



The “Transboundary Biosphere Reserve Prespa” Project

## Pogradec Multifunctional Center

Preventivat  
Bill of quantities

“Renovation and Construction works for the  
Administration and Visitor’s infrastructure in the  
Ohrid-Prespa Biosphere Reserve located in  
Pogradec (Korce region)”

Bill of Quantities  
Annex 1

**The “Transboundary Biosphere Reserve Prespa” Project**

**Multifunctional centre in Pogradec**

**Bill of quantities BOQ**

Nr	Description of Works	Units	Quantity	Price	Value EUR
<b>CONSTRUCTION WORKS AND DEMOLITION</b>					
1	Partition brick wall with holes t = 12 cm	m <sup>3</sup>	34,00		-
2	Interior wall plastering	m <sup>2</sup>	1799		-
3	Plastering the ceiling h <4m with additive Master Cast 125	m <sup>2</sup>	595		-
4	Coating with gress tiles in height	m <sup>2</sup>	115		-
5	Leveling layer for tile layer	m <sup>2</sup>	595		-
6	Coating tiles gressporcelanate + adhesive	m <sup>2</sup>	735		-
7	Vertical waterproofing of sanitary joints with 2 components A + B	m <sup>2</sup>	60		-
8	Waterproofing the floor with 2 components A + B	m <sup>2</sup>	33		-
9	Supply & Installation of aluminum interior doors	m <sup>2</sup>	56,00		-
10	Supply & Installation Aluminum double glazed windows (Ve	m <sup>2</sup>	87,00		-
11	Supply & Installation Aluminum double glazed windows	m <sup>2</sup>	19,00		-
12	Hand excavation (plinths)	m <sup>3</sup>	20,25		-
13	Beam, Column and Plinths reinforced concrete	m <sup>3</sup>	59,00		-
14	Painting the porch railings with oil paint	m <sup>2</sup>	30,00		-
15	Terrazzo waterproofing with two layers of sheathing	m <sup>2</sup>	407		-
16	Terrace parapet with brick wall 25 cm and height 50 cm	m <sup>3</sup>	13,4		-
17	Wooden pergola	m <sup>2</sup>	50		-
18	External railing h = 150 cm and base reinforcement	m <sup>2</sup>	348		-
19	Concrete iron	kg	8717,6		-
20	Reinforced concrete fracture	m <sup>3</sup>	30		-
21	Construction of protective scaffolding during concreting	m <sup>2</sup>	36		-
22	Facade cladding	m <sup>2</sup>	612		-
23	Demolition and waste transportation		1		-
24	Elevator for people with disabilities	pcs	1		-
				<b>Amount 1</b>	-
<b>GREEN SURFACE</b>					
1	Filling with humus soil	m <sup>3</sup>	135,00		-
2	Grass planting	m <sup>2</sup>	2700,00		-
3	Gravel layer t = 15cm	m <sup>3</sup>	50,00		-
4	Sand filling	m <sup>3</sup>	110,00		-
				<b>Amount 2</b>	-
<b>Construction works amount 1 to 2</b>					

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<b>SUMMARY OF THE BoQ</b>					
<b>I</b>	Construction and Demolition Works	ALL			-
<b>III</b>	Sanitary installations + heating reinstallation	ALL			-
<b>IV</b>	Electrical Works	ALL			-
	<b>Amount</b>	ALL			-
	Unforeseen works 10%	ALL			-
	<b>Amount</b>	ALL			-
	TVSH 20%	ALL			-
	<b>TOTAL AMOUNT</b>	<b>ALL</b>			<b>-</b>



**Ark. O.Zoto**

Bill of Quantities  
Annex 1

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Multifunctional centre in Pogradec

