

Project Design:		DURRES HAMMAM	HAMAMI DURRES					
Ref to TS	Ref. to Albanian Technical Prices Manual/ Ref. Manualit te Cmimeve	WORK DESCRIPTION	PËRSHKRIMI I PUNIMIT	UNIT / NJËSIA	ESTIMATED QUANTITIES / SASIA	UNIT PRICE / ÇMIMI	AMOUNT / SHUMA	
	Ref. 16 01 05	Electrical distribution	Kuadrot Elektrik				-	
		Sum 01	SHUMA 01	Lekë/All			-	
		Low voltage cable for power and lighting network	Kabllo T.U per rrjetin e fuqise dhe ndricimit					
	Ref.16 03 03 05	S.I. Copper PVC Insulated cable, fire retardant, under PVC sheath Type FG16OR16-0,6/1 kV ; S=3(1x120)+1 (1x120) +1(1x70) mm2	F.V. Kabell bakri me izolim dhe veshje EPR , tip . FG16OR16-0,6/1 kV ; S=3(1x120)+1(1x120) +1(1x70) mm2	ml	30.0		-	
	Ref.16 03 03 05	S.I. Copper PVC Insulated cable, fire retardant, under PVC sheath Type FG16R16-0,6/1 kV , S=4(1x95)+1 (1x50) mm2	F.V. Kabell bakri me izolim dhe veshje EPR , tip . FG16R16-0,6/1 kV ; S=4(1x95)+1(1x50) mm2	ml	10.0		-	
	Ref.16 03 03 05	S.I. Copper PVC Insulated cable, fire retardant, under PVC sheath Type FG16R16-0,6/1 kV , S=4x70+1x50 mm2	F.V. Kabell bakri me izolim dhe veshje PVCm ,;K.Z. FG16R16-0,6/1 kV ; S=4x70+1x50 mm2	ml	10.0		-	
	Ref.16 03 03 05	S.I. Copper PVC Insulated cable, fire retardant, under PVC sheath Type, FG16R16-0,6/1 kV S=4x50+1x35 mm2	F.V. Kabell bakri kunder djegjes me izolim dhe veshje , FG16R16-0,6/1 kV ; S=4x50+1x35 mm2	ml	12.0		-	
	Ref.16 03 03 05	S.I. Copper PVC Insulated cable, fire retardant, under PVC sheath Type, FG16R16-0,6/1 kV S=4x35+1x16 mm2	F.V. Kabell bakri me izolim dhe veshje PVCm ,;K.Z. FG16R16-0,6/1 kV ; S=4x35+1x16 mm2	ml	10.0		-	
	Ref.16 03 03 05	S.I. Copper PVC Insulated cable, fire retardant, under PVC sheath Type, FG16R16-0,6/1 kV S=4x25+1x16 mm2	F.V. Kabell bakri me izolim dhe veshje PVCm ,;K.Z. FG16R16-0,6/1 kV ; S=4x25+1x16 mm2	ml	35.0		-	
	Ref.16 03 03 05	S.I. Copper PVC Insulated cable, fire retardant, under PVC sheath Type, FG16R16-0,6/1 kV S=5x16 mm2	F.V. Kabell bakri me izolim dhe veshje PVCm ,;K.Z. FG16R16-0,6/1 kV ; S=5x16 mm2	ml	20.0		-	
	Ref.16 03 03 05	S.I. Copper PVC Insulated cable, fire retardant, under PVC sheath Type, FG16R16-0,6/1 kV S=5x10 mm2	F.V. Kabell bakri me izolim dhe veshje PVCm ,;K.Z. FG16R16-0,6/1 kV ; S=5x10 mm2	ml	20.0		-	
	Ref.16 03 03 05	S.I. Copper PVC Insulated cable, fire retardant, under PVC sheath Type, FG16R16-0,6/1 kV S=5x6 mm2	F.V. Kabell bakri me izolim dhe veshje PVCm ,;K.Z. FG16R16-0,6/1 kV ; S=5x6 mm2	ml	15.0		-	
	Ref.16 03 03 05	S.I. Copper PVC Insulated cable, fire retardant, under PVC sheath Type, FG16R16-0,6/1 kV S=5x4 mm2	F.V. Kabell bakri me izolim dhe veshje PVCm ,;K.Z. FG16R16-0,6/1 kV ; S=5x4 mm2	ml	15.0		-	
	Ref.16 03 03 05	S.I. Copper PVC Insulated cable, fire retardant, under PVC sheath Type FG16R16-0,6/1 kV S=5x2.5 mm2	F.V. Kabell bakri me izolim dhe veshje PVCm;K.Z. FG16R16-0,6/1 kV ; S=5x2.5 mm2	ml	20.0		-	
	Ref.16 03 03 05	S.I. Copper PVC Insulated cable, fire retardant, under PVC sheath Type, FG16R16-0,6/1 kV S=5x1.5 mm2	F.V. Kabell bakri me izolim dhe veshje PVCm;K.Z. FG16R16-0,6/1 kV ; S=5x1.5 mm2	ml	30.0		-	
	Ref.16 03 03 05	S.I. Copper PVC Insulated cable, fire retardant, under PVC sheath Type, FG16R16-0,6/1 kV S=3x4 mm2	F.V. Kabell bakri me izolim dhe veshje PVCm;K.Z. FG16R16-0,6/1 kV ; S=3x4 mm2	ml	20.0		-	
	Ref.16 03 03 05	S.I. Copper PVC Insulated cable, fire retardant, under PVC sheath Type, FG16R16-0,6/1 kV S=3x2.5 mm2	F.V. Kabell bakri me izolim dhe veshje PVCm;K.Z. FG16R16-0,6/1 kV ; S=3x2.5 mm2	ml	20.0		-	
	Ref.16 03 03 05	S.I. Copper PVC Insulated cable, fire retardant, under PVC sheath Type, FG16R16-0,6/1 kV S=3x1.5 mm2	F.V. Kabell bakri me izolim dhe veshje PVCm;K.Z. FG16R16-0,6/1 kV ; S=3x1.5 mm2	ml	20.0		-	
