d-90	units	with project	4,0		
	6..-517	40/25/40 Trident	units	with project	2,0		
	6..-516	32/25/32 Trident	units	with project	2,0		
	6..-516	25mm Trident	units	with project	4,0		
	6..-793	25/20/25 Trident	units	with project	18,0		
	6..-792	20mmTrident	units	with project	10,0		
	6..-791	40mm coupler	units	with project	5,0		
	6..-59	32mm coupler	units	with project	3,0		
	6..-58	25mm coupler	units	with project	16,0		
	6..-57	20mm coupler	units	with project	12,0		
	6..-415	40mm joint 900	units	with project	8,0		
	6..-413	32mm joint 450	units	with project	2,0		
		25mm joint 900	units	with project	32,0		
	6..-225	25mm joint 450	units	with project	4,0		
	6..-224	20mm joint 900	units	with project	36,0		
	6..-223	40-32mm adapter	units	with project	1,0		
	6..-639	32-25mm adapter	units	with project	1,0		
	6..-638	25-20mm adapter	units	with project	10,0		
	6..-637	20 1/2" joint In.l	units	with project	21,0		

1'	2'	3'	4'	5'	6'	7'	8'
	6..-638 6..-637	20 1/2" Installation joint In.l დუბლი Rubber hose pipe for toilet bowl Rubber hose pipe for urinal Tool consumables	units units units GEL	with project with project with project 0,024	2,0 7,0 1,0 4,82		
8	16-12-1.	Globe valves arrangement Labour resources Vehicles 40mm Spherical globe valve 25mm Spherical globe valve Arko globe valve 1/2-1/2 (for lavatory bowland urinal) Arko globe valve 1/2-3/8 or 1/2- 1/2(washbasin, shell Tool consumables	units p.p./hr GEL units units units units GEL	 1,500 0,130 with project with project with project with project 0,070	30,000 45,000 3,900 1,000 8,000 8,000 13,000 2,100	7,00	315,00
9	17-3-3.	Mixer arrangement for shower room Labour resources Vehicles Mixer price Tool consumables	units p.p./hr GEL units GEL	 0,820 0,010 1,000 0,070	2,000 1,640 0,020 2,000 0,140	7,0	11,48
10	17-3-3.	Mixer arrangement for shell Labour resources Vehicles Mixer price Tool consumables	units p.p./hr GEL units GEL	 0,820 0,010 1,000 0,070	7,000 5,740 0,070 7,000 0,490	7,0	40,18
11	17-3-3.	Mixer arrangement for washbasin Labour resources Vehicles Mixer price Tool consumables	units p.p./hr GEL units GEL	 0,820 0,010 1,000 0,070	8,000 6,560 0,080 8,000 0,560	7,00	45,92
		Hot water					
12	16-24-4. 2,6-3	Glass fibre-reinforced pipe Ø25*3,5mmPN 20 Labour resources Vehicles Pipe price d=25mm Clinches Tool consumables	length meter p.p./hr GEL length meter kg. GEL	 1,560 0,0217 0,937 with project 0,0708	64,000 99,840 1,389 59,968 2,000 4,531	7,00 6,00	698,88

1'	2'	3'	4'	5'	6'	7'	8'
17	17-3-3.	Water-heating with volume of V-100 litre Labour resources Vehicles Cost Tool consumables	units p.p./hr GEL units GEL	 0,820 0,010 1,000 0,070	1,000 0,820 0,010 1,000 0,070	 7,0 	 5,74
Sewerage							
18	16-8-5.	200mm steel thick-walled pipe Labour resources Vehicles Pipe price d=200mm Tool consumables	length meter p.p./hr GEL length meter GEL	 1,600 0,1480 1,000 0,1280	8,000 12,800 1,184 8,000 1,024	 7,00 	 89,60
19	16-6-2.	Plastic sewerage pipes Ø=100mm Labour resources Vehicles Plastic pipe. Sewerage Ø=100mm Pipe clinches Tool consumables	length meter p.p./hr GEL length meter kg GEL	 0,583 0,0046 1,000 0,235 0,208	70,700 41,218 0,325 70,700 16,615 14,706	 7,00 	 288,53
20	16-6-1.	Plastic sewerage pipes Ø=50mm Labour resources Vehicles Plastic pipe. Sewerage Ø=50mm Pipe clinches Tool consumables	length meter p.p./hr GEL length meter kg GEL	 0,609 0,0021 1,000 0,140 0,156	71,400 43,483 0,150 71,400 9,996 11,138	 7,00 	 304,38
21	22-23-3. 6..-836 6..-823 6..-899 6..-520 6..-520 6..-836 6..-823 6..-899	Figured arrangement of plastic parts Labour resources Vehicles 100*100 cross 45° 100*100 Trident 45° 100*100 Trident 90° 100*50 cross 45° 100*50 Trident 45° 100*50 Trident 90° 50*50 Trident 45° 50*50 Trident 90°	units p.p./hr GEL units units units units units units units units	 7,880 3,020 with project with project with project with project with project with project with project with project	159,000 1252,920 480,180 4,000 1,000 3,000 1,000 3,000 1,000 8,000 7,000	 7,00 	 8770,44

1'	2'	3'	4'	5'	6'	7'	8'
	6..-520	100*45° Unrolled joint	units	with project	26,000		
	6..-520	100*90° joint	units	with project	6,000		
	6..-6-84	50*90° joint	units	with project	40,000		
	6..-227	50*45° Unrolled joint	units	with project	24,000		
	6..-640	100-50 adapter	units	with project	8,000		
	6..-640	100mm Cup	units	with project	9,000		
	6..-640	50mm Cup	units	with project	13,000		
	6..-640	100 mm audit	units	with project	3,000		
	6..-640	50 mm audit	units	with project	2,000		
		Tool consumables	GEL	0,240	38,160		
22	17-1-9.	Ramp Ø50mm	units		9,000		
		Labour resources	p.p./hr	0,460	4,140	7,00	28,98
		Vehicles	GEL	0,020	0,180		
		trapis Rirebuleba	units	1,000	9,000		
		Tool consumables	GEL	0,110	0,990		
23	17-4-2.	Lavatory bowl with washing tank	units		7,000		
		Labour resources	p.p./hr	3,020	21,140	7,00	147,98
		Vehicles	GEL	0,140	0,980		
		Lavatory bowl price	units	1,000	7,000		
		Tool consumables	GEL	1,320	9,240		
24	17-4-1.	Lavatory bowl with washing tank destined for PWDS	units		1,000		
		Labour resources	p.p./hr	2,440	2,440	8,00	19,52
		Vehicles	GEL	0,130	0,130		
		Lavatory bowl price	units	1,000	1,000		
		Tool consumables	GEL	0,940	0,940		
25	17-1-5.	Shell arrangement	units		7,000		
		Labour resources	p.p./hr	2,190	15,330	7,00	107,31
		Vehicles	GEL	0,070	0,490		
	6..-14	Shell price	units	1,000	7,000		
		Other expenses	GEL	0,370	2,590		
26	17-1-5.	Washbasin arrangement	units		7,000		
		Labour resources	p.p./hr	2,190	15,330	7,00	107,31
		Vehicles	GEL	0,070	0,490		
	6..-14	Washbasin price	units	1,000	7,000		
		Tool consumables	GEL	0,370	2,590		

1'	2'	3'	4'	5'	6'	7'	8'
27	17-1-5.	Washbasin arrangement (PWDS)	units		1,000		
		Labour resources	p.p./hr	2,190	2,190	7,00	15,33
		Vehicles	GEL	0,070	0,070		
	6.-14	Washbasin price	units	1,000	1,000		
		Tool consumables	GEL	0,370	0,370		
28	17-5-1.	Urinal arrangement	komp.		1,000		
		Labour resources	p.p./hr	1,190	1,190	7,00	8,33
		Vehicles	GEL	0,050	0,050		
		Urinal cost	komp.	1,000	1,000		
		Tool consumables	GEL	0,280	0,280		
29	17-1-8.	Shower arrangement	komp.		2,000		
		Labour resources	p.p./hr	1,600	3,200	7,00	22,40
		Vehicles	GEL	0,150	0,300		
		Shower price	komp.	1,000	2,000		
		Tool consumables	GEL	0,400	0,800		
		Sum					16289,57
		Installation way-bill expenses	percent		10,00		1628,96
		Profit	percent		8,00		1303,17
		Sum B					19221,69

Total cost
Salary

36575,19
16289,57

GEL
GEL

Material		Mechanisms		Sum
Per unit price	All	Per unit price	All	
9'	10'	11'	12'	13'
				87,36
		3,20	0,56	0,56
10,00	74,96			74,96
5,00	5,00			5,00
3,20	1,81			1,81
				262,08
		3,20	1,67	1,67
12,00	269,86			269,86
5,00	5,00			5,00
3,20	5,44			5,44
				174,72
		3,20	1,11	1,11
10,00	149,92			149,92
5,00	5,00			5,00
3,20	3,62			3,62
				611,52
		3,20	3,89	3,89
8,00	419,78			419,78
5,00	10,00			10,00

9'	10'	11'	12'	13'
3,20	12,69			12,69
				655,20
		3,20	4,17	4,17
3,20	179,90			179,90
6,20	12,40			12,40
3,20	13,59			13,59
				936,00
5,00	120,00			120,00
2,00	32,00			32,00
1,90	106,40			106,40
2,30	138,00			138,00
				547,32
		3,20	97,12	97,12
2,50	10,00			10,00
2,40	4,80			4,80
1,70	3,40			3,40
1,30	5,20			5,20
0,64	11,52			11,52
1,34	13,40			13,40
2,00	10,00			10,00
1,70	5,10			5,10
2,00	32,00			32,00
2,10	25,20			25,20
2,00	16,00			16,00
0,30	0,60			0,60
1,05	33,60			33,60
0,42	1,68			1,68
0,25	9,00			9,00
0,17	0,17			0,17
0,71	0,71			0,71
0,21	2,10			2,10
0,17	3,57			3,57

9'	10'	11'	12'	13'
0,55	1,10			1,10
0,50	3,50			3,50
0,50	0,50			0,50
3,20	15,44			15,44
				315,00
		3,20	12,48	12,48
45,00	45,00			45,00
11,00	88,00			88,00
8,50	68,00			68,00
8,50	110,50			110,50
3,20	6,72			6,72
				11,48
		3,20	0,06	0,06
120,00	240,00			240,00
3,20	0,45			0,45
				40,18
		3,20	0,22	0,22
50,00	350,00			350,00
3,20	1,57			1,57
				45,92
		3,20	0,26	0,26
35,00	280,00			280,00
3,20	1,79			1,79
				698,88
		3,20	4,44	4,44
6,50	389,8			389,79
6,20	12,4			12,40
3,20	14,5			14,50

9'	10'	11'	12'	13'
				524,16
		3,20	3,33	3,33
3,50	157,4			157,42
4,50	9,0			9,00
3,20	10,9			10,87
				784,00
4,50	288,00			288,00
6,20	297,60			297,60
				438,40
		3,20	77,80	77,80
2,28	11,40			11,40
1,88	22,56			22,56
1,90	9,50			9,50
2,80	33,60			33,60
2,60	36,40			36,40
4,00	40,00			40,00
3,70	88,80			88,80
2,90	69,60			69,60
5,20	10,40			10,40
2,30	64,40			64,40
1,90	7,60			7,60
2,10	16,80			16,80
1,50	19,50			19,50
1,30	5,02			5,02
				241,50
		3,20	9,57	9,57
50,00	400,00			400,00
3,20	48,00			48,00
3,20	5,15			5,15

9'	10'	11'	12'	13'
				5,74
		3,20	0,03	0,03
23,00	23,00			23,00
3,20	0,22			0,22
				89,60
		3,20	3,79	3,79
45,70	365,60			365,60
3,20	3,28			3,28
				288,53
		3,20	1,04	1,04
7,00	494,90			494,90
2,40	39,87			39,87
3,20	47,06			47,06
				304,38
		3,20	0,48	0,48
4,50	321,30			321,30
2,40	23,99			23,99
3,20	35,64			35,64
				8770,44
		3,20	1536,6	1536,58
4,00	16,00			16,00
3,40	3,40			3,40
5,10	15,30			15,30
1,20	1,20			1,20
1,40	4,20			4,20
4,00	4,00			4,00
3,40	27,20			27,20
5,10	35,70			35,70

