

DEPARTMENT OF EDUCATION AND YOUTH
CLIMATE ACTION SUMMER WORKS SCHEME

LIMERICK & CLARE EDUCATION AND TRAINING BOARD

THREE SCIENCE LABORATORY CLASSROOMS UPGRADE

AT

COLÁISTE MHUIRE
ASKEATON
CO LIMERICK
ROLL Nr. 71700F

VOLUME C

PRICING DOCUMENT / SCHEDULE OF PRICES

September 2026



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T1	Revised Tender Issue	J. Fahey	G. McHugh	22 nd May 2026
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1.0 TENDER SUMMARY / SCHEDULE OF PRICES

Each item in this Tender Summary must be priced separately otherwise the tender may be invalidated

1.1 Section A: Preliminaries

Provide for the following as appropriate. Unless the tenderer specifically notes an amount of money or “not included” after each of the Preliminary items, it shall be taken by default that any costs associated with these items are included in the totalled tender figure.

Ref.	Description	Amount
A.1	Mobilisation of contractors management, supervision and staff	€
A.2	Carrying out the works in accordance with the terms and requirements of the specification.	€
A.3	Scaffolding, access platforms hoisting, plant, tools, ladders, vehicles, temporary buildings and any other support facilities required.	€
A.4	Health, safety, welfare and training of personnel.	€
A.5	Requirements of local authorities and others having jurisdiction; police regulations, customs duties/levies.	€
A.6	Setting out, supervision and programming.	€
A.7	National insurance and pensions for personnel; holidays; incentive bonus; transfer of personnel; country money.	€
A.8	Safeguarding the works, materials (including Employer's materials) and plant against damage and theft.	€
A.9	Maintenance of existing buildings, facilities, roads and repair of damage done by this Contractor.	€
A.10	Insurances.	€
A.11	Preparation of working drawings.	€
A.12	Builders work drawings, setting out and supervision of associated builders work activities.	€
A.13	Allow for completing a photographic survey to record any pre-existing damage to the school fixtures and finishes and issue to the Engineers prior to commencement.	€
A.14	Allow for any costs in relation to the proposed phasing of the works as detailed in the Preliminary Plan	€
A.15	Labelling; provision of operating and maintenance manuals; as-built drawings; commissioning data records; instructing and training employer's representatives.	€
A.16	Amount to carry out duties of Project Supervisor for Construction Stage as specified in the SHW Regulations.	€
A.17	Amount for preparation and submission of Safety and Health File to the Employer – 2. No copies hard copies and 2 No soft copies on / memory sticks.	€

Sub Total for Section A Preliminaries

€

Carried forward to Overall Summary Section F

1.2 Section B: Science Laboratory Furniture

Provide for the following as appropriate. Totals shall include all necessary materials; labour; transport; delivery to site; loading/off-loading; storage; duties; levies; spares as specified in this specification, or by the product manufacturer/supplier; accessories and support devices; installation; erection; connection; testing and commissioning, as appropriate:-

B70-1 Science Lab 1 Classroom 28 - Fitted Furniture & Equipment

Ref.	Description	Amount
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- | | | |
|-----|---|---|
| (a) | Supply and install the Storage Unit with Sliding Doors (Tag F3) as specified | € |
| (b) | Supply and install the 3 Nr. High Level Wall Storage Units (Tag F4) as specified | € |
| (c) | Supply and install the Worktop with Base Units (Tag F6) as specified | € |
| (d) | Supply and install the Worktop with Base Units & Science Sink (Tag F7) as specified | € |
| (e) | Supply and install the 2 Nr. Belfast Sink Units (Tag F8) as specified | € |
| (f) | Supply and install the 5 Nr. Student Science Pedestal Units c/w Science Sink (Tag F9) as specified | € |
| (g) | Supply and install the Student Science Pedestal (Accessible) c/w Science Sink (Tag F10) as specified | € |
| (h) | Supply and Install the Fume Cupboard (Tag F11) as specified | € |
| (i) | Supply and install the Teaching Wall Units (Tag F12) as specified | € |
| (j) | Supply and install the L-Shaped Shelving Unit (Tag S7) as specified | € |
| (k) | Supply and Install the Dishwasher (Tag SE4) as specified | € |
| (l) | Supply and Install the Fridge Freezer (Tag SE5) as specified | € |
| (m) | Allow for any other miscellaneous fitted furniture as required for Science Lab Classroom 1 (itemise separately below) | € |

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**Section B70-1 Sub-Total Science Lab 1 Classroom 28 Fitted Furniture
 carried forward to Summary Section F**

€

B70-2 Science Lab 2 Classroom 26 - Fitted Furniture & Equipment

Ref.	Description	Amount
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- | | | |
|-----|---|---|
| (a) | Supply and install the Storage Unit with Sliding Doors (Tag F3) as specified | € |
| (b) | Supply and install the 3 Nr. High Level Wall Storage Units (Tag F4) as specified | € |
| (c) | Supply and install the Worktop with Base Units (Tag F6) as specified | € |
| (d) | Supply and install the Worktop with Base Units & Science Sink (Tag F7) as specified | € |
| (e) | Supply and install the 2 Nr. Belfast Sink Units (Tag F8) as specified | € |
| (f) | Supply and install the 5 Nr. Student Science Pedestal Units c/w Science Sink (Tag F9) as specified | € |
| (g) | Supply and install the Student Science Pedestal (Accessible) c/w Science Sink (Tag F10) as specified | € |
| (h) | Supply and Install the Fume Cupboard (Tag F11) as specified | € |
| (i) | Supply and install the Teaching Wall Units (Tag F12) as specified | € |
| (j) | Supply and install the L-Shaped Shelving Unit (Tag S7) as specified | € |
| (k) | Supply and Install the Dishwasher (Tag SE4) as specified | € |
| (l) | Supply and Install the Fridge Freezer (Tag SE5) as specified | € |
| (m) | Allow for any other miscellaneous fitted furniture as required for Science Lab Classroom (itemise separately below) | € |

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Section B70-3 Sub-Total Science Lab 2 Classroom 26 Fitted Furniture carried forward to Summary Section F

