

Section 6 Contractors Cost Summary

Refer to all Architect's drawings and specifications in relation to extent of General Builder's Works and for confirmation of extent of Main Contract Works to all spaces affected.

All alteration works that may affect the existing operation of the electrical services within existing occupied areas must be conducted 'out of hours'. The timing of any 'out of hours' work must be outlined within the Main Contractor's phasing programme and agreed with the Client's Representative and Design Team, prior to any works taking place.

Note: *All isolations to existing services will be carried out only after submission of site specific Risk Assessments and Method Statements and receipt of approval from the Client's Representative. Certain works may be carried out under permit.*

***FAILURE TO COMPLETE ALL SECTIONS OR CONSISTANTLY USE
'INCLUDED' WILL INVALIDATE YOUR TENDER***

Item	Description	Unit	Qty	Rate	€	c
A	<u>Enabling Works Associated with the Electrical Installations</u>					
A.01	Allowance for complying with Safe Electric Guidance as detailed in section 3.2.1	Item				
A.02	Allowance identification and safe disconnection of all associated electrical services to facilitate the proposed refurbishment works	Item				
A.03	<u>Existing Distribution Boards</u> Identification, safe disconnection, removal of existing distribution boards and associated equipment	item				
A.04	<u>Existing Lighting & Emergency Lighting</u> Identification, safe disconnection, removal of general and emergency lighting and associated controls	item				
A.05	<u>Existing Fire Alarm</u> Identification, verification and protection of existing automatic detectors within the refurbishment areas for the duration of the contract	Item				
A.06	Safe Removal of all redundant fire alarm equipment and associated cabling once the new fire alarm equipment has been commissioned	Item				
A.07	<u>Existing PA Speaker</u> Identification, verification, removal safe storage for future use of all existing PA Speakers	Item				
A.08	<u>Existing Projector/ Interactive Whiteboards</u> Identification, labelling, verification, safe removal handing over to the school for future use of all existing Projectors & IWBs	Item				
TOTAL TO BE CARRIED FORWARD				€		

A	<u>Enabling Works Associated with the Electrical Installations (Continued)</u>					
	Amount Brought Forward			€		
A.09	<u>Existing WiFi Access Points</u> Identification, verification, removal and handing over to the school for future use of all existing Wifi Access Points	Item				
A.10	Miscellaneous	Item				
A.11	Testing, Commissioning & Labelling	Item				
A.12	Demonstration to the client	Item				
A.13	Allowance for registering above plant / equipment with manufacturer (if applicable) and complete maintenance cover for 1 st year (after issue of Architect's Practical Completion certificate) to maintain manufacturer's warranty.	Item				
TOTAL TO BE TAKEN FORWARD TO ELECTRICAL SERVICES COST SUMMARY TOTAL				€		

Item	Description	Unit	Qty	Rate	€	c
B	<u>Sub- Distribution Boards Installation</u>					
B.01	Supply and installation of new purpose built Form 2b Sub Distribution board c/w 125A dedicated busbars for Power, Lighting, Mechanical as required c/w Digital Meters, Outgoing Devices, Contactors and Timeclocks as follows SCIENCE BLOCK SDB 125A 24Way TP&N	Item				
B.02	Supply and installation of XLPE/SWA/LSF sub-mains cables. <i>Final rating and length of cables to be checked and agreed on site with Engineer prior to ordering.</i> SDB2 – SDBPD 5c 25mm ²	Item				
B.03	Testing of Distribution Boards	Item				
B.04	Labelling of Distribution Boards	Item				
B.05	Supply and installation of rubber mats at all sub-distribution boards as per section 2 of this specification.	Item				
B.06	Miscellaneous	Item				
B.07	Commissioning & Verification	Item				
B.08	Demonstration to the Client	Item				
	TOTAL TO BE TAKEN FORWARD TO ELECTRICAL SERVICES COST SUMMARY TOTAL			€		