PREVENTIV

Nr	Perskrimi I Punimeve	Njesia	Sasia	Cmimi	Vlera
<b>PUNIME NDERTIMI E PRISHJE</b>					
1	Mur tulle ndares me bira t = 12 cm	m <sup>3</sup>	34,00		
2	Suvatim muri l brenshem	m <sup>2</sup>	1799		
3	Suvatim tavani h< 4m meadetiv Master Cast 125	m <sup>2</sup>	595		
4	Veshje me pllaka gress ne lartesi	m <sup>2</sup>	115		
5	Shtrese niveluese per shtresen me pllaka	m <sup>2</sup>	595		
6	Shtrese pllaka gressporcelanate + kolle	m <sup>2</sup>	735		
7	H/izolim vertikal l te nyjeve sanitare2 komponent A + B	m <sup>2</sup>	60		
8	H/izolim l dyshemese me 2 komponent A + B	m <sup>2</sup>	33		
9	F.V dyer te brendeshme alumini	m <sup>2</sup>	56,00		
10	F.V Vetrata Alumini dopio xham	m <sup>2</sup>	87,00		
11	F.V Dritare alumini dopio xham	m <sup>2</sup>	19,00		
12	Germim dheu me krahe (plinta)	m <sup>3</sup>	20,25		
13	Trare ,Kollona e Plintus beton arme	m <sup>3</sup>	59,00		
14	Lyerje parrake veranda me boje vaji	m <sup>2</sup>	30,00		
15	Hidroizolim tarrace me dy duar guajno	m <sup>2</sup>	407		
16	Parapet tarrace me mur tulle 25 cm e lartesi 50 cm	m <sup>3</sup>	13,4		
17	Piergullate druri	m <sup>2</sup>	50		
18	Kangjella te jashtme h=150 cm e perforcim xokoli	m <sup>2</sup>	348		
19	Hekur betoni	kg	8717,6		
20	Thyerje b/arme	m <sup>3</sup>	30		
21	Ndertim skele mbrojtese gjat betonimit	m <sup>2</sup>	36		
22	Veshje e fasades me kapote	m <sup>2</sup>	612		
23	Prishje e transport mbeturinash		1		
24	Ashensor per njerezit me aftesi ndryshe	pcs	1		
				<b>Shuma 1</b>	<b>-</b>
<b>SIPERFAQE E GJELBER ,LULISHTE</b>					
1	Mbushje me dhe humusor	m <sup>3</sup>	135,00		-
2	Mbjellje bari	m <sup>2</sup>	2700,00		-
3	Shtrese cakelli t=15cm	m <sup>3</sup>	50,00		-
4	Mbushje rere	m <sup>3</sup>	110,00		-
				<b>Shuma2</b>	<b>-</b>
<b>Punime Ndertimi shuma 1 deri ne2</b>					
					<b>-</b>

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<b>PERMBLEDHESE E PREVENTIVIT</b>					
<b>I</b>	Punime Ndertimi e Prishje	leke			-
<b>III</b>	Instalime h/sanitare + riinstalimin e ngrohjes	leke			
<b>IV</b>	Punime Elektrike	leke			
	<b>Shuma</b>	leke			
	Punime te paparashikuara 10%	leke			
	<b>Shuma</b>	leke			
	TVSH 20%	leke			
	<b>SHUMA TOTALE</b>	<b>Leke</b>			-



