

CODE	DESCRIPTION	Cost (EURO)	
		Partial	Totals
	TOTAL - Package 01		0.00 €
1	Architecture	0.00 €	
2	Structure	0.00 €	
3	Electricity	0.00 €	
4	ICT	0.00 €	
5a-1	Water Supply	0.00 €	
5a-2	Fire Water Supply	0.00 €	
5b	Waste Water	0.00 €	
5c	Strom Water	0.00 €	
6	Life and Fire Safety	0.00 €	
7	Ventilation and Air Conditioning	0.00 €	
8	Medical Gases	0.00 €	

CODE	DESCRIPTION	UNITS	QUANTITIES	PRICES (EURO)		
				Unitary	Partial	Totals
	BOQ - BILL OF QUANTITY - ARCHITECTURE					
						0.00 €
	CHAPTER A - CONSTRUCTION SITE					0.00 €
1.	Construction site assembly and disassembly, including plate construction site identifier and fencing; provisional installations namely for the developer; supervision; materials warehouse; equipment and tools; facilities for personnel services; sanitary facilities; provisional networks	a.w	1.0	0 €	0.00 €	
2.	Implementation and development of the health, safety and security plan.	a.w	1.0	0 €	0.00 €	
3.	Implementation and development of the prevention, construction and demolition waste management	a.w	1.0	0 €	0.00 €	
4.	Execution of the final cleaning of the work, including all the necessary work and removal from the contractor's deposit of surplus products	a.w	1.0	0 €	0.00 €	
	CHAPTER B - DEMOLITIONS					0.00 €
1.	Demolition element by element from the roof, of all the elements proposed for demolition, including removal single element with temporary shoring if necessary, removal and classification of debris and waste, for subsequent transport to the authorised outlet, all necessary work, materials and equipment.	a.w	1.0	0.00 €	0.00 €	
2.	Execution of all necessary survey work/ disassembly of water installations and equipment, existing sewers, electrics, telephone, etc., including loading, carriage to and unloading of all cargoes materials.	a.w	1.0	0.00 €	0.00 €	
3.	Demolition of existing brick walls, according to demolition plan, including removal of products from demolition, to dumping ground, to any distance	m2	475.4	0.00 €	0.00 €	
4.	Demolition of existing indoor and outdoor doors and windows according to demolition plan, including removal of products from demolition, to dumping ground, to any distance.	a.w	1.0	0.00 €	0.00 €	
5.	Execution of demolition of existing indoor floors of ceramic tiles, for subsequent application of new coatings including removal of products from demolition, to dumping ground, at any distance.	a.w	1.0	0.00 €	0.00 €	
6.	Execution of removal of existing bathroom fittings, including removal of products from demolition, to dumping ground, at any distance.	a.w	1.0	0.00 €	0.00 €	
	CHAPTER C - GENERAL CIVIL AND INFRASTRUCTURE CONSTRUCTION					0.00 €
1.	WALLS					
1.1	Exterior Walls					
1.1.1	P1 -nominated on the project as Skin Wall; 20 cm thick fair faced brick wall	m2	420.0	0.00 €	0.00 €	
1.	WALLS					
1.1	Exterior Walls					
1.1.2	P2- 20cm thick regular Kassala brick both sides plastered and pintoed	m2	21.6	0.00 €	0.00 €	
1.2	Interior Walls					
1.2.1	P3-15cm internal partition regular Kassala brick wall both sides plastered and pintoed. (please see detail on sheet A.05.02)	m2	537.8	0.00 €	0.00 €	
1.2.2	P4-20cm thick internal partition regular Kassala brick one side plastered and otherside tiling. (please see detail on sheet A.05.02)	m2	40.6	0.00 €	0.00 €	
1.2.3	P5- 11 cm brick double plastered (please see detail on sheet A.05.02)	m2	n.a			
1.2.4	P6- 15cm brick double plastered (please see detail on sheet A.05.02)	m2	n.a			
1.2.5	P7- 20cm brick double plastered (please see detail on sheet A.05.02)	m2	n.a			
2.	FENCE					
2.1	Proposed;nominated on the project as Skin Wall; with 20cm thick fair faced brick wall, Fence)	m/l	n.a			
2.2	Future Expansion: nominated on the project as Skin Wall; with baked terracota pieces (please see sheet number: A.05.03-Constructive Details.Walls Fence)	m/l	n.a			
3.	COATINGS					
3.1	Coatings Interior Walls					
3.1.1	W2- 0.3x0.2m x 5mm white ceramic tiles till 2.10m height	m2	124.8	0.00 €	0.00 €	
3.2	Coatings Interior Flooring					
3.2.1	F2- 0.30x0.30m x 8.5mm for wet areas ,Anti-slip, Coloured to the approval of Architects/Engineers	m2	22.4	0.00 €	0.00 €	
3.2.2	F2- Baseboard	m/l	n.a			
3.2.3	F3- 0.60x0.60m Porcelanic tiles, Anti-slip, Coloured to the approval of Architects/Engineers	m2	1,010.4	0.00 €	0.00 €	
3.2.4	F3- Baseboard	m/l	804.3	0.00 €	0.00 €	
3.2.5	F4- 0.60x0.60m Porcelanic tiles, Grey colored	m2	n/a			
3.2.6	F4- Baseboard	m/l	n.a			
3.2.7	F5-0.60x0.60m Porcelanic tiles, Yellow colored	m2	n.a			
3.2.8	F5- Baseboard	m/l	n.a			
3.	COATINGS					
3.2	Coatings Interior Flooring					
3.2.9	F6-0.60x0.60m Porcelanic tiles, Purple colored	m2	n.a			
3.2.10	F6- Baseboard	m/l	n.a			
3.2.11	F7-0.60x0.60m Porcelanic tiles, Blue colored	m2	n/a			

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	BOQ - BILL OF QUANTITY - ARCHITECTURE					
3.2.12	F7- Baseboard	m/l	n/a			
3.2.13	F8-0.60x0.60m Porcelanic tiles, Blue colored	m2	n.a			
3.2.14	F8- Baseboard	m/l	n.a			
3.3	Exterior Paving					
3.3.1	F1 - 10cm thick concrete paving laid on 25cm thick compacted gravel/hardcore	m2	280.0	0.00 €	0.00 €	
4.	CEILINGS					
4.1	Interior Ceilings					
4.1.2	C3-Supply and execution of suspended interior ceiling: waterproofing plasterboard with mineral insulation including transport, unloading, support structure, backstrips, bars and reinforcements, relapses, opening of negatives for lighting, all complementary materials, works and accessories	m2	n.a			
4.2	Painted Ceilings					
4.2.1	C1- Washable acrylic white paint on existing and plasterboard ceilings (RAL 9010)	m2	793.9	0.00 €	0.00 €	
4.2.2	C2-Washable acrylic concrete grey paint on existing ceilings (RAL 7023)	m2	263.2	0.00 €	0.00 €	
5.	INTERIOR PAVING					
5.1	Floor levelling with screed levelling before the appllyance of new coatings	m2	550.0	0.00 €	0.00 €	
6.	PAINTINGS					
6.1	Exterior Paintings					
6.1.1	E2- "terracota" acrylic paint (RAL colour 2013)	m2	885.8	0.00 €	0.00 €	
6.1.2	E3 -"concrete grey" acrylic paint (RAL colour 7023)	m2	253.7	0.00 €	0.00 €	
6.1.3	E4-"pure white" poliuretane paint for metallic structure (RAL colour 9010)	m2	21.6	0.00 €	0.00 €	
6.2	Interior Paintings					
6.2.1	W1-Washable acrylic white paint	m2	1,919.6	0.00 €	0.00 €	
7.	WOODWORK					
7.1	A1:MDF 20mm WITH HPL; 3,40 x 0,70 x 1,10m	un	1.0	0.00 €	0.00 €	
7.2	A2:MDF 20mm WITH HPL; 1,20 x 0,70 x 1,10m	un	n.a			
7.3	A3:MDF 20mm WITH HPL; 1,10 x 0,70 x 1,10m)+(2,50 x 0,70 x 1,10m)	un	n.a			
7.4	A4:MDF 20mm WITH HPL; 2,10 x 0,70 x 1,10m	un	n.a			
7.5	A5: MDF 20mm WITH HPL; 2,55 x 0,70 x 1,10m	un	n.a			
7.8	B2: MDF 20mm WITH HPL; 2,15 x 0,60 x 0,90m	un	1.0	0.00 €	0.00 €	
7.9	A3:MDF 20mm WITH HPL; 2,5 x 0,70 x 1,10m)+(1,10 x 0,70 x 1,10m)	un	n.a			
7.	WOODWORK					
7.10	B2: MDF 20mm WITH HPL; 2,15 x 0,35 x 0,60m	un	1.0	0.00 €	0.00 €	
7.11	B3: MDF 20mm WITH HPL; 1,90 x 0,60 x 0,90m	un	n.a			
7.12	B3:MDF 20mm WITH HPL; 1,90 x 0,35 x 0,60m	un	n.a			
7.13	B4: MDF 20mm WITH HPL; 2,55 x 0,60 x 0,90m	un	n.a			
7.14	B4: MDF 20mm WITH HPL;2,55 x 0,35 x 0,60m	un	n.a			
7.15	B5: MDF 20mm WITH HPL; 1,80 x 0,60 x 0,90m	un	7.0	0.00 €	0.00 €	
7.16	B6: MDF 20mm WITH HPL; 1,50 x 0,60 x 0,90m	un	n.a			
7.17	C1: MDF 30mm WITH HPL; 1,65 x 0,60 x 0,75m	un	3.0	0.00 €	0.00 €	
7.18	C2: MDF 30mm WITH HPL; 1,70 x 0,60 x 0,75m	un	n.a			
7.19	C3: MDF 30mm WITH HPL; 2,20 x 0,60 x 0,75m	un	n.a			
7.20	C4:MDF 30mm WITH HPL; 2,40 x 0,60 x 0,75m	un	n.a			
7.21	C5: MDF 30mm WITH HPL;2,10 x 0,60 x 0,75m	un	n.a			
7.22	C6: MDF 30mm WITH HPL;1,90 x 0,60 x 0,75m	un	n.a			
7.23	D1: MDF 50mm WITH HPL;4,95 x 0,70 x 0,75m	un	n.a			
7.24	D2: MDF 50mm WITH HPL;1,70 x 0,70 x 0,75m	un	n.a			
8.	DOORS					
8.1	Exterior Doors					
8.1.1	G.1- Double swing gate with fixed lateral sashes / tubular galvanized steel gate / polyester thermosetting powder coating in "light grey RAL 7047" (dim. 4,22x2,10m). All accessories included.	un	1.0	0.00 €	0.00 €	
8.1.2	G.2- Double swing gate with fixed lateral sashes / tubular galvanized steel gate / polyester thermosetting powder coating in "light grey RAL 7047" (dim. 2,40x2,10m). All accessories included.	un	n.a			
8.1.3	G.3- Single swing gate with 1 fixed lateral sash / tubular galvanized steel gate / polyester thermosetting powder coating in "light grey RAL 7047" (dim. 1,62x2,10m). All accessories included.	un	n.a			
8.1.4	G.4- Double swing gate / tubular galvanized steel gate / polyester thermosetting powder coating in "light grey RAL 7047" (dim. 1,65x2,10m). All accessories included.	un	n.a			
8.1.5	G.5- Double swing gate with fixed lateral sashes / tubular galvanized steel gate / polyester thermosetting powder coating in "light grey RAL 7047" (dim. 3,54x2,10m). All accessories included.	un	n.a			
8.1.6	G.6- Single swing gate with 1 fixed lateral sash / tubular galvanized steel gate / polyester thermosetting powder coating in "light grey RAL 7047" (dim. 2,00x2,10m). All accessories included.	un	n.a			
8.1.7	G.8- Single swing gate with 1 fixed lateral sash / tubular galvanized steel gate / polyester thermosetting powder coating in "light grey RAL 7047" (dim. 1,50x2,10m). All accessories included.	un	n.a			
8.2	Interior Doors					
8.2.1	D1 (0.70x2.10m) - Single swing door - supply and fix mat anodized aluminum windows and doors made of extruded profiles of standard UNI 3870 - ICS 77.140.90 and film thickness 15-25micro meter. Aluminum profiles and colour to be approved by the Architect . Handle in U-shaped latch and key, in stainless steel. All accessories included.	un	n.a			
8.2.2	D2 (0.80x2.10m) - Single swing door - supply and fix mat anodized aluminum windows and doors made of extruded profiles of standard UNI 3870 - ICS 77.140.90 and film thickness 15-25micro meter. Aluminum profiles and colour to be approved by the Architect . Handle in U-shaped latch and key, in stainless steel. All accessories included.	un	n.a			