Item	Description	Unit	Qty	Rate	€	c
C	<u>Containment Installation</u>					
C.01	Supply and installation of galvanised steel cable trunking for LV cables	Item				
C.02	Supply and installation of galvanised steel cable basket for ICT cables	Item				
C.03	Supply and installation of galvanised steel cable tray for Fire Alarm cables	Item				
C.04	Supply and installation of galvanised steel cable tray for ELV & Controls	Item				
C.05	Supply and installation of galvanised steel cable trunking for Sub Mains cables	Item				
C.06	Supply and installation of galvanised steel conduit within the floor fabric for connection to the island desks	Item				
C.07	Supply and installation of all other primary containment necessary for the complete electrical installation	Item				
C.08	Supply and installation of supports for containment systems. <i>Ensure supports and containment shall be capable of having an additional 20% increase in weight in accordance with IS10101:2020</i>	Item				
C.09	Supply and installation of fire stopping within trunking as required to protect each fire compartment					
C.10	Earthing and bonding.	Item				
C.11	Miscellaneous.	Item				
C.12	Allowance for registering above plant / equipment with manufacturer (if applicable) and complete maintenance cover for 1 st year (after issue of Architect's Practical Completion certificate) to maintain manufacturer's warranty.	Item				
TOTAL TO BE TAKEN FORWARD TO ELECTRICAL SERVICES COST SUMMARYTOTAL				€		

Item	Description	Unit	Qty	Rate	€	c
D	<u>General Power Installation</u>					
D.01	Galvanised steel conduit LSF single cables & surface mounted metalclad accessories associated with general power outlets	Item				
D.02	3-Compartment uPVC trunking LSF single cables & flush mounted upvc (Part M) accessories associated with general power outlets	Item				
D.03	Flexible steel conduit LSF single cables & flush mounted metalclad accessories associated island desks & furniture general power outlets	Item				
D.04	Allow for additional 2No. radial 4mm ² LSF circuits each to extend to 6No. double socket outlets Located 20mtrs from Distribution Board. To be used at the discretion of the engineer	Item				
D.05	Galvanised steel conduit LSF single cables & surface mounted accessories and contactor installations associated with the Electrical Emergency Shut Down for each classroom & prep room	Item				
D.06	Galvanised steel conduit LSF single cables & surface mounted metalclad accessories associated with the Gas Proving Installation	Item				
D.07	Galvanised steel conduit controls cables & surface mounted metalclad accessories associated with the Gas Proving Installation	Item				
D.08	Galvanised steel conduit LSF single and controls cables & surface mounted metalclad accessories associated with the Automatic Window Installations	Item				
	TOTAL TO BE CARRIED FORWARD			€		

D	<u>General Power Installation</u> <u>(Continued)</u>			
	Amount Brought Forward		€	
D.09	Galvanised steel conduit LSF single cables & surface mounted metalclad accessories associated with the Thermostats	Item		
D.10	Galvanised steel conduit LSF single cables & surface mounted metalclad accessories associated with the Water Heaters	Item		
D.11	Supply and installation of Solar Timeclock and Contactor Arrangement Installation associated with each Water Heater	Item		
D.12	Galvanised steel conduit LSF single cables & surface mounted metalclad accessories associated with the Co2 Sensors	Item		
D.13	Supply and installation of Duomo Co2 Sensors	Item		
D.14	Supply of Cat6A Patch Cords			
D.15	Earthing and Bonding Installation	Item		
D.16	Demonstrations of the Electrical Systems			
D.17	Miscellaneous.	Item		
D.18	Testing & Certification	Item		
TOTAL TO BE TAKEN FORWARD TO ELECTRICAL SERVICES COST SUMMARY TOTAL			€	

Item	Description	Unit	Qty	Rate	€	c
E	<u>Structured Cabling Installation</u>					
E.01	Galvanised steel conduit Cat6A UFTP cables & surface mounted metalclad accessories associated with the Structured Cabling Installation	Item				
E.02	Cat6A UFTP cables & flush mounted upvc accessories associated with the Structured Cabling Installation	Item				
E.03	24 Port Cat6A Patch Panels and wire management associated with the Structured Cabling Installation	Item				
E.04	Testing and commissioning of the cat6A installation using Fluke DTX	Item				
E.05	Miscellaneous	Item				
E.05	Allowance for registering above plant / equipment with manufacturer (if applicable) and complete maintenance cover for 1 st year (after issue of Architect's Practical Completion certificate) to maintain manufacturer's warranty	Item				
	TOTAL TO BE TAKEN FORWARD TO ELECTRICAL SERVICES COST SUMMARY TOTAL			€		