9'	10'	11'	12'	13'
1,20	31,20			31,20
1,40	8,40			8,40
14,00	560,00			560,00
14,00	336,00			336,00
1,70	13,60			13,60
2,10	18,90			18,90
3,10	40,30			40,30
3,10	9,30			9,30
3,10	6,20			6,20
7,00	267,12			267,12
				28,98
		3,20	0,58	0,58
40,00	360,00			360,00
3,20	3,17			3,17
				147,98
		3,20	3,14	3,14
200,00	1400,00			1400,00
3,20	29,57			29,57
				19,52
		3,20	0,42	0,42
220,00	220,00			220,00
3,20	3,01			3,01
				107,31
		3,20	1,57	1,57
110,00	770,00			770,00
3,20	8,29			8,29
				107,31
		3,20	1,57	1,57
185,00	1295,00			1295,00
3,20	8,29			8,29

9'	10'	11'	12'	13'
				15,33
		3,20	0,22	0,22
200,00	200,00			200,00
3,20	1,18			1,18
				8,33
		3,20	0,16	0,16
150,00	150,00			150,00
3,20	0,90			0,90
				22,40
		3,20	0,96	0,96
350,00	700,00			700,00
3,20	2,56			2,56
	12939,15		1767,20	30995,92
	1293,92		176,72	3099,59
	1035,13		141,38	2479,67
	15268,20		2085,30	36575,19

Construction of the Regional Educational and Consultation Apicultural Centre

C International power supply

#	Basis	Name of work	Dimension	Normative resource		Labour	
				Per unit	All	Per unit price	All
1'	2'	3'	4'	5'	6'	7'	8'
Main distribution board MDB							
1	8-571-1	Power board g/m 1500X600X250 IP 54	unit		1,00		
		Labour resources	p.p./hr	11,00	11,00	8,00	88,00
		Material resources	GEL	31,10	31,10		
		Vehicles	GEL	1,69	1,69		
		Power board g/m1500X600X250 IP 54	complete		1,00		
2	8-82-2Iss	Three-phase busbar system L1,L2,L3 200a	unit		1,00		
		Labour resources	p.p./hr	12,00	12,00	8,00	96,00
		Material resource	GEL	6,64	6,64		
		Vehicles	GEL	0,21	0,21		
		Three-phase busbar system L1,L2,L3 200a	complete		1,00		
3	8-90-3Iss	Grounding neutral busbar system 100a	unit		1,00		
		Labour resources	p.p./hr	7,00	7,00	8,00	56,00
		Material resource	GEL	2,230	2,23		
		Vehicles	GEL	0,26	0,26		
		Grounding neutral busbar system 100a	complete		1,00		
4	8-84-1Iss	Indicator light bulb 220v vault (green)	unit		3,00		

1'	2'	3'	4'	5'	6'	7'	8'
		Labour resources	p.p./hr	1,000	3,00	8,00	24,00
		Material resource	GEL	0,040	0,12		
		Vehicles	GEL	0,01	0,03		
		Indicator light bulb 220volt (green)	unit		3,00		
5	8-84-1Iss	Indicator light bulb 220volt (red)	unit		3,00		
		Labour resources	p.p./hr	1,000	3,00	8,00	24,00
		Material resource	GEL	0,040	0,12		
		Vehicles	GEL	0,01	0,03		
		Indicator light bulb 220volt (red)	unit		3,00		
6	8-529-10	Switch button with fixation	unit		3,00		
		Labour resources	p.p./hr	2,00	6,00	8,00	48,00
		Material resource	GEL	2,27	6,81		
		Vehicles	GEL	0,09	0,27		
		Switch button with fixation	unit		3,00		
7	8-574-42	Contactora 1NO/5KW/AC220,, 1NO+1NC by auxillary contact	unit		3,00		
		Labour resources	p.p./hr	2,00	6,00	8,00	48,00
		Material resource	GEL	1,00	3,00		
		Contactora 1NO/5KW/AC220,, 1NO+1NC by auxillary contact	unit		3,00		
8	8-525-1	Motor security automaton 0.25-0.4 A 1 pole	unit		3,00		
		Labour resources	p.p./hr	1,00	3,00		0,00
		Material resource	GEL	1,07	3,21		
		Vehicles	GEL	0,05	0,15		
	8,14-56	Motor security automaton 0.25-0.4 A 1 pole	unit		3,00		
9	8-69-1	Diffusion leakage relay with the function of circuit braker RCCB 25/0.03A/C/6kA 1 pole	unit		2,00		
		Labour resources	p.p./hr	4,00	8,00	8,00	64,00
		Material resource	GEL	0,40	0,80		
		Vehicles	GEL	0,28	0,56		

1'	2'	3'	4'	5'	6'	7'	8'
		Diffusion leakage relay with the function of circuit braker RCCB 25/0.03A/C/6kA 1 pole	unit		2,00		
10	8-525-1	Circuit braker 16a 1pole	unit		7,00		
		Labour resources	p.p./hr	1,00	7,00	8,00	56,00
		Material resource	GEL	1,07	7,49		
		Vehicles	GEL	0,05	0,35		
	8,14-56	Circuit braker 16a 1pole	unit		7,00		
11	8-525-1	Circuit braker 10a 1pole	unit		1,00		
		Labour resources	p.p./hr	1,00	1,00	8,00	8,00
		Material resource	GEL	1,07	1,07		
		Vehicles	GEL	0,05	0,05		
	8,14-56	Circuit braker 10a 1pole	unit		1,00		
12	8-525-1	Circuit braker 25a 1pole	unit		13,00		
		Labour resources	p.p./hr	1,00	13,00		0,00
		Material resource	GEL	1,07	13,91		
		Vehicles	GEL	0,05	0,65		
	8,14-53	Circuit braker 25a 1pole	unit		13,00		
13	8-526-6	Circuit braker 200a 3pole MCCB/25kA	unit		1,00		
		Labour resources	p.p./hr	4,00	4,00	8,00	32,00
		Material resource	GEL	3,65	3,65		
		Vehicles	GEL	0,27	0,27		
		Circuit braker 200a 3pole MCCB/25kA	unit		1,00		
14	8-525-2	Circuit braker 32a 3pole MCB/6kA	unit		1,00		
		Labour resources	p.p./hr	2,00	2,00	8,00	16,00
		Material resource	GEL	1,78	1,78		

1'	2'	3'	4'	5'	6'	7'	8'
		Vehicles Circuit braker 32a 3pole MCB/6kA	GEL unit	0,06 1,00	0,06 1,00		
15	8-525-2	Circuit braker 25a 3pole MCCB/25kA Labour resources Material resource Vehicles Circuit braker 25a 3pole MCCB/25kA	unit p.p./hr GEL GEL unit	2,00 1,78 0,06 1,00	2,00 1,78 0,06 1,00	8,00	16,00
16	8-525-3	Circuit braker 80a 3pole MCCB/25kA Labour resources Material resource Vehicles Circuit braker 80a 3pole MCCB/25kA	unit p.p./hr GEL GEL unit	2,00 2,04 0,07 1,00	2,00 2,04 0,07 1,00	8,00	16,00
17	8-525-2	Circuit braker 10a 3pole MCCB/25kA Labour resources Material resource Vehicles Circuit braker 10a 3pole MCCB/25kA	unit p.p./hr GEL GEL unit	2,00 1,78 0,06 1,00	2,00 1,78 0,06 1,00	8,00	16,00
18	8-574-6	Fuse 160a Labour resources Material resource Fuse 160a	unit p.p./hr GEL unit	0,400 0,320 3,00	3,00 1,200 0,960 3,00	8,00	9,60
19	8-574-6	Fused breaker 160a 3 pole Labour resources Material resource Fused breaker 160a 3 pole	unit p.p./hr GEL unit	0,400 0,320 1,00	1,00 0,400 0,320 1,00	8,00	3,20
20	8-84-1Iss	alarm light bulb (yellow, green, red) to be installed within a board door Labour resources	unit p.p./hr	1,00 3,00	3,00 3,00	8,00	24,00

1'	2'	3'	4'	5'	6'	7'	8'
		Material resource Vehicles alarm light bulb (yellow, green, red)	GEL GEL unit	0,040 0,01	0,12 0,03 3,00		
21	8-69-1	B class discharger 3P+N+PE 400v/100ka Labour resources Material resource Vehicles B class discharger 3P+N+PE 400v/100ka	unit p.p./hr GEL GEL unit	 4,00 0,40 0,28	 1,00 4,00 0,40 0,28 1,00	8,00	32,00
		Distribution board DB 1.2					
22	8-572-4	Cupboard I/m 3X12 on module Labour resources Material resource Vehicles Cupboard I/m 3X12 on module Single apex Cable (Savi) 4mm ² Paralleling busbars 3pole 3/63a	unit p.p./hr GEL GEL unit length meter kb/c	 3,00 2,37 0,79	 1,00 3,00 2,37 0,79 1,00 3,00 19,00	8,00	24,00
23	8-69-1	Photorelay Labour resources Material resource Vehicles Photorelay	unit p.p./hr GEL GEL unit	 4,00 0,40 0,28	 1,00 4,00 0,40 0,28 1,00	8,00	32,00
24	8-84-1Iss	Indicator light bulb 220v/vault (green) Labour resources Material resource Vehicles Indicator light bulb 220v/vault (green)	unit p.p./hr GEL GEL unit	 1,000 0,040 0,01	 11,00 11,00 0,44 0,11 11,00	8,00	88,00
25	8-529-10	Switch button with fixation Labour resources Material resource Vehicles Switch button with fixation	unit p.p./hr GEL GEL unit	 2,00 2,27 0,09	 11,00 22,00 24,97 0,99 11,00	8,00	176,00

1'	2'	3'	4'	5'	6'	7'	8'
26	8-574-42	Contactactor 1NO/5KW/AC220,, 1NO+1NC by auxillary contact	unit		9,00		144,00
		Labour resources	p.p./hr	2,00	18,00	8,00	
		Material resource	GEL	1,00	9,00		
		Contactactor 1NO/5KW/AC220,, 1NO+1NC by auxillary contact	unit		9,00		
27	8-574-42	Contactactor 3P/5,5KW/230VAC	unit		1,00		16,00
		Labour resources	p.p./hr	2,00	2,00	8,00	
		Material resource	GEL	1,00	1,00		
		Contactactor 3P/5,5KW/230VAC	unit		1,00		
28	8-574-42	Contactactor 3P/5,5KW/230VAC	unit		1,00		16,00
		Labour resources	p.p./hr	2,00	2,00	8,00	
		Material resource	GEL	1,00	1,00		
		Contactactor 3P/5,5KW/230VAC	unit		1,00		
29	8-525-1	Motor security automaton 0.63-1.6 A 1 Pole	unit		4,00		32,00
		Labour resources	p.p./hr	1,00	4,00	8,00	
		Material resource	GEL	1,07	4,28		
		Vehicles	GEL	0,05	0,20		
		Motor security automaton 0.63-1.6 A 1 Pole	unit		4,00		
30	8-525-1	Motor security automaton 1.6-2.5 A 1 pole	unit		5,00		40,00
		Labour resources	p.p./hr	1,00	5,00	8,00	
		Material resource	GEL	1,07	5,35		
		Vehicles	GEL	0,05	0,25		
		Motor security automaton 1.6-2.5 A 1 pole	unit		5,00		
31	8-525-1	Motor security automaton 6,3-10,0a 3pole	unit		1,00		8,00
		Labour resources	p.p./hr	1,00	1,00	8,00	
		Material resource	GEL	1,07	1,07		
		Vehicles	GEL	0,05	0,05		