	Ref.16 03 03 05	S.I. Copper PVC Insulated conductor, fire retardant, under PVC sheath,Type NO7V-K, S = 1* 1.5 mm²	F.V. Percjelles T.U , izolim PVC ,Tip NO7V-K, S = 1* 1.5 mm²	ml	120.0		-	
	Ref.16 03 03 05	S.I. Copper PVC Insulated conductor, fire retardant, under PVC sheath ,Type NO7V-K, S = 1* 2.5 mm²	F.V. Percjelles T.U , izolim PVC ,Tip NO7V-K, S = 1* 2.5 mm²	ml	20.0		-	

	Ref.16 03 03 05	S.I. Copper PVC Insulated conductor, fire retardant, under PVC sheath, Type NO7V-K, S = 1*4 mm ²	F.V. Percjelles T.U , izolim PVC ,Tip NO7V-K, S = 1*4mm ²	ml	20.0		-	
	Ref.16 03 03 05	S.I. Cable head with Cable Lugs & Terminals (120 - 300) mm ² , for 4 conduits.	F.V. Koka kabllore me kapikorda & terminale (120 - 300) mm ² , per 4 deje.	ml	12.0		-	
	Ref.16 03 03 05	S.I. Cable head with Cable Lugs & Terminals (35 - 95) mm ² , for 4 conductors.	F.V. Koka kabllore me kapikorda & terminale (35 - 95) mm ² , per 4 deje.	ml	8.0		-	
	Ref.16 03 03 05	S.I. Cable head with Cable Lugs & Terminals (10 - 25) mm ² , for 4 conductors.	F.V. Koka kabllore me kapikorda & terminale (10 - 25) mm ² , per 4 deje.	ml	12.0		-	
	Ref.16 03 03 05	S.I. Cable head with Cable Lugs & Terminals (1,5-6) mm ² , for 4 conductors.	F.V. Koka kabllore me kapikorda & terminale (1,5-6) mm ² , per 4 deje.	ml	100.0		-	
	Ref.16 03 04	S.I. PVC flexible pipe, fire retardant emitting Heavy Type , Ø 16 mm, a low of corrosive gas with accessories.	F.V. Tub PVC fleksibel vetshuares i forte Ø 16 mm,	ml	100.0		-	
	Ref.16 03 04	S.I. PVC flexible pipe, fire retardant emitting Heavy Type , Ø 20 mm, a low of corrosive gas with accessories.	F.V. Tub PVC fleksibel vetshuares i forte Ø 20 mm,	ml	100.0		-	
	Ref.16 03 04	S.I. PVC flexible pipe, fire retardant emitting Heavy Type , Ø 25 mm, a low of corrosive gas with accessories.	F.V. Tub PVC fleksibel vetshuares i forte Ø 25 mm,	ml	80.0		-	
	Ref.16 03 04	S.I. PVC flexible pipe, fire retardant emitting Heavy Type , Ø 32 mm, a low of corrosive gas with accessories.	F.V. Tub PVC fleksibel vetshuares i forte Ø 32 mm,	ml	100.0		-	
	Ref.16 03 04	S.I. Hard flexible PVC pipe fire proof, with instalation outside wall (d 16) dj = 25m/m	F.V. Tub PVC rigid i forte vetshuares, per instalime jashte murit (d 16) dj = 25m/m me aksesore montimi	ml	20.0		-	
	Ref.16 03 04	S.I. PVC flexible corrugated pipe, fire retardant emitting Heavy Type , Ø 63 mm, a low of corrosive gas with accessories	F.V. Tub PVC fleksibel i korruguar, zjarrrdurues dhe me emetim gazi , tip I rende, Ø 63 mm, me te gjitha aksesoret	ml	20.0		-	
	Ref.16 03 04	S.I. PVC flexible corrugated pipe, fire retardant emitting Heavy Type , Ø 100 mm, a low of corrosive gas with accessories	F.V. Tub PVC fleksibel i korruguar, zjarrrdurues dhe me emetim gazi , tip I rende, Ø 100 mm, me te gjitha aksesoret	ml	60.0		-	
		Sum 02	SHUMA 02	Lekë/All			-	
		Power network system	Rrjeti i fuqise					
	Ref. 16 03 07	S.I. Box for plugs and switchers 3 modul-support-sheet-cover	F.V. Kuti per celesa e priza 3-module, suport , kapak & tapa etj	pcs	13.0		-	
	Ref. 16 03 07	S.I. Box for plugs and switchers 4 modul-support-sheet-cover	F.V. Kuti per celesa e priza 4-module, suport , kapak & tapa etj	pcs	2.0		-	
	Ref. 16 03 05	S.I. Distribution boxes with support PT-2-4 dim. 150*100*50 mm	F.V. Kuti shperndarese j/m. me kapak PT-2-4 dim. 150*100*50 mm	pcs	4.0		-	
	Ref. 16 03 05	S.I. Distribution boxes with support PT-7 dim. 198*152*70 mm	F.V. Kuti shperndarese b/m. me kapak PT-7 dim. 198*152*70 mm	pcs	3.0		-	
		Sum 03	SHUMA 03	Lekë/All			-	
		Lighting network system	Rrjeti i ndricimit					
	Ref. 16 03 07	S.I. Switch 1 polar , 1 modular ,10 A ,250V	F.V. Frut çeles 1 polare, 1 modular, 10A, 250V	pcs	4.0		-	