Item	Description	Unit	Qty	Rate	€	c
F	<u>General & Emergency Lighting Installation</u>					
F.01	Identification, safe disconnection, removal and disposal of all redundant lighting cabling and accessories.	Item				
F.02	Galvanised steel conduit, Isf singles wiring 'MK Metalclad Plus' accessories	Item				
F.03	Galvanised steel conduit, Isf singles wiring 'associated with light fittings	Item				
F.04	Galvanised steel conduit, Isf singles wiring 'associated with light controllers	Item				
F.05	Supply of Light Fittings Ref "A"	Item				
F.06	Supply of Light Fittings Ref "B"	Item				
F.07	Allow for the supply and installation of. 4No. additional ref A light fitting to be used at the discretion of the engineer	Item				
F.08	Supply and installation of Pir & Absence/daylight Dali Dimmable sensors	Item				
F.09	Galvanised steel conduit, and all wiring 'associated with light Absence/daylight Dali Dimmable sensors controllers	Item				
F.10	Supply of Light Fittings Ref "E3"	Item				
F.11	Allow for the supply and installation of. 2No. additional ref E1 light fitting to be used at the discretion of the engineer	Item				
F.12	Miscellaneous	Item				
F.13	Testing & Labelling	Item				
TOTAL TO BE CARRIED FORWARD				€		

Item	Description	Unit	Qty	Rate	€	c
F	<u>General Lighting Installation</u> <u>(Continued)</u>					
	TOTAL BROUGHT FORWARD			€		
F.13	Full Commissioning of as per DoES TGDs and as per Sample Lighting Commissioning form within the Lighting Schedules	Item				
F.14	Complete Commissioning of Emergency Lighting Installation In full accordance with the current IS3217 regulations	Item				
F.15	Full Demonstration of the lighting installation outside daylight hours	Item				
TOTAL TO BE TAKEN FORWARD TO ELECTRICAL SERVICES COST SUMMARY TOTAL				€		

Item	Description	Unit	Qty	Rate	€	c
G	<u>Fire Alarm System Installation</u>					
G.01	Allow for site visit by Commissioning Engineer, to determine condition of existing system and submit condition report to Consultant Engineer prior to alteration works.	Item				
G.02	Galvanised steel conduit and 'Metalclad' type accessories associated with fire alarm installation.	Item				
G.03	Wiring of all fire alarm devices in FP200+ 'enhanced' fire resistant cabling.	Item				
G.04	Supply and installation of all fire alarm devices including detectors, sounders, etc., as indicated on drawing(s).	Item				
G.05	Supply and installation of Fire Alarm I/O DeviceS for connection to the Gas Proving Systems within the Classrooms and Prep rooms	Item				
G.06	Allow for the supply and installation and cabling of 4No. additional smoke detectors c/w sounder base to be used at the discretion of the engineer	Item				
G.07	Testing and commissioning of the Fire Alarm system by and approved specialist Fire Alarm Engineer including for all certificates for modifications made.	Item				
G.08	Miscellaneous.	Item				
G.09	Allowance for registering above plant / equipment with manufacturer (if applicable) and complete maintenance cover for 1 st year (after issue of Architect's Practical Completion certificate) to maintain manufacturer's warranty.	Item				
TOTAL TO BE TAKEN FORWARD TO ELECTRICAL SERVICES COST SUMMARY TOTAL				€		

Item	Description	Unit	Qty	Rate	€	c
H	<u>Communication Systems</u>					
H.01	Allow for site visit by a suitably qualified PA Specialist, to determine condition of existing PA system and submit condition report to Consultant Engineer prior to alteration works.	Item				
H.02	Galvanised steel conduit and speaker wiring to all PA speakers within the classrooms and prep rooms	Item				
H.03	Supply and installation of fully compatible Classroom PA Speakers within each classroom and prep room	Item				
H.04	Testing and commissioning of the PA Speakers by an approved specialist	Item				
H.05	Supply and installation of 5m HDMI Ultra High Speed Cables for IWB	8No.				
H.06	Supply and installation of 5m USB 2.0 High Speed Cables for IWB	8No.				
H.07	Miscellaneous.	Item				
H.08	Allowance for registering above plant / equipment with manufacturer (if applicable) and complete maintenance cover for 1 st year (after issue of Architect's Practical Completion certificate) to maintain manufacturer's warranty.	Item				
TOTAL TO BE TAKEN FORWARD TO ELECTRICAL SERVICES COST SUMMARY TOTAL				€		

Item	Description	Unit	Qty	Rate	€	c
J	<u>GENERAL ITEMS</u>					
J.01	Allow for site team, including project review workshops, as defined in the Specification.			Sum		
J.02	Allow for maintenance of work for one year after handover to maintain warranty requirements.			Sum		
J.03	Allow for keeping a competent project manager on site when work is being done in connection with the services installation.			Sum		
J.04	Allow for bringing to site and removing from site all plant necessary for the execution of the works, all as detailed.			Sum		
J.05	Allow for all craneage associated with the services installation including offloading and positioning.			Sum		
J.06	Allow for protection for all installations in this section of the works.			Sum		
J.07	Allow for insurance.			Sum		
J.08	Allow for marking the position of all holes, mortices, chases and the like for the Main Contractor for the passage of pipes, ducts, etc.			Sum		
J.09	Allow for providing Builderswork drawings for all plinths, supports, bases, chases, etc, required for the complete installation, all as detailed.			Sum		
J.10	Allow for providing Manufacturer's drawings for the equipment/ installations, all as detailed.			Sum		
J.11	Allow for providing Working drawings for the complete installation, all as detailed.			Sum		
J.12	Allow for providing and maintaining on site Progress drawings for the complete installation, all as detailed.			Sum		
	Carried Forward			€		