€

B70-3 Science Lab 3 Classroom 14 - Fitted Furniture & Equipment

Ref.	Description	Amount
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- | | | |
|-----|---|---|
| (a) | Supply and install the Storage Unit with Sliding Doors (Tag F3) as specified | € |
| (b) | Supply and install the 3 Nr. High Level Wall Storage Units (Tag F4) as specified | € |
| (c) | Supply and install the Island with Tray Storage System (Tag F5) as specified | € |
| (d) | Supply and install the Worktop with Base Units (Tag F6) as specified | € |
| (e) | Supply and install the Worktop with Base Units (Tag F6.a) as specified | € |
| (f) | Supply and install the Worktop with Base Units & Science Sink (Tag F7) as specified | € |
| (g) | Supply and install the 2 Nr. Belfast Sink Units (Tag F8) as specified | € |
| (h) | Supply and install the 5 Nr. Student Science Pedestal Units c/w Science Sink (Tag F9) as specified | € |
| (i) | Supply and install the Student Science Pedestal (Accessible) c/w Science Sink (Tag F10) as specified | € |
| (j) | Supply and Install the Fume Cupboard (Tag F11) as specified | € |
| (k) | Supply and install the Teaching Wall Units (Tag F12) as specified | € |
| (l) | Supply and install the L-Shaped Shelving Unit (Tag S7) as specified | € |
| (m) | Supply and Install the Dishwasher (Tag SE4) as specified | € |
| (n) | Supply and Install the Fridge Freezer (Tag SE5) as specified | € |
| (o) | Allow for any other miscellaneous fitted furniture as required for Science Lab Classroom (itemise separately below) | € |

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Section B70-5 Sub-Total Science Lab 3 Classroom 14 Fitted Furniture carried forward to Summary Section F	€
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1.3 Section C: Mechanical Works

Provide for the following as appropriate. Totals shall include all necessary materials; labour; transport; delivery to site; loading/off-loading; storage; duties; levies; spares as specified in this specification, or by the product manufacturer/supplier; accessories and support devices; installation; erection; connection; testing and commissioning, as appropriate:

Ref.	Description	Amount
C50	Demolitions / General / Maintenance	€uro
(a)	Allow for isolation, disconnection and removal of redundant mechanical services in Science Lab 1 Classroom 28 including water and sanitary ware / soils & wastes, gas services, heating distribution system pipework and radiators and ventilation services and disposal to a licensed waste facility in compliance with current legislation.	€
(b)	Allow for isolation, disconnection and removal of redundant mechanical services in Science Lab 2 Classroom 26 including water and sanitary ware / soils & wastes, gas services, heating distribution system pipework and radiators and ventilation services and disposal to a licensed waste facility in compliance with current legislation.	€
(c)	Allow for isolation, disconnection and removal of redundant mechanical services in Science Lab 3 Classroom 14 including water and sanitary ware / soils & wastes, gas services, heating distribution system pipework and radiators and ventilation services and disposal to a licensed waste facility in compliance with current legislation.	€
(d)	Allow for salvage and safe storage of existing fire fighting extinguishers in the three science labs and for re-installation in the labs on completion of the upgrade works.	€
(e)	Allow for routine service and preventative maintenance of the upgraded Mechanical Services installations installed under the contract for a period of 12 months from date of final handover to the client, (i.e. during the defects liability period).	€
(f)	Allow for any miscellaneous costs in relation to the Demolitions / General Items / Maintenance not taken for elsewhere (tenderer to provide details below with breakout of costs)	€
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Sub-total for Section C50		
Carried forward to Summary Section F		€

C52	Soils & Wastes Services	Amount
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- | | | |
|-----|--|---|
| (a) | Supply and install above ground waste services pipework and connections to the Science Lab 1 Classroom 28 sink units as specified. | € |
| (b) | Supply and install above ground waste services pipework and connections to the Science Lab 2 Classroom 26 sink units as specified. | € |
| (c) | Supply and install above ground waste services pipework and connections to the Science Lab 3 Classroom 14 sink units as specified. | € |
| (d) | Allow for Testing, Commissioning and Certification of the soils and wastes and drainage installations as specified. | € |
| (e) | Allow for any miscellaneous costs in relation to the Waste Services not taken for elsewhere (tenderer to provide details below) | € |

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<i>Sub-total for Section C52</i>	€
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Carried forward to Summary Section F

C53 Water Services Amount

- (a) Allow for alteration to existing water supply pipework as required to serve the new Science Lab 1 Classroom 28 furniture layouts and supply and install the new cold water services distribution pipework fittings and accessories to serve the new Science Lab 1 as specified €
- (b) Supply and install under sink water heaters to the Science Lab 1 Sinks as specified €
- (c) Supply and install the new hot water services distribution pipework, fittings, TMV3s and accessories to serve the new Science Lab 1 as specified €
- (d) Allow for alteration to existing water supply pipework as required to serve the new Science Lab 2 Classroom 26 furniture layouts and supply and install the new cold water services distribution pipework fittings and accessories to serve the new Science Lab 2 as specified €
- (e) Supply and install under sink water heaters to the Science Lab 2 Sinks as specified €
- (f) Supply and install the new hot water services distribution pipework, fittings, TMV3s and accessories to serve the new Science Lab 2 as specified €
- (g) Allow for alteration to existing water supply pipework as required to serve the new Science Lab 3 Classroom 14 furniture layouts and supply and install the new cold water services distribution pipework fittings and accessories to serve the new Science Lab 3 as specified €
- (h) Supply and install under sink water heaters to the Science Lab 3 Sinks as specified €
- (i) Supply and install the new hot water services distribution pipework, fittings, TMV3s and accessories to serve the new Science Lab 3 as specified €
- (j) Allow for thorough flushing out and sterilisation of the upgraded water services distribution pipework as specified. €
- (k) Allow for Testing, Commissioning and Certification of the upgraded Science Labs water services installations and demonstration to the engineer and instruction of client staff in the proper operation of the upgraded water services systems at time of practical completion. €
- (l) Allow for any miscellaneous costs in relation to the Water Services upgrade not taken for elsewhere (provide details with breakout of costs). €