	Ref. 16 03 07	S.I. Box for plugs and switchers 3 modul-support-sheet-cover	F.V. Kuti per celesa e priza 3-module, suport , kapak & tapa	pcs	4.0		-	
	Ref. 16 03 05	S.I. Distribution boxes b/m with support PT-7 dim. 150*100*50 mm	F.V. Kuti shperndarese b/m. me kapak PT-2-4 dim. 150*100*50 mm	pcs	5.0		-	
	Ref. 16 03 05	S.I. Distribution boxes b/m with support PT-7 dim. 198*152*70 mm	F.V. Kuti shperndarese b/m. me kapak PT-7 dim. 198*152*70 mm	pcs	3.0		-	

		Sum 04	SHUMA 04	Lekë/All			-	
		LAN system	Sistemi LAN					
	Ref. 16 03 05	S.I. Distribution boxes b/m with support PT-7 dim. 150*100*50 mm	F.V. Kuti shperndarese j/m. me kapak PT-2-4 dim. 150*100*50 mm	pcs	4.0		-	
	Ref. 16 03 05	S.I. Distribution boxes b/m with support PT-7 dim. 198*152*70 mm	F.V. Kuti shperndarese b/m. me kapak PT-7 dim. 198*152*70 mm	pcs	3.0		-	
	Ref. 16 04 05	S.I. Lan cable, Type FTP-cat6 L.S.ZH, 250MHz up to 350 MHz Flame retardant	F.V. Kabllo rrjeti kompjuterik, Tip FTP-cat6 LSZH, 250MHz up to 350 MHz Flame retardant	ml	275.0		-	
	Ref. 16 04 05	S.I. Lan cable, Type UTP-cat5 L.S.ZH, 250MHz up to 350 MHz Flame retardant	F.V. Kabllo rrjeti kompjuterik, Tip UTP-cat5 LSZH, 250MHz up to 350 MHz Flame retardant	ml	220.0		-	
	Ref. 16 04 05	S.I. Lan cable Type outdoor, optic-fibre 12 copy, singel mode, SLT-SA-SJ. & Accessories, converter, fiber, FTP	F.V. Kabllo rrjeti, Tip outdoor fiber optike 12 kopje, singel mode, SLT-SA-SJ. Perfshire aksesoret e montimit, konverter Fiber/FTP etj	ml	120.0		-	
	Ref.16 03 04	S.I. PVC flexible pipe, fire retardant emitting Heavy Type , Ø 20 mm, a low of corrosive gas with accessories.	F.V. Tub PVC fleksibel vetshuares i forte Ø 20 mm,	ml	300.0		-	
		Sum 05	SHUMA 05	Lekë/All			-	
		Fire Alarm System	Sistemi i alarmit te zjarrit					
	Ref. 16 04 05.	S.I. PVC Insulated cable, fire retardant, under PVC sheath Type, Type RG-59, S=2x0,8 mm², red colour	F.V. Kabell me izolim PVC, Tip RG-59,S=2x0,8 mm², red colour	ml	50.0		-	
	Ref. 16 04 05.	S.I. Copper PVC Insulated cable, Type RG-59,S=2x1 mm², red colour	F.V. Kabell me izolim PVC, Tip RG-59,S=2x1 mm², red colour	ml	50.0		-	
	Ref. 16 04 05.	S.I. Copper PVC Insulated cable, fire retardant, under PVC sheath Type FG16R16-0,6/1 kV S=2x4 mm2	F.V. Kabell bakri me izolim dhe veshje PVCm;K.Z. FG16R16-0,6/1 kV ; S=2x4 mm2	ml	40.0		-	
	Ref. 16 04 05.	S.I. Copper PVC Insulated cable, Type RG-59, S=6x08+3x4 mm², red colour for air contional command	F.V. Kabell me izolim PVC, Tip RG-59,S=6x08+3x4 mm², red colour per komandimin	ml	40.0		-	
	Ref. 16 04 05.	S.I. Copper PVC Insulated cable, Type RG-59,S=6x1 mm², red colour, for door holders command.	F.V. Kabell me izolim PVC, Tip RG-59,S=6x1 mm², red colour per komandimin e kontakteve magnetike te dyerve	ml	40.0		-	
	Ref.16 03 04	S.I. PVC flexible pipe, fire retardant emitting Heavy Type , Ø 20 mm, a low of corrosive gas with accessories.	F.V. Tub PVC fleksibel vetshuares i forte Ø 20 mm,	ml	40.0		-	
		Sum 06	SHUMA 06	Lekë/All			-	
		Public Adress System	Sistemi i lajmerimit zanor					
		S.I. Cable refractory, 2x1.5 mm2 [FRS15 FE 180 PH 90]	F.V. Kabllo zjarr durues 2x1.5 mm2 [FRS15 FE 180 PH 90]	ml	50.0		-	
		S.I. Cable refractory, 2x1 mm2 [FRS15 FE 180 PH 90]	F.V. Kabllo zjarr durues 2x1 mm2 [FRS15 FE 180 PH 90]	ml	40.0		-	
		S.I. Lan cable, Tip FTP-cat6 L.S.ZH, 250MHz up to 350 MHz Flame retardant, connection of microphones with central	F.V. Kabllo rrjeti kompjuterik, Tip FTP-cat6 LSZH, 250MHz up to 350 MHz Flame retardant, lidhja e mikrofoneve me centralin	ml	50.0		-	
		S.I. Prefabricated cable for comunication central-amplifier	F.V. Kabell i parafabrikuar per komunikim central-amplifikator	ml	1.0		-	
