



**Volume C Works Requirements
Inver College
Carrickmacross
Co. Monaghan
A81V342
RN: 72180K
Proposed Science Room Refurbishment**



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Electrical Services
Pricing Document

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SECTION A - SCHEDULE OF MANUFACTURERS AND DELIVERIES

This schedule must be completed. Equipment and materials listed here shall be as specified.

Item	Manufacturer	Model	Delivery in Weeks

SECTION B - SCHEDULE OF SUB CONTRACTORS

This schedule must be completed.

Sub-Contract Works	Proposed Sub-Contractor's Name

SECTION C - SCHEDULE OF ALTERNATIVE MATERIALS AND/OR METHODS

This schedule should indicate any alternative materials and/or methods of installation that could produce cost savings and/or reduction in the period required for execution of all or part of the works. Any such proposed savings, **must not be** included in the tender sum. The tendered sum **must include** all works exactly as specified. Following tender award, the Engineers may consider the proposed alternatives.

Ref.	Item	Cost Saving or Other Advantage

APPENDIX D - TENDER BREAKDOWN

Part 1 SCIENCE ROOM 1 – GROUND FLOOR

	Item	Description	Unit	Quantity	Rate	€	c
		<u>Electrical</u>					
		<u>Electrical Supply & Distribution</u>					
	A	Removal of existing science room distribution board & 1 to 1 transformer			Item		
	B	Retention and maintaining existing services			Item		
	C	Provision of new distribution board to science room area			Item		
	D	Supply & Installation of all Galvanised Steel Trunking			Item		
	E	Supply & Installation of 3 Compartment containment			Item		
	F	Testing and Commissioning			Item		
	G	Earthing			Item		
	H	Miscellaneous			Item		
		TOTAL FOR ELECTRICAL SUPPLY & DISTRIBUTION TAKEN TO SUMMARY					
					€		

	Item	Description	Unit	Quantity	Rate	€	c
		<u>Power Installation</u>					
	A	Conduit, Wiring & Accessories Associated with General Purpose Sockets			Item		
	B	Conduit, Wiring & Accessories Associated with all Computer Sockets			Item		
	C	Conduit, Wiring & Accessories Associated with all Other Power Outlets - AV, TV aerial, misc power supplies etc			Item		
	D	Conduit, Wiring & Accessories Associated with science room services including emergency knock off & associated services					
	E	Electrical services to replace gas proving systems in science room & HE room					
	F	Earthing			Item		
	G	Testing and Commissioning			Item		
	H	Removals & adaptations of redundant services to facilitate extension			Item		
		TOTAL POWER INSTALLATION TAKEN TO SUMMARY			€		

		<u>Lighting & Emergency Lighting Installation</u>					
	A.	Cost associated with conduit, Accessories and installing all Luminaires -			Item		
	B	Wiring to all Luminaires including wiring to the digital dimming luminaires, c/w switching					
	C	Testing & Commissioning			Item		
	D	Miscellaneous.			Item		
	E	Removals & adaptations of redundant services to facilitate extension			Item		
		TOTAL FOR LIGHTING & EMERGENCY LIGHTING INSTALLATION TAKEN TO SUMMARY			€		

	Item	Description	Unit	Quantity	Rate	€	c
		<u>Piped Services</u>					
	A	Conduit, Wiring & Accessories Associated with wiring all existing mechanical fans, pumps, room stats,			Item		
	B	Conduit wiring and accessories associated with wiring all new mechanical fans etc.			Item		
	C	Earthing and bonding.			Item		
	D	Testing					
	E	Miscellaneous.			Item		
		TOTAL FOR PIPED SERVICES INSTALLATION TAKEN TO SUMMARY					
					€		

	Item	Description	Unit	Quantity	Rate	€	c
		<u>Cat 6e Installation – Element 64.1</u>					
	A	Conduit & Accessories Associated with Wiring to All Cat 6E Telephone and Data Outlets to connect to existing infrastructure/ Allow for additional points in existing comms cabinet			Item		
	B	Relocate existing comms cabinet			Item		
	D	Wiring & Termination of All Cat 6E cabling as specified, including supply of all telephone & data patch leads.			Item		
	E	Supply & Installation of all Communication Cabinets, Patch Panels etc			Item		
	F	Testing & Commissioning			Item		
	G	Provision of Warranty					
	H	Miscellaneous.			Item		
		TOTAL FOR DATA INSTALLATION TAKEN TO SUMMARY			€		

	Item	Description	Unit	Quantity	Rate	€	c
		<u>Classroom PA system Installation – Element 64.3</u>					
	A	Conduit & Accessories Associated with Wiring to pa system			Item		
	B	Active equipment			Item		
	C	Testing & Commissioning			Item		
	D	Provision of Warranty					
	E	Miscellaneous.			Item		
		TOTAL FOR CLASSROOM PA INSTALLATION TAKEN TO SUMMARY			€		

	Item	Description	Unit	Quantity	Rate	€	c
		<u>Fire Alarm Installation</u>					
	A	Supply, Installation and Commission of all Fire Alarm devices,			Item		
	C	Conduit & Accessories Associated with the Fire Alarm Installation			Item		
	D	Wiring of All Fire Alarm devices in FP200 Gold cabling In galvanised Steel Conduit			Item		
	E	Testing & commissioning of existing school fire alarm system			Item		
	F	1 year maintenance contract for both new extension & main school fire alarm system			Item		
	G	Costs associated for fire alarm specialist to visit site for 1 day after commissioning for miscellaneous items			Item		
		TOTAL FOR FIRE ALARM INSTALLATION TAKEN TO SUMMARY					
					€		

	Item	Description	Unit	Quantity	Rate	€	P
		<u>Intruder Alarm Installation –</u>					
	A.	Adaptations & diversions of existing intruder alarm system			Item		
	B.	Conduit & Accessories Associated with the Intruder Alarm Installation			Item		
	C.	Wiring of All Intruder Alarm devices as Per Manufacturers Recommendations.			Item		
	D	Test and commissioning of entire school system after completion of Extension			Item		
	E	1 year school wide maintenance contract			Item		
	F	Miscellaneous.			Item		
	G	Adaptations to existing to allow construction works			Item		
		TOTAL FOR INTRUDER ALARM INSTALLATION TAKEN TO SUMMARY			€		

SCIENCE ROOM 1 GROUND FLOOR – TENDER SUMMARY

	Item	Description	Unit	Quantity	Rate	€	c
		<u>Electrical Tender Summary</u>					
		<u>Element 61- Electrical Supply & Distribution</u> Electrical Supply & Distribution			Item		
		<u>Power Installation</u> Power Installation/ mechanical Services Wiring			Item		
		<u>Lighting</u> Lighting & Emergency Lighting Installation.			Item		
		<u>Piped Services</u> Piped Services			Item		
		<u>Communication Services</u> Cat 6E Installation PA/Class change SYSTEM			Item Item		
		<u>Protective Services</u> Fire Alarm Installation Intruder Alarm Installation			Item Item		
		TOTAL SCIENCE ROOM 1 GROUND FLOOR PRICE C/F TO MAIN TENDER SUMMARY			€		

	Item	Description	Unit	Quantity	Rate	€	P
		<u>General Items</u>					
	A	Allow for removal and disposal of existing electrical services			Item		
	B	Allow for providing the operation and maintenance instruction manuals & record drawings for the installations.			Item		
	C	Allow for instructing the employer's representative in the operation of the plant equipment and systems.			Item		
	D	Allow for providing the spare parts for the installations, suitably identified and prepared for storage.			Item		
	E	Allow for providing one complete set of special spanners and tools, together with one suitable container for the employer's staff.			Item		
	F	Allow for providing the working drawings for the installations.			Item		
	G	Allow for providing the manufacturer's drawings for the installations.			Item		
	H	Allow for providing the builders work drawings for the installations.			Item		
	I	Allow for providing and maintaining on site the progress drawings for the installations.			Item		
	J	Allow for carrying out tests on completion of the work in accordance with the specification and conditions of contract for engineering works including the provision of all test equipment.			Item		
		Carried Forward			€		

	Item	Description	Unit	Quantity	Rate	€	P
		Brought Forward			€		
	A	Allow for assisting in the commissioning of the works in accordance with the specification and conditions of contract for engineering works.			Item		
	B	Allow for insurance of plant and materials on site against fire, storm, frost and theft.			Item		
	C	Allow for clearing away own rubbish and surplus material.			Item		
	D	Allow for providing permanent notices regarding treatment of cases of "electric shock" adjacent to main switchboard and all sub-boards in accordance with the Factories Act.			Item		
	E	Allow for attendance on engineers, architects, surveyors, clerk of works and arranging with other trades.			Item		
	F	Allow for providing samples as may be called for by the architect/engineer.			Item		
	G	Allow for marking the position of all holes, mortices, chases and the like for the main contractor for the passage of pipes, ducts, etc.			Item		
	H	Allow for complying with all requirements of the specification, Statutory Regulations and Local Authority.			Item		
	I	Allow for bringing to and removing from site plant for all installations in this section of the works.			Item		
	J	Allow for maintaining on site plant for all installations in this section of the works.			Item		
		Carried Forward			€		

	Item	Description	Unit	Quantity	Rate	€	P
		Brought Forward			€		
	A	Allow for protection of all installations in this section of the works.			Item		
		TOTAL FOR GENERAL ITEMS TAKEN TO SUMMARY			€		

	Item	Description	Unit	Quantity	Rate	€	c
		<u>Electrical Tender Summary</u>					
		SCIENCE ROOM 1 GROUND FLOOR SUB TOTAL C/F			Item		
		GENERAL ITEMS			Item		
		TOTAL SCIENCE ROOM REFURBISHMENT TENDER SUM C/F TO MAIN TENDER SUMMARY			€		

MAIN ELECTRICAL TENDER SUMMARY

Total Tender Price (Fixed Price):
(Ex VAT c/f to Main Contractors
Tender Submission)

€

Amount in words:

Company Name:

Signature:

Date:

VAT Analysis (for
information purposes only)

Value Added Tax at ____% on

€