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Sub-total for Section C53 €

Carried forward to Summary Section F

C54	Gas Services	Amount
(a)	Allow for liaison on and attendances with the LPG supplier as required to install the new LPG storage tank and gas service as specified.	€
(b)	Supply and install the pipework connection to the bulk LPG tank and the new master slam shut valve mounted in a weather proof stainless steel enclosure on the existing stub wall within the gas compound as specified.	€
(c)	Supply and install the external underground PE pipework from the LPG storage tank compound to the School Building as specified. (trenching and civil works by domestic groundworks sub-contractor included at Section E40 below)	€
(d)	Supply and install the external gas distribution galvanised mild steel tubing fixed to the external wall below eaves level and with second stage regulators locally at each final connection into the Science Labs 1 & 2 , the Engineering Room and the Home Economics Room as specified.	€
(e)	Supply and install the new gas distribution system pipework, manifold, fittings, accessories and outlets to serve Science Lab 1 Classroom 28 as specified.	€
(f)	Supply and install the new gas pressure proving systems c/w two control panels, slam shut valves, E-Stops and CO ₂ monitors in Science Lab 1 as specified.	€
(g)	Supply and install the new gas distribution system pipework, manifold, fittings, accessories and outlets to serve Science Lab 2 Classroom 26 as specified.	€
(h)	Supply and install the new gas pressure proving systems c/w two panels, slam shut valves, E-Stops and CO ₂ monitors in Science Lab 2 as specified.	€
(i)	Supply and install the external 2 gas bottle distribution pipework system to serve Science Lab 3 as detailed on the drawings complete with new two-cylinder automatic changeover valve, regulator, isolation valves and hoses as specified.	€
(j)	Supply and install the new gas distribution system pipework, manifold, fittings, accessories and outlets to serve Science Lab 3 Classroom 14 as specified.	€
(k)	Supply and install the new gas pressure proving systems c/w two panels, slam shut valves, E-Stops and CO ₂ monitors in Science Lab 3 as specified.	€
(l)	Supply and install the new gas pressure proving system c/w panel, slam shut valve and E-Stop in the Engineering Room as specified.	€
(m)	Supply and install the new gas pressure proving system c/w panel, slam shut valve and E-Stop in the Home Economics Room as specified.	€
(n)	Allow for alteration to the existing gas distribution pipework as required to connect the Home Economics Room appliances to the new gas distribution system. Include for new gas isolation valves and hoses to serve the existing cookers and appliances as required.	€
(o)	Allow for Testing, Commissioning and Certification of the complete gas services installations and demonstration to the engineers and for instruction of client staff in the proper operation of the gas services systems and gas pressure proving systems at time of practical completion.	€
(p)	Allow for testing, commissioning and certification of the new gas pressure proving safety systems by the specialist supplier Modern Plant.	€
(q)	Allow for any miscellaneous costs in relation to the Gas Services not taken for elsewhere (provide details with breakout of costs).	€
		
		
	Sub-total for Section C54	€
	Carried forward to Summary Section F	

C56	Heating Distribution Services	Amount
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- | | | |
|-----|---|---|
| (a) | Supply and install the new two pipe mild steel heating distribution pipe work system to serve Science Lab 1 Classroom 28 and connect to the existing header pipework as specified. | € |
| (b) | Supply and install the new 1.5mm steel panel Radiators in Science Lab 1 and c/w thermostatic radiator valve in the Prep Room as particularly specified. (No TRV required to classroom which is controlled by Room Thermostat) | € |
| (c) | Supply and install the new two pipe mild steel heating distribution pipe work system to serve Science Lab 2 Classroom 26 and connect to the existing header pipework as specified. | € |
| (d) | Supply and install the new 1.5mm steel panel Radiators in Science Lab 2 and c/w thermostatic radiator valve in the Prep Room as particularly specified. (No TRV required to classroom which is controlled by Room Thermostat) | € |
| (e) | Supply and install the new two pipe mild steel heating distribution pipe work system to serve Science Lab 3 Classroom 14 and connect to the existing header pipework as specified. | € |
| (f) | Supply and install the new 1.5mm steel panel Radiators in Science Lab 3 and c/w thermostatic radiator valve in the Store and Prep Room as particularly specified. (No TRV required to classroom which is controlled by Room Thermostat) | € |
| (e) | Allow for refilling the system with a mixture of water and corrosion inhibitor. | € |
| (g) | Allow for Testing, and recommissioning the heating installations including the zone controls as specified | € |
| (h) | Allow for any miscellaneous costs in relation to the three Science Classrooms Space Heating Services upgrade not taken for elsewhere (provide details with breakout of costs). | € |

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Sub-total for Section C56

€

Carried forward to Summary Section F

C57-1 Mechanical Ventilation Science Lab 1 Amount

- (a) Supply and install Science Lab 1 fume cupboard extract fan at high level in the chemical store c/w new speed controller as specified €
- (b) Supply and install the 250mm Ø polypropylene extract ductwork for Science Lab 1 fume cupboard to the discharge point 1.5 m above the roof level. Allow for weathering aprons and transition through the roof and for a bird mesh screen to prevent bird entry as specified. €
- (b) Supply and install the 150mm Ø passive vent c/w louvres / grilles and insect Screen for make-up air to Science Lab 1 extract systems as specified. €
- (c) Supply and install the Science Lab 1 Chemical store extract fan and ductwork c/w timer controls and fire alarm interface as specified. €
- (d) Supply and install the MVHR unit HE-01 in Science Lab 1 Classroom 28 as specified. €
- (e) Supply and install MVHR supply air and exhaust air transitions, ductwork, insulation and brackets etc. and roof terminal cowls as specified. €
- (f) Supply the MVHR local controller for HE-01 c/w CO2 sensors to provide automatic speed control adjustment and free issue to the electrical contractor for installation and wiring as specified. €
- (g) Allow for testing, commissioning and certification of the mechanical extract ventilation systems and controls and demonstration to the services engineers on completion as specified €
- (h) Allow for instruction of client staff in the proper operation of the fume extract and heat recovery ventilation systems at time of practical completion / handover as specified. €
- (i) Allow for any miscellaneous costs in relation to the Lab 1 Ventilation Services upgrade not taken for elsewhere (provide details with breakout of costs). €

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Sub-total for Section C57-1

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Carried forward to Summary Section F

C57-2 Mechanical Ventilation Science Lab 2 Amount

- | | | |
|-----|---|---|
| (a) | Supply and install Science Lab 2 fume cupboard extract fan at high level in the chemical store c/w new speed controller as specified | € |
| (b) | Supply and install the 250mm Ø polypropylene extract ductwork for Science Lab 2 fume cupboard to the discharge point 1.5 m above the roof level. Allow for weathering aprons and transition through the roof and for a bird mesh screen to prevent bird entry as specified. | € |
| (b) | Supply and install the 150mm Ø passive vent c/w louvres / grilles and insect Screen for make-up air to Science Lab 2 extract systems as specified. | € |
| (c) | Supply and install the Science Lab 2 Chemical store extract fan and ductwork c/w timer controls and fire alarm interface as specified. | € |
| (d) | Supply and install the MVHR unit HE-02 in Science Lab 2 Classroom 26 as specified. | € |
| (e) | Supply and install MVHR supply air and exhaust air transitions, ductwork, insulation and brackets etc. and roof terminal cowls as specified. | € |
| (f) | Supply the MVHR local controller for HE-02 c/w CO ₂ sensors to provide automatic speed control adjustment and free issue to the electrical contractor for installation and wiring as specified. | € |
| (g) | Allow for testing, commissioning and certification of the mechanical extract ventilation systems and controls and demonstration to the services engineers on completion as specified | € |
| (h) | Allow for instruction of client staff in the proper operation of the fume extract and heat recovery ventilation systems at time of practical completion / handover as specified. | € |
| (i) | Allow for any miscellaneous costs in relation to the Lab 2 Ventilation Services upgrade not taken for elsewhere (provide details with breakout of costs). | € |

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Sub-total for Section C57-2

Carried forward to Summary Section F

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C57-3 Mechanical Ventilation Science Lab 3 **Amount**