Item	Description	Unit	Qty	Rate	€	c
	GENERAL ITEMS (Continued)					
	Brought Forward			€		
J.13	Allow for providing Record drawings in paper and electronic format for the complete Services Installation, all as detailed.			Sum		
J.14	Allow for provision of such drawings and documents to be supplied by the Contractor as are called for in accordance with the specification and conditions of contract for these works.			Sum		
J.15	Allow for providing Commissioning Dossier in paper and electronic format for the complete Services Installation, all as detailed.			Sum		
J.16	Allow for providing Operating and Maintenance Manuals in paper and electronic format for the complete installation all as detailed including record of tests.			Sum		
J.17	Allow for providing Building User Guide as detailed in the Specification.			Sum		
J.18	Allow for providing all labour, materials, power, fuel and test equipment for carrying out the testing and commissioning.			Sum		
J.19	Allow for instructing the Employer's Representative in operation of the Plant, Equipment and Systems, all as detailed.			Sum		
J.20	Allow for four site visits during the Defects Liability Period for seasonal commissioning, all as detailed.			Sum		
J.21	Allow for providing reference books and literature as detailed in the specification.			Sum		
J.22	Allow for carrying out tests on completion of the works in accordance with the Specification and conditions of contract for engineering works.			Sum		
	Carried Forward			€		

Item	Description	Unit	Qty	Rate	€	c
	GENERAL ITEMS (Continued) Brought Forward			€		
J.23	Allow for assisting and/or for the commissioning of the works in accordance with the specification and conditions of engineering works.			Sum		
J.24	Allow for co-ordinating all services to ensure the correct sequencing of all services installations to avoid clash of services and abortive work.			Sum		
J.25	Allow for providing attendance on Employer, Architect, Consulting Engineer and Clerk of Works.			Sum		
J.26	Allow for attendance on the Main Contractor, including arranging work with other Contractors and specialist installers.			Sum		
J.27	Allow for providing samples as may be called for by the Consulting Engineer.			Sum		
J.28	Allow for providing the spare parts for the installations, suitably identified and prepared for storage, all as detailed.			Sum		
J.29	Allow for complying with the requirements of the Specification Notes, Statutory Regulations and requirements of the Local Authority.			Sum		
J.30	Allow for general protecting the works in accordance with the Specification and Conditions of Contract.			Sum		
J.31	Allow for complying with all relevant statutory regulations in accordance with the specification and conditions of contract.			Sum		
J.32	Allow for removing from site all surplus rubbish, etc, associated with the works, all as detailed.			Sum		
	TOTAL TO BE TAKEN FORWARD TO ELECTRICAL SERVICES COST SUMMARY TOTAL			€		

item	Description	Unit	Qty	Rate	€	c
	<u>ELECTRICAL SERVICES COST</u> <u>SUMMARY TOTAL</u>					
AA	<i>Total for compliance with conditions of contract and all items contained within the main contract preliminaries and preambles within this document. The Contractor must make known any discrepancies prior to acceptance of their tender sum.</i>			Sum		
A.	Total Enabling Works Associated with the Electrical Installations			Sum		
B.	Total for new Sub- Distribution Boards Installation			Sum		
C.	Total for Containment Installation			Sum		
D.	Total for General Power Installation			Sum		
E.	Total for Structured Cabling Installation			Sum		
F.	Total for General & Emergency Lighting Installation			Sum		
G.	Total for Fire Alarm System installation			Sum		
H.	Total for Communication Systems			Sum		
J	Total for General items			Sum		
K	Allowance for compliance with Safety Health and Welfare Acts and Regulations			Sum		
L	Any additional items not included. If noting information please detail below			Sum		
L1.				Sum		
L2				Sum		
L3				Sum		
L4				Sum		
NETT TOTAL FOR ELECTRICAL SERVICES <i>(Excluding VAT / Builder's Discount & Builder's attendances),</i>				€		

Amount in Words:

Company Name:

Signed:

Print:
