

**Construction Studies and Engineering Room Refurbishment
CASWS26 at Rath Dara Community College, Blanchardstown Co.
Dublin**

SCHEDULE OF PRICES – ELECTRICAL

Item	Description	€
<u>General Items</u>		
1.	Provide for Shop Drawings and Builder's Work Drawings, which are to be co-ordinated with Main Contractors and Mechanical Contractor.	€
2.	Provide for Record Drawings and Instruction Manuals.	€
3.	Provide for maintaining a competent Site Agent on site at all times.	€
4.	Provide for marking out and supervision of Builder's Work.	€
5.	Provide for instruction of staff in use of apparatus.	€
6.	Provide for assistance to Mechanical Contractor, for diagrams etc., of equipment supplied under this contract.	€
7.	Provide for testing.	€
8.	Provide for commissioning.	€
9.	Provide for earthing in accordance with ETCI and IEE Wiring Regulations, and Element (69) of this Specification.	€
10.	Provide for completion certificate.	€
11.	Provide for painting and labelling.	€
12.	Provide for maintaining portable type fire extinguishers on site during the course of the works and complying with Clause on "Hot Work".	€
13.	Provide for maintaining supplies to school at all normal operating times and complying with Clause on "Interruption of Supplies".	€
14.	Amount for complying fully with Clause 43 'Safety, Health, Welfare & Environmental Issues'.	€
15.	Amount for any other item not included in the above, but which in the opinion of the Contractor tendering is necessary for the satisfactory completion of the Contract. (Give Details)	€
		
TOTAL FOR GENERAL ITEMS		€
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Item	Description	€
Element (61): Electricity Centre, Main Distribution Works		
1.	Amount for all low voltage cable distribution trunking as specified and as indicated on the drawings, including bends, tees, elbows and stop ends, supplied and installed including supports as required.	€
2.	Amount for the supply and installation, including connection of the distribution cables as specified and as indicated on the Schematic of the Electrical Distribution System on the drawings.	€
3.	Amount for works to existing main distribution switchgear as shown and as detailed	€
4.	Amount for supply and installation of all cable trays for distribution cables, etc., as shown on the drawings.	€
5.	Amount for fire stopping of cable trunking through compartment walls and floors using intumescent fire blocks in and around trunking.	€
6.	Amount for disconnection/removal of obsolete materials	€
7.	Amount for new switchgear as shown	€
8.	Amount for any other item not included in the above, but which in the opinion of the contractor tendering is necessary for the satisfactory completion of the contract. (Give Details)	€
		
		
Total For Element (61): Electricity Centre & Main Distribution		€ =====

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Item	Description	€
Element (62): Power Distribution Services		
1.	Amount for wiring in PVC/LSF/Cu singles in galvanised steel trunking and conduit to all socket outlets.	€
2.	Amount for socket/power outlets supplied and fitted. Twin Sockets Outlets Single Sockets Outlets. Fused spur outlets. Mechanical Equipment	€
3.	Amount for wiring to unearthed socket outlets in practical subject rooms on the ring main system as specified.	€
4.	Amount for the unearthed socket outlets, supplied and fitted. twin socket outlets.	€
5.	Amount for wiring to extract fan	€
6.	Amount for supply and installation of lockable emergency knock-outs	€
7.	Amount for disconnection/removal of obsolete materials, small power	€
8.	Amount for any other item not included in the above, but which in the opinion of the contractor tendering is necessary for the satisfactory completion of the contract. (Give Details)	€
		
		
		
	TOTAL FOR ELEMENT (62): Power Distribution Services	€
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Item	Description	€
Element (63): Lighting Services		
1.	Amount for wiring to all lighting points in 2.5 mm ² PVC/LSF/Cu singles cable galvanised steel trunking and in steel conduit including switches as follows:	
	❖ LED general lighting	
	❖ Exit signs - LED	
	❖ Emergency Lights – LED	
	❖ LED Fittings	€
2.	Amount for all light fittings as specified, delivered to site, including lamps.	€
3.	Amount for control circuits to light fittings as indicated	€
4.	Amount for erection and connection of light fittings and lamps.	€
5.	Amount for supply, installation, including wiring to emergency lighting test unit and interface units at distribution centres, as specified.	€
6.	Amount for testing and commissioning of complete emergency lighting system and provision of inspection and test certificate.	€
7.	Amount for disconnection/removal of obsolete materials general and emergency lighting	€
8.	Amount for any other item not included in the above, but which in the opinion of the contractor tendering is necessary for the satisfactory completion of the contract. (Give Details)	€
		
		
		
