C.2 PRICED BILL OF QUANTITIES OF WORKS AND EQUIPMENT

GENERAL REMARKS

a. The offered prices shall include: transport, delivery, assembly and wiring of all equipment and electrical materials, as well as all miscellaneous installation material, such as: screws, anchors, plaster, screw terminals, cable inlets and similar.

b. The offered prices shall include all taxes and contributions for the installed material and works performed.

c. The offered prices shall include the development of workshop documents, if necessary.

d. All works on the building must be performed using skilled workforce of suitable qualification structure.

e. The given technical description, technical conditions and graphic documents shall form an integral part of the BoQ.

f. All installed material must be compliant with SRPS standards, i.e. SRP IEC or IEC standards.

g. The Contractor shall provide appropriate certificates for all built-in equipment and submit them to the Investor.

h. The Contractor shall implement all the workplace safety measures in accordance with the law.

i. The Contractor shall, at their own expense, repair any damages to the building as result of the works performed by them.

j. The Offeror shall, before submitting the offer, get familiar with the structure status and project documents before submitting the offer. Any misunderstandings as a result of a lack of knowledge about these elements shall be at the burden of the Contractor.

NOTE: All cables and corresponding electrical material that have not been installed under mortar /in the wall/ must be of the halogen free category.

A FIRE ALARM SYSTEM

A.1 Equipment specification

No.	DESCRIPTION	UoM / 1 /	NoU / 1 /	PRICE / UoM /	TOTAL / RSD /
1.	Conventional fire protection control system type DET-CCD-104 Detnov, for 4 zones, option to connect 32 detectors per zone, with alarm and fault relay output, two supervised siren outputs with adjustable delay (0-10 minutes), day-night operation regime, 24VDC output on the control panel, test mode with auto-reset function, EN 54-2, 4 standard. There shall be room in the control panel casing for two batteries 12V, 7Ah. Delivered by Almaks, Belgrade.	pcs	1		
2.	Battery 12V/7Ah for backup power supply of the control panel in case of power outage. Type AMD-AKB-7.	pcs	2		
3.	Conventional optic fire detector, type DET-DOD-220A, operational voltage 22-38V DC, current in alarm mode 11mA, in rest mode 300µA. Covers the space of 60m², in accordance with EN54-7. Type DET-DOD-220A Detnov, Spain.	pcs	8		
4.	Conventional heat differential / maximum heat (58oC) fire detector, type Detnov DET-DTD-210, with port for parallel indicator, compatible with any conventional control panel, with EN 54-5 standard.	pcs	1		
5.	Standard conventional detector mount. Type DET-Z-200 Detnov, Spain.	pcs	9		
6.	Conventional manual fire alarm for indoor mounting, type DET-PCD-100, resettable, with EN 54-11 standard.	pcs	2		
7.	Conventional fire siren for indoor mounting, 3-tone selection, low consumption (7mA), 87.5dB/1m, power supply 20Vdc-28Vdc, in accordance with EN 54-3 standard. Type Detnov DET-SCD100, Spain.	pcs	2		
8.	Deliver and install telephone automatic dialler, 2 voice messages, 6 phone numbers. Type Satel SAT-DT-1, Poland.	pcs	1		
	TOTAL FIRE ALARM EQUIPMENT:				

A.2 Specification of installation material

1.	Deliver and install installation cable type JY(St)Y 2x2x0.8mm	m	73	
2.	Deliver and install fire resistant installation cable type NHXHX Fe180 E60 2x1.5mm2 to connect executive functions	m	16	
3.	Deliver and install under mortar tubes of 13.5 mm in diameter	m	65	
4.	Deliver and install cable PP-Y 3x1.5 mm2 to supply power to the control panel from RO	m	3	
5.	Miscellaneous and non-standard installation material - lumpsum	lumps.	1	
	TOTAL INSTALLATION MATERIAL:			

A.3 Specification of works and other costs

1.	Mount equipment on set and marked installation	compl.	1	
2.	Adjust the settings on the devices and equipment, wire control devices, test and programme, put in operation, verify functionality of the system and train users, develop operation manual	compl.	1	
3.	Develop as-built design	m	1	
4.	Final electrical measurements on cables (insulation resistance, listening and testing pairs of wires for breaks and short circuits)	compl.	1	
	TOTAL SPECIFICATION OF WORKS AND OTHER COSTS:			

A.4 SUMMARY OF FIRE DETECTION SYSTEM

A.1 Equipment Specification	
A.2 Specification of installation material	
A.3 Specification of works and other costs	
TOTAL FIRE DETECTION SYSTEM:	