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	BOQ - BILL OF QUANTITY - ARCHITECTURE					
8.2.3	D3 (0.90x2.10m) - Single swing door - supply and fix mat anodized aluminum windows and doors made of extruded profiles of standard UNI 3870 - ICS 77.140.90 and film thickness 15-25micro meter. Aluminum profiles and colour to be approved by the Architect . Handle in U-shaped latch and key, in stainless steel. All accessories included.	un	24.00	0.00 €	0.00 €	
8.2.4	D4 (0.80x2.70m) - Single swing door - supply and fix mat anodized aluminum windows and doors made of extruded profiles of standard UNI 3870 - ICS 77.140.90 and film thickness 15-25micro meter. Aluminum profiles and colour to be approved by the Architect . Handle in U-shaped latch and key, in stainless steel. All accessories included.	un	n.a			
8.2.5	D5 (0.85x2.70m) - Single swing door - supply and fix mat anodized aluminum windows and doors made of extruded profiles of standard UNI 3870 - ICS 77.140.90 and film thickness 15-25micro meter. Aluminum profiles and colour to be approved by the Architect . Handle in U-shaped latch and key, in stainless steel. All accessories included.	un	n.a			
8.2.6	D6 (0.85x2.70m) - Single swing door - supply and fix mat anodized aluminum windows and doors made of extruded profiles of standard UNI 3870 - ICS 77.140.90 and film thickness 15-25micro meter. Aluminum profiles and colour to be approved by the Architect . Handle in U-shaped latch and key, in stainless steel. All accessories included.	un	15.00	0.00 €	0.00 €	
8.2.7	D7 (1.10mx2.70m) - Single swing door - supply and fix mat anodized aluminum windows and doors made of extruded profiles of standard UNI 3870 - ICS 77.140.90 and film thickness 15-25micro meter. Aluminum profiles and colour to be approved by the Architect . Handle in U-shaped latch and key, in stainless steel. All accessories included.	un	2.00	0.00 €	0.00 €	
8.2.8	D.8 (1.60mx2.70m) - Double swing door supply and fix mat anodized aluminum windows and doors made of extruded profiles of standard UNI 3870 - ICS 77.140.90 and film thickness 15-25micro meter. Aluminum profiles and colour to be approved by the Architect . Handle in U-shaped latch and key, in stainless steel. All accessories included.	un	n.a			
8.2.9	D.9- Hermec sliding door / Hermetic system class 4, according UNI EN 12207 "Grupsa HS-201" / sheet of stainless steel (dim. 1,40x2,10m). No handle, automatic opening system. All accessories included.	un	n.a			
8.2.10	D.10- Single swing door (1.0mx 3.10m) supply and fix mat anodized aluminum windows and doors made of extruded profiles of standard UNI 3870 - ICS 77.140.90 and film thickness 15-25micro meter. Aluminum profiles and colour to be approved by the Architect . Handle in U-shaped latch and key, in stainless steel. All accessories included.	un	8.00	0.00 €	0.00 €	
8.2.11	D.11- Double swing door (1.50m x 3.10m) supply and fix mat anodized aluminum windows and doors made of extruded profiles of standard UNI 3870 - ICS 77.140.90 and film thickness 15-25micro meter. Aluminum profiles and colour to be approved by the Architect . Handle in U-shaped latch and key, in stainless steel. All accessories included.	un	n/a			
8.2.12	D.12- Double swing door (1.60m x 3.10m) supply and fix mat anodized aluminum windows and doors made of extruded profiles of standard UNI 3870 - ICS 77.140.90 and film thickness 15-25micro meter. Aluminum profiles and colour to be approved by the Architect . Handle in U-shaped latch and key, in stainless steel. All accessories included.	un	n.a			
8.3	Technical cabinets					
8.3.1	TC.1- Technical cabinet with double swing door / HDF / thermal laminate HPL white " RAL 9010" (dim. 1,20x2,10). With key / no handle. All accessories included.	un	2.00	0.00 €	0.00 €	
8.3.2	TC.2- Technical cabinet with double swing door / galvanized steel/ painted "light grey RAL 7047" (dim. 1,20x2,10). With key / no handle. All accessories included.	un	n.a			
8.3.3	TC.3- Technical cabinet with single door / HDF/ thermal laminate HPL "white RAL 9010" (dim. 0,60x2,10). With key / no handle. All accessories included.	un	n.a			
8.3.4	TC.4- Technical cabinet with double swing door / galvanized steel/ painted "light grey RAL 7047" (dim. 1,60x2,10). With key / no handle. All accessories included.	un	n.a			
8.3.5	TC.5- Technical cabinet with double swing door /HDF/thermolaminated "RAL 9010" (dim. 1,60x2,10m) With key / no handle. All accessories included.	un	3.00	0.00 €	0.00 €	
9.	WINDOWS					
9.1	Interior Windows					
9.1.1	W.1- Slide and fixed window sashes / Anodized aluminium / Laminated 5+ 5mm clear glass (dim. 3,00x1,20). All accessories included.	un	2.00	0.00 €	0.00 €	
9.1.2	W.2- Slide window sashes / Anodized aluminium / Laminated 5+5mm clear glass (dim. 2,25x1,50m). All accessories included.	un	n.a			
9.1.3	W.3- Slide window sashes / Anodized aluminium / Laminated 5+5mm clear glass (dim. 1,00x1,40m). All accessories included.	un	4.00	0.00 €	0.00 €	
9.1.4	W.4- Boom hung window sash / Anodized aluminium / Laminated 5+5mm clear glass (dim. 0,60x1,50m). All accessories included.	un	n.a			
9.1.5	W.5- Slide window sashes / Anodized aluminium / Laminated 5+5mm clear glass (dim. 1,50x2,00m). All accessories included.	un	n.a			
9.1.6	W.6- Boom hung window sash / Anodized aluminium / Laminated 5+5mm clear glass (dim. 0,75x1,50m). All accessories included.	un	n.a			
9.1.7	W.7- Slide window sashes / Anodized aluminium / Laminated 5+5mm clear glass (dim. 1,50x1,50m). All accessories included.	un	7.00	0.00 €	0.00 €	
9.1.8	W.8- Slide window sashes / Anodized aluminium / Laminated 5+5mm clear glass (dim. 1,50x1,50m). All accessories included.	un	16.00	0.00 €	0.00 €	
9.1.9	W.9- Slide window sashes / Anodized aluminium / Laminated 5+5mm clear glass (dim. 1,00x1,30m). All accessories included.	un	n.a			

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	BOQ - BILL OF QUANTITY - ARCHITECTURE					
9.1.10	W.10- Fixed interior window / Anodized aluminium frame / Laminated 5+5mm clear glass (dim. 1,20x1,10m). All accessories included.	un	n.a			
9.1.11	W.11- Fixed interior window / Anodized aluminium frame / Laminated 5+5mm clear glass (dim. 2,20x1,10m). All accessories included.	un	n.a			
9.1.12	W.12- Slide window shashes / Anodized aluminium frame / Laminated 5+5mm clear glass (dim. 1,40x1,50m). All accessories included.	un	1.00	0.00 €	0.00 €	
9.1.13	W.13- Bottom hung window sash / Anodized aluminium frame / Laminated 5+5mm clear glass (dim. 0,75x0,6m). All accessories included.	un	4.00	0.00 €	0.00 €	
9.2	Shadding					
9.2.1	S.1- Existing shutters to be relocated in the west and south exposed windows (dim. 1,50x1,20m). All accessories included.	un	8.00	0.00 €	0.00 €	
9.3	Window Sill					
9.3.1	Existing Pre-fabricated concrete window sill (same width as the window) to be relocated	un	8.00	0.00 €	0.00 €	
10.	CANOPY					
10.1	Sandwich Roof Panels					
10.1.1	5 Ribs profiled outer sheet, exterior coating in white paint with good UV resistance (RAL 9010), core in Mineral wool with 80 mm thickness , interior coating: polymer coating resistant to mould (RAL 9010), Fire performance according to TS EN 13501-1,A2-s1	m2	39.50	0.00 €	0.00 €	
10.2	Downspouts					
10.2.1	Metal downspouts painted in white with good UV resistance (RAL 9010) all joints and connections included	m/l	12.80	0.00 €	0.00 €	
10.3	Gutters					
10.3.1	White Aluminium gutters, all joints included. Cover of the gutter with a lacquered (RAL 9010) metallic sheet with 48 cm high (please see detail on A,05,02 Walls and Gutters) held in place with metal clamps.	m/l	n.a			
11.	VARIOUS					
11.1	Supply and placement of break-proof mirrors placed complanarly with the tile, including transportation, discharge, fixing accessories, tapes and all materials and complementary accessories. Mirror: 1,2m height with variable lenght	m2	14.80	0.00 €	0.00 €	
11.2	750mm length x 30mm thick marble copping at connection between skin wall and existing papapet wall	ml	120.00	0.00 €	0.00 €	
11.3	3mm thick metal louver to be provided at the skin wall to cover up the existing windows.	m2	72.00	0.00 €	0.00 €	
11.4	Railing (BLOCK A): Toprail, Handrail, rails (tubular shape with 5mm of diameter and 2mm tick), ineer posts, in stainless steel (please see sheet number: A.02.09- Elevations, Block A- Elevation North)	m/l	68.00	0.00 €	0.00 €	
CHAPTER D - INSTALATION AND EQUIPMENT OF WATER AND SEWAGE SYSTEM						0.00 €
1.	SANITARY EQUIPMENT					
1.1	Supply and laying of ceramic sanitary ware white glazed including transport, unloading, fastenings and connections, seals and all complementary materials, works and accessories	a.w	1.00	0.00 €	0.00 €	
1.2	Standing European Toilets in ware white glazed, including water tank	un	n.a			
1.3	Standing Disabled Toilets in ware white glazed, including elevated water tank	un	n.a			
1.4	Disabled Toilets Bars kit in stainless steel	un	n.a			
1.5	Squatting Toilet in ware white glazed steel, including elevated water tank	un	2.00	0.00 €	0.00 €	
1.6	Basin in ceramic white glazed. dimensions: 450mm*350mm*200mm	un	3.00	0.00 €	0.00 €	
1.7	Basin in ceramic white glazed. dimensions: 600mm*450mm*200mm	un	9.00	0.00 €	0.00 €	
1.8	Shower Kit with mixer tap in ABS plastic, including all fixings,suports and sealants needed to complete shower installation	un	n.a			
1.9	Drain in stainless steel	un	n.a			
1.10	Scrub Basin in stainless steel, 1 basin, dimensions: 1000mmx700mmx200mm	un	n.a			
1.11	CSSD Basin in stainless steel. Dimensions: 450mmx450mmx200mm	un	n.a			
1.12	Soiled Tray in ceramic with stainless steel grid. Dimensions: 500mmx500mmx350mm	un	2.00	0.00 €	0.00 €	
1.13	Wall mounted single tap, brass chrome	un	25.00	0.00 €	0.00 €	
1.14	Wall mounted single tap with medical elbow action, brass chrome	un	n.a			
1.15	Wall mounted single tap with pull out spray, brass chrome	un	n.a			
CHAPTER E - LANDSCAPING						0.00 €
10.1	Paving					
10.1.1	EF1-Resistent concrete pieces above a compacted pavement (vehicle road)	m2	n.a			
10.1.2	EF2-Concrete pieces (pedestrian sidewalk)	m2	n.a			
10.1.3	EF3-Compacted gravel	m2	n.a			
10.1.4	EF4-Earth and humus to plant resistant type grass	m2	65.92	0.00 €	0.00 €	
10.1.5	Smoothed concrete floor with a siloxane sealer (exterior corridor)	m2	n.a			
10.2	Forestation					
10.2.1	New trees (local species to be defined)	un	1.00	0.00 €	0.00 €	
10.2.1	New bushes (local species to be defined)	m/l	19.30	0.00 €	0.00 €	
10.3	Benches					
10.3.1	Supply and placement of concrete benches made in situ with all necessary works and iron fittings to secure their perfect assembly as shown in detail drawings.	m/l	22.00	0.00 €	0.00 €	

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				Unitary	Partial	Totals
	BOQ - BILL OF QUANTITY - STRUCTURE					
3	STRUCTURE					0.00 €
3.1	BLOCK A & B					0.00 €
	SUB-STRUCTURE					
3.1.1	EARTH-WORKS					
3.1.1.1	Excavation					
3.1.1.1.1	Excavation on land of any nature in order to obtain project levels, including loading and transport of surplus material to the dump, eventual bracing, pumping of the tributary water to the excavation, regularization of the bottom of the box and replacement of land whenever necessary, all executed in order to obtain the levels indicated in the design.	m3	75.37	0.00 €	0.00 €	
3.1.1.2	Excavation for foundations					
3.1.1.1.2	Excavation on land of any nature for the implementation of foundations elements, including loading and transport of surplus material to the dump, eventual bracing, pumping of the tributary water to the excavation, regularization of the bottom of the box and replacement of land whenever necessary, all executed in order to obtain the levels indicated in the design.	m3	209.66	0.00 €	0.00 €	
3.1.2	CONCRETE					
3.1.2.1	Blinding concrete					
3.1.2.1.1	Concrete C16/20, for regularization of foundation well, including supply, transport, placement, compaction and curing, according to the design.	m3	6.99	0.00 €	0.00 €	
3.1.2.1.2	Concrete C16/20, for ground slab, including supply, transport, placement, compaction and curing, according to the design.	m3	5.31	0.00 €	0.00 €	
	Note: For the quantification of the concrete in foundation pits (and the respective excavation) it was considered that the soil with the appropriate characteristics to support the projected structures is 3m deep, measured in relation to the level of the pavement. This assumption must be verified on site.					
3.1.3	REINFORCED CONCRETE					
	Pricing notes:					
	A) The costs of Concrete shall include making, storing and testing of concrete test cubes as required and providing cube moulds necessary for the purpose and for submitting reports of the tests to the Engineer.					
	B) Price for concrete shall include placing concrete by whatever means, for vibrating with mechanical vibrators. Formwork and reinforcement shall be measured separately unless otherwise described.					
3.1.3.1	FOUNDATIONS					
3.1.3.1.1	Reinforced concrete in ground beam					
	Standard grey concrete C25/30, including supply, transport, placement, compaction, curing and incorporation of water-repellent, according to the design. Reinforcement in A500 steel, including supply, transport, folding, cutting, assembly, anchorages, splicing, scrap and laying, according to the design. Formwork for concrete, in metal or wood molds, without defects, including transport, shoring, oil extraction and subsequent disassembly, according to the design. (formwork and reinforcement measured separately).	m3	18.64	0.00 €	0.00 €	
3.1.4	SLABS					
3.1.4.1	Ground Floor Slab					
	Ground floor consisting of a concrete slab C25/30 0.10m thick, including surface hardener, top and bottom welded reinforcement mesh, PVC membrane with 0.12mm thick, concrete slab C16/20, 0.05m thick, crushed material densely packed with 0.30m thickness, regularization and compacting of the existing ground, supply, transport, laying and all the necessary complementary work, all executed according to the design.	m2	106.28	0.00 €	0.00 €	
3.1.5	FORMWORK					
3.1.5.1	Formwork to ground beam					
	Formwork for concrete, in metal or wood molds, without defects, including transport, shoring, oil extraction and subsequent disassembly, according to the design.	m2	93.18	0.00 €	0.00 €	
3.1.6	REINFORCEMENT					
3.1.6.1	Reinforcement bar to sub-structures					
	Reinforcement in A500 steel, including supply, transport, folding, cutting, assembly, anchorages, splicing, scrap, laying and tying wires, according to the design.					
3.1.6.1.1	Diam 12mm Deformed bar.	kg	1,248.00	0.00 €	0.00 €	
3.1.6.1.2	Diam 8mm Deformed bar.	kg	1,001.38	0.00 €	0.00 €	
3.1.7	WATERPROOFING					
3.1.7.1	Waterproofing type system					
	Impermeability of the elements buried in contact with the ground, with application of bituminous paint in two coats, including supply, transport and placement, folds, overlaps, finishes and losses, all executed according to the project.	m2	93.18	0.00 €	0.00 €	
3.1.8	MASONRY WORK					
3.1.8.1	Basaltic or equivalent stone masonry foundation wall bedded in cement sand mortar (1:4) below NGL...	m2	139.78	0.00 €	0.00 €	
	SUPER-STRUCTURE					
3.1.9	REINFORCED CONCRETE					
	Pricing notes:					
	A) The costs of Concrete shall include making, storing and testing of concrete test cubes as required and providing cube moulds necessary for the purpose and for submitting reports of the tests to the Engineer.					

CODE	DESCRIPTION	UNITS	QUANTITIES	PRICES (EURO)		
				Unitary	Partial	Totals
	BOQ - BILL OF QUANTITY - STRUCTURE					
	B) Price for concrete shall include placing concrete by whatever means,for vibrating with mechanical vibrators. Formwork and reinforcement shall be measured separately unless otherwise described.					
3.1.9.1	ELEVATION COLUMN					
3.1.9.1.1	Reinforced concrete in elevation column					
	Standard grey concrete C25/30, including supply, transport, placement, compaction, curing and incorporation of water-repellent, according to the design. Reinforcement in A500 steel, including supply, transport, folding, cutting, assembly, anchorages, splicing, scrap and laying, according to the design. Formwork for concrete, in metal or wood molds, without defects, including transport, shoring, oil extraction and subsequent disassembly, according to the design.(formwork and reinforcement measured separately).	m3	2.57	0.00 €	0.00 €	
3.1.9.2	ROOF BEAMS					
3.1.9.2.1	Reinforced concrete in roof beam					
	Standard grey concrete C25/30, including supply, transport, placement, compaction, curing and incorporation of water-repellent, according to the design. Reinforcement in A500 steel, including supply, transport, folding, cutting, assembly, anchorages, splicing, scrap and laying, according to the design. Formwork for concrete, in metal or wood molds, without defects, including transport, shoring, oil extraction and subsequent disassembly, according to the design.(formwork and reinforcement measured separately).	m3	7.13	0.00 €	0.00 €	
3.1.9.3	ROOF SLABS					
3.1.9.3.1	Reinforced concrete in roof slab					
	Standard grey concrete C25/30, including supply, transport, placement, compaction, curing and incorporation of water-repellent, according to the design. Reinforcement in A500 steel, including supply, transport, folding, cutting, assembly, anchorages, splicing, scrap and laying, according to the design. Formwork for concrete, in metal or wood molds, without defects, including transport, shoring, oil extraction and subsequent disassembly, according to the design.(formwork and reinforcement measured separately).	m3	25.10	0.00 €	0.00 €	
3.1.10	FORMWORK					
3.1.10.1	ELEVATION COLUMN					
3.1.10.1.1	Formwork to elevation column					
	Formwork for concrete, in metal or wood molds, without defects, including transport, shoring, oil extraction and subsequent disassembly, according to the design.	m2	51.74	0.00 €	0.00 €	
3.1.10.2	ROOF BEAMS					
3.1.10.2.1	Formwork to roof beam					
	Formwork for concrete, in metal or wood molds, without defects, including transport, shoring, oil extraction and subsequent disassembly, according to the design.	m2	71.27	0.00 €	0.00 €	
3.1.10.3	ROOF SLABS					
3.1.10.3.1	Formwork to roof slab					
	Formwork for concrete, in metal or wood molds, without defects, including transport, shoring, oil extraction and subsequent disassembly, according to the design.	m2	125.49	0.00 €	0.00 €	
3.1.11	REINFORCEMENT					
3.1.11.1	Reinforcement bar to sub-structures					
	Reinforcement in A500 steel, including supply, transport, folding, cutting, assembly, anchorages, splicing, scrap, laying and tying wires, according to the design.					
3.1.11.1.1	Diam 12mm Deformed bar.	kg	1,123.28	0.00 €	0.00 €	
3.1.11.1.2	Diam 10mm Deformed bar.	kg	1,375.47	0.00 €	0.00 €	
3.1.11.1.3	Diam 8mm Deformed bar.	kg	326.35	0.00 €	0.00 €	
3.2	Driveway, Parking and Walkways					
3.2.1	Driveway and Parking					
3.2.1.1	Grade and compact 150mm thick road sub-grade to 93% MDD including rolling and watering and leaving surface sufficiently hard to receive road surface.	m2	455.00	0.00 €	0.00 €	
3.2.1.2	Provide 150mm thick approved granular material, spread, water and compact in layers of 150mm thickness to at least 95% Mod. AASHTO on carriageway as directed by the Engineer.	m2	455.00	0.00 €	0.00 €	
3.2.1.3	80 mm Thick heavy duty interlocking concrete block laid on falls and including 30 mm thick sand bed, allow for compaction, rolling and vibration, spread and brush into joints and compact.	m2	455.00	0.00 €	0.00 €	
3.2.2	Pedestrian Walkways					
3.2.2.1	60 mm Thick heavy duty interlocking concrete block size laid on falls and including 20 mm thick sand bed, allow for compaction, rolling and vibration, spread and brush into joints and compact.	m2	205.00	0.00 €	0.00 €	
3.2.3	Concrete Kerbing, Channeling and Lining for walkways and Grenneries					
3.2.3.1	250 x 125 mm Splayed kerb to BS 340 including 125 x 100 mm channel on and including 100mm thick concrete Class 20 mass concrete bed and haunching, including all necessary excavation, formwork and disposal. As per Architects detailed drawing	ml	180.00	0.00 €	0.00 €	
	Important Notes:					
	1) The measures to determine quantities relating earth-works, were obtained from the geometric shapes defined in the design. No blistering, overcrowing, slopes or work platforms were considered. These costs should be included in the unit price of the excavation presented by the contractor.					
	2) Prior the start of the excavation, the contractor must certify whether or not plant network, such as water, sanitation, gas, electrical and telephone installations and provision of their protection or diversion, must be reflected in the unit price of the excavation presented by the contractor.					
	3) The measures to determinate the quantities of reinforced concrete were obtained from geometric shapes defined in the design.					
	4) The measurement of steel does not consider anchorages, overlays, hooks, scrap and accessories. These costs must be included in the unit price per kg submitted by the contractor.					
	5) In order to obtain all the characteristics of the materials, including concrete and steel, should be consulted the drawing of Table Frame of Materials and General Notes.					

CODE	DESCRIPTION	UNITS	QUANTITIES	PRICES (EURO)		
				Unitary	Partial	Totals
	BOQ - BILL OF QUANTITY - ELECTRICITY					
8	ELECTRICAL INSTALLATIONS					0.00 €
8.1	BLOCK A					
	The Bill of Quantities, Specifications, Drawings and all other Contract documents are complementary to each other. It is the responsibility of the Contractor to check the locations and quantities of the materials and equipment to be executed in accordance with the drawings. The unit rate of the materials and equipment shall be based on the Specification, all components as required and specified under each item concerned in the Specifications, Drawings, and all other Contract documents.					
8.1.1	Low Voltage Switchboard					
8.1.1.1	Supply and installation in accordance with the conditions defined in the in written pieces, specification, drawings and other elements of the project, for the following equipment and materials, and all required accessories as specified in schedules of equipment, detailed drawings and specs:					
8.1.1.2	Normal / Standby Switchboards:					
8.1.1.2.1	- S.A.0 (E)	Un	1	0.00 €	0.00 €	
8.1.1.2.2	- S.A.1 (E)	Un	1	0.00 €	0.00 €	
8.1.1.2.3	- S.A.2 (E)	Un	1	0.00 €	0.00 €	
8.1.1.2.4	- S.A.3 (E)	Un	1	0.00 €	0.00 €	
8.1.1.2.5	- S.A.4 (E)	Un	1	0.00 €	0.00 €	
8.1.1.3	Lighting Command Switchboards:					
8.1.1.3.1	- Q.C.I	Un	1	0.00 €	0.00 €	
8.1.2	Cabling					
8.1.2.1	Supply and installation in accordance with the conditions defined in the in written pieces, specification, drawings and other elements of the project, for the following equipment and materials, and all required accessories as specified in schedules of equipment, detailed drawings and specs:					
8.1.2.2	LV Distribution Cables (Indoor):					
8.1.2.2.1	- 5G6 mm² Cu/ XLPE/ PVC	ml	110	0.00 €	0.00 €	
8.1.2.2.1	- 5G10 mm² Cu/ XLPE/ PVC	ml	22	0.00 €	0.00 €	
8.1.3	Lighting					
8.1.3.1	Supply and installation in accordance with the conditions defined in the in written pieces, specification, drawings and other elements of the project, for the following equipment and materials, and all required accessories as specified in schedules of equipment, detailed drawings and specs:					
8.1.3.2	Indoor Lighting:					
8.1.3.2.1	Luminaires:					
8.1.3.2.1.1	- L1	Un	1	0.00 €	0.00 €	
8.1.3.2.1.2	- L3.1	Un	13	0.00 €	0.00 €	
8.1.3.2.1.3	- L3.2	Un	12	0.00 €	0.00 €	
8.1.3.2.1.4	- L4.1	Un	11	0.00 €	0.00 €	
8.1.3.2.1.5	- L4.2	Un	39	0.00 €	0.00 €	
8.1.3.2.1.6	- L8.1	Un	3	0.00 €	0.00 €	
8.1.3.2.1.8	- L9.0	Un	4	0.00 €	0.00 €	
8.1.3.2.1.9	- L14.3	Un	8	0.00 €	0.00 €	
8.1.3.2.1.10	- L15.1	Un	2	0.00 €	0.00 €	
8.1.3.2.1.11	- L18.2	Un	2	0.00 €	0.00 €	
8.1.3.2.1.12	- L21	Un	14	0.00 €	0.00 €	
8.1.3.3	Outdoor Lighting:					
8.1.3.3.1	Luminaires:					
8.1.3.3.1.1	- E1	Un	3	0.00 €	0.00 €	
8.1.3.4	Lighting Command Devices					
8.1.3.4.1	- One way switch, surface mounting	Un	17	0.00 €	0.00 €	
8.1.3.4.2	- Double pole switch, surface mounting	Un	19	0.00 €	0.00 €	
8.1.3.4.3	- Two way switch, surface mounting	Un	6	0.00 €	0.00 €	
8.1.3.4.4	- Surface Mounting Movement Detector 180°	Un	5	0.00 €	0.00 €	
8.1.3.4.5	- Surface Mounting Movement Detector 360°	Un	6	0.00 €	0.00 €	
8.1.3.5	Flush and surface Mounting Boxes:					
8.1.3.5.1	- Surface or Recessed mounting Connection Box	Un	85	0.00 €	0.00 €	
8.1.3.6	Electrical cables:					
8.1.3.6.1	Enclosed in a recessed or surface conduiting:					
8.1.3.6.1.1	- 2x 1,5 mm² Cu/ XLPE/ LSZH	ml	81	0.00 €	0.00 €	
8.1.3.6.1.2	- 3x 1,5 mm² Cu/ XLPE/ LSZH	ml	140	0.00 €	0.00 €	
8.1.3.6.1.3	- 3G 1,5 mm² Cu/ XLPE/ LSZH	ml	528	0.00 €	0.00 €	
8.1.3.6.2	On the air, fixed on a cable tray or ladder horizontal or vertical:					
8.1.3.6.2.1	- 3x 1,5 mm² Cu/ XLPE/ LSZH	ml	53	0.00 €	0.00 €	
8.1.3.6.2.2	- 3G 1,5 mm² Cu/ XLPE/ LSZH	ml	210	0.00 €	0.00 €	
8.1.3.7	Metric Rigid Conduit:					
8.1.3.7.1	Enclosed in a recessed or surface conduiting:					
8.1.3.7.1.1	- PEAD Ø 20 mm	ml	748	0.00 €	0.00 €	
8.1.4	Emergency / Safety Lighting					
8.1.4.1	Supply and installation in accordance with the conditions defined in the in written pieces, specification, drawings and other elements of the project, for the following equipment and materials, and all required accessories as specified in schedules of equipment, detailed drawings and specs:					
8.1.4.2	Indoor Lighting:					
8.1.4.2.1	- S1 - maintained (60min Autonomy)	Un	8	0.00 €	0.00 €	
8.1.4.2.2	- S1 - not maintained (60min Autonomy)	Un	33	0.00 €	0.00 €	
8.1.4.2.3	- S2 - maintained (60min Autonomy)	Un	3	0.00 €	0.00 €	
8.1.4.3	Electrical cables:					
8.1.4.3.1	Enclosed in a recessed or surface conduiting:					
8.1.4.3.1.1	- 3G 1,5 mm² Cu/ XLPE/ LSZH	ml	72	0.00 €	0.00 €	
8.1.4.3.2	On the air, fixed on a cable tray or ladder horizontal or vertical:					
8.1.4.3.2.1	- 3G 1,5 mm² Cu/ XLPE/ LSZH	ml	121	0.00 €	0.00 €	
8.1.4.4	Metric Rigid Conduit:					
8.1.4.4.1	Enclosed in a recessed or surface conduiting:					
8.1.4.4.1.1	- PVC Ø 20 mm	ml	72	0.00 €	0.00 €	
8.1.5	General Purpose Power Outlet					
8.1.5.1	Supply and installation in accordance with the conditions defined in the in written pieces, specification, drawings and other elements of the project, for the following equipment and materials, and all required accessories as specified in schedules of equipment, detailed drawings and specs:					
8.1.5.2	Single Flush and Surface Mounting Devices - Normal/Standby Supply:					
8.1.5.2.1	- Surface mounting earth Socket (BS Type) - 16A IP44	Un	40	0.00 €	0.00 €	
8.1.5.2.2	- Surface mounting earth Socket (BS Type) - 16A with cover IP44	Un	3	0.00 €	0.00 €	
8.1.5.2.3	- Flush Mounting Earthed Socket (BS Type) - 16A trunking	Un	19	0.00 €	0.00 €	
8.1.5.3	Double Flush and Surface Mounting Devices - Normal/Standby Supply:					

CODE	DESCRIPTION	UNITS	QUANTITIES	PRICES (EURO)		
				Unitary	Partial	Totals
	BOQ - BILL OF QUANTITY - ELECTRICITY					
8.1.5.3.1	- Surface mounting earth Socket (BS Type) - 16A IP44	Un	1	0.00 €	0.00 €	
8.1.5.3.2	- Flush Mounting Earthed Socket (BS Type) - 16A trunking	Un	46	0.00 €	0.00 €	
8.1.5.4	Flush and surface Mounting Boxes:					
8.1.5.4.1	- Surface or Recessed mounting Connection Box	Un	65	0.00 €	0.00 €	
8.1.5.4.2	- Surface or Recessed mounting Terminal Box	Un	50	0.00 €	0.00 €	
8.1.5.5	Electrical cables:					
8.1.5.5.1	Enclosed in a recessed or surface conduiting:					
8.1.5.5.1.1	- 3G 2.5 mm² Cu/ XLPE/ LSZH	ml	981	0.00 €	0.00 €	
8.1.5.5.2	On the air, fixed on a cable tray or ladder horizontal or vertical:					
8.1.5.5.2.1	- 3G 2.5 mm² Cu/ XLPE/ LSZH	ml	546	0.00 €	0.00 €	
8.1.5.6	Metric Rigid Conduit:					
8.1.5.6.1	Enclosed in a recessed or surface conduiting:					
8.1.5.6.1.1	- PVC Ø 20 mm	ml	981.00	0.00 €	0.00 €	
8.1.6	Cable tray, Trunking System and Conduits					
8.1.6.1	Supply and installation in accordance with the conditions defined in the in written pieces, specification, drawings and other elements of the project, for the following equipment and materials, and all required accessories as specified in schedules of equipment, detailed drawings and specs:					
8.1.6.2	Metallic perforated cable tray of side height 60 mm:					
8.1.6.2.1	Electrical Installation:					
8.1.6.2.1.1	- 100 width, strip-galvanised	ml	25	0.00 €	0.00 €	
8.1.6.2.1.2	- 200 width, strip-galvanised	ml	65	0.00 €	0.00 €	
8.1.6.2.1.3	- 300 width, strip-galvanised	ml	15	0.00 €	0.00 €	
8.1.6.2.1.4	- 400 width, strip-galvanised	ml	35	0.00 €	0.00 €	
8.1.6.2.2	ICT Installation:					
8.1.6.2.2.1	- 100 width, strip-galvanised	ml	30	0.00 €	0.00 €	
8.1.6.2.2.2	- 200 width, strip-galvanised	ml	65	0.00 €	0.00 €	
8.1.6.2.2.3	- 300 width, strip-galvanised	ml	35	0.00 €	0.00 €	
8.1.6.2.2.4	- 400 width, strip-galvanised	ml	8	0.00 €	0.00 €	
8.1.6.3	Distribution Cable-Trunkings:					
8.1.6.3.1	- Cable-Trunkings, with 110x50mm	ml	150	0.00 €	0.00 €	
8.1.6.4	Metric Rigid Conduit:					
8.1.6.4.1	Enclosed in a recessed or surface conduiting:					
8.1.6.4.1.1	- PVC Ø 25 mm	ml	100	0.00 €	0.00 €	
8.1.7	Complementary Work					
8.1.7.1	- Construction work to support the implementation of water distribution networks for fire-fighting purposes, as well as all the works, materials and accessories necessary to the correct execution of the task.	Gv	1	0.00 €	0.00 €	
8.1.7.2	- Supply and installation of intumescent clamps and sleeves with characteristics EI60 and EI90 for fire protection at crossings of pipes in combustible material, as well as all the works, materials and accessories necessary to the correct execution of the task	Gv	1	0.00 €	0.00 €	
8.1.8	Final Work					
8.1.8.1	- Verification, cleaning and testing of all network.	Gv	1	0.00 €	0.00 €	
8.1.8.2	- Elaboration of the pieces drawn according to the work executed.	Gv	1	0.00 €	0.00 €	
TOTAL ELECTRICAL INSTALLATIONS						0.00 €
8.2	BLOCK B					
	The Bill of Quantities, Specifications, Drawings and all other Contract documents are complementary to each other. It is the responsibility of the Contractor to check the locations and quantities of the materials and equipment to be executed in accordance with the drawings. The unit rate of the materials and equipment shall be based on the Specification, all components as required and specified under each item concerned in the Specifications, Drawings, and all other Contract documents.					
8.2.1	Low Voltage Switchboard					
8.2.1.1	Supply and installation in accordance with the conditions defined in the in written pieces, specification, drawings and other elements of the project, for the following equipment and materials, and all required accessories as specified in schedules of equipment, detailed drawings and specs:					
8.2.1.2	Normal / Standby Switchboards:					
8.2.1.2.1	- S.B.0 (E)	Un	n.a			
8.2.2	Cabling					
8.2.2.1	Supply and installation in accordance with the conditions defined in the in written pieces, specification, drawings and other elements of the project, for the following equipment and materials, and all required accessories as specified in schedules of equipment, detailed drawings and specs:					
8.2.2.2	Distribution Cables (Indoor):					
8.2.2.2.1	- 5G6 mm² Cu/ XLPE/ PVC	ml	n.a			
8.2.3	Lighting					
8.2.3.1	Supply and installation in accordance with the conditions defined in the in written pieces, specification, drawings and other elements of the project, for the following equipment and materials, and all required accessories as specified in schedules of equipment, detailed drawings and specs:					
8.2.3.2	Indoor Lighting:					
8.2.3.2.1	Luminaires:					
8.2.3.2.1.1	- L3.1	Un	n.a			
8.2.3.2.1.2	- L4.2	Un	n.a			
8.2.3.2.1.3	- L21	Un	n.a			
8.2.3.3	Lighting Command Devices					
8.2.3.3.1	- Double pole switch, surface mounting	Un	n.a			
8.2.3.3.2	- Surface Mounting Movement Detector 360°	Un	n.a			
8.2.3.4	Flush and surface Mounting Boxes:					
8.2.3.4.1	- Surface or Recessed mounting Connection Box	Un	n.a			
8.2.3.5	Electrical cables:					
8.2.3.5.1	Enclosed in a recessed or surface conduiting:					
8.2.3.5.1.1	- 3x 1,5 mm² Cu/ XLPE/ LSZH	ml	n.a			
8.2.3.5.1.2	- 3G 1,5 mm² Cu/ XLPE/ LSZH	ml	n.a			
8.2.3.5.2	On the air, fixed on a cable tray or ladder horizontal or vertical:					
8.2.3.5.2.1	- 3G 1.5 mm² Cu/ XLPE/ LSZH	ml	n.a			
8.2.3.6	Metric Rigid Conduit:					
8.2.3.6.1	Enclosed in a recessed or surface conduiting:					
8.2.3.6.1.1	- PEAD Ø 20 mm	ml	n.a			
8.2.4	Emergency / Safety Lighting					
8.2.4.1	Supply and installation in accordance with the conditions defined in the in written pieces, specification, drawings and other elements of the project, for the following equipment and materials, and all required accessories as specified in schedules of equipment, detailed drawings and specs:					

CODE	DESCRIPTION	UNITS	QUANTITIES	PRICES (EURO)		
				Unitary	Partial	Totals
	BOQ - BILL OF QUANTITY - ELECTRICITY					
8.2.4.2	Indoor Lighting:					
8.2.4.2.1	- S1 - maintained (60min Autonomy)	Un	n.a			
8.2.4.2.2	- S1 - not maintained (60min Autonomy)	Un	n.a			
8.2.4.2.3	- S2 - maintained (60min Autonomy)	Un	n.a			
8.2.4.3	Electrical cables:					
8.2.4.3.1	Enclosed in a recessed or surface conduiting:					
8.2.4.3.1.1	- 3G 1,5 mm² Cu/ XLPE/ LSZH	ml	n.a			
8.2.4.3.2	On the air, fixed on a cable tray or ladder horizontal or vertical:					
8.2.4.3.2.1	- 3G 1,5 mm² Cu/ XLPE/ LSZH	ml	n.a			
8.2.4.4	Metric Rigid Conduit:					
8.2.4.4.1	Enclosed in a recessed or surface conduiting:					
8.2.4.4.1.1	- PVC Ø 20 mm	ml	n.a			
8.2.5	General Purpose Power Outlet					
8.2.5.1	Supply and installation in accordance with the conditions defined in the in written pieces, specification, drawings and other elements of the project, for the following equipment and materials, and all required accessories as specified in schedules of equipment, detailed drawings and specs:					
8.2.5.2	Single Flush and Surface Mounting Devices - Normal/Standby Supply:					
8.2.5.2.1	- Surface mounting earth Socket (BS Type) - 16A IP44	Un	n.a			
8.2.5.2.2	- Flush Mounting Earthed Socket (BS Type) - 16A trunking	Un	n.a			
8.2.5.3	Double Flush and Surface Mounting Devices - Normal/Standby Supply:					
8.2.5.3.1	- Flush Mounting Earthed Socket (BS Type) - 16A trunking	Un	n.a			
8.2.5.4	Flush and surface Mounting Boxes:					
8.2.5.4.1	- Surface or Recessed mounting Connection Box	Un	n.a			
8.2.5.4.2	- Surface or Recessed mounting Terminal Box	Un	n.a			
8.2.5.5	Electrical cables:					
8.2.5.5.1	Enclosed in a recessed or surface conduiting:					
8.2.5.5.1.1	- 3G 2,5 mm² Cu/ XLPE/ LSZH	ml	n.a			
8.2.5.5.2	On the air, fixed on a cable tray or ladder horizontal or vertical:					
8.2.5.5.2.1	- 3G 2,5 mm² Cu/ XLPE/ LSZH	ml	n.a			
8.2.5.6	Metric Rigid Conduit:					
8.2.5.6.1	Enclosed in a recessed or surface conduiting:					
8.2.5.6.1.1	- PVC Ø 20 mm	ml	n.a			
8.2.6	Cable tray, Trunking System and Conduits					
8.2.6.1	Supply and installation in accordance with the conditions defined in the in written pieces, specification, drawings and other elements of the project, for the following equipment and materials, and all required accessories as specified in schedules of equipment, detailed drawings and specs:					
8.2.6.2	Metallic perforated cable tray of side height 60 mm:					
8.2.6.2.1	Electrical Installation:					
8.2.6.2.1.1	- 100 width, strip-galvanised	ml	n.a			
8.2.6.2.1.2	- 200 width, strip-galvanised	ml	n.a			
8.2.6.2.1.3	- 300 width, strip-galvanised	ml	n.a			
8.2.6.2.2	ICT Installation:					
8.2.6.2.2.1	- 100 width, strip-galvanised	ml	n.a			
8.2.6.2.2.2	- 200 width, strip-galvanised	ml	n.a			
8.2.6.2.2.3	- 300 width, strip-galvanised	ml	n.a			
8.2.6.3	Distribution Cable-Trunkings:					
8.2.6.3.1	- Cable-Trunkings, with 110x50mm	ml	n.a			
8.2.6.4	Metric Rigid Conduit:					
8.2.6.4.1	Enclosed in a recessed or surface conduiting:					
8.2.6.4.1.1	- PVC Ø 25 mm	ml	n.a			
8.2.7	Complementary Work					
8.2.7.1	- Construction work to support the implementation of water distribution networks for fire-fighting purposes, as well as all the works, materials and accessories necessary to the correct execution of the task.	Gv	n.a			
8.2.7.2	- Supply and installation of intumescent clamps and sleeves with characteristics EI60 and EI90 for fire protection at crossings of pipes in combustible material, as well as all the works, materials and accessories necessary to the correct execution of the task	Gv	n.a			
8.2.8	Final Work					
8.2.8.2	- Verification, cleaning and testing of all network.	Gv	n.a			
8.2.8.3	- Elaboration of the pieces drawn according to the work executed.	Gv	n.a			
	TOTAL ELECTRICAL INSTALLATIONS					0.00 €
8.3	BLOCK C					
	The Bill of Quantities, Specifications, Drawings and all other Contract documents are complementary to each other. It is the responsibility of the Contractor to check the locations and quantities of the materials and equipment to be executed in accordance with the drawings. The unit rate of the materials and equipment shall be based on the Specification, all components as required and specified under each item concerned in the Specifications, Drawings, and all other Contract documents.					
8.3.1	Low Voltage Switchboard					
8.3.1.1	Supply and installation in accordance with the conditions defined in the in written pieces, specification, drawings and other elements of the project, for the following equipment and materials, and all required accessories as specified in schedules of equipment, detailed drawings and specs:					
8.3.1.2	Normal / Standby Switchboards:					
8.3.1.2.1	- S.C.S (E)	Un	1	0.00 €	0.00 €	
8.3.2	Cabling					
8.3.2.1	Supply and installation in accordance with the conditions defined in the in written pieces, specification, drawings and other elements of the project, for the following equipment and materials, and all required accessories as specified in schedules of equipment, detailed drawings and specs:					
8.3.2.2	Distribution Cables (Outdoor):					
8.3.2.2.1	- 3G6 mm² Al/ XLPE/ PVC	ml	55	0.00 €	0.00 €	
8.3.3	Lighting					
8.3.3.1	Supply and installation in accordance with the conditions defined in the in written pieces, specification, drawings and other elements of the project, for the following equipment and materials, and all required accessories as specified in schedules of equipment, detailed drawings and specs:					
8.3.3.2	Indoor Lighting:					
8.3.3.2.1	Luminaires:					
8.3.3.2.1.1	- L9.0	Un	2	0.00 €	0.00 €	
8.3.3.2.1.2	- L9.2	Un	1	0.00 €	0.00 €	
8.3.3.3	Outdoor Lighting:					
8.3.3.3.1	Luminaires:					

CODE	DESCRIPTION	UNITS	QUANTITIES	PRICES (EURO)		
				Unitary	Partial	Totals
	BOQ - BILL OF QUANTITY - ELECTRICITY					
8.3.3.3.1.1	- E1	Un	4	0.00 €	0.00 €	
8.3.3.3.2	Column:					
8.3.3.3.2.1	- C1 (Metal column of galvanized steel of single section, conical shape with height up to 8m)	Un	2	0.00 €	0.00 €	
8.3.3.4	Lighting Command Devices					
8.3.3.4.1	- One way switch, surface mounting	Un	1	0.00 €	0.00 €	
8.3.3.4.2	- Two way switch, surface mounting	Un	2	0.00 €	0.00 €	
8.3.3.5	Flush and surface Mounting Boxes:					
8.3.3.5.1	- Surface or Recessed mounting Connection Box	Un	2	0.00 €	0.00 €	
8.3.3.6	Electrical cables:					
8.3.3.6.1	Enclosed in a recessed or surface conduiting:					
8.3.3.6.1.1	- 2x 1,5 mm² Cu/ XLPE/ LSZH	ml	17	0.00 €	0.00 €	
8.3.3.6.1.2	- 3x 1,5 mm² Cu/ XLPE/ LSZH	ml	15	0.00 €	0.00 €	
8.3.3.6.1.3	- 3G 1,5 mm² Cu/ XLPE/ LSZH	ml	66	0.00 €	0.00 €	
8.3.3.6.2	On the air, fixed on a cable tray or ladder horizontal or vertical:					
8.3.3.6.2.1	- 3x 1,5 mm² Cu/ XLPE/ LSZH	ml	53	0.00 €	0.00 €	
8.3.3.6.2.2	- 3G 1,5 mm² Cu/ XLPE/ LSZH	ml	210	0.00 €	0.00 €	
8.3.3.7	Metric Rigid Conduit:					
8.3.3.7.1	Enclosed in a recessed or surface conduiting:					
8.3.3.7.1.1	- PEAD Ø 20 mm	ml	98	0.00 €	0.00 €	
8.3.4	Emergency / Safety Lighting					
8.3.4.1	Supply and installation in accordance with the conditions defined in the in written pieces, specification, drawings and other elements of the project, for the following equipment and materials, and all required accessories as specified in schedules of equipment, detailed drawings and specs:					
8.3.4.2	Indoor Lighting:					
8.3.4.2.1	- S3 - maintained (60min Autonomy)	Un	1	0.00 €	0.00 €	
8.3.4.3	Electrical cables:					
8.3.4.3.1	Enclosed in a recessed or surface conduiting:					
8.3.4.3.1.1	- 3G 1,5 mm² Cu/ XLPE/ LSZH	ml	6	0.00 €	0.00 €	
8.3.4.4	Metric Rigid Conduit:					
8.3.4.4.1	Enclosed in a recessed or surface conduiting:					
8.3.4.4.1.1	- PVC Ø 20 mm	ml	6	0.00 €	0.00 €	
8.3.5	General Purpose Power Outlet					
8.3.5.1	Supply and installation in accordance with the conditions defined in the in written pieces, specification, drawings and other elements of the project, for the following equipment and materials, and all required accessories as specified in schedules of equipment, detailed drawings and specs:					
8.3.5.2	Single Flush and Surface Mounting Devices - Normal/Standby Supply:					
8.3.5.2.1	- Surface mounting earth Socket (BS Type) - 16A IP44	Un	1	0.00 €	0.00 €	
8.3.5.3	Double Flush and Surface Mounting Devices - Normal/Standby Supply:					
8.3.5.3.1	- Flush Mounting Earthed Socket (BS Type) - 16A trunking	Un	2	0.00 €	0.00 €	
8.3.5.4	Flush and surface Mounting Boxes:					
8.3.5.4.3	- Surface or Recessed mounting Connection Box	Un	1	0.00 €	0.00 €	
8.3.5.4.3	- Surface or Recessed mounting Terminal Box	Un	2	0.00 €	0.00 €	
8.3.5.5	Electrical cables:					
8.3.5.5.1	Enclosed in a recessed or surface conduiting:					
8.3.5.5.1.1	- 3G 2,5 mm² Cu/ XLPE/ LSZH	ml	33	0.00 €	0.00 €	
8.3.5.5.2	On the air, fixed on a cable tray or ladder horizontal or vertical:					
8.3.5.5.2.1	- 3G 2,5 mm² Cu/ XLPE/ LSZH	ml	9	0.00 €	0.00 €	
8.3.5.6	Metric Rigid Conduit:					
8.3.5.6.1	Enclosed in a recessed or surface conduiting:					
8.3.5.6.1.1	- PVC Ø 20 mm	ml	33	0.00 €	0.00 €	
8.3.6	Cable tray, Trunking System and Conduits					
8.3.6.1	Supply and installation in accordance with the conditions defined in the in written pieces, specification, drawings and other elements of the project, for the following equipment and materials, and all required accessories as specified in schedules of equipment, detailed drawings and specs:					
8.3.6.2	Metalic perforated cable tray of side height 60 mm:					
8.3.6.2.1	ICT Installation:					
8.3.6.2.2.1	- 100 width, strip-galvanised	ml	10	0.00 €	0.00 €	
8.3.6.3	Distribution Cable-Trunkings:					
8.3.6.3.1	- Cable-Trunkings, with 110x50mm	ml	5	0.00 €	0.00 €	
8.3.6.4	Metric Rigid Conduit:					
8.3.6.4.1	Enclosed in a recessed or surface conduiting:					
8.3.6.4.1.1	- PVC Ø 25 mm	ml	5	0.00 €	0.00 €	
8.3.7	Complementary Work					
8.3.7.1	- Construction work to support the implementation of water distribution networks for fire-fighting purposes, as well as all the works, materials and accessories necessary to the correct execution of the task.	Gv	1	0.00 €	0.00 €	
8.3.7.2	- Supply and installation of intumescent clamps and sleeves with characteristics EI60 and EI90 for fire protection at crossings of pipes in combustible material, as well as all the works, materials and accessories necessary to the correct execution of the task	Gv	1	0.00 €	0.00 €	
8.3.8	Final Work					
8.3.8.1	- Verification, cleaning and testing of all network.	Gv	1	0.00 €	0.00 €	
8.3.8.2	- Elaboration of the pieces drawn according to the work executed.	Gv	1	0.00 €	0.00 €	
TOTAL ELECTRICAL INSTALLATIONS						0.00 €
8.4	BLOCK F					
	The Bill of Quantities, Specifications, Drawings and all other Contract documents are complementary to each other. It is the responsibility of the Contractor to check the locations and quantities of the materials and equipment to be executed in accordance with the drawings. The unit rate of the materials and equipment shall be based on the Specification, all components as required and specified under each item concerned in the Specifications, Drawings, and all other Contract documents.					
8.4.1	Low Voltage Switchboard					
8.4.1.1	Supply and installation in accordance with the conditions defined in the in written pieces, specification, drawings and other elements of the project, for the following equipment and materials, and all required accessories as specified in schedules of equipment, detailed drawings and specs:					
8.4.1.2	Normal / Standby Switchboards:					
8.4.1.2.1	- S.F.0 (E)	Un	n.a			
8.4.2	Lighting					

CODE	DESCRIPTION	UNITS	QUANTITIES	PRICES (EURO)		
				Unitary	Partial	Totals
	BOQ - BILL OF QUANTITY - ELECTRICITY					
8.4.2.1	Supply and installation in accordance with the conditions defined in the in written pieces, specification, drawings and other elements of the project, for the following equipment and materials, and all required accessories as specified in schedules of equipment, detailed drawings and specs:					
8.4.2.2	Indoor Lighting:					
8.4.2.2.1	Luminaires:					
8.4.2.2.1.1	- L9.1	Un	5	0.00 €	0.00 €	
8.4.2.2.1.2	- L15.2	Un	n.a			
8.4.2.2.1.3	- L25	Un	n.a			
8.4.2.3	Outdoor Lighting:					
8.4.2.3.1	Luminaires:					
8.4.2.3.1.1	- E1	Un	n.a			
8.4.2.4	Lighting Command Devices					
8.4.2.4.1	- One way switch, surface mounting	Un	n.a			
8.4.2.4.2	- Surface Mounting Movement Detector 180º	Un	n.a			
8.4.2.4.3	- Surface Mounting Movement Detector 360º	Un	n.a			
8.4.2.5	Flush and surface Mounting Boxes:					
8.4.2.5.1	- Surface or Recessed mounting Connection Box	Un	23	0.00 €	0.00 €	
8.4.2.6	Electrical cables:					
8.4.2.6.1	Enclosed in a recessed or surface conduiting:					
8.4.2.6.1.1	- 2x 1.5 mm² Cu/ XLPE/ LSZH	ml	14	0.00 €	0.00 €	
8.4.2.6.1.2	- 3x 1.5 mm² Cu/ XLPE/ LSZH	ml	24	0.00 €	0.00 €	
8.4.2.6.1.3	- 3G 1.5 mm² Cu/ XLPE/ LSZH	ml	204	0.00 €	0.00 €	
8.4.2.6.2	On the air, fixed on a cable tray or ladder horizontal or vertical:					
8.4.2.6.2.1	- 3x 1.5 mm² Cu/ XLPE/ LSZH	ml	53	0.00 €	0.00 €	
8.4.2.6.2.2	- 3G 1.5 mm² Cu/ XLPE/ LSZH	ml	210	0.00 €	0.00 €	
8.4.2.7	Metric Rigid Conduit:					
8.4.2.7.1	Enclosed in a recessed or surface conduiting:					
8.4.2.7.1.1	- PEAD Ø 20 mm	ml	223.3	0.00 €	0.00 €	
8.4.3	Emergency / Safety Lighting					
8.4.3.1	Supply and installation in accordance with the conditions defined in the in written pieces, specification, drawings and other elements of the project, for the following equipment and materials, and all required accessories as specified in schedules of equipment, detailed drawings and specs:					
8.4.3.2	Indoor Lighting:					
8.4.3.2.1	- S4 - not maintained (60min Autonomy)	Un	2	0.00 €	0.00 €	
8.4.3.3	Electrical cables:					
8.4.3.3.1	Enclosed in a recessed or surface conduiting:					
8.4.3.3.1.1	- 3G 1.5 mm² Cu/ XLPE/ LSZH	ml	24	0.00 €	0.00 €	
8.4.3.4	Metric Rigid Conduit:					
8.4.3.4.1	Enclosed in a recessed or surface conduiting:					
8.4.3.4.1.1	- PVC Ø 20 mm	ml	24	0.00 €	0.00 €	
8.4.4	General Purpose Power Outlet					
8.4.4.1	Supply and installation in accordance with the conditions defined in the in written pieces, specification, drawings and other elements of the project, for the following equipment and materials, and all required accessories as specified in schedules of equipment, detailed drawings and specs:					
8.4.4.2	Single Flush and Surface Mounting Devices - Normal/Standby Supply:					
8.4.4.2.1	- Surface mounting earth Socket (BS Type) - 16A IP44	Un	45	0.00 €	0.00 €	
8.4.4.2.2	- Surface mounting earth Socket (BS Type) - 16A with cover IP44	Un	4	0.00 €	0.00 €	
8.4.4.2.3	- Flush Mounting Earthed Socket (BS Type) - 16A trunking	Un	29	0.00 €	0.00 €	
8.4.4.3	Double Flush and Surface Mounting Devices - Normal/Standby Supply:					
8.4.4.3.1	- Surface mounting earth Socket (BS Type) - 16A IP44	Un	1	0.00 €	0.00 €	
8.4.4.3.2	- Flush Mounting Earthed Socket (BS Type) - 16A trunking	Un	66	0.00 €	0.00 €	
8.4.4.4	Flush and surface Mounting Boxes:					
8.4.4.4.1	- Surface or Recessed mounting Connection Box	Un	50	0.00 €	0.00 €	
8.4.4.5	Electrical cables:					
8.4.4.5.1	Enclosed in a recessed or surface conduiting:					
8.4.4.5.1.1	- 3G 2.5 mm² Cu/ XLPE/ LSZH	ml	214	0.00 €	0.00 €	
8.4.4.5.2	On the air, fixed on a cable tray or ladder horizontal or vertical:					
8.4.4.5.2.1	- 3G 2.5 mm² Cu/ XLPE/ LSZH	ml	399	0.00 €	0.00 €	
8.4.4.6	Metric Rigid Conduit:					
8.4.4.6.1	Enclosed in a recessed or surface conduiting:					
8.4.4.6.1.1	- PVC Ø 20 mm	ml	406	0.00 €	0.00 €	
8.4.5	Complementary Work					
8.4.5.1	- Construction work to support the implementation of water distribution networks for fire-fighting purposes, as well as all the works, materials and accessories necessary to the correct execution of the task.	Gv	1	0.00 €	0.00 €	
8.4.5.2	- Supply and installation of intumescent clamps and sleeves with characteristics EI60 and EI90 for fire protection at crossings of pipes in combustible material, as well as all the works, materials and accessories necessary to the correct execution of the task	Gv	1	0.00 €	0.00 €	
8.4.6	Final Work					
8.4.6.1	- Verification, cleaning and testing of all network.	Gv	1	0.00 €	0.00 €	
8.4.6.2	- Elaboration of the pieces drawn according to the work executed.	Gv	1	0.00 €	0.00 €	
TOTAL ELECTRICAL INSTALLATIONS						0.00 €

CODE	DESCRIPTION	UNITS	QUANTITIES	PRICES (EURO)		
				Unitary	Partial	Totals
	BOQ - BILL OF QUANTITY - ICT					
9.	INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT)					0.00 €
9.1	BLOCK A + B + C					0.00 €
	The Bill of Quantities, Specifications, Drawings and all other Contract documents are complementary to each other. It is the responsibility of the Contractor to check the locations and quantities of the materials and equipment to be executed in accordance with the drawings. The unit rate of the materials and equipment shall be based on the Specification, all components as required and specified under each item concerned in the Specifications, Drawings, and all other Contract documents.					
9.1.1	TCP/IP Network					
9.1.1.1	Supply and installation in accordance with the conditions defined in the in written pieces, specification, drawings and other elements of the project, for the following equipment and materials, and all required accessories as specified in schedules of equipment, detailed drawings and specs:					
9.1.1.1.1	Building Telecommunications Racks, Boxes and Cabinets:					
9.1.1.1.1.1	- (Main Rack)					
9.1.1.1.1.1.1	- Server Cabinet 42U's (Rack 19" A2000xL800xP800 [mm])	Un	1	0.00 €	0.00 €	
9.1.1.1.1.1.2	- Optical Fiber Panel 12 SC/APC connector (OF arrival)	Un	1	0.00 €	0.00 €	
9.1.1.1.1.1.3	- Optical Fiber Panel 12 SC/APC connector. (Distribution)	Un	1	0.00 €	0.00 €	
9.1.1.1.1.1.4	- Panel Coaxial (RG-CC Mirror)	Un	1	0.00 €	0.00 €	
9.1.1.1.1.1.5	- Patch Panel 1HU 24 RJ45 Cat 6A connector. (Distribution)	Un	6	0.00 €	0.00 €	
9.1.1.1.1.1.6	- Outlet Rackmount Power Strip 220V with a breaker.	Un	1	0.00 €	0.00 €	
9.1.1.1.1.1.7	- Including, set of 2 fans with thermostat, Fixed Shelf, Cable Management, Rings, and all required accessories and equipments necessary for its perfect assembly and operation.	Un	1	0.00 €	0.00 €	
9.1.1.1.2	Flush and Surface Mounting Devices:					
9.1.1.1.2.1	- Data outlet 1xRJ45 CAT 6A - Surfaced assembly	Un	n.a			
9.1.1.1.2.2	- Data outlet 2xRJ45 CAT 6A - Surfaced assembly	Un	n.a			
9.1.1.1.2.3	- Data outlet 2xRJ45 CAT 6A - Trunkung System assembly	Un	56	0.00 €	0.00 €	
9.1.1.1.3	Electrical cables:					
9.1.1.1.3.1	Enclosed in a recessed or surface conduiting:					
9.1.1.1.3.1.1	- U/UTP Category 6A Copper LSZH	ml	350	0.00 €	0.00 €	
9.1.1.1.3.2	On the air, fixed on a cable tray or ladder horizontal or vertical:					
9.1.1.1.3.2.1	- U/UTP Cat 6 LSZH	ml	150	0.00 €	0.00 €	
9.1.1.1.3.3	Patch cords:					
9.1.1.1.3.3.1	- U/UTP Category 6A Copper 1,0mt LSZH	Un	147	0.00 €	0.00 €	
9.1.1.1.3.3.2	- U/UTP Category 6A Copper 3mt LSZH	Un	147	0.00 €	0.00 €	
9.1.1.1.3.3.3	- FO 50/125 OM3 LSZH	Un	15	0.00 €	0.00 €	
9.1.1.1.3.4	Metric Rigid Conduit:					
9.1.1.1.3.4.1	Enclosed in a recessed or surface conduiting:					
9.1.1.1.3.4.1.1	- PVC Ø 25 mm	ml	206	0.00 €	0.00 €	
9.1.1.1.4	Others:					
9.1.1.1.4.1	- Engineering, System Programming, including System Testing, Commissioning and Training.	Gv	1	0.00 €	0.00 €	
9.1.1.1.4.2	- Connections, connectorizations and labeling.	Gv	1	0.00 €	0.00 €	
9.1.4	Fire Detection System					
9.1.4.1	Supply and installation in accordance with the conditions defined in the in written pieces, specification, drawings and other elements of the project, for the following equipment and materials, and all required accessories as specified in schedules of equipment, detailed drawings and specs:					
9.1.4.1.1	Fire Detection Devices:					
9.1.4.1.1.1	- Self contained Fire control panel, addressable fire alarm system.	Un	1	0.00 €	0.00 €	
9.1.4.1.1.2	- Manual call points	Un	11	0.00 €	0.00 €	
9.1.4.1.1.3	- Optical smoke detector including detector base	Un	55	0.00 €	0.00 €	
9.1.4.1.1.4	- Siren including base	Un	2	0.00 €	0.00 €	
9.1.4.1.2	Electrical cables:					
9.1.4.1.2.1	Enclosed in a recessed or surface conduiting:					
9.1.4.1.2.1.1	- JE-H(st)H 2x2x0,8mm²	ml	365	0.00 €	0.00 €	
9.1.4.1.2.2	On the air, fixed on a cable tray or ladder horizontal or vertical:					
9.1.4.1.2.2.1	- JE-H(st)H 2x2x0,8mm²	ml	280	0.00 €	0.00 €	
9.1.4.1.3	Metric Rigid Conduit:					
9.1.4.1.3.1	Enclosed in a recessed or surface conduiting:					
9.1.4.1.3.1.1	- PVC Ø 20 mm	ml	345	0.00 €	0.00 €	
9.1.4.1.4	Others:					
9.1.4.1.4.1	- Engineering, System Programming, including System Testing, Commissioning and Training.	Gv	1	0.00 €	0.00 €	
9.1.5	Complementary Work					
9.1.5.1	Construction work to support the implementation of water distribution networks for fire-fighting purposes, as well as all the works, materials and accessories necessary to the correct execution of the task.	Gv	1	0.00 €	0.00 €	
9.1.5.1.1	- Supply and installation of intumescent clamps and sleeves with characteristics EI60 and EI90 for fire protection at crossings of pipes in combustible material, as well as all the works, materials and accessories necessary to the correct execution of the task	Gv	1	0.00 €	0.00 €	
9.1.6	Final Work					
9.1.6.1	- Verification, cleaning and testing of all network.	Gv	1	0.00 €	0.00 €	
9.1.6.2	- Elaboration of the pieces drawn according to the work executed.	Gv	1	0.00 €	0.00 €	

CODE	DESCRIPTION	UNITS	QUANTITIES	PRICES (EURO)		
				Unitary	Partial	Totals
	BOQ - BILL OF QUANTITY - Water Supply					
4.	WATER SUPPLY SYSTEM					0.00 €
4.1	Package 1 (Block A, B, C, F)					0.00 €
4.1.1	Pipping					
4.1.1.1	Supply and installation of PP-R Pipes for the water supply network, with thermal insulation in hot water, including all the works, materials and accessories necessary to the correct execution of the task, with the following diameters:					
4.1.1.1.1	Cold Water:					
4.1.1.1.1.1	Ø 16 mm	m	55.00	0.00 €	0.00 €	
4.1.1.1.1.2	Ø 20 mm	m	119.00	0.00 €	0.00 €	
4.1.1.1.1.3	Ø 25 mm	m	51.00	0.00 €	0.00 €	
4.1.1.1.1.4	Ø 32 mm	m	42.00	0.00 €	0.00 €	
4.1.1.1.1.5	Ø 40 mm	m	28.00	0.00 €	0.00 €	
4.1.1.1.2	Hot Water:					
4.1.1.1.2.1	Ø 20 mm	m	n/a			
4.1.1.1.2.2	Ø 25 mm	m	n/a			
4.1.1.2	Supply and installation of HDPE pipeor the water supply network, buried, including earthworks and installation, as well as all the works, materials and accessories necessary to the correct execution of the task, with the following diameters:					
4.1.1.2.1	Cold Water:					
4.1.1.2.1.1	Ø 40 mm	m	45.00	0.00 €	0.00 €	
4.1.2	Equipment and Accessories					
4.1.2.1	Supply and installation of angles Valves, as well as all the works, materials and accessories necessary to the correct execution of the task, with the following equipments:					
	Wash Basin					
4.1.2.1.1	- In cold water:	un	5	0.00 €	0.00 €	
	WC Cistern					
4.1.2.1.2	- In cold water:	un	12	0.00 €	0.00 €	
4.1.2.2	Supply and installation of Valves, as well as all the works, materials and accessories necessary to the correct execution of the task, with the following diameters:					
4.1.2.2.1	Ø 20 mm	un	15	0.00 €	0.00 €	
4.1.2.2.2	Ø 25 mm	un	22	0.00 €	0.00 €	
4.1.2.2.2	Ø 32 mm	un	3	0.00 €	0.00 €	
4.1.2.3	Supply and installation of shut-off buried Valves, as well as all the works, materials and accessories necessary to the correct execution of the task, with the following diameters:					
4.1.2.3.1	Ø 25 mm	un	n.a			
4.1.2.3.2	Ø 40 mm	un	4	0.00 €	0.00 €	
4.1.2.4	Supply and installation of eletrical heaters with acumulation tank, includind shut-off valves, retention valves, electrical connection work, and all accessories, and all works and materials and accessories necessary to a correct execution of the task, with the following capacities:					
4.1.2.4.1	100L horizontal	un	n/a			
4.1.3	Complementary Work					
4.1.3.1	Construction work to support the implementation of water distribution networks for fire-fighting purposes, as well as all the works, materials and accessories necessary to the correct execution of the task.	gv	1	0.00 €	0.00 €	
4.1.3.2	Supply and installation of intumescent clamps and sleeves with characteristics EI60 and EI90 for fire protection at crossings of pipes in combustible material, as well as all the works, materials and accessories necessary to the correct execution of the task	gv	1	0.00 €	0.00 €	
4.1.4	Final Work					
4.1.4.1	Verification, cleaning and testing of all network.	gv	1	0.00 €	0.00 €	
4.1.4.2	Elaboration of the pieces drawn according to the work executed.	gv	1	0.00 €	0.00 €	

CODE	DESCRIPTION	UNITS	QUANTITIES	PRICES (EURO)		
				Unitary	Partial	Totals
	BOQ - BILL OF QUANTITY - Fire Water					
7.	FIRE WATER					0.00 €
7.1	Package 1 (Block A, B, C, F)					0.00 €
7.1.1	Pipping					
7.1.1.1	Supply and installation of HDPE pipe, for Firefighting network, buried, including earthworks and installation, as well as all the works, materials and accessories necessary to the correct execution of the task, with the following diameters:					
7.1.1.1.1	Ø 90 mm	m	8.60 €	0.00 €	0.00 €	
7.1.1.2	Supply and Installation of Galvanized steel pipe, for the Firefighting network, including bonding and branch accessories, supports and clamps with acoustic insulation, threaded or grooved, installed at sight, fixed by quick-mount clamps in galvanized iron attached to walls or ceilings, including opening and closure of notches, wall/floor/ceilings holes for pipe crossings, a first coat of painting anticorrosive, and two coats of colour finishing according legal standards, and remaining accessories necessary to the good functioning of the network, according the plans and construction supervision instruction, with the following diameters:					
7.1.1.2.1	Ø 50 mm	m	29.00 €	0.00 €	0.00 €	
7.1.1.2.2	Ø 65 mm	m	26.00 €	0.00 €	0.00 €	
7.1.1.2.3	Ø 80 mm	m	3.00 €	0.00 €	0.00 €	
7.1.2	Equipment and Accessories					
7.1.2.1	Supply and installation of Swing type fire hose reel, Model 99-N(19mm), to be installed in a closet with 180° opening door, predicted by the architecture, with reinforced PVC hose, with 30m length, 3 position nozzle: jet, fog and closure, including manual quick-release valve with manometer, axial bracket, tested and approved according EN 671-1:2012, remaining accessories and necessary works for a perfect execution of the task according construction supervision instructions.	un	3.00 €	0.00 €	0.00 €	
7.1.3	Complementary Work					
7.1.3.1	Construction work to support the implementation of water distribution networks for fire-fighting purposes, as well as all the works, materials and accessories necessary to the correct execution of the task.	gv	1.00 €	0.00 €	0.00 €	
7.1.3.2	Supply and installation of intumescent clamps and sleeves with characteristics EI60 and EI90 for fire protection at crossings of pipes in combustible material, as well as all the works, materials and accessories necessary to the correct execution of the task	gv	1.00 €	0.00 €	0.00 €	
7.1.4	Final Work					
7.1.4.1	Verification, cleaning and testing of all network.	gv	1.00 €	0.00 €	0.00 €	
7.1.4.2	Elaboration of the pieces drawn according to the work executed.	gv	1.00 €	0.00 €	0.00 €	

CODE	DESCRIPTION	UNITS	QUANTITIES	PRICES (EURO)		
				Unitary	Partial	Totals
	BOQ - BILL OF QUANTITY - Waste Water					
5.	WASTE WATER					0.00 €
5.1	Package 1 (Block A, B, C, F)					0.00 €
5.1.1	Pipping					
5.1.1.1	Supply and installation of PVC pipes for buried/embedded wastewater drainage network (inside building), installed in proper ditches, as well as all complementary works, materials and accessories necessary to the perfect execution of the task, according to the plans and construction supervision instructions, with the following diameters:					
5.1.1.1.1	Ø 40 mm	m	27.00	0.00 €	0.00 €	
5.1.1.1.2	Ø 75 mm	m	84.00	0.00 €	0.00 €	
5.1.1.1.3	Ø 90 mm	m	107.00	0.00 €	0.00 €	
5.1.1.2	Supply and installation of PVC pipes for buried/embedded wastewater drainage network (outside building), installed in proper ditches, including terrain movements, such as excavation, landfill and transportation of remaining terrain offsite (if necessary), as well as all complementary works, materials and accessories necessary to the perfect execution of the task, according to the plans and construction supervision instructions, with the following diameters:					
5.1.1.2.1	Ø 110 mm	m	64.00	0.00 €	0.00 €	
5.1.1.2.2	Ø 125 mm	m	23.00	0.00 €	0.00 €	
5.1.2	Equipment and Accessories					
5.1.2.1	Supply and installation of siphon, as well as all the works, materials and accessories necessary to the correct execution of the task, to install on the following equipments:					
5.1.2.1.1	Wash Basin	un	13	0.00 €	0.00 €	
5.1.2.1.2	Turkish Toilet	un	2	0.00 €	0.00 €	
5.1.2.1.3	Shower	un	n.a			
5.1.2.2	Supply and installation of traps in chrome plated brass, as well as all the works, materials and accessories necessary to the correct execution of the task.	un	8	0.00 €	0.00 €	
5.1.2.3	Supply and installation of ventilation hats, to be installed on the roof, as well as all the works, materials and accessories necessary to the correct execution of the task, with the following diameters:					
5.1.2.3.1	Ø 90 mm	un	4	0.00 €	0.00 €	
5.1.2.4	Supply and installation of PVC floor gully with stainless steel grill, as well as all the works, materials and accessories necessary to the correct execution of the task.	un	n.a			
5.1.2.5	Execution of a concrete manholes supported by a suitable recessed cast iron covers, load class B125 to receive the same finishing of the floor, including terrain movements, such as excavation, landfill and transportation of remaining terrain offsite (if necessary), as well as all complementary works, materials and accessories necessary to the perfect execution of the task, according to the plans, detail drawings and construction supervision instructions, with the following dimensions:					
5.1.2.5.1	0.60x0.60	un	8	0.00 €	0.00 €	
5.1.2.5.2	0.80x0.80	un	6	0.00 €	0.00 €	
5.1.3	Complementary Work					
5.1.3.1	Construction work to support the implementation of wastewater networks, as well as all the works, materials and accessories necessary to the correct execution of the task.	gv	1	0.00 €	0.00 €	
5.1.3.2	Supply and installation of intumescent clamps and sleeves with characteristics EI60 and EI90 for fire protection at crossings of pipes in combustible material, as well as all the works, materials and accessories necessary to the correct execution of the task	gv	1	0.00 €	0.00 €	
5.1.3.3	Evaluation, rehabilitation (if necessary), cleaning and maintenance works of existing networks to be maintained, including all materials and work necessary for their perfect execution.	gv	1	0.00 €	0.00 €	
5.1.4	Final Work					
5.1.4.1	Verification and testing of all network.	gv	1	0.00 €	0.00 €	
5.1.4.2	Elaboration of the pieces drawn according to the work executed.	gv	1	0.00 €	0.00 €	

CODE	DESCRIPTION	UNITS	QUANTITIES	PRICES (EURO)		
				Unitary	Partial	Totals
	BOQ - BILL OF QUANTITY - Storm Water					
6.	STORM WATER DRAINAGE					0.00 €
6.1	Package 1 (Block A, B, C, F)					0.00 €
6.1.1	Pipping					
6.1.1.1	Supply and installation of PVC pipes for vertical rainwater drainage network, embedded/at sight, as well as all complementary works, materials and accessories necessary to the perfect execution of the task, according to the plans and construction supervision instructions, with the following diameters:					
6.1.1.1.1	Ø 160 mm	m	40.00	0.00 €	0.00 €	
6.1.1.2	Supply and installation of PVC pipes for buried/embedded rainwater drainage network, installed in proper ditches, including terrain movements, such as excavation, landfill and transportation of remaining terrain offsite (if necessary), as well as all complementary works, materials and accessories necessary to the perfect execution of the task, according to the plans and construction supervision instructions, with the following diameters:					
6.1.1.2.1	Ø 160 mm	m	43.00	0.00 €	0.00 €	
6.1.2	Equipment and Accessories					
6.1.2.1	Execution of a concrete manholes supported by a suitable gully cast iron covers, load class B125 to receive the same finishing of the floor, including terrain movements, such as excavation, landfill and transportation of remaining terrain offsite (if necessary), as well as all complementary works, materials and accessories necessary to the perfect execution of the task, according to the plans, detail drawings and construction supervision instructions, with the following					
6.1.2.1.1	0.40x0.40	un	4.00	0.00 €	0.00 €	
6.1.2.2	Execution of a concrete manholes supported by a suitable recessed cast iron covers, load class B125 to receive the same finishing of the floor, including terrain movements, such as excavation, landfill and transportation of remaining terrain offsite (if necessary), as well as all complementary works, materials and accessories necessary to the perfect execution of the task, according to the plans, detail drawings and construction supervision instructions, with the following dimensions:					
6.1.2.2.1	0.60x0.60	un	1.00	0.00 €	0.00 €	
6.1.2.2.2	0.80x0.80	un	1.00	0.00 €	0.00 €	
6.1.2.2.3	1.00x1.00	un	1.00	0.00 €	0.00 €	
6.1.3	Complementary Work					
6.1.3.1	Construction work to support the implementation of wastewater networks, as well as all the works, materials and accessories necessary to the correct execution of the task.	gv	1.00	0.00 €	0.00 €	
6.1.3.2	Supply and installation of intumescent clamps and sleeves with characteristics EI60 and EI90 for fire protection at crossings of pipes in combustible material, as well as all the works, materials and accessories necessary to the correct execution of the task	gv	1.00	0.00 €	0.00 €	
6.1.3.3	Evaluation, rehabilitation (if necessary), cleaning and maintenance works of existing networks to be maintained, including all materials and work necessary for their perfect execution.	gv	1.00	0.00 €	0.00 €	
6.1.4	Final Work					
6.1.4.1	Verification and testing of all network.	gv	1.00	0.00 €	0.00 €	
6.1.4.2	Elaboration of the pieces drawn according to the work executed.	gv	1.00	0.00 €	0.00 €	

CODE	DESCRIPTION	UNITS	QUANTITIES	PRICES (EURO)		
				Unitary	Partial	Totals
	BOQ - BILL OF QUANTITY - Life and Fire Safety					
13	FIRE SAFETY					0.00 €
13.1	BLOCK A					0.00 €
13.1.1	EMERGENCY SIGNS					
13.1.1.1	Application of emergency signs, in accordance with the fire safety project, with the following dimensions:					
13.1.1.1.1	200 x 200 mm:					
13.1.1.1.1.1	S1 - Fire extinguisher	un	13.0	0.00 €	0.00 €	
13.1.1.1.2	150 x 200 mm:					
13.1.1.1.2.1	S2 - Fire Alarm	un	9.0	0.00 €	0.00 €	
13.1.1.1.2.2	S4 - Fire Hose	un	5.0	0.00 €	0.00 €	
13.1.1.1.2.3	S5 - Fire extinguisher Instructions for use, Carbon Dioxide	un	6.0	0.00 €	0.00 €	
13.1.1.1.2.4	S6 - Fire extinguisher Instructions for use, ABC Powder	un	7.0	0.00 €	0.00 €	
13.1.1.1.3	300 x 300 mm:					
13.1.1.1.3.1	P1 - Warning, Electric switch	un	5.0	0.00 €	0.00 €	
13.1.1.1.4	PE - Application of Escape Plan and simplified instructions, in accordance with the fire safety project.	un	6.0	0.00 €	0.00 €	
13.1.2	MEANS OF FIRST INTERVENTION					
13.1.2.1	EXTINGUISHERS					
13.1.2.1.1	Installation of portable fire extinguishers with the following characteristics:					
13.1.2.1.1.1	ABC Powder, 6kg	un	7.0	0.00 €	0.00 €	
13.1.2.1.1.2	Carbon Dioxide (CO ₂), 5kg	un	5.0	0.00 €	0.00 €	
13.1.2.1.1.3	Carbon Dioxide (CO ₂), 2kg	un	1.0	0.00 €	0.00 €	
13.2	BLOCK B					0.00 €
13.2.1	EMERGENCY SIGNS					
13.2.1.1	Application of emergency signs, in accordance with the fire safety project, with the following dimensions:					
13.2.1.1.1	200 x 200 mm:					
13.2.1.1.1.1	S1 - Fire extinguisher	un	n.a			
13.2.1.1.2	150 x 200 mm:					
13.2.1.1.2.1	S2 - Fire Alarm	un	1.0	0.00 €	0.00 €	
13.2.1.1.2.2	S4 - Fire Hose	un	1.0	0.00 €	0.00 €	
13.2.1.1.2.3	S6 - Fire extinguisher Instructions for use, ABC Powder	un	1.0	0.00 €	0.00 €	
13.2.1.1.3	300 x 300 mm:					
13.2.1.1.3.1	P1 - Warning, Electric switch	un	1.0	0.00 €	0.00 €	
13.2.1.1.4	Application of Escape Plan and simplified instructions, in accordance with the fire safety project.	un	1.0	0.00 €	0.00 €	
13.2.2	MEANS OF FIRST INTERVENTION					
13.2.2.1	EXTINGUISHERS					
13.2.2.1.1	Installation of portable fire extinguishers with the following characteristics:					
13.2.2.1.1.1	ABC Powder, 6kg	un	n.a			
13.3	BLOCK F					0.00 €
13.3.1	EMERGENCY SIGNS					
13.3.1.1	Application of emergency signs, in accordance with the fire safety project, with the following dimensions:					
13.3.1.1.1	200 x 200 mm:					
13.3.1.1.1.1	S1 - Fire extinguisher	un	2.0	0.00 €	0.00 €	
13.3.1.1.2	150 x 200 mm:					
13.3.1.1.2.1	S6 - Fire extinguisher Instructions for use, ABC Powder	un	2.0	0.00 €	0.00 €	
13.3.1.1.3	300 x 300 mm:					
13.3.1.1.3.1	P1 - Warning, Electric switch	un	1.0	0.00 €	0.00 €	
13.3.2	MEANS OF FIRST INTERVENTION					
13.3.2.1	EXTINGUISHERS					
13.3.2.1.1	Installation of portable fire extinguishers with the following characteristics:					
13.3.2.1.1.1	ABC Powder, 6kg	un	2.0	0.00 €	0.00 €	
13.4	BLOCK C					0.00 €
13.4.1	EMERGENCY SIGNS					
13.4.1.1	Application of emergency signs, in accordance with the fire safety project, with the following dimensions:					
13.4.1.1.1	200 x 200 mm:					
13.4.1.1.1.1	S1 - Fire extinguisher	un	1.0	0.00 €	0.00 €	
13.4.1.1.1.2	S8 - Emergency fuel shut off valve	un	1.0	0.00 €	0.00 €	
13.4.1.1.2	150 x 200 mm:					
13.4.1.1.2.1	S2 - Fire Alarm	un	1.0	0.00 €	0.00 €	
13.4.1.1.2.2	S5 - Fire extinguisher Instructions for use, Carbon Dioxide	un	1.0	0.00 €	0.00 €	
13.4.1.1.3	300 x 100 mm:					
13.4.1.1.3.1	S9 - Fire alarm control panel	un	1.0	0.00 €	0.00 €	
13.4.1.1.3.2	S10 - Mains Electricity cut off point	un	1.0	0.00 €	0.00 €	
13.4.1.1.4	300 x 300 mm:					
13.4.1.1.4.1	P1 - Warning, Electric switch	un	1.0	0.00 €	0.00 €	
13.4.2	MEANS OF FIRST INTERVENTION					
13.4.2.1	EXTINGUISHERS					
13.4.2.1.1	Installation of portable fire extinguishers with the following characteristics:					
13.4.2.1.1.1	Carbon Dioxide (CO ₂), 5kg	un	1.0	0.00 €	0.00 €	

CODE	DESCRIPTION	UNITS	QUANTITIES	PRICES (EURO)		
				Unitary	Partial	Totals
	BOQ - BILL OF QUANTITY - Ventilation and Air Conditioning					
10	Ventilation and Air Conditioning (VAC)					0.00 €
	BLOCK A+B+F+C					0.00 €
10.1	Ventilation and Air Conditioning (VAC)					
10.1.1	Ducts and Casings (Section 3/4/6)					
10.1.1.1	Supply and installation of spiral galvanized steel ductwork and fittings including hangers and washers covered in an approved vapour seal, complete with duct cladding, volume control dampers, fire dampers, supports and all required accessories as per technical specifications and drawings.					
10.1.1.1.1	- Spiral galvanized steel ductwork without insulation					
10.1.1.1.1.1	- DN 125	ml	0.30	0.00 €	0.00 €	
10.1.2	VAC Fans (Section 8)					
10.1.2.1	Supply and installation of exhaust and ceiling fans complete with fittings, flexible connectors, spring mount vibration isolators, frequency inverter, protection against corrosion and all required accessories as specified in schedules of equipment, detailed drawings and technical specifications.					
10.1.2.1.1	Exhaust wall mounted Fan					
10.1.2.1.1.1	- EF1 - S&P Silent 200	Un	2.00	0.00 €	0.00 €	
10.1.2.1.2	Ceiling fans					
10.1.2.1.2.1	- CF1 - Ceiling fan - S&P HTB 75 RC	Un	45.00	0.00 €	0.00 €	
10.1.2.1.2.2	- CF2 - Ceiling fan - S&P HTB 90 RC	Un	1.00	0.00 €	0.00 €	
10.1.2.1.2.3	- CF4 - Ceiling fan - S&P HTB IP55	Un	5.00	0.00 €	0.00 €	
10.1.3	Air Outlets And Inlets (Section 10)					
10.1.3.1	Supply and installation of exhaust air louvers complete with insect screen and gravity shutters including connections to ductwork and all required accessories as per technical specifications and drawings.					
10.1.3.1.1	- EL1 - 200x200	Un	n.a			
10.1.4	Split Air Conditioners (Section 11)					
10.1.4.1	Supply and installation of outdoor units, including integral controls, protection device, protection against corrosion, complete with condensate piping, as per technical specifications and drawings.					
10.1.4.1.1	CDU1 - LGS09EQ.UA3	Un	26.00	0.00 €	0.00 €	
10.1.4.1.2	CDU2 - LGS12EQ.UA3	Un	2.00	0.00 €	0.00 €	
10.1.4.2	Supply and installation of indoor units, including wired remote control, accessories, supports as per technical specifications and drawings.					
10.1.4.2.1	FCU1 - LGS09EQ.NSJ	Un	34.00	0.00 €	0.00 €	
10.1.4.2.2	FCU2 - LGS12EQ.NSJ	Un	2.00	0.00 €	0.00 €	
10.1.5	HVAC Testing, Adjusting and Balancing (Section 13)					
10.1.5.1	Final tests of the installation including balancing, adjusting, commissioning and handling to client complete operational systems and equipment as per technical specifications and drawings. installation according to drawings and specifications.	Gv	1.00	0.00 €	0.00 €	
10.2	Hydraulic Installations VAC					
10.2.1	Refrigerant Piping (Section 14)					
10.2.1.1	Supply and installation of refrigeration tube - EN 12735-1, copper tube designed specifically for refrigeration and air conditioning use and accordingly cleaned, nitrogen-purged and capped, complete with all necessary fittings, supports and all required accessories as technical specifications and drawings.					
10.2.1.1.1	Copper with thermal insulation and protection exposed pipe by aluminium cladding					
10.2.1.1.1.1	- Liq Ø6.4 mm / Gas Ø9.5 mm	ml	198.00	0.00 €	0.00 €	
10.2.1.1.2	Supply and installation of drainage pipe work complete with all necessary fittings, supports and accessories within building as per technical specifications and drawings.	Gv	1.00	0.00 €	0.00 €	
10.3	General					
10.3.1	Identification for VAC Ducting Piping and Equipment.	Gv	1.00	0.00 €	0.00 €	
10.3.2	Painting, Tagging and Labelling of entire mechanical system as specified.	Gv	1.00	0.00 €	0.00 €	
10.3.3	Maintenance for two years (guarantee period), including supply of all needed spare parts during the year.	Gv	1.00	0.00 €	0.00 €	
10.3.4	Transport of Equipment VAC	Gv	1.00	0.00 €	0.00 €	

CODE	DESCRIPTION	UNITS	QUANTITIES	PRICES (EURO)		
				Unitary	Partial	Totals
	BOQ - BILL OF QUANTITY - Medical Gases					
3	NOT APPLICABLE FOR THIS PACKAGE					0.00 €