- | | | |
|-----|--|---|
| (a) | Supply and install Science Lab 3 fume cupboard extract fan at roof level c/w new speed controller as specified | € |
| (b) | Allow for alterations to the existing 250mm Ø polypropylene extract ductwork to connect to the new Science Lab 3 fume cupboard and extract fan to discharge point 1.5 m above the roof level. Allow for weathering aprons and transition through the roof and for a bird mesh screen to prevent bird entry as specified. | € |
| (b) | Supply and install the 150mm Ø passive vent c/w louvres / grilles and insect Screen for make-up air to Science Lab 3 extract systems as specified. | € |
| (c) | Supply and install the Science Lab 3 Chemical store extract fan and ductwork c/w timer controls and fire alarm interface as specified. | € |
| (d) | Supply and install the MVHR unit type HE-03 in Science Lab 3 Classroom 14 as specified. | € |
| (e) | Supply and install MVHR supply air and exhaust air transitions, ductwork, insulation and brackets etc. and plenum boxes and louvres as specified. | € |
| (f) | Supply the MVHR local controller for HE-03 c/w CO ₂ sensors to provide automatic speed control adjustment and free issue to the electrical contractor for installation and wiring as specified. | € |
| (g) | Allow for testing, commissioning and certification of the mechanical extract ventilation systems and controls and demonstration to the services engineers on completion as specified | € |
| (h) | Allow for instruction of client staff in the proper operation of the fume extract and heat recovery ventilation systems at time of practical completion / handover as specified. | € |
| (i) | Allow for any miscellaneous costs in relation to the Lab 3 Ventilation Services upgrade not taken for elsewhere (provide details with breakout of costs). | € |

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Sub-total for Section C57-3

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Carried forward to Summary Section F

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1.4 Section D: Electrical Works

Provide for the following as appropriate. Totals shall include all necessary materials; labour; transport; delivery to site; loading/off-loading; storage; duties; levies; spares as specified in this specification, or by the product manufacturer/supplier; accessories and support devices; installation; erection; connection; testing and commissioning, as appropriate:

Ref.	Description	Amount
D60	Demolitions / General / Maintenance	€uro
(a)	Allow for detailed survey and investigation of the existing electrical services installations in the school serving the three Science Lab Classrooms prior to commencement to trace and identify all final circuits and connection points, particularly services which are being retained.	€
(b)	Allow for provision of adequate labelling & protection of existing installations which are being retained to ensure that these services are not damaged or removed in error during the furniture strip out works.	€
(c)	Trace, isolate disconnect and strip out all existing redundant electrical installations serving Science Lab 1 Classroom 28 and dispose of to a licensed WEEE waste recycling facility in compliance with current legislation as specified.	€
(d)	Trace, isolate disconnect and strip out all existing redundant electrical installations serving Science Lab 2 Classroom 26 and dispose of to a licensed WEEE waste recycling facility in compliance with current legislation as specified.	€
(e)	Trace, isolate disconnect and strip out all existing redundant general electrical installations in Science Lab 3 Classroom 14 and dispose of to a licensed WEEE waste recycling facility in compliance with current legislation as specified.	€
(f)	Allow for routine and preventative maintenance of the new electrical installations installed under the contract for a period of 12 months from date of final handover to the client, (i.e. defects liability period).	€
(g)	Allow for routine service and maintenance of the upgraded fire alarm system by a specialist fire Alarm sub-contractor in accordance with the requirements of IS 3218 2024 for a period of 12 months from date of substantial completion. (Allow for the required four periodic visits as required under the standard)	€
(h)	Allow for any miscellaneous costs in relation to the Electrical Demolition Works / General Items / Maintenance not taken for elsewhere (tenderer to provide details below with breakout of costs)	€
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Sub-total for Section D60		
Carried forward to Summary Section F		€

D61	Power Distribution System Upgrade	Amount
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- | | | |
|-----|--|---|
| (a) | Supply and install the supplementary 150mm heavy duty LV power tray from the existing electrical switchroom to the Science Labs 1 & 2 SDBs as specified. | € |
| (b) | Supply and install the new Science Lab 1 Classroom 28 Sub Distribution Board mounted at a height in accordance with the current IS 10101 with max height to top of 2.25m complete with emergency stop contactor, 7 day time clocks for water heaters as required to serve the new electrical services in Science classroom 1 as specified. | € |
| (c) | Supply, install and terminate the new 5x16mm sq. XLPE/SWA/LSF armoured cable from existing MDB 1 to Science Lab 1 Classroom 28 new Sub Distribution Board | € |
| (d) | Supply and install the new Science Lab 2 Classroom 26 Sub Distribution Board mounted at a height in accordance with the current IS 10101 with max height to top of 2.25m complete with emergency stop contactor, 7 day time clocks for water heaters as required to serve the new electrical services in Science Lab1 as specified. | € |
| (e) | Supply, install and terminate the new 5x16mm sq. XLPE/SWA/LSF armoured cable from MDB 1 to Science Lab 2 Classroom 26 new Sub Distribution Board | € |
| (f) | Supply and install the new Science Lab 3 Classroom 14 Sub Distribution Board mounted at a height in accordance with the current IS 10101 with max height to top of 2.25m complete with emergency stop contactor, 7 day time clocks for water heaters as required to serve the new electrical services in Science Lab 3 as specified. | € |
| (g) | Allow for alterations and diversion and re-terminating of the existing sub mains cable feeder serving Science Lab 3 Classroom 14 to the new SDB as specified. | € |
| (h) | Allow for any miscellaneous costs in relation to the Power Distribution System upgrade works to the three science labs not taken for elsewhere (tenderer to provide details below with breakout of costs) | € |

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Sub-total for Section D61

€

Carried forward to Summary Section F

D62-1 General Service Power Upgrade	Amount
(a) Supply and install galvanised steel trunking and conduit systems and 3 compartment DADO trunkings to Science Lab 1 Classroom 28 as specified	€
(b) Supply, install and terminate Science Lab 1 general service and equipment power wiring (4mm sq. LSF singles) fed from the new Sub Board to the wall mounted final outlets / accessories as specified..	€
(c) Supply, install and terminate Science Lab 1 general service and equipment power wiring (3x4mm sq. PVC/SWA/PVC) fed from the new Sub Board via underground ducts to the island benches mounted outlets as specified.	€
(d) Supply and install the general service socket outlets, spur outlets / local isolators, E-Stops and accessories and allow for making final connections to the equipment in Science Lab 1 as specified. (Include for engineered metalclad back boxes without knockouts for surface mounted services)	€
(e) Supply and install galvanised steel trunking and conduit systems and 3 compartment DADO trunkings to Science Lab 2 Classroom 26 as specified	€
(f) Supply, install and terminate Science Lab 2 general service and equipment power wiring (4mm sq. LSF singles) fed from the new Sub Board to the wall mounted final outlets / accessories as specified..	€
(g) Supply, install and terminate Science Lab 2 general service and equipment power wiring (3x4mm sq. PVC/SWA/PVC) fed from the new Sub Board via underground ducts to the island benches mounted outlets as specified.	€
(h) Supply and install the general service socket outlets, spur outlets / local isolators, E-Stops and accessories and allow for making final connections to the equipment in Science Lab 2 as specified. (Include for engineered metalclad back boxes without knockouts for surface mounted services)	€
(i) Supply and install galvanised steel trunking and conduit systems and 3 compartment DADO trunkings to Science Lab 3 Classroom 14 as specified	€
(j) Supply, install and terminate Science Lab 3 general service and equipment power wiring (4mm sq. LSF singles) fed from the new Sub Board to the wall mounted final outlets / accessories as specified..	€
(k) Supply, install and terminate Science Lab 3 general service and equipment power wiring (3x4mm sq. PVC/SWA/PVC) fed from the new Sub Board via underground ducts to the island benches mounted outlets as specified.	€
(l) Supply and install the general service socket outlets, spur outlets / local isolators, E-Stops and accessories and allow for making final connections to the equipment in Science Lab 3 as specified. (Include for engineered metalclad back boxes without knockouts for surface mounted services)	€
(m) Allow for the complete earthing and bonding installation to the new general service installations to current IS 10101 requirements.	€
(n) Allow for testing, commissioning and certification of the general services and for demonstration to the client representative / services engineer.	€
(o) Allow for any miscellaneous costs in relation to the three Science Labs General Service wiring / earthing upgrade not taken for elsewhere (tenderer to provide details below with breakout of costs)	€
.....	
Sub-total for Section D62-1 Carried forward to Summary Section F	€

D62-2 Gas Proving System

Ref.	Description	Amount
(a)	Supply and install galvanised steel cable containment including conduit and trunking as required to contain all new gas proving system cabling with separate containment for gas proving systems power and extra low voltage cabling.	€
(b)	Supply and install the master pressure proving control panel in the reception office as specified.	€
(c)	Supply and install the power and control wiring associated with the new master gas proving system between the control panel in the reception office and the slam shut valve sender unit in the external gas compound as specified.	€
(d)	Supply and install the enhanced PH120 fire alarm interface cabling and interface unit to the master gas pressure proving system as specified. (master gas slam shut valve closes on fire alarm)	€
(e)	Allow for installation of the gas proving control panels and CO ₂ sensors and E-Stop in Science Lab 1 Classroom 28 as specified	€
(f)	Supply and install the power and control wiring associated with the new gas proving system between the slam shut valve sender units and the control panels in Science Lab 1 Classroom 28 as specified.	€
(g)	Allow for installation of the gas proving control panels and CO ₂ sensors and E-Stop in Science Lab 2 Classroom 26 as specified	€
(h)	Supply and install the power and control wiring associated with the new gas proving system between the slam shut valve sender units and the control panels in Science Lab 2 Classroom 26 as specified.	€
(i)	Allow for installation of the gas proving control panels and CO ₂ sensors and E-Stop in Science Lab 3 Classroom 14 as specified	€
(j)	Supply and install the power and control wiring associated with the new gas proving system between the slam shut valve sender units and the control panels in Science Lab 3 Classroom 14 as specified.	€
(k)	Supply and install the enhanced PH120 fire alarm interface cabling and interface unit to the master gas pressure proving system as specified. (master gas slam shut valve closes on fire alarm)	€
(l)	Allow for Testing, Commissioning and Certification of the electrical services / fire alarm interface for the new gas proving systems.	€
(m)	Allow for any miscellaneous costs in relation to the gas proving electrical services installations upgrade not taken for elsewhere (tenderer to provide details below)	€
		
		
	Sub-total for Section D62-2	€
	Carried forward to Summary Section F	

D63 General & Emergency Lighting Systems Upgrade Amount

- (a) Supply and installation of a galvanised steel trunking and conduit system for the new lighting systems as specified €
- (b) Supply installation and termination of 2.5mm sq. LSF singles mains wiring for the new lighting systems run in conduit and trunking back to the existing central lighting boards as specified. €
- (c) Supply and installation of new metal clad plate switch accessories and wiring devices for the lighting systems with new switch mounting height at 1100mm AFFL (Include for engineered metal clad back boxes without knockouts). €
- (d) Supply, installation, erection and connection of the general luminaires.
 Type A €
 Type B €
- (e) Supply, installation, erection and connection of the new emergency and escape lighting luminaires
 Type: EX - Exit Sign €
 Type: EM1 - Surface Open Area Emergency Light €
 Type: EM2 – Hi output Surface Open Area Emergency Light €
 Type: E – External Bulkhead Emergency Light to IP65 €
- (f) Allow for testing, commissioning and certification of the new lighting systems. €
- (g) Allow for testing, commissioning and certification of the new emergency lighting to IS3217:2023. Note:- Model Form certificates part 2 and 3 to be provided by the installation contractors and commissioning specialist. The emergency lighting commissioning specialist shall instruct the School Principal in the system in accordance with the requirements of IS3217 and shall arrange for sign off of the Part 4 Handover model form certificate by the Principal. €
- (h) Allow for programming testing, commissioning and certification of the automatic lighting controls systems by the lighting controls supplier's trained specialist to TGD 002/030 standard to include demonstration to the client representative and services engineer and provision of a detailed commissioning report / certificate in accordance with TGD 030 Appendix B €
- (i) Provide a comprehensive schedule of emergency light fittings as installed (in excel format) for maintenance purposes as required under IS3217. €
- (j) Allow for any miscellaneous costs in relation to the Lighting System Upgrade not taken for elsewhere (tenderer to provide details below) €

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Sub-total for Section D63 €
Carried forward to Summary Section F

D64 ICT & Structured Cabling Systems & PA Amount

- (a) Supply and install new galvanised steel containment system for the Cat 6A structured wiring system from the DCC comms room to serve the three science classrooms as specified €
- (b) Supply and install new galvanised steel conduit drops for the Cat 6A structured wiring system within the three science classrooms as specified €
- (c) Supply and installation of the 2 Nr 24 Way Cat 6A data patch panels and cable management accessories in the existing MDF cabinet as required to terminate all new CAT 6A cabling as specified. €
- (d) Supply, installation and termination of 4 pair UTP CAT 6A cabling from the new patch panels in the MDF cabinet to the new CAT 6A RJ45 data outlets by trained and certified ICT technicians. €
- (e) Allow for relocation of existing overhead projector and white board and all associated services to suit the new teaching wall location. (Relocation shall be completed by a suitable specialist sub-contractor) €
- (f) Allow for salvage and storage of the PA Speakers and for re-installation and reconnection to the existing PA system wiring as specified. €
- (g) Allow for Testing, Commissioning and Certification of the ICT and overhead projector system. €
- (h) Allow for any miscellaneous costs in relation to the ICT installations upgrade not taken for elsewhere (tenderer to provide details below) €

.....

Sub-total for Section D64
Carried forward to Summary Section F

€

D65 Protective Services	Amount
(a) Supply and installation of a segregated supplementary galvanised steel trunking and conduit system for the fire alarm cabling alterations as specified.	€
(b) Supply and installation of the Prysmian FP Plus enhanced fire rated cabling, and all accessories associated with the alterations to the existing fire alarm installation.	€
(c) Supply and installation of the new open protocol fire detection and alarm components including smoke detectors, heat detectors, manual call points c/w clear plastic covers, interface relays and sounders etc. compatible with the existing fire alarm system as specified.	€
(d) Allow for interfacing the Fire Alarm System with the master gas proving safety system to shut the main school gas slam shut valve as specified.	€
(e) Allow for interfacing the Fire Alarm System with the Science Lab 3 gas proving safety system to shut the Lab 3 gas slam shut valve as specified.	€
(f) Allow for interfacing the Fire Alarm System with the MVHR and chemical store mechanical ventilation systems in Science Labs 1, 2 and 3 as specified.	€
(g) Allow for all attendances, liaison and all electrical works associated with the fire alarm system installation.	€
(h) Allow for testing, commissioning and certification of the upgraded Fire Alarm Installation to IS 3218:2024. Note:- Model Form commissioning certificates part 2 and 3 to be provided by the systems and installation contractors and part 4 by the specialist fire alarm system supplier's commissioning engineer in accordance with the requirements of IS3218	€
(i) Allow for retaining existing intruder alarm cabling and for supply and installation of new dual inertia contacts on the external doors and new dual tech passive infrared detectors within each room as detailed on the drawings.	€
(j) Allow for testing and recommissioning the intruder alarm system on completion	€
(k) Allow for any miscellaneous costs in relation to the Protective Services not taken for elsewhere (tenderer to provide details below with breakout of costs)	€
.....	
.....	
Sub-total for Section D65	
Carried forward to Summary Section F	€

1.5 Section E: Builders Works / Miscellaneous Works

Provide for the following as appropriate. Totals shall include all necessary materials; labour; transport; delivery to site; loading/off-loading; storage; duties; levies; spares as specified in this specification, or by the product manufacturer/supplier; accessories and support devices; installation; erection; connection; testing and commissioning, as appropriate:

E40-1 Ref.	Builders Work Science Lab 1 Classroom 28 Description	Amount
(a)	Allow for careful packing and removal of existing science lab equipment and materials and any existing loose furniture to client stores under client supervision to enable the furniture upgrade works to proceed.	€
(b)	Allow for strip out of all redundant furniture and for disposal off site to a licenced waste recycling facility in accordance with current waste directives.	€
(c)	Allow for strip out and disposal of all existing floor coverings and disposal off site to a licenced waste facility.	€
(d)	Allow for careful strip out of the redundant timber platform / step at the existing teaching workstations / benches. Level and make good to the remaining floors.	€
(e)	Allow for wet saw cutting and breaking out of floor ducts in the existing concrete floors to serve the new lab furniture as detailed and specified.	€
(f)	Following installation and testing of new services re-instate the concrete floors, repair the damp proof membrane, lay warning tape and make good to concrete floors to match existing floor levels.	€
(g)	Carefully core opes through external walls / foundation as required to install new services. Make good and weather proof / vermin proof as appropriate following installation of services.	€
(h)	Carefully core opes through internal walls as required to install new services. Make good seal as appropriate following installation of services. Allow for fire stopping fire compartment walls as necessary.	€
(i)	Supply and fix new ceramic wall tiles over worktops to form splashbacks as detailed on the drawings (tile selection to client preference.).	€
(j)	Supply and install underground drainage using 110mm uPVC pipework to serve the new furniture and connect to the existing foul drainage system externally. Provide builders pop up at each pedestal / sink.	€
(k)	Prepare all floors and level with self-levelling / damp proof compound to provide a suitable base for new flooring as specified	€
(l)	Supply and Install a new AJ externally and reinstate the tarmacadam paving to match existing on completion of the new drainage as specified.	€
(m)	Supply and lay the new marmoleum flooring Polyflor Polysafe Vogue Ultra Range to the Science classroom – colour to client selection or equal and pre-approved.	€
(n)	Allow for suitable thresholds at doors to prevent flooring lifting.	€
(o)	Allow for careful removal of the existing Classroom and Prep Room doors, frames and architraves and disposal off site to a licenced waste recycling facility as specified.	€
Sub-Total carried forward to next page		€

Sub-Total brought forward to previous page		€
(p)	Allow for widening and preparation of the Classroom, Prep Room and Chemical store door opes for the new fire door frames, door and architraves and taking site measurements prior to placement of order.	€
(q)	Supply and install the new 30 minute fire and smoke sealed door sets complete with ironmongery and door furniture for the Classroom and Prep Room as specified.	€
(r)	Supply and install the new 60 minute fire and smoke sealed door sets complete with ironmongery and door furniture for the Classroom and Prep Room as specified.	€
(s)	Supply and install the new 30 minute fire rated internal high level classroom windows to the main corridor as specified.	€
(t)	Supply and install the new 30 minute fire rated internal window in classroom for fume cupboard demonstration as specified.	€
(u)	Allow for making good to the wall and floor at the new door sets to match existing including new skirting architraves and intumescent seals and door slips and to the high level windows intumescent seals and slips as required.	€
(v)	Allow for cleaning and preparing all internal wall and joinery surfaces throughout classroom, prep room and store in preparation for final painting and redecoration.	€
(w)	Supply and apply an undercoat and two finish coats of standard emulsion paint (Dulux or equal) to all wall surfaces throughout the classroom prep room and store. (Paint colours to client selection)	€
(x)	Supply and apply an undercoat and two finish coats of gloss paint or varnish (Dulux or equal) to all doors, skirting and architraves throughout the classroom prep room and store. (Paint colours to client selection)	€
(y)	Allow for 'T' Cut primer, under coat and two finishing coats of oil based gloss paint finish to all new surface run steel containment and pipework installed under the contract to match room paint finishes. (Dulux Gloss or equal)	€
(z)	Allow for alterations to the extract ductwork penetrations through the composite panel roof and weathering on completion of ventilation works.	€
(aa)	Supply and install new window and door blinds with flame retardant washable fabric as specified.	€
(ab)	Allow for a thorough clean down of the complete work areas by specialist contract cleaners on final completion prior to final handover to the client.	€
(ac)	Allow for any other miscellaneous builders works required to complete the Science Lab 1 upgrade as intended (tenderer to provide details below with breakout of costs)	€
.....		
.....		
Section E40-1 Sub-Total for Builder's Work		€
carried forward to Summary Section F		