	Total For Element (63): Lighting Services	€
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<u>Item</u>	<u>Description</u>	<u>€</u>
Element (64): Communications Services		
1.	Amount for cable tray and conduit installation for ICT infrastructure. from the new I.D.F to the receptive data outlets.	€
2.	Amount for structured cabling systems – Cat 6E	€
3.	Amount for outlet terminations.	€
4.	Amount for testing and re-commissioning.	€
5.	Amount for record drawings, number and labelling.	€
6.	Amount for new fibre link back to existing main distribution board in the school	€
7.	Amount for disconnection/removal of obsolete materials, communication services	€
8.	Amount for any other item not included in the above, but which in the opinion of the contractor tendering is necessary for the satisfactory completion of the contract. (Give Details)	€
		
		
		
TOTAL FOR ELEMENT (64): Communications Services		€ =====

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Item	Description	€
Element (65): Protective Services		
1.	Amount for works to the existing fire alarm system, disconnecting and making safe during the course of the works.	€
2.	Amount for fire alarm equipment as follows delivered to site, as specified:	
	❖ Smoke Detectors.	
	❖ Breakglass Units.	
	❖ Fire Alarm Sounders	€
3.	Amount for erection and connection of the above equipment.	€
4.	Amount for low voltage wiring from the indicator panel to the detectors, breakglass units and sounders in a completely separate and independent wiring system, as specified.	€
5.	Amount for fire alarm zone chart supplied and fitted.	€
6.	Amount for specialist testing and recommissioning of the fire alarm system, including the provision of a commissioning certificate as specified.	€
7.	Amount for providing attendances on specialist during commissioning of fire alarm equipment.	€
8.	Amount for disconnection/removal of obsolete materials	€
9.	Amount for maintaining all protection services during the work	€
10.	Amount for wiring to gas isolating system as follows:	€
	(a) 220 volt supply to gas isolating control panels.	
	(b) Wiring from control panels to gas solenoid valves and detectors in 1 x 1.5 mm ² PVC cable in steel conduit.	€
11.	Amount for wiring in 1 x 1.5 mm ² PVC/Cu cable in steel conduit from main overall gas control panels to the main gas isolation valves.	€
12.	Amount for any other item not included in the above, but which in the opinion of the contractor tendering is necessary for the satisfactory completion of the contract. (Give Details)	€
		
		
Total For Element (65): Protective Services		€
<i>Carried forward to summary</i>		

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Item	Description	€
Element (69): Earthing		
1.	Amount for earth electrode and connection of earth electrode to ESB neutral and to main earthing terminal at main switchboard.	€
2.	Amount for protective earth conductors from main earthing terminal at main switchboard to sub-distribution boards.	€
3.	Amount for equipotential bonding.	€
4.	Amount for general earthing of all sockets, metallic enclosures and appliances (unless already included under the various elements.	€
5.	Amount for disconnection/removal of obsolete materials	€
6.	Amount for any other item not included in the above, but which in the opinion of the contractor tendering is necessary for the satisfactory completion of the contract. (Give Details)	€
		
		
Total For Element (69): Earthing		€
<i>Carried forward to summary</i>		

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SUMMARY OF TENDER

- Electrical Services Installation -

.....	AMOUNT
.....	CONTRACTOR
1. Preliminaries, Insurances, etc.	€
2. Element 61 – Distribution Services	€
3. Element 62 – Power Distribution Services	€
4. Element 63 – Lighting Services	€
5. Element 64 – Communication Services	€
6. Element 65 – Protection Services	€
7. Element 69 – Bonding and Earthing	€
NET TOTAL:	
Forward to Pricing Document ‘Volume C’	€ =====

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SCHEDULE OF DAYWORK RATES:

Item:	Rate Per Hour:
1. Labour: Normal working hours. Production Time. Wages for workmen(current at date of tender) shall include for wages, bonus, travelling allowance, tool allowance and all prescribed payments. Foreman _____ Chargehand _____ Electrician _____ 2nd Yr Apprentice _____ 3rd Yr Apprentice _____ 4th Yr Apprentice _____ Labourer _____	
2. Percentage additional on labour to cover the profit, all insurances holiday pay subsistence, transport and all other overheads including site supervision, but the time of the foreman or chargehands working with their gangs will be paid for as workmen.	% addition
3. Labour: Non-Productive Time: Percentage required for overheads, etc., on non- productive time if overtime is sanctioned for the completion of dayworks (% added to No. 1 above).	% addition
4. Materials: Percentage addition to the cost of the materials delivered to the site to cover head office charges profit delivery to site and all other overheads.	

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NOTE:

The cost of material means the invoiced price of
materials, including delivery to site.

% addition

Material: Nett Cost Plus _____

Carriage: Nett Cost Plus _____

Name Of Contractor: _____

Address: _____

Date: _____