

Volume C Documents

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1. Electrical Summary of Tender incl builder's works

Description	Qty	Unit	Rate	€	c
<u>(60) ELECTRICAL INSTALLATION</u>					
A The Contractor, before submitting his tender, is deemed to have visited the site and ascertained the nature and extent of the works and the conditions under which the work will have to be executed	1	Item			
B The Contractor is to allow in his / her rates for all associated costs as per the tender documentation that accompany this Pricing Document	1	Item			
C The Contractor is fully responsible for complete survey of existing electrical services prior to any proposed scheduled works They should be advised to visit site during the tender return period so that they are aware of all site conditions, with full intrusive survey to happen after appointment	1	Item			
D For detailed description of material and workmanship refer to the Engineers drawings, details, specification and the tender documents that accompany this Pricing Document	1	Item			
E The Contractor is advised that the measurements and descriptions are to be read in conjunction with the Engineer's drawings, details, specifications and tender documents that accompany this Pricing Document	1	Item			
F The Contractor shall allow for all labours, fixing, adjustments, temporary works and the like required to be made on site.	1	Item			
G Preliminaires (must be priced here):	1	Item			
As per the Short Public Works Contract, included with this tender - Amounts must be included for all items in this pricing document. Blank spaces, the terms 'nil', 'included', dashes or the like must not be used. Where zero is a permitted entry, it must be stated as '0.00'. Each amount must properly cover the full inclusive value of the work to which the amount relates					
Items not priced will invalidate your tender					
<i>To Collection</i>				€	

Description	Qty	Unit	Rate	€	c
<u>(60) ELECTRICAL INSTALLATION (Cont.)</u>					
A The Contractor shall allow for any design requirements necessary for the proper execution of each item of work in the tender documents	1	Item			
B The Contractor's rates shall be the full inclusive cost of completing the works in accordance with the drawings and specification. The tenderer shall state within his tender any additional items for which he requires payment as no claim on the grounds of inadequacy of description will be entertained.	1	Item			
C The Contractor's rates shall be fully inclusive of all phasing and out of hours working until 28th Aug 2026	1	Item			
D Any additional costs arising from the above shall be deemed to be included in the rates	1	Item			
E Electrical services to be priced in strict accordance with T5 Partnership drawings and specifications.	1	Item			
F Electrical services totals to be broken into the relevant headings when returning the pricing document	1	Item			
<u>MISCELLANEOUS ITEMS</u>					
G Health & Safety at Work Regulations 2012	1	Item			
H Provision of supervision of builder's work requirements	1	Item			
J Provide Letter of Compliance of CWSP membership <i>Construction Workers Pension Scheme (CWSP)</i> for Republic of Ireland jurisdiction	1	Item			
<i>To Collection</i>				€	

Description		Qty	Unit	Rate	€	c
(60) ELECTRICAL INSTALLATION (Cont.)						
A	Provision of Builder's Work drawings (in AutoCAD format)	1	Item			
B	Provision of Co-ordination drawings (in AutoCAD format)	1	Item			
C	Provision of Working drawings (in AutoCAD format)	1	Item			
D	Testing, Commissioning, Validation & Certification of complete installations	1	Item			
E	Preparation & provision of 3Nr. Full sets of As-Built Record Drawings and O&M manuals (both Paper & USB Pen Drive)	1	Item			
F	Provision of Method Statements for all aspects of proposed works	1	Item			
G	Provision for management & supervision	1	Item			
H	Provision for Schedule of Rates and Bill of Quantities	1	Item			
J	Provision of a 12 month maintenance period during the 12 month DLP for Emergency Lighting + FDAS	1	Item			
K	System validation by 3rd party and associated documentation	1	Item			
L	Testing and Commissioning of all the systems by 3rd party	1	Item			
M	Provision for Building Control Regulations 2014	1	Item			
N	Supply & install WIRE CAGES to Em Light equipment GP Hall & Ground Floor external bulkheads	14	Item			
O	Completion of Appendix A - Handover Certificate <i>upon Practical Completion (PC)</i>	1	Item			
P	Issuing of programme upon appointment in MS project format for works to be completed	1	Item			
Q	Provision of Safety Statements	1	Item			
<i>To Collection</i>					€	

Description	Qty	Unit	Rate	€	c
<u>(62) GENERAL ELECTRICAL SERVICES</u>					
A Survey of existing general electrical services system	1	Item			
B Alterations & Circuit Alignment Main Dist. Board	1	Item			
Alterations & Circuit Alignment Sub Dist. Boards	2	Item			
C Earthing & Cross bonding of ALL metal works	1	Item			
D Provide RECI / SAFE ELECTRIC certificate	1	Item			
E Make safe, isolate, disconnect existing electrical general services & strip-out	1	Item			
F Testing & commissioning of complete general electrical services system	1	Item			
G General Electrical Accessories	1	Item			
H New double switched isolators	1	Item			
J Provide certificate of phase failure monitoring <i>i.e. 'Sub-Circuit Monitoring' as per Section 7.2 (page 35) of I.S. 3217:2023</i>	1	Item			
K New GS containment, cable tray, steel conduits bracketry & fixings	1	Item			
L Certificate of Design for containment hanging systems brackets, drop rods etc. for GS <i>as per BcARs 2014 i.e. Css Certificate</i>	1	Item			
M New switch live & permanent live circuits for the new emergency light fittings	1	Item			
N Contractor is responsible for ALIGNMENT of existing lighting circuits with new emergency lighting circuits	1	Item			
O Contractor is responsible for all REMEDIAL works to correct any alignment works above in <u>Item N</u> above	1	Item			
<i>To Collection</i>				€	

Description	Qty	Unit	Rate	€	c
<u>(63-EL) EMERGENCY LIGHTING SERVICES</u>					
<u>Emergency light fittings - supply</u>					
A EX1 _IP40 Self-Contained Maintained Em Exit c/w 6 year warranty, tridonic LED & LifePO4 battery	47	Item			
B EX2 _IP20 Picture Emergency Exit Signs c/w 6 year warranty, tridonic LED & LifePO4 battery	0	Item			
C EX4 _IP65 Self-Contained Surface Mounted Em Box Exit c/w 6 year warranty, tridonic LED & LifePO4 battery	5	Item			
D E1 _IP20 Emergency Recess Mounted Downlighter c/w 6 year warranty, tridonic LED & LifePO4 battery	9	Item			
E E2 _IP20 Emergency Surface Mounted Downlighter c/w 6 year warranty, tridonic LED & LifePO4 battery	95	Item			
F E3 _IP65 Emergency Surface Mounted Bulkhead (SMB) c/w 6 year warranty, tridonic LED & LifePO4 battery	5	Item			
G E4 _IP20 Emergency Recess Mounted Downlighter c/w 6 year warranty, tridonic LED & LifePO4battery	1	Item			
H E6 _IP65 Surface Mounted Circular Bulkhead c/w 6 year warranty, tridonic LED & LifePO4 battery	6	Item			
J E8 _IP65 Surface Mounted Circular Die-Cast Bulkhead c/w 6 year warranty, tridonic LED & LifePO4 battery	7	Item			
K IS 3217:2023 Commissioning	1	Item			
L WEEE EMC - LED Lamp.	175	Item			
M New dedicated containment system for Emergency Lighting system made up of: 150 x 100mm LV Cable Trunking system incl Bracketry & Fixings, Unitstrut, misc hanging systems	1	Item			
N 25mm Steel conduits c/w accessories	1	Item			
O Certificate of Design for containment hanging systems brackets, drop rods etc. for Emergency Lighting system <i>as per BcARs 2014 i.e. Css Certificate</i>	1	Item			
<i>To Collection</i>				€	