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BoQ of electrical works

Nr	Name of the Material	Unit	Quantity	Price	Value EUR
<b>B Main power distribution lines inside the building</b>					
1	Supply & Installation Separate conductor, copper, 6mm <sup>2</sup> , multi-threaded, 0.6 / 1kV insulated with PVC, "brown" color(N07V-K)	ml	165		-
2	Supply & Installation Separate conductor, copper, 6mm <sup>2</sup> , multi-threaded, 0.6 / 1kV insulated with PVC, "blue" color (N07V-K)	ml	165		-
3	Supply & Installation Separate conductor, copper, 6mm <sup>2</sup> , multi-threaded, 0.6 / 1kV insulated with PVC, color "green & yellow" (N07V-K)	ml	165		-
4	Supply & Installation PVC Pipe Ø = 32mm, EN 61386-23, 1250N (heavy)	m	165		-
5	Supply & Installation Cast iron frame and cap for supply line wells (90cm x90cm)	pcs	1		-
6	Supply & Installation Construction of concrete wells 1mx1mx1m (0.8m <sup>3</sup> for wells)	m <sup>3</sup>	0,8		-
7	Supply & Installation Capicords for conductors with 6mm <sup>2</sup> section	pcs	90		-
<b>AMOUNTS B</b>					-
<b>C Secondary Electrical Frames</b>					
1	Supply & Installation Electric Frame, 16 DIN modules, (IP 40 - EN 60529), wall mounting	pcs	10		-
2	Supply & Installation of Differential Magnetothermal Switch In = 25A, Id = 0,03A, 2Polar, AC Type	pcs	10		-
3	Supply & Installation of Magnetothermal Switch 16A, 2P,	pcs	7		-
4	Supply & Installation Magnetothermal Switch 10A, 2P	pcs	9		-
5	Supply & Installation of lighting relay for pushbutton 10A, 2P	pcs	2		-
6	Led Light Supply & Installation, 1 DIN Module, 230V (presence of voltage for each phase of the main line)	pcs	10		-
<b>AMOUNTS C</b>					-
<b>D INSTALLATION OF INTERIOR LIGHTING OF THE BUILDING</b>					
1	Supply & Installation of LED Lighting, 4000K, 4000lm, IP40, UGR <19, 60x60cm, (ceiling mounting, Type A)	pcs	24		-
2	Supply & Installation LED lighting, 5500K, 4000lm, IP40, UGR <19, 120x30cm, 5000 ÷ 5500lm, 4000K, variable intensity, (ceiling mounting, Type B)	pcs	33		-
3	Supply & installation of LED lighting, 4000K, 250-500 lumens, IP44, (bathroom), ceiling mounting (in scheme Type C)	pcs	16		-
4	Supply & installation of LED lighting, 4000K, 800lm, IP41, (kitchen, room, bathroom), ceiling mounting (in scheme Type D)	pcs	16		-
5	Supply & installation of LED lighting, 4000K, 680-900lm, IP41, 40x40cm, ceiling mounting (in scheme Type E)	pcs	9		-
6	Supply & Installation Copper conductor, S = 1.5mm <sup>2</sup> , PVC insulation, 06 / 1kV, brown color, (N07V-K)	ml	350		-
7	Supply & Installation Copper conductor, S = 1.5mm <sup>2</sup> , PVC insulation, 06 / 1kV, blue color, (N07V-K)	ml	350		-
8	Supply & Installation Copper conductor, S = 1.5mm <sup>2</sup> , PVC insulation, 06 / 1kV, yellow / green, (N07V-K)	ml	350		-
9	Supply & Installation Copper conductor, S = 1.5mm <sup>2</sup> , PVC insulation, 06 / 1kV, black color, (N07V-K)	ml	35		-
10	Supply & Installation PVC pipe, flexible, strong, self-tapping Ø = 20mm	ml	350		-
11	Supply & Installation Branch box for lighting conductors, 120x100mm (PT2)	pcs	25		-
12	Supply & Installation Box, support and cover for 3 modules	pcs	47		-
13	Supply & Installation Lighting switch, 10A, 250V, 1P	pcs	23		-
14	Supply & Installation Deviat lighting switch, 10A, 250V, 1P	pcs	6		-
15	Supply & Installation Inverter lighting switch, 10A, 250V, 1P	pcs	3		-
16	Supply & Installation Pulse for lighting relays, 10A, 250V, 1P (4 relays)	pcs	15		-
17	Supply & Installation Motion sensor, 10A, 250V, 1P	pcs	6		-
<b>AMOUNTS D</b>					-
<b>E EMERGENCY INSTALLATION</b>					
1	Supply & Installation of LED Lighting, > = 4000K, 300lm, IP65	pcs	25		-
6	Supply & Installation Copper conductor, S = 1.5mm <sup>2</sup> , PVC insulation, 06 / 1kV, brown color, (N07V-K)	ml	120		-
7	Supply & Installation Copper conductor, S = 1.5mm <sup>2</sup> , PVC insulation, 06 / 1kV, blue color, (N07V-K)	ml	120		-
8	Supply & Installation Copper conductor, S = 1.5mm <sup>2</sup> , PVC insulation, 06 / 1kV, yellow / green, (N07V-K)	ml	120		-
10	Supply & Installation PVC pipe, flexible, strong, self-tapping Ø = 20mm	ml	120		-
11	Supply & Installation Branch box for lighting conductors, 120x100mm (PT2)	pcs	12		-
<b>AMOUNTS J</b>					-

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<b>F ELECTRICAL INSTALLATIONS OF POWER AND SOCKETS</b>					
1	Supply & Installation Copper conductor, S = 2.5mm <sup>2</sup> , PVC insulation, 06 / 1kV, brown color, (N07V-K)	m	320		-
2	Supply & Installation Copper conductor, S = 2.5mm <sup>2</sup> , PVC insulation, 06 / 1kV, blue color, (N07V-K)	m	320		-
3	Supply & Installation Copper conductor, S = 2.5mm <sup>2</sup> , PVC insulation, 06 / 1kV, yellow / green, (N07V-K)	m	320		-
4	Supply & Installation Flexible PVC pipe, self-tapping, Ø = 25mm, EN 61386-22, 750N	m	320		-
5	Supply & Installation Plug 2P + T, Bivalent, 16A, 250V, P17 / P11	pcs	52		-
6	Supply & Installation Plug 2P + T Universal, 16A, 250V, P30 / P17	pcs	116		-
7	Supply & Installation Box, support and cover for 6 modules	pcs	5		-
8	Supply & Installation Box, support and cover for 4 modules	pcs	32		-
9	Supply & Installation Box, support and cover for 3 modules	pcs	42		-
10	Supply & Installation One phase output for stove, boiler and air conditioner	pcs	3		-
<b>AMOUNTS F</b>					-
<b>G NETWORK INSTALLATION DATA</b>					
1	Supply & Installation 19 "metal rack, 15U, transparent door (shutters), ground, 760 x 600 x 600 mm	pcs	1		-
2	Supply & Installation UTP Cable, CAT 6E	m	375		-
3	Supply & Installation Flexible pipe, strong, self-extinguishing, Ø = 25mm	m	375		-
4	Supply & Installation Plugs RJ-45, CAT 6E	pcs	25		-
5	Supply & Installation Box, support and cover for 3 modules	pcs	25		-
6	Supply & Installation Switch 24port, 100Mbps	pcs	1		-
7	Router / ADSL Modem	pcs	1		-
<b>AMOUNTS G</b>					-
<b>H TELEPHONE NETWORK INSTALLATION</b>					
1	Supply & Placement Central Telephone with 12 lines of internal users	cope	1		-
2	Supply & Installation Plugs RJ-11 1 module	cope	10		-
3	Supply & Installation Telephone line 2x0.5mm <sup>2</sup>	cope	110		-
<b>AMOUNTS H</b>					-
<b>J INSTALLATION OF FIRE ALARM SYSTEMS</b>					
1	Supply & Installation of digital fire alarm with 2-zone addressing (EN 54-2, EN 54-4), complete with battery and power adapter 230 V	kit	1		-
2	Supply & Installation Detector Addressable smoke	pcs	5		-
3	Supply & Installation Addressable Heat Detector	pcs	1		-
4	Supply & Installation Manual alarm button	pcs	5		-
5	Supply & Installation Internal fire alarm (alarm siren)	pcs	2		-
6	Supply & Installation External fire alarm signal (alarm siren)	pcs	1		-
7	Supply & Installation Visual Fire Alarm (Illuminated)	pcs	1		-
8	Supply & Installation Flexible PVC pipe, self-tapping, Ø = 20mm, EN 61386-22	ml	180		-
9	Supply & Installation Cable 2x1mm <sup>2</sup> fire resistant, with fencing (EN 50200), (FM1OHM1)	ml	180		-
10	Supply & Installation Cable 2x1.5 <sup>2</sup> food Siren and Illuminated Visual Signaling	ml	50		-
<b>AMOUNTS J</b>					-
<b>I INSTALLATION GROUNDING SYSTEM AND PROTECTION FROM ATMOSPHERIC DISCHARGES</b>					
1	Supply & Installation Copper conductor, Ø = 35mm, green / yellow (N07V-K)	ml	50		-
2	Supply & Installation Galvanized iron Ø10 mm, (terrace perimeter, roof)	ml	90		-
3	Supply & Installation Zinc mounting accessories, 25x3mm (around the building on the ground)	ml	260		-
4	Supply & Installation Lightning rod Ø 16 mm	pcs	8		-
5	Supply & Installation Grounding System electrodes, 50x50x5 mm L = 1.5 m	pcs	8		-
6	Supply & Installation of Detachment for measurement	pcs	8		-
7	Supply & Installation of galvanized metal coupling, with screws and nuts, for profile strip-strip and strip-driver	pcs	50		-
8	Supply & Installation Wells Cast iron lid, 30x30cm	pcs	8		-
9	Supply & Installation PVC pipe, corrugated with two layers, Ø = 40mm	ml	50		-
<b>AMOUNTS I</b>					-
<b>AMOUNTS A+B+C+D+E+F+G+H+J+I</b>					-