		S.I. Prefabricated cable for comunication central-mikrofon	F.V. Kabell i parafabrikuar per komunikim central-mikrofon	ml	1.0		-	
	Ref.16 03 04	S.I. PVC flexible pipe, fire retardant emitting Heavy Type , Ø 20 mm, a low of corrosive gas with accessories.	F.V. Tub PVC fleksibel vetshuares i forte Ø 20 mm	ml	50.0		-	
	Ref.16 03 04	S.I. Distribution boxes 100x100 mm IP40	F.V. Kuti shperndarese 100x100 mm IP40	pcs	1.0		-	

		Sum 07	SHUMA 07	Lekë/All			-	
		CCTV System	Sistemi CCTV					
		S.I. Lan cable, Tip FTP-cat6 L.S.ZH, 250MHz up to 350 MHz Flame retardant, connection of microphones with central	F.V. Kabllo rrjeti kompjuterik, Tip FTP-cat6 LSZH, 250MHz up to 350 MHz Flame retardant, lidhja e mikrofoneve me centralin	ml	130.0		-	
		S.I. Lan cable Type outdoor, optic-fibre 12 copy, singel mode, SLT-SA-SJ.	F.V. Kabllo rrjeti, Tip outdoor fiber optike 12 kopje, singel mode, SLT-SA-SJ. Perfshire aksesoret e montimit, konverter Fiber/FTP etj	ml	2.0		-	
		S.I. Cu Cable, insulated and clothing PVC, FG16R16-0,6/1 kV S=2x1.5 mm2	F.V. Kabell bakri me izolim dhe veshje PVCm;K.Z. FG16R16-0,6/1 kV ; S=2x1.5 mm2	ml	105.0		-	
	Ref. 16 03 05	S.I. Distribution boxes 100x100 mm IP40	F.V. Kuti shperndarese 100x100 mm IP40	pcs	1.0		-	
	Ref.16 03 04	S.I. PVC flexible pipe, fire retardant emitting Heavy Type , Ø 20 mm, a low of corrosive gas with accessories.	F.V. Tub PVC fleksibel vetshuares i forte Ø 20 mm,	pcs	40.0		-	
		Sum 08	SHUMA 08	Lekë/All			-	
		Alarm system	Sistemi I alarmit					
		S.I. Lan cable, Tip FTP-cat6 L.S.ZH, 250MHz up to 350 MHz Flame retardant, connection of microphones with central	F.V. Kabllo rrjeti kompjuterik, Tip FTP-cat6 LSZH, 250MHz up to 350 MHz Flame retardant, lidhja e mikrofoneve me centralin	ml	50.0		-	
		S.I. Bus Cable , 2x2,5+2x1,5 mm2 [FRS15 FE 180 PH 90]	F.V. Kabell BUS 2x2,5+2x1,5 mm².	ml	30.0		-	
		S.I. Alarm Cable , 4x0.22+ (2 x 0.75) mm2 [FRS15 FE 180 PH 90]	F.V. Kabell alarmi 4x0.22+ (2 x 0.75) mm².	ml	70.0		-	
		S.I. Alarm Cable , 4x1 mm2 [FRS15 FE 180 PH 90]	F.V. Kabell alarmi 4 x 1 mm².	ml	40.0		-	
		S.I. Alarm Cable , 6x1 mm2 [FRS15 FE 180 PH 90]	F.V. Kabell alarmi 6 x 1 mm².	ml	20.0		-	
		S.I. Cu Cable, insulated and clothing PVC, FG16R16-0,6/1 kV S=2x1.5 mm2	F.V. Kabell bakri me izolim dhe veshje PVCm;K.Z. FG16R16-0,6/1 kV ; S=2x1.5 mm2	ml	40.0		-	
		S.I. Distribution boxes 100x100 mm IP40	F.V. Kuti shperndarese 100x100 mm IP40	pcs	3.0		-	
	Ref.16 03 04	S.I. PVC flexible pipe, fire retardant emitting Heavy Type , Ø 20 mm, a low of corrosive gas with accessories.	F.V. Tub PVC fleksibel vetshuares i forte Ø 20 mm,	ml	70.0		-	
		Sum 09	SHUMA 09	Lekë/All			-	
		Lighting protection and equipotential protection network						
	Ref. 16 07 00	S.I. Zincated grounding electrodes L = 1.5m	F.V. Elektroda tokezimi te zinguara L = 1.5m	ml	4.0		-	
	Ref. 16 07 00	S.I. Zincated band Zn.30*3mm	F.V. Shirit Zink dim 30*3 mm	ml	150.0		-	
	Ref. 16 07 00	S.I. Bare copper flexible conductor CU , 1x90 mm²	F.V. Percjelles bakri i l zhveshur 1x 90mm2	ml	20.0		-	
	Ref. 16 07 00	S.I. Bare copper flexible conductor CU , 1x50 mm²	F.V. Percjelles bakri i l zhveshur 1x 50mm2	ml	70.0		-	
	Ref. 16 07 00	S.I. Cable head with Cable Lugs & Terminals (35 - 95) mm2, for 4 conductors.	F.V. Koka kablllore me kapikorda & terminale (35 - 95) mm2.	ml	10.0		-	
	Ref. 16 07 00	S.I. Electrode pits 0.5x0.5x0.5	F.V. Puseta per elektroda 0.5x0.5x0.5	pcs	10.0		-	
	Ref. 16 07 00	S.I. Excavation, transport and covering earthing	F.V. Germim, transport dhe mbushje dheu	m3	6.0		-	
	Ref. 16 07 00	S.I. Total measurement dis-joiner & Distribution Box, PT-5, IP-65, with earth symbol.	F.V. Shkeputes per matje komplet & kuti PT-5;Ip-65 , me shenje "toke"	pcs	4.0		-	
	Ref. 16 07 00	S.I. Concrete cubes 40/40/40 cm	F.V. Kubike te gatshem betoni 40/40/40 mm	pcs	35.0		-	
	Ref. 16 07 00	S.I. Universal coupling T-I and cross clamps	F.V. Morseta bashkuese T-I & kryq universale	pcs	35.0		-	
	Ref. 16 07 00	S.I. Clamps with lowering suport for Zn 30*3 mm	F.V. Morseta suportte me zbritje me bulon kapje e mberthimi per Zn.30*3mm	pcs	33.0		-	

	Ref. 16 07 00	S.I. Lightning rod d=16 mm ; L=0,6 ml	F.V. Shtiza me maje te zinguar d=16 mm ; L=0,6 ml	pcs	2.0		-	
		Sum 10	SHUMA 10	Lekë/All			-	
		Earthing network	Sistemi I tokezimit					
	Ref. 16 07 00	S.I. Ground electrodes L=1.5	F.V. Elektroda tokezimi te zinguar L = 1.5m	pcs	6.0		-	
	Ref. 16 07 00	S.I. Bare copper flexible conductor CU , 1x50 mm ²	F.V. Percjelles bakri i l zhveshur 1x 50mm2	ml	50.0		-	
	Ref. 16 07 00	S.I. Copper cable shoes Cu 1 x 50mm2	F.V. Kapikorda bakri 1 x 50mm2	pcs	12.0		-	
	Ref. 16 07 00	S.I. Manhole with electrodes 0.5x0.5x0.5	F.V. Puseta per elektroda 0.5x0.5x0.5	pcs	6.0		-	
	Ref. 16 07 00	S.I. Excavation, transport and covering earthing	F.V. Germim, transport dhe mbushje dheu	m3	0.5		-	
	Ref. 16 07 00	S.I. Total measurement dis-joiner & Distribution Box, PT-5, IP-65, with symbol of earth	F.V. Shkeputes per matje komplet & kuti PT-5;Ip-65 , me shenje "toke"	pcs	1.0		-	
		Sum 11	SHUMA 11	Lekë/All			-	
		TOTAL SUM OF ELECTRICAL INSTALLATIONS	SHUMA TOTALE E INSTALIMEVE ELEKTRIKE	Lekë/All			-	
		ELECTRICAL EQUIPMENTS	PAJISJET ELEKTRIKE					
		Lighting system	Sistemi I ndricimit					
	Ref.16 02 00	S.I. Type 01_ Linear luminaires with symetrycal optics	F.V. Tipi 01_Ndricues Lineare me optike simetrike	pcs	10.0		-	
	Ref.16 02 00	S.I. Type 02_Projektor instaluar ne toke, me optike difuse	F.V. Tipi 02_Projector installed on the ground, with diffuse optics	pcs	11.0		-	
	Ref.16 02 00	S.I. Emergency lighting, fire retardant sipas (EN 60695-2-10) until to temp 850° C, IP-42, IK 07, Led 2,4 VA, life expectancy 10 years, bat.NiCd with 1 h autonomy, 220/230V, 50 Hz	F.V. Ndriçuesja emergjence, rezistent ndaj zjarrit sipas (EN 60695-2-10) deri ne temperaturen 850° C, IP-42, IK 07, Led 2,4 VA, jetegjatesia mbi 10 vjet, bat.NiCd me autonomi 1 ore, 220/230V, 50 Hz	pcs	5.0		-	
	Ref.16 02 00	S.I. Evacuation lighting(EXIT), fire retardant by (EN 60695-2-10) until to temp 850° C, IP-40, IK 07, Led 8,5 VA, 100 000 working hours, bat.NiCd with 1 h autonomy, 220/230V, 50 Hz	F.V. Ndriçuesja evakuimi (EXIT), rezistent ndaj zjarrit sipas (EN 60695-2-10) deri ne temperaturen 850° C, IP-40, IK 07, Led 8,5 VA, 100 000 ore pune, bat.NiCd me autonomi 1 ore, 220/230V, 50 Hz	pcs	1.0		-	
		Sum 12	SHUMA 12	Lekë/All			-	
		Lan network	Sistemi LAN					
	Ref. 16 04 01	S.I. Telephony Central Type PAB x 4 entrance/80 exit	F.V. Central telefonik PABX 2 hyrje / 10 dalje	pcs	1.0		-	
	Ref. 16 04 02.	S.I. Rack, 24 HU dim. 120*700*700 mm STAND ALONE with controler opportunity	F.V. Rack, 24 HU dim. 120*700*700 mm STAND ALONE me mundesi kontrolli	pcs	1.0		-	
	Ref.16 04 00	S.I. Patch panel 24 porte RJ-45, UTP cat 6e	F.V. Patch panel me 24 porta RJ-45, UTP cat 6e	pcs	4.0		-	
	Ref.16 04 00	S.I. Switch 24 porte RJ 45, 100/1000 POE, with 2 ports optic-fiber	F.V. Switch me 24 porta RJ-45, 100/1000 POE, me 2 porta fiber optike. Komplet me nderfaqesin e fibres te perfshire, FTP cat 6e	pcs	3.0		-	
	Ref.16 04 00	S.I. Patch guide	F.V. Drejtues kabllosh	pcs	4.0		-	
	Ref.16 04 00	S.I. Patch cords with FTP-cat-6, L=1.5m	F.V. Patch corda me FTP-cat-6 me dy koka konektoriale, L=1.5 m	pcs	70.0		-	
	Ref.16 04 00	S.I. Patch cords with FTP-cat-6, L=1m	F.V. Patch corda me FTP-cat-6 me dy koka konektoriale, L=1 m	pcs	20.0		-	
	Ref.16 04 00	S.I. WI-FI Antenna 4 pc with the management central	F.V. Antena WI-FI 4 cope bashke me centralin e manaxhimit	pcs	1.0		-	
	Ref.16 04 00	S.I. Ventilation Fan with 2 speed for Rack.	F.V. Grup ventilatoresh me 2 FAN per rack	pcs	4.0		-	
	Ref.16 04 00	S.I. Set sockets with 8 "shuko" for Rack.	F.V. Set 8 shuko per rack	pcs	4.0		-	

		Sum 13	SHUMA 13	Lekë/All			-	
		Fire Alarm System	Sistemi i alarmit te zjarrit					
	Ref. 16 06 02 01	F.V. Fire Alarm Control Panel Control M / Intelligent Addressable, network communication options through the cards, power stations, 230V / 12V, 24 h / aut. 127 elements per loop (complete with operating module, LCD panel, Loop Card, etc. RL Card.	F.V. Central zjarri [Fire Alarm Panel Control M Control/Intelligent Addressable], me mundesi komunikimi ne rrjet centralesh nepermjet kartave , i adresueshem ,230V /12V, 24 h/aut. 127 elemente per loop (komplet centrali, modul operimi, LCD panel, Karte Loop, Karte RL etj.	pcs	1.0		-	
	Ref. 16 06 02 02	S.I. Base +Addressed smoke & heat detectors optical -ionic - thermic with loop isolator	F.V. Baze dhe Dedektor tymi & nxehtesie te adresuar, optik -jonik - termik komplet me lup te izoluar	pcs	4.0		-	
	Ref.16 04 00	S.I. Communication card 4IN/2OUT for different commands	F.V. Karte komunikimit 4IN/2OUT per komandime te ndryshme	pcs	1.0		-	
	Ref. 16 06 02 05	S.I. Outside syren with battery, 24 h autonomy	F.V. Sirena lajmeruese te jashtme	pcs	1.0		-	
	Ref. 16 06 02 06	S.I. Manual push button (glass breaking) , IP-65	F.V. Pulsant alarm zjarri me thyerje xhami, kapak etj, IP-65 aktivizimi	pcs	1.0		-	
	Ref. 16 06 02 08	S.I. Electromagnetic door holder 24V, DC, P 1,5 w, Dim Ø: 50 mm H: 30 mm with release button and flexible anchor	F.V. Kontakte magnetike per komandimin e deryeve antizjarr, tensioni i punes 24V, DC, P 1,5 w, Dimensionet Ø: 50 mm H: 30 mm	pcs	1.0		-	
	Ref. 16 06 02 07	S.I. Telephonic combinator	F.V. Kombinator telefonik	pcs	1.0		-	
		Sum 14	SHUMA 14	Lekë/All			-	
		Public Adress System	Sistemi i lajmerimit zanor					
	Ref. 16 08 03 01	S.I. Central controlling unit [Digital Int. System Manager] EN 54-16 certified and EN 60849 compliant. 12 zones and the expansion possibility , 9 audio entrance/4 audio exit, with the possibility to communicate wit fore alarm central etc.	F.V. Central controlling unit [Digital Int. System Manager] EN 54-16 certified and EN 60849 compliant 8 zona dhe me mundesi zgjerimi, 9 hyrje audio, 4 dalje audio, me mundesi komunikimi ne rrjet me centralin e zjarrit etj.	pcs	1.0		-	
	Ref. 16 08 03 03	S.I. Multi-channel Power Amplifier 1x1000 W, EN 54-16 certified and EN 60849 compliant	F.V. Amplifikator zeri me shume kanale 1x200 W, certifikuar sipas EN 54-16 dhe ne pershtatje me EN 60849	pcs	1.0		-	
	Ref. 16 08 03 01	S.I.Tuner/CD Player with comunication to central speaker	F.V. Tuner/CD Player me komunikim me centralin e fonise	pcs	1.0		-	
	Ref. 16 08 03 04	S.I. Mikrofon EN 54-16 certified and EN 60849 compliant, Touchscreen and with oportunity comandation	F.V. Mikrofon EN 54-16 certified and EN 60849 compliant, Touchscreen dhe me mundesi komandimi te te gjitha zonave	pcs	1.0		-	
	Ref. 16 08 03 05	S.I. Wall Speaker 6-10 W	F.V. Boks muror 6-10 W	pcs	4.0		-	
		Sum 15	SHUMA 15	Lekë/All			-	
		CCTV System	Sistemi CCTV					