1'	2'	3'	4'	5'	6'	7'	8'
		Motor security automaton 6,3-10,0a 3pole	unit		1,00		
32	8-525-1	Automatic breaker 20a 1pole	unit		1,00		8,00
		Labour resources	p.p./hr	1,00	1,00	8,00	
		Material resource	GEL	1,07	1,07		
	Vehicles	GEL	0,05	0,05			
	8,14-53	Automatic breaker 20a 1pole	unit		1,00		
33	8-525-1	Automatic breaker 25a 1pole	unit		3,00		24,00
		Labour resources	p.p./hr	1,00	3,00	8,00	
		Material resource	GEL	1,07	3,21		
	Vehicles	GEL	0,05	0,15			
	8,14-53	Automatic breaker 25a 1pole	unit		3,00		
34	8-525-2	Automatic breaker 16a 3pole MCCB/25kA	unit		1,00		16,00
		Labour resources	p.p./hr	2,00	2,00	8,00	
		Material resource	GEL	1,78	1,78		
	Vehicles	GEL	0,06	0,06			
		Automatic breaker 16a 3pole MCCB/25kA	unit		1,00		
35	8-525-2	Automatic breaker 32a 3pole MCB/6kA	unit		1,00		16,00
		Labour resources	p.p./hr	2,00	2,00	8,00	
		Material resource	GEL	1,78	1,78		
	Vehicles	GEL	0,06	0,06			
		Automatic breaker 32a 3pole MCB/6kA	unit		1,00		
		Distribution board DB 2,1					
36	8-572-4	Cupboard I/m 3X12 on module	unit		1,00		24,00
		Labour resources	p.p./hr	3,00	3,00	8,00	
		Material resource	GEL	2,37	2,37		
	Vehicles	GEL	0,79	0,79			

1'	2'	3'	4'	5'	6'	7'	8'
		Cupboard I/m 3X12 on module One apex cable (black) 4mm ² Paralleling busbars 3pole 3/63a	unit length meter kb/c		1,00 3,00 12,00		
37	8-84-1Iss	Indicator light bulb 220vault (green) Labour resources Material resource Vehicles Indicator light bulb 220vault (green)	unit p.p./hr GEL GEL unit		2,00 1,000 2,00 0,040 0,01 2,00	8,00	16,00
38	8-84-1Iss	Indicator light bulb 220vault (red) Labour resources Material resource Vehicles Indicator light bulb 220vault (red)	unit p.p./hr GEL GEL unit		2,00 1,000 2,00 0,040 0,01 2,00	8,00	16,00
39	8-529-10	Switch button with fixation Labour resources Material resource Vehicles Switch button with fixation	unit p.p./hr GEL GEL unit		2,00 2,00 4,00 2,27 4,54 0,09 2,00	8,00	32,00
40	8-574-42	Contactator 1NO/5KW/AC220,, 1NO+1NC by auxillary contact Labour resources Material resource Contactator 1NO/5KW/AC220,, 1NO+1NC by auxillary contact	unit p.p./hr GEL unit		2,00 2,00 4,00 1,00 2,00 2,00	8,00	32,00
41	8-525-1	Motor security automaton 0.25-0.4 A 1 pole Labour resources Material resource Vehicles Motor security automaton 0.25-0.4 A 1 pole	unit p.p./hr GEL GEL unit		2,00 1,00 2,00 1,07 2,14 0,05 2,00	8,00	16,00

1'	2'	3'	4'	5'	6'	7'	8'
42	8-69-1	Diffusion leakage relay with the function of circuit braker RCCB 25/0.03A/C/6kA 1 pole	unit		1,00		32,00
		Labour resources	p.p./hr	4,00	4,00	8,00	
		Material resource	GEL	0,40	0,40		
		Vehicles	GEL	0,28	0,28		
		Diffusion leakage relay with the function of circuit braker RCCB 25/0.03A/C/6kA 1 pole	unit		1,00		
43	8-525-1	Automatic breaker 16a 1pole	unit		5,00		40,00
		Labour resources	p.p./hr	1,00	5,00	8,00	
		Material resource	GEL	1,07	5,35		
		Vehicles	GEL	0,05	0,25		
	8,14-53	Automatic breaker 16a 1pole	unit		5,00		
44	8-525-1	Automatic breaker 25a 1pole	unit		4,00		32,00
		Labour resources	p.p./hr	1,00	4,00	8,00	
		Material resource	GEL	1,07	4,28		
		Vehicles	GEL	0,05	0,20		
	8,14-53	Automatic breaker 25a 1pole	unit		4,00		
45	8-525-2	Automatic breaker 25a 3pole MCB/6kA	unit		1,00		16,00
		Labour resources	p.p./hr	2,00	2,00	8,00	
		Material resource	GEL	1,78	1,78		
		Vehicles	GEL	0,06	0,06		
		Automatic breaker 25a 3pole MCB/6kA	unit		1,00		
		Fittings					
46	8-591-2	One key switch	unit		19,0		30,40
		Labour resources	p.p./hr	0,200	3,80	8,00	
		Material resource	GEL	0,083	1,568		
		Vehicles	GEL	0,0005	0,010		

1'	2'	3'	4'	5'	6'	7'	8'
	8,14-14	One key switch	unit		19,0		
47	8-591-10	Two key switch	unit		12,00		
		Labour resources	p.p./hr	0,270	3,240	8,00	25,92
		Material resource	GEL	0,0746	0,895		
		Vehicles	GEL	0,0004	0,005		
	8,14-15	Two key switch	unit		12,00		
48	8-591-2	One key commutator	unit		2,0		
		Labour resources	p.p./hr	0,200	0,40	8,00	3,20
		Material resource	GEL	0,083	0,165		
		Vehicles	GEL	0,0005	0,001		
	8,14-14	One key commutator	unit		2,0		
49	8-591-10	Two key commutator	unit		8,00		
		Labour resources	p.p./hr	0,270	2,160	8,00	17,28
		Material resource	GEL	0,0746	0,597		
		Vehicles	GEL	0,0004	0,003		
	8,14-15	Two key commutator	unit		8,00		
50	8-591-8	Receptacle with grounding contact	unit		99,00		
		Labour resources	p.p./hr	0,340	33,660	8,00	269,28
		Material resource	GEL	0,0937	9,276		
		Vehicles	GEL	0,0113	1,119		
	8,14-237	Receptacle with grounding contact	unit		99,00		
		Illuminators					
51	8-599-1Iss	L 1 Lustre	unit		1,00		
		Labour resources	p.p./hr	0,97	0,97	8,00	7,76
		Material resource	GEL	0,382	0,38		
		Vehicles	GEL	0,349	0,35		
	8,14-211	Illuminator with light bulb	unit		1,00		
52	8-604-1.	L 2 Armstrong type ceiling illuminator	unit		17,000		
		Labour resources	p.p./hr	0,610	10,370	8,00	82,96
		Material resource	GEL	0,337	5,729		
		Vehicles	GEL	0,2450	4,165		
	8,14-193	Illuminator with light bulb	unit	1,000	17,000		
53	8-604-1.	L 3 Hidden ceiling illuminator	unit		23,000		

1'	2'	3'	4'	5'	6'	7'	8'
		Labour resources	p.p./hr	0,610	14,030	8,00	112,24
		Material resource	GEL	0,337	7,751		
		Vehicles	GEL	0,2450	5,635		
	8,14-193	Illuminator with light bulb	unit	1,000	23,000		
54	8-604-1.	L 4 Ceilling illuminator	unit		8,000	8,00	39,04
		Labour resources	p.p./hr	0,610	4,880		
		Material resource	GEL	0,337	2,696		
		Vehicles	GEL	0,2450	1,960		
	8,14-193	Illuminator with light bulb	unit	1,000	8,000		
55	8-604-1.	L 5 Wall illuminator	unit		16,000	8,00	78,08
		Labour resources	p.p./hr	0,610	9,760		
		Material resource	GEL	0,337	5,392		
		Vehicles	GEL	0,2450	3,920		
	8,14-193	Illuminator with light bulb	unit	1,000	16,000		
56	8-604-1.	L 6 Wall illuminator	unit		17,000	8,00	82,96
		Labour resources	p.p./hr	0,610	10,370		
		Material resource	GEL	0,337	5,729		
		Vehicles	GEL	0,2450	4,165		
	8,14-193	Illuminator with light bulb	unit	1,000	17,000		
57	8-604-1.	L 7 Ceilling illuminator with hanging rope	unit		13,000	8,00	63,44
		Labour resources	p.p./hr	0,610	7,930		
		Material resource	GEL	0,337	4,381		
		Vehicles	GEL	0,2450	3,185		
	8,14-193	Illuminator with light bulb	unit	1,000	13,000		
58	8-604-1.	L 8 Ceilling illuminator with hanging rope	unit		35,000	8,00	170,80
		Labour resources	p.p./hr	0,610	21,350		
		Material resource	GEL	0,337	11,795		
		Vehicles	GEL	0,2450	8,575		
	8,14-193	Illuminator with light bulb	unit	1,000	35,000		
59	8-604-1.	Evacuation exit indicator	unit		8,000	8,00	39,04
		Labour resources	p.p./hr	0,610	4,880		
		Material resource	GEL	0,337	2,696		
		Vehicles	GEL	0,2450	1,960		
	8,14-193	Illuminator with light bulb	unit	1,000	8,000		
60	8-400-2	Cable installation	length meter		1945,00	8,00	6846,40
		Labour resources	p.p./hr	0,44	855,80		
		Material resource	GEL	0,148	287,86		

1'	2'	3'	4'	5'	6'	7'	8'
		Vehicles	GEL	0,282	548,49		
61		<u>Cabels</u>					
	8,3-20	Cable (round) NAYY-J 3X95+1X50mm2	length meter	with project	150,00		
	8,3-21	Cable (round) NAYY-J 3X10+1X6mm2	length meter	with project	150,00		
	8,3-28	Cable (round) NYY-J 5X25mm2	length meter	with project	20,00		
	8,3-21	Cable (round) NYY-J 5X10mm2	length meter	with project	25,00		
	8,3-28	Cable (round) NYM-J 5X4mm2	length meter	with project	40,00		
	8,3-20	Cable (round) NYM-J 5X1.5mm2	length meter	with project	10,00		
	8,3-21	Cable (round) NYM-J 3X2.5mm2	length meter	with project	900,00		
	8,3-28	Cable (round) NYM-J 3X1.5mm2	length meter	with project	500,00		
	8,3-29	Cable (round) NYM-J 2X1.5mm2	length meter	with project	150,00		
		Installation material					
62		Receptacle socket	unit		137,0		
63	8-417-3	Protecting pipes and canals	length meter		770,0		
		Labour resources	p.p./hr	0,33	254,1	8,00	2032,80
		Material resource	GEL	0,2160	166,3		
		Vehicles	GEL	0,1950	150,15		
	8,14-349	Iron cable channel perforated 100X60X1.0m	length meter		20,0		
	8,14-349	Iron cable channel perforated 200X60X1.0m	length meter		20,0		
	8,14-349	Iron cable channel perforated 100X60X1.0mm ceiling fastened construction (as a unit)	complete		15,0		
	8,14-349	rkinis sak.arxis 200X60X1.0mm Werze samagri konstrukcia (completeeqtSi)	complete		15,0		

1'	2'	3'	4'	5'	6'	7'	8'
	8,14-349	Mounted corrugated pipe Ø 16 mm	length meter		200,0		
	8,14-349	Mounted corrugated pipe Ø 25 mm	length meter		400,0		
	8,14-350	Mounted corrugated pipe Ø 40 mm (red)	length meter		150,0		
64		Treelike box 100X100X50	unit		80,0		
		Grounding					
65	8-472-1	Grounding wire rod Ø10mm	length meter		50,00		
		Labour resources	p.p./hr	0,14	7,00	8,00	56,00
		Material resource	GEL	0,130	6,50		
		Vehicles	GEL	0,009	0,45		
		grounding wire rod Ø10mm	length meter		50,00		
66	8-471-1	grounding bar-bell (crisscross)	unit		6,00		
		Labour resources	p.p./hr	0,90	5,40	8,00	43,20
		Material resource	GEL	1,400	8,40		
		Vehicles	GEL	0,070	0,42		
		grounding bar-bell (crisscross)	unit		6,00		
		Wire rod clinch on grounding rod Ø8-10mm	unit		5,00		
		Wire rod clinch on two grounding rods Ø8-10mm	unit		1,00		
		Sum					11573,60
		Installation way-bill expenses	percent		75,00		8680,20
		Profit	percent		8,00		925,89
		Sum C					21179,69