Description	Qty	Unit	Rate	€	c
(63-EL) EMERGENCY LIGHTING SERVICES (Cont.)					
A Survey of existing emergency lighting services system, incl SDBs & MDB	5	Item			
B Internal emergency light fittings - supply	1	Item			
C Internal emergency light fittings - erection	1	Item			
D Internal emergency light fittings - wiring LSF cable	1	Item			
E External emergency light fittings - supply	1	Item			
F External emergency light fittings - erection on building	1	Item			
G External emergency light fittings - wiring LSF cable	1	Item			
H Emergency exit signage / blades incl stanchions	1	Item			
J Wiring of emergency directional escape signage	1	Item			
K Testing & Commissioning of complete emergency lighting sytem to I.S. 3217:2023	1	Item			
L System validation by 3rd party and associated documentation	1	Item			
M Labelling of emergency light fittings	1	Item			
N Removal of Existing Emergency lighting & signage	1	Item			
O Removal of existing emergency lighting wiring & redundant conduits/containment	1	Item			
P Certification in accordance with I.S. 3217:2023 Install	1	Item			
Q Certificate for I.S. 3217: 2023 Commissioning	1	Item			
R Certificate for I.S. 3217: 2023 Handover	1	Item			
S Make safe, isolate, disconnect exist. Em Light services	1	Item			
T As installed Drawings with recorded Lux levels during the hours of darkness (ALL AREAS)	1	Item			
U 4 PIN Kliks	1	Item			
<i>To Collection</i>				€	

Description	Qty	Unit	Rate	€	c
<u>(68-FA) PROTECTIVE SERVICES FIRE ALARM</u>					
A Survey of existing fire alarm services system	1	Item			
B Fire Alarm Panels - fully addressable/open protocol	2	Item			
C Fire Alarm Cabling (<i>Enhanced cabling PH 120</i>)	1	Item			
D Fire Alarm cabling proprietry clips - Single	1	Item			
E Fire Alarm cabling proprietry clips - Double	1	Item			
F Fire Alarm cabling - Glands	1	Item			
G Manual call points (BGU's)	1	Item			
H I/O Modules	1	Item			
J Combined detector/sounders <i>Smoke / Heat Detectors c/w base sounders</i>	1	Item			
K External Strobes	1	Item			
L Internal Strobes	1	Item			
M Short circuit devices	1	Item			
N Removal of existing fire alarm system components	1	Item			
O Removal of existing fire alarm cabling & redundant conduits/containment	1	Item			
P Fire alarm links to emergency services / diggi dialler	1	Item			
Q Testing & Commissioning of complete Fire Detection & Alarm system to IS 3218:2024	1	Item			
R Certification in accordance with IS 3218:2024 Install	1	Item			
S IS3218: 2024 Commissioning	1	Item			
T IS3218: 2024 Handover	1	Item			
U Temporary fire alarm detection cover to be provided during works	1	Item			
To Collection				€	

Description		Qty	Unit	Rate	€	c
(68-FA) PROTECTIVE SERVICES FIRE ALARM (cont.)						
A	New dedicated containment system for fire alarm & detection system made up of: 150mm ELV Cable Tray system incl Bracketry & Fixings, Unitstrut, misc hanging systems	1	Item			
B	25mm Steel conduits c/w accessories	1	Item			
C	Certificate of Design for containment hanging systems brackets, drop rods etc. for Fire Alarm system <i>as per BcARs 2014 i.e. Css Certificate</i>	1	Item			
D	Make safe, isolate, disconnect existing protective services	1	Item			
E	As installed drawing showing panel/loop/device numbers and sound levels in dBA	1	Item			
F	All cable continuity and resistance measurements recorded	1	Item			
G	Zone charts	1	Item			
H	Detection Zone listing and address information for the installed system	1	Item			
J	Battery calculations	1	Item			
K	User training + Log Book	1	Item			
L	Door Hold Open Devices c/w I/O modules	1	Item			
M	Remote LED indicators	1	Item			
N	External door mag lock, release button & sounder	1	Item			
O	Optical detectors in skylights	1	Item			
P	Double Fire Doors to 3Nr. Locations c/w access control, push bars, locks etc.	3	Item			
Q	Removal & safe disposal of existing double doors in 3Nr. Locations	3	Item			
<i>To Collection</i>					€	

Description	Qty	Unit	Rate	€	c
<u>(BW) BUILDERS WORKS / ATTENDANCES</u>					
A Coring / Drilling of wall opes for electrical services	1	Item			
B Safe disposal of all electrical redundant material	1	Item			
C Make good + paint opes where existing electrical services removed	1	Item			
D Fill / Patch opes where existing electrical services removed	1	Item			
E Provide for opes in plasterboard/tiled ceilings as required and allow for making good after installation	1	Item			
F Cut and drill into solid walls all necessary support brackets and where walls are not solid provide necessary grounds for misc. electrical services	1	Item			
G Provide for all fire stopping works where services penetrate fire rated walls or partitions c/w certification upon completion	1	Item			
H Coring / Alterations and making good of fire breaks	1	Item			
J Provide temporary portaloos (Allspace 4'x4' antivandal)	2	Item			
K Provide container for site materials (Allspace 40'x8')	1	Item			
L Provide temporary canteen (Allspace 24'x9' antivandal)	1	Item			
M Provide skips incl collections	6	Item			
N Asbestos Survey of entire school & report	1	Item			
<i>To Collection</i>				€	

Description	Qty	Unit	Rate	€	c
<u>(BW) BUILDERS WORKS / ATTENDANCES (Cont.1)</u>					
A Provide for off-loading and positioning Electrical panels / equipment as required	1	Item			
B Provide a full time site services engineer who will have responsibility for and supervise the co-ordination, quality assurance and commissioning and testing of the electrical installations.	1	Item			
C Take photographic records of installed Electrical Services on a daily basis. Photographs to be labelled under by date and installed area. The Photographic Records in digital format will form part of the hand-over documentation.	1	Item			
D In accordance with current Health and Safety guidelines, Main Contractor to ensure that safe support systems are provided for domestic electrical sub-contractors to work at heights.	1	Item			
E Provide MEWP for light fittings at high level and provide floor protection for duration	1	Item			
F <u>ALL</u> works to take place: Complete by 26th Feb 2076	1	Item			
G Photographic Survey of rooms for damages before work commences c/w report to be issued	1	Item			
H Second year of servicing the EMERGENCY LIGHTING system + FDAS from date of end DLP	1	Item			
J Local cleaning of school <u>daily</u> to limit dust	1	Item			
K Contractor is responsible for survey & identification of existing services to be removed and re-instated where ceilings are taken down and new installed	1	Item			
<i>To Collection</i>				€	

Description	Qty	Unit	Rate	€	c
<u>(BW) BUILDERS WORKS / ATTENDANCES (Cont.2)</u>					
A As per B/W Drawings: Detail # 1 Protect ALL white screens & I/A boards with 12mm plywood sheets / put up & take down	1	Item			
B As per B/W Drawings: Detail # 1 Protect all floors with corriboard / put down & take up	1	Item			
C As per B/W Drawings: Detail # 2 Full survey of walls, floors & ceilings and issue Schedule of dilapidations	1	Item			
D As per B/W Drawings: Detail # 3 Full survey al ALL ICT equipment issue Report/list of ICT equipment	1	Item			
E As per B/W Drawings: Detail # 3 Seal up / protect all PC's & projectors with protective sheets / seal up & unseal	1	Item			
F As per B/W Drawings: Detail # 3 Seal up / protect all books & shelves with protective sheets / seal up & unseal	1	Item			
G As per B/W Drawings: Detail # 4 Move ALL furniture into middle of room and re-instate afterwards	1	Item			
H <u>Deep clean</u> involves: Brush & Pans, Industrial hoover, Mops, buckets & wet vacs by a dedicated cleaning company (not GO's from contractor) for a minimum period of 4wks, 5 days a week, 8 hrs a day	160 hours	Item			
J <u>Plasterboard ceilings:</u> To be taken down & removed and new to be installed afterwards	1	Item			
K <u>Concrete Ceilings:</u> To be repaired after works	1	Item			
L <u>600x600 Ceilings:</u> Taken down and new installed	1	Item			
M Painting of walls where old equipment removed allow zone of 1.5mWx3mH as indicated on drawings	1	Item			
N Painting of new <u>plasterboard ceilings</u> as indicated on drawings	1	Item			
<i>To Collection</i>				€	

Description	Qty	Unit	Rate	€	c
ADDITIONAL ITEMS					
Add any additional items not included in this Element of the Pricing document, but (i) deemed to be contained within the drawings details, specification, tender documentation or any other document within the works requirements or (ii) deemed to be required following inspection of the site					
<u>Additional items</u>					
1					
2					
3					
4					
5					
NOTE: ALL ITEMS TO BE PRICED THROUGHOUT THIS PRICING DOCUMENT FOR ALL PAGES FROM 1 TO 10 It is a requirement of this project & contract that the <u>Electrical contractor</u> signs below that they are aware of the programme for this project but they can meet same <u>Start Date:</u> 27th Nov 2026 <u>Finish Date:</u> 26th Feb 2027 <u>Name of Company :</u> <u>Name of Director :</u> <u>Signature of Director :</u>					
To Collection					
				€	

Description	Qty	Unit	Rate	€	c
<u>COLLECTION</u>					
Page No. 1					
Page No. 2					
Page No. 3					
Page No. 4					
Page No. 5					
Page No. 6					
Page No. 7					
Page No. 8					
Page No. 9					
Page No. 10					
Page No. 11					
<u>ELECTRICAL INSTALLATION</u>					
NETT TOTAL [EXCLUDING VAT]					
ADD VAT @ 13.5%					
ADD VAT @ 21%					
TOTAL ELECTRICAL SERVICES INSTALLATION					
TOTAL AMOUNT TO FORM OF TENDER					
<u>COMPANY STAMP / NAME</u>					
<u>DATE:</u>					
<i>To Collection</i>				€	

2. Appendix A Handover & Completion Record Sheet

APPENDIX A: HANDOVER & COMPLETION RECORD SHEET (MAY 2014)

HANDOVER & COMPLETION RECORD SHEET (MAY 2014)

SCHOOL NAME:	ROLL No:
ADDRESS:	
PROJECT:	
	SIGNATURES & DATE
Mechanical Services comprising Heating Water Services, Ventilation, Soils & Wastes and Fire Protection Services. Tested and Operating Satisfactorily	
Electrical Services comprising of Electrical Supply, Electricity Centre, Main Distribution, Power Distribution, Lighting Services, Earthing, Communication Services, Transport Services and Protective Services. Tested and Operating Satisfactorily	
The Building Services Consulting Engineer has liaised with the Contractor and confirmed that the intruder alarm installation has been zoned to take account of the school authority's requirements for out-of-hours use of the building.	
The Building Services Consulting Engineer has liaised with the Contractor and confirmed that the school authority's requirements for operational times on the heating installation, external lighting and all time clock controlled systems have been incorporated into the M&E services controls.	
A schedule of all heating zones and all time clocks within the school detailing their purpose, location and individual operational time settings has been provided in its own section in the Operating and Maintenance Manuals.	
A Lighting Controls Commissioning Certificate incorporating Parts: A & B has been provided by the Contractor and included in the Operating & Maintenance Manuals handed over to the school.	
The cold and hot water services have been designed and installed in accordance with prevailing national and international standards with a specific focus on the prevention of Legionella in the water systems.	