	Ref. 16 10 02 03	S.I. NVR 24, IP Kanale, Up to 24-ch IP cameras input, Third-party network cameras supported, ONVIF protokoll, Up to 5 Megapixels resolution recording, HDMI and VGA output at up to 1920x1080P resolution, HDD quota and group management, RAID Function, 4 SATA, 2 USB2.0, RS-232 interface, LAN interface, RS-485 interface, Controller port, Alarm in and Alarm out, Ground, AC 100V ~ 240V,	S.I. NVR 24, IP Kanale, Up me 24-ch IP hyrje kamerash, Third-party network cameras supported, ONVIF protokoll, Up to 5 Megapixels rezulucioni i regjistrimit, HDMI and VGA output at up to 1920x1080P resolution, HDD quota and group management, RAID Function, 4 SATA, 2 USB2.0, RS-232 interface, LAN interface, RS-485 interface, Controller port, Alarm in and Alarm out, Ground, AC 100V ~ 240V,	pcs	1.0		-	
	Ref. 16 10 02 01	S.I. Indoor Camera ,IR Dome kamera 3MP 2.8mm, 3MP high resolution, HD real-time video, 3D DNR & DWDR & BLC, IR LEDs: up to 30m, IP66, Vandal-proof, PoE	F.V. Kamera te brendshme, IR Dome kamera 3MP 2.8 mm, 3MP high resolution, HD real-time video, 3D DNR & DWDR & BLC, IR LEDs: up to 30m, IP66, Vandal-proof, PoE	pcs	4.0		-	

	Ref. 16 10 02 02	S.I. Outdoor cameras, IR Bullet kamera 3MP 2.8mm, 3MP high resolution, HD real-time video, 3D DNR & DWDR & BLC, IR LEDs: up to 30m, IP66, Vandal-proof, PoE	F.V. Kamera te jashtme, IR Bullet kamera 3MP 2.8 mm, 3MP high resolution, HD real-time video, 3D DNR & DWDR & BLC, IR LEDs: up to 30m, IP66, Vandal-proof, PoE	pcs	4.0		-	
	Ref. 16 10 00	S.I. Harddisc 3 TB for recording information from NVR with the recording time up 2 weeks	F.V. 2 Harddisk 3 TB per regjistrimin e informacionit nga NVR me kohe regjistrimi deri 2 jave	pcs	1.0		-	
	Ref. 16 10 00	F.V. Patch panel me 24 porta RJ-45, FTP cat 6e	F.V. Patch panel me 24 porta RJ-45, FTP cat 6e	pcs	1.0		-	
	Ref. 16 10 00	S.I. Switch with 24 port RJ-45, 100/1000 POE ,	F.V. Switch me 24 porta RJ-45, 100/1000 POE,	pcs	1.0		-	
		S.I. PC for controler and system monitoration	F.V. PC per kontrollin dhe monitorimin e sistemit	pcs	1.0		-	
	Ref. 16 10 02 04	S.I. Monitor 32 " LCD	F.V. Monitor 32 " LCD	pcs	1.0		-	
	Ref. 16 10 00	S.I. Patch cord with FTP-cat-6 with double headed conectorial, L=0,5m	F.V. Patch corda me FTP-cat-6 me dy koka konektoriale, L=0,5 m	pcs	2.0		-	
	Ref. 16 10 00	S.I. Monitoring program + Licens for programing system	F.V. Program monitorimi + License e programimit te sistemit	pcs	1.0		-	
		Sum 16	SHUMA 16	Lekë/All			-	
		Alarm System	Sistemi i alarmit					
	Ref. 16 11 01	S.I. Alarm and access control central with network communication expansion possibility.	F.V. Centrali i alarmit per menaxhim te hyrjes se kontrolluar dhe alarmit per hyrje te padeshiruar me mundesi komunikimi ne rrjet dhe zgjerimi te mevonshem	pcs	1.0		-	
	Ref. 16 09 00	S.I. Expansion card until 8 zone	F.V. Karte zgjerimi deri 8 zona	pcs	1.0		-	
	Ref. 16 09 00	S.I. Motion sensors 90°	F.V. Sensore volumetrike 90°	pcs	4.0		-	
	Ref. 16 09 00	S.I. Magnetic contact for door and window installations	F.V. Kontakte magnetike incaso per montime ne dyer dhe dritare	pcs	1.0		-	
	Ref. 16 09 00	S.I. Card 5 IN, for communication between dhe sensors and alarm central	F.V. Karte 5 IN, me 5 hyrje per komunikimin e sensoreve volumetrike me centralin	pcs	1.0		-	
	Ref. 16 09 00	S.I. Keypad	F.V. Tastiere komandimi ne distance	pcs	1.0		-	
	Ref. 16 09 00	S.I. Telephonic combinator	F.V. Kombinator telefonik GSM	pcs	1.0		-	
	Ref. 16 09 00	S.I. Indoor syren	F.V. Sirena te brendshme	pcs	1.0		-	
	Ref. 16 09 00	S.I. Outdoor syren	F.V. Sirena te jashtme	pcs	1.0		-	
	Ref. 16 09 00	S.I. Silent push buton	F.V. Pulsant silencioze	pcs	1.0		-	
	Ref. 16 09 00	S.I. Bateria 7A/h for 48 h autonomy	F.V. Bateria 7A/h me autonomi 48 ore	pcs	1.0		-	
	Ref. 16 09 00	S.I. Communication modul for reader and push buton with central	F.V. Modul komunikimi i lexuesit dhe butonit te dyerve me centralin	pcs	1.0		-	
	Ref. 16 09 00	S.I. Communication card 4IN/2OUT for outdoor syren with central	F.V. Karte komunikimit 4IN/2OUT per komunikimin e sireneve me centralin	pcs	1.0		-	
	Ref. 16 09 00	S.I. Electric lock	F.V. Kundra Brave elektrike	pcs	2.0		-	
	Ref. 16 11 02	S.I. Intelligent Card reader	F.V. Lexues afersie te kartave te komandimit te	pcs	2.0		-	
	Ref. 16 09 00	S.I. Push button for door command	F.V. Buton komandimi per hapjen e dyerve	pcs	2.0		-	
	Ref. 16 09 00	S.I. Proximity card	F.V. Karte afersie per hapjen e dyerve	pcs	1.0		-	
	Ref. 16 09 00	S.I. Switch with 24porta RJ-45, FTP cat 6e	F.V. Switch me 24 porta RJ-45, FTP cat 6e	pcs	1.0		-	
	Ref. 16 09 00	S.I. Bateria 1.2A/h for 48h autonomy for outdoor syrene	F.V. Bateria 1.2A/h me autonomi 48 ore per sirene te jashtme	pcs	2.0		-	
		Sum 17	SHUMA 17	Lekë/All			-	
		Back-up, Reservation of electrical energy	Back-up, Ruajtja e energjise elektrike					

		S.I. Diesel Genset S = 20VA / , Un =400V, silent until 60db from distance 7m, complet with Automatik transfer Switch and all neccesary accessories according the standarts.	F.V. Gjenerator diesel S = 20kVA / , Un =400V, silencioze, deri 60db per 7m, komplet me kuadrin automatik dhe gjithcka te nevojshme sipas standartit.	pcs	1.0		-	
	Ref. 16 01 03	S.I. Supply, Installation, Testing and commissioning of 10 KVA 3Ph input, 3 Ph output, double converssation online UPS, 60 min autonomy with battery XP12V3400 with necessary connector, lead try/stand and any other component required for installation and commissioning. Include Battery Breaker switch with enclosure, DC cables and other accessories as per site	F.V . Testim, komisionim te U.P.S. 10 KVA, tension 3 fazor hyrje dhe 3 fazor dalje , dopio konvertim online, 60 min auotonomi me bateri XP12V3400 ose te ngjashme me te gjitha lidhjet e nevojshme fleksibel dhe cdo komponent tjetër qe kerkohet pe instalimin dhe komisionimin. Perfshire automatin e baterive ne panel, Kballot DC dhe cdo aksesori tjetër per instalim.	pcs	1.0		-	
		Sum 18	SHUMA 18	Lekë/All			-	
		Digital Equipments	Pajisje dixhitale					
		The elements of the digital equipment including all the cable work would have to bae coordinated with company responsible for multimedia production of content						
	Ref. 16 12 00	S.I. Screens	F.V. Ekranet	pcs	18.0		-	
	Ref. 16 12 00	S.I. Media Player	F.V. Media player	pcs	6.0		-	
	Ref. 16 12 00	S.I. PC-Room 1	F.V. PC-Dhoma 1	pcs	1.0		-	
	Ref. 16 12 00	S.I. PC-Room 2	F.V. PC-Dhoma 2	pcs	1.0		-	
	Ref. 16 12 00	S.I. Interactive sensor	F.V. Sensor interaktive	pcs	3.0		-	
	Ref. 16 12 00	S.I. Custom designed columns	F.V. Kolona te disenjuara me porosi	pcs	1.0		-	
	Ref. 16 12 00	S.I. Custom designed sink and tap	F.V. Lavaman dhe rubinet me te projektuar me porosi	pcs	1.0		-	
	Ref. 16 12 00	S.I. Custom designed doors	F.V. Dere e krijuar me porosi	pcs	1.0		-	
	Ref. 16 12 00	S.I. Fog machine	F.V. Makine tymi	pcs	1.0		-	
	Ref. 16 12 00	S.I. Special Fluid	F.V. Leng special	l	50.0		-	
	Ref. 16 12 00	S.I. Led lights and/or strips	F.V. Ndricues LED dhe/ose shirita	pcs	22.0		-	
	Ref. 16 12 00	S.I. Speakers	F.V. Bokse	pcs	12.0		-	
	Ref. 16 12 00	S.I. Controllor	F.V. Kontroller	pcs	1.0		-	
	Ref. 16 12 00	S.I. Cable	F.V. Kabell	ml	100.0		-	
	Ref. 16 12 00	S.I. Mirrors	F.V. Pasqyre	pcs	1.0		-	
		Sum 19	SHUMA 19	Lekë/All			-	
		TOTAL SUM OF ELECTRICAL EQUIPMENTS	SHUMA TOTALE E PAJISJEVE	Lekë/All			-	
		TOTAL	TOTALI	ALL			-	

VO! Materialet e mesiperme ose ekuivalentet e tyre qe do te perdoren gjate instalimeve, duhet te respektojne specifikimet teknike-elektrike pa marre parasysh prodhuesin ose market.

VO! The above materials or their equivalents that will be used during installations, must comply the technical-electrical specifications regardless of the manufacturer or bands.