Total cost

Salary

Installation

56980,78

11573,60

23752,79

GEL

GEL

GEL

Material		Construction mechanisms		Sum
Per unit price	All	Per unit price	All	
9'	10'	11'	12'	13'
				88,00
3,20	99,52			99,52
		3,20	5,41	5,41
1200,00	1200,00			1200,00
				96,00
3,20	21,25			21,25
		3,20	0,67	0,67
120,00	120,00			120,00
				56,00
3,20	7,14			7,14
		3,20	0,83	0,83
95,00	95,00			95,00

9'	10'	11'	12'	13'
				24,00
3,20	0,38			0,38
		3,20	0,10	0,10
3,40	10,20			10,20
				24,00
3,20	0,38			0,38
		3,20	0,10	0,10
3,40	10,20			10,20
				48,00
3,20				81,72
12,00	81,72			0,86
		3,20	0,86	
18,00	54,00			54,00
				48,00
3,20	9,60			9,60
59,60	178,80			178,80
				0,00
3,20	10,27			10,27
		3,20	0,48	0,48
22,90	68,70			68,70
				64,00
3,20	2,56			2,56
		3,20	1,79	1,79

9'	10'	11'	12'	13'
	0,00			0,00
				56,00
3,20	23,97	3,20	1,12	23,97
				1,12
9,00	63,00			63,00
				8,00
3,20	3,42	3,20	0,16	3,42
9,00				0,16
	0,00			0,00
				0,00
3,20	44,51	3,20	2,08	44,51
				2,08
9,00	117,00			117,00
				32,00
3,20	11,68	3,20	0,86	11,68
				0,86
381,00	381,00			381,00
				16,00
3,20	5,70			5,70

9'	10'	11'	12'	13'
		3,20	0,19	0,19
36,30	36,30			36,30
				16,00
3,20	5,70			5,70
		3,20	0,19	0,19
150,00	150,00			150,00
				16,00
3,20	6,53			6,53
		3,20	0,22	0,22
199,00	199,00			199,00
				16,00
3,20	5,70			5,70
		3,20	0,19	0,19
50,00	50,00			50,00
				9,60
3,20	3,07			3,07
15,20	45,60			45,60
				3,20
3,20	1,02			1,02
150,00	150,00			150,00
				24,00

9'	10'	11'	12'	13'
3,20	0,38			0,38
		3,20	0,10	0,10
3,40	10,20			10,20
				32,00
3,20	1,28			1,28
		3,20	0,90	0,90
392,15	392,15			392,15
				24,00
3,20	7,58			7,58
120,00		3,20	2,53	2,53
1,20	1,20			1,20
2,80	8,40			8,40
	0,00			0,00
				32,00
3,20	1,28			1,28
		3,20	0,90	0,90
55,00	55,00			55,00
				88,00
3,20	1,41			1,41
		3,20	0,35	0,35
1,70	18,70			18,70
				176,00
3,20	79,90			79,90
		3,20	3,17	3,17
18,00	198,00			198,00

9'	10'	11'	12'	13'
				144,00
3,20	28,80			28,80
59,60	536,40			536,40
				16,00
3,20	3,20			3,20
57,90	57,90			57,90
				16,00
3,20	3,20			3,20
35,00	35,00			35,00
				32,00
3,20	13,70	3,20	0,64	13,70
25,00	100,00			0,64
				100,00
				40,00
3,20	17,12	3,20	0,80	17,12
25,00	125,00			0,80
				125,00
				8,00
3,20	3,42	3,20	0,16	3,42
				0,16

9'	10'	11'	12'	13'
109,99	109,99			109,99
				8,00
3,20	3,42	3,20	0,16	3,42
9,00	9,00			0,16
				9,00
				24,00
3,20	10,27	3,20	0,48	10,27
9,00	27,00			0,48
				27,00
				16,00
3,20	5,70	3,20	0,19	5,70
25,00	25,00			0,19
				25,00
				16,00
3,20	5,70	3,20	0,19	5,70
65,00	65,00			0,19
				65,00
				24,00
3,20	7,58	3,20	2,53	7,58
130,00				2,53

9'	10'	11'	12'	13'
0,99	0,99			0,99
	0,00			0,00
1,08	12,96			12,96
				16,00
3,20	0,26	3,20	0,06	0,26
1,70	3,40			0,06
				3,40
				16,00
3,20	0,26	3,20	0,06	0,26
1,70	3,40			0,06
				3,40
				32,00
3,20	14,53	3,20	0,58	14,53
36,00	72,00			0,58
				72,00
				32,00
3,20	6,40			6,40
75,00	150,00			150,00
				16,00
3,20	6,85	3,20	0,32	6,85
				0,32
30,00	60,00			60,00

9'	10'	11'	12'	13'
				32,00
3,20	1,28	3,20	0,90	1,28
				0,90
85,00	85,00			85,00
				40,00
3,20	17,12	3,20	0,80	17,12
				0,80
14,00	70,00			70,00
				32,00
3,20	13,70	3,20	0,64	13,70
				0,64
14,00	56,00			56,00
				16,00
3,20	5,70	3,20	0,19	5,70
				0,19
80,00	80,00			80,00
				30,40
3,20	5,02	3,20	0,03	5,02
				0,03

9'	10'	11'	12'	13'
8,00	152,00			152,00
				25,92
3,20	2,86			2,86
		3,20	0,02	0,02
8,00	96,00			96,00
				3,20
3,20	0,53			0,53
		3,20	0,00	0,00
8,00	16,00			16,00
				17,28
3,20	1,91			1,91
		3,20	0,01	0,01
8,00	64,00			64,00
				269,28
3,20	29,68			29,68
		3,20	3,58	3,58
8,00	792,00			792,00
				7,76
3,20	1,22			1,22
		3,20	1,12	1,12
240,00	240,00			240,00
				82,96
3,20	18,33			18,33
		3,20	13,33	13,33
70,00	1190,00			1190,00

9'	10'	11'	12'	13'
				112,24
3,20	24,80			24,80
		3,20	18,03	18,03
20,00	460,00			460,00
				39,04
3,20	8,63			8,63
		3,20	6,27	6,27
28,00	224,00			224,00
				78,08
3,20	17,25			17,25
		3,20	12,54	12,54
35,00	560,00			560,00
				82,96
3,20	18,33			18,33
		3,20	13,33	13,33
35,00	595,00			595,00
				63,44
3,20	14,02			14,02
		3,20	10,19	10,19
20,00	260,00			260,00
				170,80
3,20	37,74			37,74
		3,20	27,44	27,44
30,00	1050,00			1050,00
				39,04
3,20	8,63			8,63
		3,20	6,27	6,27
87,00	696,00			696,00
				6846,40
3,20	921,15			921,15

9'	10'	11'	12'	13'
		3,20	1755,17	1755,17
25,00	3750,00			3750,00
20,00	3000,00			3000,00
40,00	800,00			800,00
32,00	800,00			800,00
10,00	400,00			400,00
6,00	60,00			60,00
3,60	3240,00			3240,00
3,00	1500,00			1500,00
2,40	360,00			360,00
	0,00			0,00
				2032,80
3,20	532,22			532,22
		3,20	480,48	480,48
5,00	100,00			100,00
7,00	140,00			140,00
10,00	150,00			150,00
10,00	150,00			150,00

9'	10'	11'	12'	13'
1,40	280,00			280,00
1,80	720,00			720,00
2,40	360,00			360,00
5,00	400,00			400,00
				56,00
3,20	20,80			20,80
		3,20	1,44	1,44
5,30	265,00			265,00
				43,20
3,20	26,88			26,88
		3,20	1,34	1,34
45,00	270,00			270,00
5,00	25,00			25,00
11,00	11,00			11,00
	30766,66		2382,50	44722,76
				8680,20
	2461,33		190,60	3577,82
	33228,00		2573,10	56980,78

Construction of the Regional Educational and Consultation Apicultural
Centre

D External sewerage, water supply

#	Basis	Name of work	Resource			Labour	
			Dimension	Per unit	All	Per unit price	All
1'	2'	3'	4'	5'	6'	7'	8'
Water supply							
1	1-22-9,	Trench treatment in III-IV category priming coat by mechanisms Labour resources Excavator exploitation Other vehicles	1000m p.p./hr m/hr GEL	13,200 29,500 2,100	0,010 0,132 0,295 0,021	8,00	1,06
2	1-961	With the same hand (for levelling trench surface) Labour resources	100m sq.m.	100,00	0,01 1,00	8,00	8,00
3	srf2012-II T813p.5	Loading extra priming coat and construction wastes on a tip lorry and move to the landfills on 15 km distance (1.3 stipulating loosening coefficient)	ton		25,025		
4	16-24-4. 2,6-3	Polyethylene pipe PN-10 Pipe arrangement. d=32mm Labour resources Vehicles Pipe cost d=32mm Clinches Tool consumables	length meter p.p./hr GEL length meter kg. GEL	1,560 0,0217 0,937 with project 0,0708	30,000 46,800 0,651 28,110 1,000 2,124	6,00	280,80
5	22-23-1Iss	Fitting parts arrangement	unit		10,00		

1'	2'	3'	4'	5'	6'	7'	8'
	6..-791 6..-413	Labour resources Vehicles 5000 coupler 3200 bend 90° Tool consumables	p.p./hr GEL unit unit GEL	0,389 0,151 with project with project 0,024	3,89 1,51 6,0 4,0 0,24	8,00	31,12
6	23-1-1.	Pipe arrangement in sand encasing by hand (10 cm on the bottom, 20cm on the top of the pipe) layer ram by vibro ramming. Labour resources Sand	kub.m p.p./hr kub.m	 1,80 1,10	 9,90 6,05	8,00	79,20
7	1-31-3,14	Trench filling with river ballast by bulldozer movement up to 30m Bulldozer exploitation Ballast	1000m m/hr kub.m	 17,790 1150,0	0,006 0,098 6,33		
External sewerage							
8	1-22-9,	Trench treatment in III-IV category priming coat by mechanisms Labour resources Excavator exploitation Other vehicles	1000m p.p./hr m/hr GEL	 13,200 29,500 2,100	0,049 0,647 1,446 0,103	8,00	5,17
9	1-961 market	With the same hand (for levelling trench surface) Labour resources	100m sq.m.	 100,00	0,06 6,00	10,00	60,00
10	srf2012-II C813p.5	Loading extra priming coat and construction wastes on a tip lorry and move to the landfills on 15 km distance (1.3 stipulating loosening coefficient)	ton		126,000		
11	22-8-2.	Plastic sewerage pipe (goffered) of SN-8 series d=150 mm Labour resources Vehicles Pipe d=150mm Tool consumables	length meter p.p./hr GEL length meter GEL	 0,105 0,054 1,010 0,0012	21,000 2,205 1,130 21,210 0,025	8,00	17,64

1'	2'	3'	4'	5'	6'	7'	8'
12	22-8-2.	Plastic sewerage thick-walled pipe d=100 mm Labour resources Vehicles Pipe d=100mm Tool consumables	length meter p.p./hr GEL length meter GEL	 0,105 0,054 1,010 0,0012	24,000 2,520 1,291 24,240 0,029	 8,00 	 20,16
13	23-12-1.	Reinforced concrete sewerage well (Construction remnants) d=1000 with reinforced/rings, reinforced concrete bottom and roofing framed cap Labour resources Vehicles Remnants reinforced concrete rings d=1000mm h=1000mm Remnants reinforced concrete rings d=1000mm h=500mm Reinforced concrete well bottom embedded reinforcement Concrete ~m200~ Reinforced concrete panel and framed cap Tool consumables	m3 p.p./hr GEL unit unit unit ton m3 unit GEL	 12,600 5,080 with project with project with project 0,016 0,413 with project 7,010	4,14 52,164 21,031 4,00 1,00 4,00 0,066 1,710 4,00 29,02	 10,00 	 521,64
14	8-3-2.	Sand and gravel cushion arrangement on the bottom of well. width .10cm Labour resources Vehicles Sand and gravel Tool consumables	m3 p.p./hr GEL m3 GEL	 0,890 0,370 1,150 0,020	 0,427 0,178 0,552 0,010	 8,00 	 3,42
15	23-1-1.	Pipe arrangement in sand encasing by hand (10 cm on the bottom, 20cm on the top of the pipe) layer ram by vibro ramming. Labour resources Sand	kub.m p.p./hr kub.m	 1,80 1,10	14,00 25,20 15,40	 8,00 	 201,60