E40-2 Ref.	Builders Work Science Lab 2 Classroom 26 Description	Amount
(a)	Allow for careful packing and removal of existing science lab equipment and materials and any existing loose furniture to client stores under client supervision to enable the furniture upgrade works to proceed.	€
(b)	Allow for strip out of all redundant furniture and for disposal off site to a licenced waste recycling facility in accordance with current waste directives.	€
(c)	Allow for strip out and disposal of all existing floor coverings and disposal off site to a licenced waste facility.	€
(d)	Allow for careful strip out of the redundant timber platform / step at the existing teaching workstations / benches. Level and make good to the remaining floors.	€
(e)	Allow for careful removal of the tiered seating and student benches in the Demonstration Room and store during the upgrade works and re-install on completion of the flooring renewal works.	€
(f)	Construct a new stud partition wall to part of the window to the courtyard and apply privacy film to the window glass to enable the installation of the teachers workstation on the side wall as specified	€
(g)	Allow for wet saw cutting and breaking out of floor ducts in the existing concrete floors to serve the new lab furniture as detailed and specified.	€
(h)	Following installation and testing of new services re-instate the concrete floors, repair the damp proof membrane, lay warning tape and make good to concrete floors to match existing floor levels.	€
(i)	Carefully core opes through external walls / foundation as required to install new services. Make good and weather proof / vermin proof as appropriate following installation of services.	€
(j)	Carefully core opes through internal walls as required to install new services. Make good seal as appropriate following installation of services. Allow for fire stopping fire compartment walls as necessary.	€
(k)	Supply and fix new ceramic wall tiles over worktops to form splashbacks as detailed on the drawings (tile selection to client preference.).	€
(l)	Supply and install underground drainage using 110mm uPVC pipework to serve the new furniture and connect to the existing foul drainage system externally. Provide builders pop up at each pedestal / sink.	€
(m)	Prepare all floors and level with self-levelling / damp proof compound to provide a suitable base for new flooring as specified	€
(n)	Supply and Install a new AJ externally and reinstate the tarmac paving to match existing on completion of the new drainage as specified.	€
(o)	Supply and lay the new marmoleum flooring Polyflor Polysafe Vogue Ultra Range to the Science classroom – colour to client selection or equal and pre-approved.	€
(p)	Allow for suitable thresholds at doors to prevent flooring lifting.	€
(q)	Allow for careful removal of the existing Classroom and Prep Room doors, frames and architraves and disposal off site to a licenced waste recycling facility as specified.	€
	Sub-Total carried forward to next page	€

Sub-Total brought forward to previous page		€
(r)	Allow for widening and preparation of the Classroom, Prep Room and Chemical store door opes for the new fire door frames, door and architraves and taking site measurements prior to placement of order.	€
(s)	Supply and install the new 30 minute fire and smoke sealed door sets complete with ironmongery and door furniture for the Classroom and Prep Room as specified.	€
(t)	Supply and install the new 60 minute fire and smoke sealed door set complete with ironmongery and door furniture for the Chemical Store as specified.	€
(u)	Supply and install the new 30 minute fire rated internal window in classroom for fume cupboard demonstration as specified.	€
(v)	Allow for making good to the wall and floor at the new door sets to match existing including new skirting architraves and door slips as required.	€
(w)	Allow for cleaning and preparing all internal wall and joinery surfaces throughout classroom, prep room and store in preparation for final painting and redecoration.	€
(x)	Supply and apply an undercoat and two finish coats of standard emulsion paint (Dulux or equal) to all wall surfaces throughout the classroom prep room and store. (Paint colours to client selection)	€
(y)	Supply and apply an undercoat and two finish coats of gloss paint or varnish (Dulux or equal) to all doors, skirting and architraves throughout the classroom prep room and store. (Paint colours to client selection)	€
(z)	Allow for 'T' Cut primer, under coat and two finishing coats of oil based gloss paint finish to all new surface run steel containment and pipework installed under the contract to match room paint finishes. (Dulux Gloss or equal)	€
(aa)	Allow for alterations to the extract ductwork penetration through the composite panel roof and weathering on completion of the ventilation works. Redundant classroom fume extract roof upstand to be insulated capped and sealed weathertight	€
(ab)	Supply and install new window and door blinds with flame retardant washable fabric as specified.	€
(ac)	Allow for a thorough clean down of the complete work areas by specialist contract cleaners on final completion prior to final handover to the client.	€
(ad)	Allow for any other miscellaneous builders works required to complete the Science Lab 2 upgrade as intended (tenderer to provide details below with breakout of costs)	€
.....		
.....		
Section E40-2 Sub-Total for Science Lab 2 Builder's Work carried forward to Summary Section F		€

E40-3	Builders Work Science Lab 3 Classroom 14	
Ref.	Description	Amount
(a)	Allow for careful packing and removal of existing science lab equipment and materials and any existing loose furniture to client stores under client supervision to enable the furniture upgrade works to proceed.	€
(b)	Allow for strip out of all redundant furniture and for disposal off site to a licenced waste recycling facility in accordance with current waste directives.	€
(c)	Allow for strip out and disposal of all existing floor coverings and disposal off site to a licenced waste facility.	€
(d)	Allow for careful strip out of the redundant timber platform / step at the existing teaching workstations / benches. Level and make good to the remaining floors.	€
(e)	Allow for opening up the first floor corridor service riser to allow installation of the new fume extract fan and for re-instatement and fire sealing of the riser on completion of testing and commissioning the new fume extract fan	€
(f)	Allow for wet saw cutting and breaking out of floor ducts in the existing concrete floors to serve the new lab furniture as detailed and specified.	€
(g)	Allow for wet saw cutting and trenching through the concrete footpath and tarmac yard for the new drainage and gas services and reinstate as detailed to match existing levels and finish of the footpath and tarmac as specified.	€
(h)	Construct the new concrete plinth for the 2 x 34kG gas bottle storage as specified.	€
(i)	Following installation and testing of new services re-instate the concrete floors, repair the damp proof membrane, lay warning tape and make good to concrete floors to match existing floor levels.	€
(j)	Carefully core opes through external walls / foundation as required to install new services. Make good and weather proof / vermin proof as appropriate following installation of services.	€
(k)	Carefully core opes through internal walls as required to install new services. Make good seal as appropriate following installation of services. Allow for fire stopping fire compartment walls as necessary.	€
(l)	Supply and fix new ceramic wall tiles over worktops to form splashbacks as detailed on the drawings (tile selection to client preference.).	€
(m)	Supply and install underground drainage using 110mm uPVC pipework to serve the new furniture and connect to the existing foul drainage system externally. Provide builders pop up at each pedestal / sink.	€
(n)	Prepare all floors and level with self-levelling / damp proof compound to provide a suitable base for new flooring as specified	€
(o)	Supply and Install a new AJ externally and reinstate the tarmac paving to match existing on completion of the new drainage as specified.	€
(p)	Supply and lay the new marmoleum flooring Polyflor Polysafe Vogue Ultra Range to the Science classroom – colour to client selection or equal and pre-approved.	€
(q)	Allow for suitable thresholds at doors to prevent flooring lifting.	€
Sub-Total carried forward to next page		€