Information with regard to the prevention of Legionella through regular maintenance of the hot and cold water systems was explained to the school at the hand over talks and has been included in both the Operation & Maintenance Manual and the Safety File issued to the school by the main contractor.		
A DVD recording of the formal handover talks, training and demonstration of the M&E services has been provided by the Contractor and is included in the Operating and Maintenance Manuals.		
The school representative i.e. Principal/Caretaker has been taken through a visual check scenario of the electrical installation in the school.		
A Check List for visual inspections of the electrical installation has been handed over to the school authority and a copy has also been included in the Operations & Maintenance Manual		
A soft copy of the Operating and Maintenance Manuals has been provided by the Contractor and is included in the Operating and Maintenance Manuals		
Operating and Maintenance Manuals have been checked for compliance and handed over by the Building Services Consulting Engineers to the school and have been fully explained.		
Two training and demonstration meetings were held in the presence of the Building Services Project Engineers, the Contractor and his M&E Contractors, the School Caretaker and the Principal and were fully briefed on the operation of all elements of the M&E services provided.		DATE MEETING No 1: DATE MEETING No 2:
A laminated wall chart has been provided explaining common operating/maintenance procedures.		
As Installed Drawings detailing the layout of the M&E services and that have been verified by the Building Services Consulting Engineers have been handed over to the school in hard copy and on disc.		
CONFIRMATION OF THE ABOVE ELEMENTS. We the undersigned confirm that all of the above elements have been concluded as noted.		
BUILDING SERVICES CONSULTING ENGINEERS (COMPANY NAME): 		
NAMES: (PRINTED) (i) (ii)	SIGNED: 	DATE:

SCHOOL PRINCIPAL		
NAME: (PRINTED)	SIGNED:	DATE:

3. Appendix B Listing of Materials Offered

LISTING OF MATERIALS OFFERED / PROPOSED EQUIPMENT SUPPLIER (to be completed by the tenderer)

Equipment:	Manufacturer:	Supplier Name:	Model No.:	Delivery Period:
Emergency Light Fittings - Internal				
Emergency Light Fittings - External				
c/w wire cages				
Emergency Lighting Commissioning Engineer				
Cables - 2.5mm ² singles				
Electrical outlets				
Builders Work Contractor				
Fire Stopping Materials				
Floor Protection Materials				
Electrical Works Contractor				
Fused Spur Outlets				
Fire Alarm equipment				
Cables - 2 x 1.5mm ² enhanced PH120				
Containment - Cable Trunking 100x100mm				
Containment - 25mm Steel conduits				

4. Appendix C Schedule of Rates

SCHEDULE OF HOURLY WAGE RATES

The following rates shall be applicable for works carried out on a time plus material basis. No such work shall take place without prior instruction in writing from the Engineer. This work shall be recorded daily on a day works sheet which record the times of day, name of operative, qualifications, of operatives and costs. For such day works to be valid, it is essential that a nominated representative of the employer sign these sheets on a daily basis.

OPERATIVE	NETT HOURLY WAGE RATE €/hr
FOREMAN	
TRADESMAN	
4TH YEAR APPRENTICE	
3RD YEAR APPRENTICE	
2ND YEAR APPRENTICE	
1ST YEAR APPRENTICE	
LABOURER	

OPERATIVE	NETT HOURLY WAGE RATE €/hr (Out of hours)
FOREMAN	
TRADESMAN	
4TH YEAR APPRENTICE	
3RD YEAR APPRENTICE	
2ND YEAR APPRENTICE	
1ST YEAR APPRENTICE	
LABOURER	

5. Appendix D FOI – Freedom of Information statement

FREEDOM OF INFORMATION STATEMENT (to be completed by the tenderer)

With reference to the specification, please complete A or B below:

I/We consider that

A None of the information supplied with this tender is sensitive

YES / NO

B The following information supplied with this tender should not be disclosed because of its sensitivity

Reasons

Signed: _____

Company Name: _____

Date: _____

6. Appendix E FBI – Fire Barrier Integrity Certificate

Employer _____

Completion Date: _____

Works initiated by: _____

Did breach affect Fire Barrier Integrity?

YES

NO

☐☐

Contractor: _____

Description of breach:

Wall

Ceiling

Floor

Electrical

Electrical

Other

Trunking

Press

☐	☐	☐	☐	☐
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☐

Contractor's Representative _____

Exact Location _____

Has breach been made good?

YES

NO

☐☐

Details of Work: _____

Commencement Date: _____ Time: _____

Materials used: _____ By whom was breach made good: _____

Completion of Fire Barrier Inspection on behalf of:

Contractor / Company Representative: _____

T5 Partnership Ltd _____

DATE: _____

DATE: _____