1'	2'	3'	4'	5'	6'	7'	8'
16	1-31-3,14	Trench filling with river ballast by bulldozer movement up to 30m Bulldozer exploitation Ballast	1000m m/hr kub.m	17,790 1150,0	0,041 0,729 47,15		
17	8-4-7.	Well's outer surface insulation with bitumastic (two layers) Labour resources Vehicles bitumastic Tool consumables	sq.m p.p./hr GEL ton GEL	0,3360 0,0150 0,0024 0,0228	6,384 0,285 0,046 0,433	8,00	51,07
18	6-28-2.	Concrete channel parts arrangement (W-26) in the bottom of the well (W-26) Labour resources Vehicles Concrete ~m300~ W-26 Frame board IIIId. 40mm the same, IIIId. 25-32mm Bar IIIId. 40mm Tool consumables	m3 p.p./hr GEL m3 m3 m3 m3 GEL	14,600 0,860 1,015 0,0688 0,0869 0,0063 3,040	8,760 0,516 0,609 0,041 0,052 0,004 1,824	8,00	70,08
		Sum					1350,96
		Way-bill expenses	percent		8,00		108,08
		Profit	percent		10,00		135,10
		Sum D					1594,13

Total cost	11433,66	GEL
Salary	1350,96	GEL
Installation	3813,42	GEL

Material		Mechanisms		Sum
Per unit price	All	Per unit price	All	
9'	10'	11'	12'	13'
		68,00	20,06	1,06
		3,20	0,07	20,06
				0,07
				8,00
		11,00	275,28	275,28
				280,80
		3,20	2,08	2,08
7,00	196,77			196,77
5,20	5,20			5,20
3,20	6,80			6,80

9'	10'	11'	12'	13'
		3,20	4,83	31,12 4,83
4,00 1,20 3,20	24,00 4,80 0,77			24,00 4,80 0,77
				79,20 175,45
29,00	175,45			
		111,00	10,86	10,86
28,00	177,10			177,10
		68,00 3,20	98,29 0,33	5,17 98,29 0,33
				60,00
		11,00	1386,00	1386,00
				17,64 3,62
29,00 3,20	615,09 0,08	3,20	3,62	615,09 0,08

9'	10'	11'	12'	13'
				20,16
		3,20	4,13	4,13
24,00	581,76			581,76
3,20	0,09			0,09
				521,64
		3,20	67,30	67,30
109,00	436,00			436,00
90,00	90,00			90,00
140,00	560,00			560,00
1800,00	119,23			119,23
130,00	222,28			222,28
454,00	1816,00			1816,00
3,20	92,87			92,87
				3,42
		3,20	0,57	0,57
15,00	8,28			8,28
3,20	0,03			0,03
				201,60
22,00	338,80			338,80

9'	10'	11'	12'	13'
		51,00	37,20	37,20
18,00	848,70			848,70
		3,20	0,91	51,07
1100,00	50,16			0,91
3,20	1,39			50,16
				1,39
		3,20	1,65	70,08
219,00	133,37			1,65
600,00	24,77			133,37
600,00	31,28			24,77
600,00	2,27			31,28
3,20	5,84			2,27
				5,84
	6569,17		1913,18	9833,31
	525,53		153,05	786,66
	525,53		153,05	813,68
	7620,24		2219,29	11433,66

Construction of the Regional Educational and Consultation Apicultural Centre

E Fire alarms

#	Basis	Name of work	Dimension	Normative resource		Labour		Per unit price
				Per unit	All	Per unit price	All	
1'	2'	3'	4'	5'	6'	7'	8'	9'
1	10-742-1	Address fire alarm one loupe panel	complete		1,00		156,00	
		Labour resources	p.p./hr	26,00	26,00	6,00		
		Material resources	GEL	2,50	2,50			3,20
		Address fire alarm one loupe panel	complete	1,00	1,00			700,00
2	8-123-7 12,1-70	Power supply unit with battery 2x12 v/7a.sT	unit		1,00		6,00	
		Labour resources	p.p./hr	1,00	1,00	6,00		6,00
		Material resources	GEL	0,450	0,45			3,20
		Power supply unit with battery 2x12 v/7a.sT	unit	1,00	1,00			350,00
3	10-743-3	Optical addressable smoke detector	unit		22,00		264,00	
		Labour resources	p.p./hr	2,00	44,00	6,00		
		Material resources	GEL	0,28	6,16			3,20

1'	2'	3'	4'	5'	6'	7'	8'	9'
	12,1-59	Optical addressable smoke detector	unit	1,00	22,00			90,00
		Universal address base	unit		22,00			13,00
4	10-743-3	Address thermal detector	unit		1,00		12,00	
		Labour resources	p.p./hr	2,00	2,00	6,00		
		Material resources	GEL	0,28	0,28			3,20
	12,1-62	Address thermal detector	unit	1,00	1,00			90,00
		Universal address base	unit		1,00			15,50
5	10-743-3	Address gas detector	unit		1,00		12,00	
		Labour resources	p.p./hr	2,00	2,00	6,00		
		Material resources	GEL	0,28	0,28			3,20
	12,1-62	Address gas detector	unit	1,00	1,00			90,00
		Universal address base	unit		1,00			15,50
6	10_744-5	Address alarm button	unit		9,00		108,00	
		Labour resources	p.p./hr	2,00	18,00	6,00		
		Material resources	GEL	0,14	1,26			3,20
	12,1-63	Address alarm button	unit	1,00	9,00			75,00
7	10_744-6	Address sirene strobe	unit		2,00		36,00	
		Labour resources	p.p./hr	3,00	6,00	6,00		
		Material resources	GEL	0,14	0,28			3,20
	12,1-64	Address sirene strobe	unit	1,00	2,00			90,00
8	10_744-6	Address relay module	unit		1,00		18,00	
		Labour resources	p.p./hr	3,00	3,00	6,00		
		Material resources	GEL	0,14	0,14			3,20
	12,1-64	Address relay module	unit	1,00	1,00			90,00
9	10-54-4	Cable installation	length meter		350,00		588,00	
		Labour resources	p.p./hr	0,28	98,00	6,00		
		Material resources	GEL	0,1070	37,45			3,20
		Vehicles	GEL	0,049	17,15			
	12,1-57	Plenum cable JE-H(St)H FE180/E90 - 2x1x0,8	length meter.	1,00	350,00			1,90

1'	2'	3'	4'	5'	6'	7'	8'	9'
		Sum					1200,00	
		Installation way-bill expenses	percent		65,00		780,00	
		Profit	percent		8,00		96,00	
		Sum E					2076,00	

Total cost	7851,88	GEL
Salary	1200,00	GEL
Installation	2135,27	GEL

Material	Construction mechanisms		Sum
	Per unit price	All	
10'	11'	12'	13'
8,00			156,00
700,00			8,00
			700,00
1,44			6,00
350,00			1,44
			350,00
19,71			264,00
			19,71

10'	11'	12'	13'
1980,00			1980,00
286,00			286,00
0,90			12,00
90,00			0,90
15,50			90,00
			15,50
0,90			12,00
90,00			0,90
15,50			90,00
			15,50
4,03			108,00
675,00			4,03
			675,00
0,90			36,00
180,00			0,90
			180,00
0,45			18,00
90,00			0,45
			90,00
119,84			588,00
	3,20	54,88	119,84
665,00			54,88
			665,00

10'	11'	12'	13'
5293,16		54,88	6548,04
			780,00
423,45		4,39	523,84
5716,61		59,27	7851,88

Construction of the Regional Educational and Consultation Apicultural Centre

F Video monitoring system

#	Basis	Name of work	Dimension	Normative resource		Labour		Per unit price
				Per unit	All	Per unit price	All	
1'	2'	3'	4'	5'	6'	7'	8'	9'
1	10-384-22Is	Digital dashboard camera network with (NVR) 16 channels	unit		1,0			
		Labour resources	p.p./hr	75,00	75,00	8,00	600,00	
		Material resources	GEL	6,12	6,12			3,20
		Vehicles	GEL	0,080	0,08			
	9..-28	Digital dashboard camera network with (NVR) 16 channels	unit	1,000	1,0			328,00
2		lan switch 24 port	unit		1,0			680,00
3		Solid-state drive 3 terabyte	unit		1,0			320,00
4		Patch panel 24 port Cat 5e	unit		1,0			925,00
5	8-123-7	Power supply unit for cameras 12v/10a	unit		1,00			
		Labour resources	p.p./hr	1,00	1,00	8,00	8,00	
		Material resources	GEL	0,450	0,45			3,20
		Power supply unit for cameras 12v/10a	unit	1,00	1,00			268,00
6	10-384-25Iss	IP Video camera with day/night colour regime (minimum 2.0MP) internal installation	unit		6,00			
		Labour resources	p.p./hr	12,00	72,0	8,00	576,00	

1'	2'	3'	4'	5'	6'	7'	8'	9'
		Material resources	GEL	1,300	7,80			3,20
		Vehicles	GEL	0,24	1,4			
		IP Video camera with day/night colour regime (minimum 2.0MP) internal installation	unit		6,0			345,00
7	10-384-25Iss	IP Video camera with day/night colour regime (minimum 2.0MP) external installation	unit		5,00			
		Labour resources	p.p./hr	12,00	60,0	8,00	480,00	
		Material resources	GEL	1,300	6,50			3,20
		Vehicles	GEL	0,24	1,2			
		IP Video camera with day/night colour regime (minimum 2.0MP) external installation	unit		5,0			300,00
8		Monitoring	unit		1,0			600,00
9	10-54-4	Cable installation	length meter		800,0			
		Labour resources	p.p./hr	0,28	224,00	8,00	1792,00	
		Material resources	GEL	0,1070	85,60			3,20
		Vehicles	GEL	0,049	39,20			
		Cable 2x1.5 mm2	length meter		400,00			1,80
	8,4-5	Cable UTP Cat 5e	length meter		400,00			1,30
		Sum					3456,00	
		Installation way-bill expenses	percent		72,00		2488,32	
		Profit	percent		8,00		276,48	
		Sum F					6220,80	

Total cost	15302,23	GEL
Salary	3456,00	GEL
Installation	6368,79	GEL

erial	Construction mechanisms		Sum
	Per unit price	All	
10'	11'	12'	13'
19,58	5,10	0,41	600,00 19,58 0,41
328,00			328,00
680,00			680,00
320,00			320,00
925,00			925,00
1,44 268,00			8,00 1,44 268,00
			576,00

10'	11'	12'	13'
24,96	5,10	7,34	24,96 7,34
2070,00			2070,00
20,80	3,20	3,84	480,00 20,80 3,84
1500,00			1500,00
600,00			600,00
273,92	3,20	125,44	1792,00 273,92 125,44
720,00			720,00
520,00			520,00
8271,70		137,03	11864,74
			2488,32
661,74		10,96	949,18
8933,44		147,99	15302,23

Construction of the Regional Educational and Consultation Apicultural Centre

Cooling and heating

Construction of the Regional Educational and Consultation Apicultural Centre

G Cooling and Heating

#	Basis	Name of work	Dimension	Normative resource		Labour	
				Per unit	All	Per unit price	All
1'	2'	3'	4'	5'	6'	7'	8'
		I Heating					
		Equipment					
1	18-2-6.	Wall-mounted boiler 80kW (condensation)	unit		1,000		
		Labour resources	p.p./hr	38,100	38,100	9,00	342,90
		Vehicles	GEL	4,840	4,840		
		Wall-mounted boiler 80kW	unit	1,000	1,000		
		Tool consumables	GEL	3,960	3,960		
2	20-31-10.	Mini chiller 100 kW	complete		1,000		

1'	2'	3'	4'	5'	6'	7'	8'
		Labour resources Vehicles Chiller Tool consumables	p.p./hr GEL unit GEL	168,000 22,300 1,000 28,000	168,000 22,300 1,000 28,000	9,00	1512,00
3	18-8-3.	Circulation pump for chiller 17.2m ³ /h H-5.4 Labour resources Vehicles Pump Tool consumables	unit p.p./hr GEL unit GEL	 18,900 1,080 1,000 2,210	 18,900 1,080 1,000 2,210	 9,00	 170,10
4	18-6-2.	Expansion tank 150L (10bar.) Labour resources Vehicles Expansion tank V=150L Tool consumables	unit p.p./hr GEL complete GEL	 3,800 0,220 1,000 0,220	 3,800 0,220 1,000 0,220	 9,00	 34,20
5	18-6-2.	Expansion tank 100L (10bar.) Labour resources Vehicles Expansion tank V=100L Tool consumables	unit p.p./hr GEL complete GEL	 3,800 0,220 1,000 0,220	 3,800 0,220 1,000 0,220	 9,00	 34,20
6	18-14-6.	Cast iron filter Labour resources Vehicles Filter Tool consumables	unit p.p./hr GEL unit GEL	 4,140 0,680 1,000 0,120	 4,140 0,680 1,000 0,120	 9,00	 37,26
		Fan coils					
7	20-24-1Iss	Floor fan coil 1.9 kW cooling 2.5 heating Labour resources	complete p.p./hr	 6,670	 6,670	 9,00	 60,03

1'	2'	3'	4'	5'	6'	7'	8'
		Vehicles Fan coil cost Tool consumables	GEL unit GEL	0,541 1,000 3,380	0,541 1,000 3,380		
8	20-24-1Iss	Floor fan coil 2.2 kW cooling 3.8 heating Labour resources Vehicles Fan coil cost Tool consumables	complete p.p./hr GEL unit GEL	 6,670 0,541 1,000 3,380	 1,00 6,670 0,541 1,000 3,380	 9,00	 60,03
9	20-24-1Iss	Floor fan coil 2.8 kW cooling 4 heating Labour resources Vehicles Fan coil cost Tool consumables	complete p.p./hr GEL unit GEL	 6,670 0,541 1,000 3,380	 3,00 20,010 1,623 3,000 10,140	 9,00	 180,09
10	20-24-1Iss	Floor fan coil 3.7 kW cooling 4.5 heating Labour resources Vehicles Fan coil cost Tool consumables	complete p.p./hr GEL unit GEL	 6,670 0,541 1,000 3,380	 2,00 13,340 1,082 2,000 6,760	 9,00	 120,06
11	20-24-1Iss	Floor fan coil 4.5 kW cooling 6.5 heating Labour resources Vehicles Fan coil cost	complete p.p./hr GEL unit	 6,670 0,541 1,000	 2,00 13,340 1,082 2,000	 9,00	 120,06

1'	2'	3'	4'	5'	6'	7'	8'
		Tool consumables	GEL	3,380	6,760		
12	20-24-1Iss	Floor fan coil 5 kW cooling 7.5 heating	complete		4,00		
		Labour resources	p.p./hr	6,670	26,680	9,00	240,12
		Vehicles	GEL	0,541	2,164		
		Fan coil cost	unit	1,000	4,000		
		Tool consumables	GEL	3,380	13,520		
13	20-24-1Iss	Floor fan coil 7.2 kW cooling 9.8 heating	complete		1,00		
		Labour resources	p.p./hr	6,670	6,670	9,00	60,03
		Vehicles	GEL	0,541	0,541		
		Fan coil cost	unit	1,000	1,000		
		Tool consumables	GEL	3,380	3,380		
14	18-8-2.	Circulation pump for floor fan coil heating(tap #1) 1.2-m ³ /h H-5.6	unit		1,000		
		Labour resources	p.p./hr	16,600	16,600	9,00	149,40
		Vehicles	GEL	0,720	0,720		
		Pump	unit	1,000	1,000		
		Tool consumables	GEL	1,760	1,760		
15	18-8-2.	Circulation pump for floor fan coil heating(tap #2) 1.6-m ³ /h H-5.8	unit		1,000		
		Labour resources	p.p./hr	16,600	16,600	9,00	149,40
		Vehicles	GEL	0,720	0,720		
		Pump	unit	1,000	1,000		
		Other expenses	GEL	1,760	1,760		
16	18-8-2.	Circulation pump for floor fan coil heating(tap #3) 1.8-m ³ /h H-6.2	unit		1,000		
		Labour resources	p.p./hr	16,600	16,600	9,00	149,40
		Vehicles	GEL	0,720	0,720		
		Pump	unit	1,000	1,000		

1'	2'	3'	4'	5'	6'	7'	8'
		Tool consumables	GEL	1,760	1,760		
17	18-8-2.	Circulation pump for floor fan coil cooling(tap #1) 2.4-m ³ /h H-8.2	unit		1,000		
		Labour resources	p.p./hr	16,600	16,600	9,00	149,40
		Vehicles	GEL	0,720	0,720		
		Pump	unit	1,000	1,000		
		Tool consumables	GEL	1,760	1,760		
18	18-8-2.	Circulation pump for floor fan coil cooling(tap #2) 4.8-m ³ /h H-6.7	unit		1,000		
		Labour resources	p.p./hr	16,600	16,600	9,00	149,40
		Vehicles	GEL	0,720	0,720		
		Pump	unit	1,000	1,000		
		Tool consumables	GEL	1,760	1,760		
19	18-8-2.	Circulation pump for floor fan coil cooling(tap #3) 3.5-m ³ /h H-12.4	unit		1,000		
		Labour resources	p.p./hr	16,600	16,600	9,00	149,40
		Vehicles	GEL	0,720	0,720		
		Pump	unit	1,000	1,000		
		Other expenses	GEL	1,760	1,760		
20	18-8-2.	Circulation pump for calorifier heating (#4) 1.6-m ³ /h H-4.8	unit		1,000		
		Labour resources	p.p./hr	16,600	16,600	9,00	149,40
		Vehicles	GEL	0,720	0,720		
		Pump	unit	1,000	1,000		
		Tool consumables	GEL	1,760	1,760		
21	18-8-2.	Circulation pump for calorifier cooling (#4) 2.5-m ³ /h H-5.8	unit		1,000		
		Labour resources	p.p./hr	16,600	16,600	9,00	149,40
		Vehicles	GEL	0,720	0,720		
		Pump	unit	1,000	1,000		
		Tool consumables	GEL	1,760	1,760		
		Sum					4166,28

1'	2'	3'	4'	5'	6'	7'	8'
		Equipment installation way-bill expenses	percent	60,00			2499,77
		Profit	percent	8,00			333,30
		Sum Heating					6999,35

II Cooling

22	16-24-6.	Aluminium armoured polypropylene pipe arrangement Ø50x8,3 PN25 Labour resources Vehicles Pipe cost Ø50x8,3 PN25 Clinches Tool consumables	length meter p.p./hr GEL length meter unit GEL	 1,570 0,0525 0,974 4,00 0,0478	240,00 376,800 12,600 233,760 4,00 11,472	 7,00	 2637,60
23	16-24-6.	Aluminium armoured polypropylene pipe arrangement Ø40x6,7PN25 Labour resources Vehicles Pipe cost Ø40x6,7 PN25 Clinches Tool consumables	length meter p.p./hr GEL length meter unit GEL	 1,570 0,0525 0,974 4,00 0,0478	230,00 361,100 12,075 224,020 4,00 10,994	 7,00	 2527,70
24	16-24-6.	Aluminium armoured polypropylene pipe arrangement Ø32x5,3PN25 Labour resources Vehicles Pipe cost Ø32x5,3 PN25 Clinches Tool consumables	length meter p.p./hr GEL length meter unit GEL	 1,570 0,0525 0,974 4,00 0,0478	148,00 232,360 7,770 144,152 4,00 7,074	 7,00	 1626,52
25	16-24-6.	Aluminium armoured polypropylene pipe arrangement Ø25x4,2PN25 Labour resources	length meter p.p./hr	 1,570	96,00 150,720	 7,00	 1055,04

1'	2'	3'	4'	5'	6'	7'	8'
		Vehicles	GEL	0,0525	5,040		
		Pipe cost Ø25x4,2PN25	length meter	0,974	93,504		
		Clinches	unit		4,00		
		Tool consumables	GEL	0,0478	4,589		
26	16-24-6.	Aluminium armoured polypropylene pipe arrangement Ø20x3,4PN25	length meter		136,00		
		Labour resources	p.p./hr	1,570	213,520	7,00	1494,64
		Vehicles	GEL	0,0525	7,140		
		Pipe cost Ø20x3,4PN25	length meter	0,974	132,464		
		Clinches	unit		4,00		
		Tool consumables	GEL	0,0478	6,501		
27	Market	Pipe lagging by foiled hosed foamed caoutchouc width.13mm.	length meter		850,00		
		Labour resources	length meter	1,00	850,00	2,00	1700,00
		Lagging Ø50 for pipes	length meter	with project	240,00		
		Lagging Ø40 for pipes	length meter	with project	230,00		
		Lagging Ø32 for pipes	length meter	with project	148,00		
		Lagging Ø25 for pipes	length meter	with project	96,00		
		Lagging Ø20 for pipes	length meter	with project	136,00		
28	22-23-1	Fitting parts arrangement	unit		414,00		
		Labour resources	p.p./hr	0,389	161,05	7,00	1127,32
		Vehicles	GEL	0,151	62,51		
		Globe valve arrangement d= up to50mm	unit	with project	56,00		
		20 mm joint 90°	unit	with project	84,00		
		25 mm joint 90°	unit	with project	20,00		
		32 mm joint 90°	unit	with project	16,00		
		40 mm joint 90°	unit	with project	42,00		

1'	2'	3'	4'	5'	6'	7'	8'
31	Market	Pipe lagging by foiled hosed foamed caoutchouc width.13mm.	length meter		12,00		
		Labour resources	length meter	1,00	12,00	2,00	24,00
		Foiled hosed auCuki caoutchouc width.13mm.	length meter	1,00	12,00		
		Sum					12575,86
		Way-bill expenses	percent		10,00		1257,59
		Profit	percent		8,00		1006,07
		Sum Cooling					14839,52
		Sum G (Heating + Cooling)					21838,87

9'	10'	11'	12'	13'
		5,10	113,73	1512,00 113,73 12000,00 89,60
12000,00 3,20	12000,00 89,60			
		5,10	5,51	170,10 5,51 1500,00 7,07
1500,00 3,20	1500,00 7,07			
		5,10	1,12	34,20 1,12 500,00 0,70
500,00 3,20	500,00 0,70			
		5,10	1,12	34,20 1,12 400,00 0,70
400,00 3,20	400,00 0,70			
		5,10	3,47	37,26 3,47 350,00 0,38
350,00 3,20	350,00 0,38			
				60,03

9'	10'	11'	12'	13'
		5,10	2,76	2,76
500,00 3,20	500,00 10,82			500,00 10,82
				60,03
		5,10	2,76	2,76
600,00 3,20	600,00 10,82			600,00 10,82
				180,09
		5,10	8,28	8,28
700,00 3,20	2100,00 32,45			2100,00 32,45
				120,06
		5,10	5,52	5,52
850,00 3,20	1700,00 21,63			1700,00 21,63
				120,06
		5,10	5,52	5,52
950,00	1900,00			1900,00

9'	10'	11'	12'	13'
3,20	21,63			21,63
				240,12
		5,10	11,04	11,04
1100,00	4400,00			4400,00
3,20	43,26			43,26
				60,03
		5,10	2,76	2,76
1400,00	1400,00			1400,00
3,20	10,82			10,82
				149,40
		5,10	3,67	3,67
450,00	450,00			450,00
3,20	5,63			5,63
				149,40
		5,10	3,67	3,67
600,00	600,00			600,00
3,20	5,63			5,63
				149,40
		5,10	3,67	3,67
700,00	700,00			700,00

9'	10'	11'	12'	13'
3,20	5,63			5,63
				149,40
		5,10	3,67	3,67
900,00	900,00			900,00
3,20	5,63			5,63
				149,40
		5,10	3,67	3,67
900,00	900,00			900,00
3,20	5,63			5,63
				149,40
		5,10	3,67	3,67
750,00	750,00			750,00
3,20	5,63			5,63
				149,40
		5,10	3,67	3,67
750,00	750,00			750,00
3,20	5,63			5,63
				149,40
		5,10	3,67	3,67
850,00	850,00			850,00
3,20	5,63			5,63
	37057,62		217,64	41441,53

9'	10'	11'	12'	13'
				2499,77
	2964,61		17,41	3315,32
	40022,23		235,05	47256,62

				2637,60
		3,20	40,32	40,32
12,00	2805,12			2805,12
0,90	3,60			3,60
3,20	36,71			36,71
				2527,70
		3,20	38,64	38,64
12,00	2688,24			2688,24
0,90	3,60			3,60
3,20	35,18			35,18
				1626,52
		3,20	24,86	24,86
8,00	1153,22			1153,22
0,90	3,60			3,60
3,20	22,64			22,64
				1055,04

9'	10'	11'	12'	13'
		3,20	16,13	16,13
3,60	336,61			336,61
0,90	3,60			3,60
3,20	14,68			14,68
				1494,64
		3,20	22,85	22,85
2,50	331,16			331,16
0,90	3,60			3,60
3,20	20,80			20,80
				1700,00
2,80	672,00			672,00
2,20	506,00			506,00
1,80	266,40			266,40
1,20	115,20			115,20
0,90	122,40			122,40
				1127,32
		3,20	200,04	200,04
0,51	28,56			28,56
0,73	61,32			61,32
1,20	24,00			24,00
2,00	32,00			32,00
2,50	105,00			105,00

9'	10'	11'	12'	13'
2,90	92,80			92,80
2,40	14,40			14,40
3,30	79,20			79,20
7,10	85,20			85,20
15,30	275,40			275,40
0,55	4,40			4,40
0,75	24,00			24,00
2,10	25,20			25,20
3,20	57,60			57,60
5,00	50,00			50,00
5,00	70,00			70,00
10,00	240,00			240,00
10,50	168,00			168,00
15,80	126,40			126,40
10,50	84,00			84,00
15,80	126,40			126,40
3,20	31,80			31,80
				252,00
		3,20	9,98	9,98
25,00	225,00			225,00
18,00	216,00			216,00
12,00	36,00			36,00
14,00	392,00			392,00
2,40	63,36			63,36
3,20	5,38			5,38
				131,04
		3,20	0,97	0,97
25,00	327,95			327,95
3,20	3,20			3,20
3,20	3,17			3,17

9'	10'	11'	12'	13'
				24,00
3,80	45,60			45,60
	12267,70		353,80	25197,36
	1226,77		35,38	2519,74
	981,42		28,30	2015,79
	14475,89		417,49	29732,89
	54498,11		652,53	76989,51

Construction of the Regional Educational and Consultation Apicultural Centre

Computer and telephone networks

Construction of the Regional Educational and Consultation Apicultural Centre

H Computer and telephone network

#	Basis	Name of work	Dimension	Normative resource		Labour		Material
				Per unit	All	Per unit price	All	
1'	2'	3'	4'	5'	6'	7'	8'	9'
1	11-902-10	Communication cabinet RACK 12U (with thermostat and ventilator block)	unit		1,00			
		Labour resources	p.p./hr	25,00	25,00	6,00	150,00	
		Material resources	GEL	1,91	1,91			3,20
		Vehicles	GEL	0,89	0,89			
		Communication cabinet RACK 12U	kompl	1,00	1,00			500,00
2	10-276-2Iss	Uninterruptible power supply Smart UPS 1000VA	unit		1,000			
		Labour resources	p.p./hr	16,00	16,000	6,00	96,00	
		Material resources	GEL	2,970	2,970			3,20
		Smart UPS 1000VA	unit		1,0			850,00
3	10-972-2	Pitch panel 24 port Cat 5e	unit		1,00			
		Labour resources	p.p./hr	10,00	10,00	6,00	60,00	
		Material resources	GEL	13,70	13,70			3,20
		Vehicles	GEL	1,78	1,78			

1'	2'	3'	4'	5'	6'	7'	8'	9'
		Pitch panel 24 port Cat 5e	unit	1,000	1,00			100,00
4	10-116-1	Network commutator 24 port (DATA,IPTV,VoIP,CCTV) (Settings of network commutators and component facilities shall be agreed upon with the customer in advance)	unit		1,00			
		Labour resources	p.p./hr	19,00	19,00	6,00	114,00	
		Material resources	GEL	0,80	0,80			3,20
		Network commutator 24 port (DATA,IPTV,VoIP,CCTV)	unit	1,00	1,00			1200,00
5	11-953-1	Computer receptacle RG45 (Fifth category)	unit		12,0			
		Labour resources	p.p./hr	1,00	12,0	6,00	72,00	
		Material resources	GEL	0,110	1,3			3,20
		Computer receptacle RG45 (Fifth category)	unit		12,0			35,00
6	11-953-1	Telephone receptacle RG45 (fifth category)	unit		10,0			
		Labour resources	p.p./hr	1,00	10,0	6,00	60,00	
		Material resources	GEL	0,110	1,1			3,20
		Telephone receptacle RG45 (fifth category)	unit		10,0			35,00
7	10-54-4	Cabel installation	length meter		450,0			
		Labour resources	p.p./hr	0,28	126,00	7,00	882,00	
		Material resources	GEL	0,1070	48,15			3,20
		Vehicles	GEL	0,049	22,05			
		Computer network cabel FTP Cat5e	length meter		450,0			3,00
8		Receptacle gudgeon	unit		14,0			1,50
9	8-418-1	Installation corrugated pipeØ16mm	length meter		200,0			
		Labour resources	p.p./hr	0,15	30,0	5,00	150,00	
		Material resources	GEL	0,0115	2,3			3,20
		Vehicles	GEL	0,0017	0,34			

1'	2'	3'	4'	5'	6'	7'	8'	9'
10		Installation corrugated pipeØ16mm	length meter		200,0			1,20
	8-398-1.	Iron cable channel perforated 200X60X1,0mm	length meter		10,00		9,50	
		Labour resources	p.p./hr	0,19	1,90	5,00		
		Material resources	GEL	0,100	1,00			3,20
		Vehicles	GEL	0,706	7,06			
		Iron cable channel perforated 200X60X1,0mm	length meter		10,00			40,00
11		Ceiling fixing construction of Iron cable channel 200X60X1,0mm	unit		10,00			14,00
12	8-398-1.	Iron cable channel perforated 200X60X1,0mm	length meter		20,00		19,00	
		Labour resources	p.p./hr	0,19	3,80	5,00		
		Material resources	GEL	0,100	2,00			3,20
		Vehicles	GEL	0,706	14,12			
		Iron cable channel perforated 200X60X1,0mm	length meter		20,00			23,00
13		Ceiling fixing construction of Iron cable channel 200X60X1,0mm	unit		10,00			
		Sum					1612,50	
		Installation way-bill expenses	percent		65,00		1048,13	
		Profit	percent		8,00		129,00	
		Sum H					2789,63	

Total cost		9722,97	GEL
Salary		1612,50	GEL
Installation		2949,43	GEL
Material	Construction mechanisms		Sum
All	Per unit price	All	
10'	11'	12'	13'
6,11	3,20	2,85	150,00
500,00			6,11
			2,85
			500,00
9,50			96,00
850,00			9,50
			850,00
43,84	3,20	5,70	60,00
			43,84
			5,70

10'	11'	12'	13'
100,00			100,00
2,56 1200,00			114,00 2,56 1200,00
4,22 420,00			72,00 4,22 420,00
3,52 350,00			60,00 3,52 350,00
154,08 1350,00	3,20	70,56	882,00 154,08 70,56 1350,00
21,00			21,00
7,36	3,20	1,09	150,00 7,36 1,09

10'	11'	12'	13'
240,00			240,00
3,20	3,20	22,59	9,50 3,20 22,59
400,00			400,00
140,00			140,00
6,40	3,20	45,18	19,00 6,40 45,18
460,00			460,00
0,00			0,00
6271,80		147,97	8032,27
			1048,13
501,74		11,84	642,58
6773,54		159,81	9722,97

Construction of the Regional Educational and Consultation Apicultural Centre

Construction of the Regional Educational and Consultation Apicultural Centre

I TV network

Total cost
Salary
Installation

#	Basis	Name of work	Normative resource		Labour		Material		Constr mech
			Dimension	Per unit	All	Per unit price	All	Per unit price	All
1'	2'	3'	4'	5'	6'	7'	8'	9'	10'
1	10-319-1	Splitter 1/2	unit		1,0				
		Labour resources	p.p./hr	2,00	2,0	6,00	12,00		
		Material resources	GEL	0,0200	0,0			5,20	0,10
		Splitter 1/2	unit		1,0			11,99	11,99
2	11-953-1	TV receptacle	unit		2,0				
		Labour resources	p.p./hr	1,00	2,0	7,00	14,00		
		Material resources	GEL	0,110	0,2			5,20	1,14
		TV receptacle	unit		2,0			20,00	40,00
3	10-54-4	Cable installation	grZ.m		50,0				
		Labour resources	p.p./hr	0,28	14,00	7,00	98,00		
		Material resources	GEL	0,1070	5,35			3,20	17,12
		Vehicles	GEL	0,049	2,45				
		TV network cable RG 6	length meter		50,00			2,00	100,00
		Sum					124,00		170,36
		Installation way-bill expenses	percent		72,00		89,28		
		Profit	percent		8,00		9,92		12,30
		Sum I					223,20		182,66

414,33
124,00
231,67

GEL
GEL
GEL

uction anisms		Sum
Per unit price	All	
11'	12'	13'
		12,00 0,10 11,99
		14,00 1,14 40,00
		98,00 17,12 7,84 100,00
3,20	7,84	
	7,84	302,20
		89,28
	0,63	22,85
	8,47	414,33

Construction of the Regional Educational and Consultation Apicultural
Centre

J Ventilation

#	Basis	Name of work	Source resource		Labour		Material	
			Dimension	Per unit	All	Per unit price	All	Per unit price
1'	2'	3'	4'	5'	6'	7'	8'	9'
		I Devices						
		Equipments						
1	20-41-3Iss.	Piped fan coil flowing 2000 m3/hr , 70 Pa	complete		1,000			
		Labour resources	p.p./hr	108,000	108,000	6,00	648,00	
		Vehicles	GEL	6,280	6,280			
		Ventilation equipment	unit	1,000	1,000			1000,00
		Tool consumables	GEL	11,000	11,000			3,20
2	20-41-3Iss.	Piped ventilation equipment 450 m3/hr flowing , 390 m3/hr exhaust device , 200 Pa , with recuperator	complete		1,000			
		Labour resources	p.p./hr	108,000	108,000	6,00	648,00	
		Vehicles	GEL	6,280	6,280			
		Ventilation equipment	unit	1,000	1,000			560,00
		Tool consumables	GEL	11,000	11,000			3,20
3	20-41-3Iss.	Piped ventilation equipment 330 m3/hr flowing , 290 m3/hr exhaust device , 200 Pa , with recuperator	complete		1,000			
		Labour resources	p.p./hr	108,000	108,000	6,00	648,00	

1'	2'	3'	4'	5'	6'	7'	8'	9'
		Vehicles	GEL	6,280	6,280			
		Ventilation equipment	unit	1,000	1,000			400,00
		Tool consumables	GEL	11,000	11,000			3,20
4	20-41-3Iss.	Piped ventilation equipment 860 m3/hr flowing, 800 m3/hr exhaust device, 200 Pa , with recuperator	complete		1,000		648,00	
		Labour resources	p.p./hr	108,000	108,000	6,00		
		Vehicles	GEL	6,280	6,280			
		Ventilation equipment	unit	1,000	1,000			800,00
		Tool consumables	GEL	11,000	11,000			3,20
5	20-41-3Iss.	Piped ventilation equipment 480 m3/hr flowing, 530 m3/hr exhaust device, 200 Pa , with recuperator	complete		1,000		648,00	
		Labour resources	p.p./hr	108,000	108,000	6,00		
		Vehicles	GEL	6,280	6,280			
		Ventilation equipment	unit	1,000	1,000			600,00
		Tool consumables	GEL	11,000	11,000			3,20
6	20-23-5.	exhaust device piped ventilator V=500 m3/hr	unit		5,000		516,00	
		Labour resources	p.p./hr	17,200	86,000	6,00		
		Vehicles	GEL	4,830	24,150			
		Ventilation equipment	unit	1,000	5,000			450,00
		Tool consumables	GEL	4,010	20,050			3,20
7	20-23-5.	exhaust device ventilator with opposite valve Q-75m3/sT, 75-Pa	unit		9,000		928,80	
		Labour resources	p.p./hr	17,200	154,800	6,00		
		Vehicles	GEL	4,830	43,470			
		Ventilation equipment	unit	1,000	9,000			150,00
		Tool consumables	GEL	4,010	36,090			3,20
		Sum					4684,80	
		Equipment installation way-bill expenses	percent		60,00		2810,88	

1'	2'	3'	4'	5'	6'	7'	8'	9'
		Profit	percent		10,00		468,48	
		Sum Devices					7964,16	

II Air duct and reinforcement									
8	20-1-2.	Air duct from galvanized fine-sheeted steel δ=0,5mm.	sq.m		50,00		357,00		
		Labour resources	p.p./hr	1,190	59,500	6,00			
		Vehicles	GEL	0,0359	1,795				
		Air duct from galvanized fine-sheeted steel δ=0,5mm.	sq.m	1,000	50,000				33,50
		Clinches	kg	1,220	61,000				2,40
		Tool consumables	GEL	0,148	7,400				3,20
9	20-1-4.	Air duct from galvanized fine-sheeted steel δ=0,7mm.	sq.m		45,00		189,54		
		Labour resources	p.p./hr	0,702	31,590	6,00			
		Vehicles	GEL	0,0409	1,841				
		Air duct from galvanized fine-sheeted steel δ=0,7mm.	sq.m	1,000	45,000				37,00
		Clinches	kg	2,250	101,250				2,40
		Tool consumables	GEL	0,110	4,950				3,20
10	20-7-1.	Air sieve 210X60 mm	unit		25,00		201,00		
		Labour resources	p.p./hr	1,340	33,50	6,00			
		Vehicles	GEL	0,06	1,50				
	7-537	Air sieve 210X60 mm	unit	1,00	25,00				26,10
		Tool consumables	GEL	0,18	4,50				3,20
11	20-7-1.	Air sieve 200X150 mm	unit		4,00		32,16		
		Labour resources	p.p./hr	1,340	5,36	6,00			
		Vehicles	GEL	0,06	0,24				

1'	2'	3'	4'	5'	6'	7'	8'	9'
	7-537	Air sieve 200X150 mm Tool consumables	unit GEL	1,00 0,18	4,00 0,72			35,00 3,20
12	20-7-1.	Air sieve 300X150 mm Labour resources Vehicles	unit p.p./hr GEL	1,340 0,06	2,00 0,12	6,00	16,08	
	7-537	Air sieve 300X150 mm Tool consumables	unit GEL	1,00 0,18	2,00 0,36			45,00 3,20
13	20-7-1.	Air sieve 300X200 mm Labour resources Vehicles	unit p.p./hr GEL	1,340 0,06	1,00 0,06	6,00	8,04	
	7-537	Air sieve 300X200 mm Tool consumables	unit GEL	1,00 0,18	1,00 0,18			45,00 3,20
14	20-7-1.	Air sieve 350X200 mm Labour resources Vehicles	unit p.p./hr GEL	1,340 0,06	1,00 0,06	6,00	8,04	
	7-537	Air sieve 350X200 mm Tool consumables	unit GEL	1,00 0,18	1,00 0,18			50,00 3,20
15	20-7-1.	Air sieve 1000X220 mm Labour resources Vehicles	unit p.p./hr GEL	1,340 0,06	2,00 0,12	6,00	16,08	
	7-537	Air sieve 1000X220 mm Tool consumables	unit GEL	1,00 0,18	2,00 0,36			145,00 3,20
16	20-7-1.	Air sieve 150X150 mm Labour resources Vehicles	unit p.p./hr GEL	1,340 0,06	5,00 0,30	6,00	40,20	
	7-537	Air sieve 150X150 mm Tool consumables	unit GEL	1,00 0,18	5,00 0,90			22,00 3,20
17	16-6-2.	Plastic sewer pipesØ=100mm	length meter		49,400			

1'	2'	3'	4'	5'	6'	7'	8'	9'
		Labour resources	p.p./hr	0,583	28,800	6,00	172,80	
		Vehicles	GEL	0,0046	0,227			
		Plastic sewer pipes Ø=100mm	length meter	1,000	49,400			7,00
		Pipe clinches	kg	0,235	11,609			2,40
		Tool consumables	GEL	0,208	10,275			3,20
18	16-6-1.	Plastic sewer pipes Ø=50mm	length meter		6,500			
		Labour resources	p.p./hr	0,609	3,959	6,00	23,75	
		Vehicles	GEL	0,0021	0,014			
		Plastic sewer pipes Ø=50mm	length meter	1,000	6,500			3,50
		Pipe clinches	kg	0,140	0,910			2,40
		Tool consumables	GEL	0,156	1,014			3,20
19	22-23-3.	Arrangement of fitting parts	unit		22,000			
		Labour resources	p.p./hr	7,880	173,360	6,00	1040,16	
		Vehicles	GEL	3,020	66,440			
	6..-899	100*100 tee 90°	unit	with project	21,000			2,50
	6..-520	100*90° bend	unit	with project	1,000			0,73
		Tool consumables	GEL	0,240	5,280			3,20
		Sum					2104,85	
		Way-bill expenses	percent		8,00		168,39	
		Profit	percent		9,00		189,44	
		Sum Air duct and reinforcement					2462,68	
		Sum J (Devices+Air duct and r.)					10426,84	

Total cost

Salary

Installation

25561,23

6789,65

8312,71

GEL

GEL

GEL

Construction mechanisms			Sum
All	Per unit price	All	
10'	11'	12'	13'
1000,00	3,20	20,10	648,00
35,20			20,10
			1000,00
			35,20
560,00	3,20	20,10	648,00
35,20			20,10
			560,00
			35,20
			648,00

10'	11'	12'	13'
400,00 35,20	3,20	20,10	20,10 400,00 35,20
800,00 35,20	3,20	20,10	648,00 20,10 800,00 35,20
600,00 35,20	3,20	20,10	648,00 20,10 600,00 35,20
2250,00 64,16	3,20	77,28	516,00 77,28 2250,00 64,16
1350,00 115,49	3,20	139,10	928,80 139,10 1350,00 115,49
7315,65		316,86	12317,31
			2810,88

10'	11'	12'	13'
731,56		31,69	1231,73
8047,21		348,55	16359,92

			357,00
	3,20	5,74	5,74
1675,00			1675,00
146,40			146,40
23,68			23,68
			189,54
	3,20	5,89	5,89
1665,00			1665,00
243,00			243,00
15,84			15,84
			201,00
	3,20	4,80	4,80
652,50			652,50
14,40			14,40
			32,16
	3,20	0,77	0,77

10'	11'	12'	13'
140,00 2,30			140,00 2,30
90,00 1,15	3,20	0,38	16,08 0,38 90,00 1,15
45,00 0,58	3,20	0,19	8,04 0,19 45,00 0,58
50,00 0,58	3,20	0,19	8,04 0,19 50,00 0,58
290,00 1,15	3,20	0,38	16,08 0,38 290,00 1,15
110,00 2,88	3,20	0,96	40,20 0,96 110,00 2,88

10'	11'	12'	13'
345,80 27,86 32,88	3,20	0,73	172,80 0,73 345,80 27,86 32,88
22,75 2,18 3,24	3,20	0,04	23,75 0,04 22,75 2,18 3,24
52,50 0,73 16,90	3,20	212,61	1040,16 212,61 52,50 0,73 16,90
5674,31		232,69	8011,85
453,94		18,62	640,95
340,46		18,62	548,51
6468,71		269,92	9201,31
14515,92		618,47	25561,23

Construction of the Regional Educational and Consultation Apicultural Centre

Construction of the Regional Educational and Consultation Apicultural Centre

K Outdoor lighting

#	Basis	Name of work	Dimension	Normative resource		Labour		Mat
				Per unit	All	Per unit price	All	
1'	2'	3'	4'	5'	6'	7'	8'	9'
I Construction works								
1	1-78-3	Trench digging for 1 cable Labour resources	m3 p.p./hr	2,780	55,000 152,900	5,00	764,50	
2	srf2018-II C15p.20	Priming coat transportation on 20 km distance	ton		32,200			
3	1-969	Land backfilling Labour resources	m3 p.p./hr	1,210	36,600 44,286	5,00	221,43	
4	8-3-2. 4,1-227	Sand foundation arrangement Labour resources Vehicles Sand and gravel mixture Tool consumables	m3 p.p./hr GEL m3 GEL	0,890 0,370 1,150 0,020	15,000 13,350 5,550 17,250 0,300	5,00	66,75	22,00 3,20
5	1-80-7	Pit digging for outdoor light columns arrangement Labour resources	m3 p.p./hr	3,88	1,60 6,2	5,00	31,04	
6	6-1-1.	Outdoor light columns concreting	m3		1,12			

1'	2'	3'	4'	5'	6'	7'	8'	9'
	4,1-339	Labour resources	p.p./hr	1,370	1,53	5,00	7,67	
		Vehicles	GEL	0,283	0,317			
		Concrete ~B7,5~	m3	1,020	1,142			89,00
		Tool consumables	GEL	0,620	0,694			3,20
		Sum					1091,39	
		Way-bill expenses	percent		10,00		109,14	
		Profit	percent		8,00		87,31	
		Sum Construction works					1287,84	

II Installation works

7	33-204-1Iss	3m high metal mast (of special fabrication)	unit		11,00		838,20		
	Codeo488	Labour resources	p.p./hr	12,70	139,70	6,00			
		Caterpillar movement crane 10ton.	m/hr	1,74	19,14				
		Vehicles	GEL	1,21	13,31				
		3m high metal mast (of special fabrication)	unit		11,00			250,00	
		Tool consumables	GEL	0,70	7,70			3,20	
8	8-597-2	Outdoor light illuminator with LED bulb 100 W	unit		11,00		228,36		
		Labour resources	p.p./hr	3,46	38,06	6,00			
		Material resources	GEL	2,21	24,31				3,20
		Vehicles	GEL	3,36	36,96				
		Outdoor light illuminator with LED bulb 100 W	unit		11,0			70,00	
		Sum					1066,56		
		Installation way-bill expenses	percent		75,00		799,92		
		Profit	percent		8,00		85,32		
		Sum Installation works					1951,80		
		Sum K (Construction + installation works)					3239,65		

Total cost **9082,29** **GEL**
 Salary **2157,95** **GEL**
 Installation **2908,56** **GEL**

Material	Construction mechanisms		Sum
	Per unit price	All	
10'	11'	12'	13'
			764,50
	10,00	322,00	322,00
			221,43
379,50 0,96	3,20	17,76	66,75 17,76 379,50 0,96
			31,04

10'	11'	12'	13'
			7,67
	3,20	1,01	1,01
101,67			101,67
2,22			2,22
484,36		340,77	1916,52
48,44		34,08	191,65
38,75		27,26	153,32
571,54		402,11	2261,50

			838,20
	37,88	725,02	725,02
	3,20	42,59	42,59
2750,00			2750,00
24,64			24,64
			228,36
77,79			77,79
	3,20	118,27	118,27
770,00			770,00
3622,43		885,89	5574,88
			799,92
289,79		70,87	445,99
3912,23		956,76	6820,79
4483,77		1358,87	9082,29