	Sub-Total brought forward to previous page	€
(r)	Allow for careful removal of the existing Classroom, Prep Room and chemical store doors, frames and architraves and disposal off site to a licenced waste recycling facility as specified.	€
(s)	Allow for widening and preparation of the Classroom, Prep Room and Chemical store door opes for the new fire door frames, door and architraves and taking site measurements prior to placement of order.	€
(t)	Supply and install the new 30 minute fire and smoke sealed door sets complete with ironmongery and door furniture for the Classroom and Prep Room as specified.	€
(u)	Supply and install the new 60 minute fire and smoke sealed door set complete with ironmongery and door furniture for the Chemical Store as specified.	€
(v)	Allow for wet saw cutting and breaking out of floor ducts in the existing concrete floors and externally to the existing drainage manhole to serve the new lab furniture as detailed and specified.	€
(w)	Allow for making good to the wall and floor at the new door sets to match existing including new skirting architraves and door slips as required.	€
(x)	Allow for cleaning and preparing all internal wall and joinery surfaces throughout classroom, prep room and store in preparation for final painting and redecoration.	€
(y)	Supply and apply an undercoat and two finish coats of standard emulsion paint (Dulux or equal) to all wall and ceiling surfaces throughout the classroom prep room and store. (Paint colours to client selection)	€
(z)	Supply and apply an undercoat and two finish coats of gloss paint or varnish (Dulux or equal) to all doors, skirting and architraves throughout the classroom prep room and store. (Paint colours to client selection)	€
(aa)	Allow for 'T' Cut primer, under coat and two finishing coats of oil based gloss paint finish to all new surface run steel containment and pipework installed under the contract to match room paint finishes. (Dulux Gloss or equal)	€
(ab)	Allow for alterations to the extract ductwork penetration through the composite panel roof and weathering on completion of the ventilation works.	€
(ac)	Allow for a thorough clean down of the complete work areas by specialist contract cleaners on final completion prior to final handover to the client.	€
(ad)	Allow for any other miscellaneous builders works required to complete the Science Lab 3 upgrade as intended (tenderer to provide details below with breakout of costs))	€

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Section E40-3 Sub-Total for Science Lab 3 Builder's Work
carried forward to Summary Section F

€

E40-4 LPG Storage Tank Compound & Trenching / Civil Works **Amount**

- | | | |
|-----|---|---|
| (a) | Allow for ground penetrating radar survey to identify and locate existing underground services in the proposed route for new underground Gas Service Pipe to enable co-ordination of proposed new gas pipes with existing services and safe trenching / excavation works. | € |
| (b) | Allow for stripping removal and disposal of the top soil to formation level and preparation of the gas tank compound hardcore base and lay the new 150mm level concrete base within the existing LPG storage compound as detailed on the drawings | € |
| (c) | Allow for saw cutting and trenching the tarmac school yard and for trenching for the new 32mm PE Gas pipework from the LPG storage compound and from the Science Lab 3 LPG Bottle storage facility to the School building as specified. | € |
| (d) | Allow for hand digging in the vicinity of existing services to avoid damage to existing services as required. (Allow for hand dig 10% of the route) | € |
| (e) | Core Opes through the external masonry wall of the Science Labs 1, 2 & 3, the Engineering Room and the Home Economics room (300mm cavity walls) as required to install new gas services. Sleeve the pipework and make good and weatherproof and vermin proof / seal following installation of services. | € |
| (f) | Lay 75mm sand surround around PE Gas pipework in trenches as specified. | € |
| (g) | Back fill trench in tarmac yard with clause 804 in well compacted 100mm layers, lay marker tape at 300mm below grade as specified. | € |
| (h) | Allow for re-instatement and making good to the tarmac yard to match existing depth, finish and levels as specified. | € |
| (i) | Construct a new concrete plinth for the two 34kg Gas bottle installation at Science Lab 3 as specified | € |
| (j) | Supply and install the galvanised steel protective cage with access gate around the 2 x 34kG gas bottles at Science Lab 3 as specified | € |
| (k) | Allow for thorough clean down of the work areas in the school yard and sports field on completion. Include for light power wash of the school yard. | € |
| (l) | Allow for any miscellaneous civil works and builder's works as required to complete the gas services upgrade and not taken for elsewhere. Itemise separately below. | € |

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Sub-total for Section E40-4
Carried forward to Summary Section F

€

E40-5	Bicycle Shelters	Amount
(a)	Allow for a ground penetrating radar survey to identify and locate existing underground services in the proposed location of the new Bicycle shelters to enable safe excavation works for the concrete bases as specified.	€
(b)	Allow for stripping removal and disposal of the top soil to formation level and preparation of the bicycle shelters hardcore base with clause 804 fill material as detailed on the drawings.	€
(c)	Construct the two new 150mm level concrete bases for the two bicycle shelters as detailed on the drawings	€
(d)	Supply and install the two new 20 bay bicycle shelters with heavy-duty galvanised tubular steel framework c/w 10-year structural guarantee clear polycarbonate glazing (sides, rear wall & roof) c/w 10-year guarantee against UV damage an full weather protection on side panels and c/w galvanised high security Toast Racks, to allow the bicycle frame to be securely locked in position and all in powder coated paint finish (colour to client selection).	€
(e)	Allow for any miscellaneous civil works and builders work as required to complete the new Bicycle Shelters to the School and not taken for elsewhere. Itemise separately below.	€
.....		
.....		
Section E40-6 Sub-Total		€
Carried forward to Summary Section F		

1.6 Section F: Summary Sheet

	Euro
Sub-Total Section A Preliminaries:	€
Section 'B' Science Laboratory Furniture:	
Sub-Total B70-1 Lab 1 Fitted Furniture & Equipment	€
Sub-Total B70-2 Lab 2 Fitted Furniture & Equipment	€
Sub-Total B70-3 Lab 3 Fitted Furniture & Equipment	
Section 'C' Mechanical Works:	
Sub-Total C50 Demolitions / General / Maintenance	€
Sub-Total C52 Soils and Wastes Services	€
Sub-Total C53 Water Services	€
Sub-Total C54 Gas Services	€
Sub-Total C56 Heating Distribution Services	€
Sub-Total C57-1 Mechanical Ventilation Science Lab 1	€
Sub-Total C57-2 Mechanical Ventilation Science Lab 2	€
Sub-Total C57-3 Mechanical Ventilation Science Lab 3	€
Section 'D' Electrical Works:	
Sub-Total D60 Demolitions / General / Maintenance	€
Sub-Total D61 Power Distribution System Upgrade	€
Sub-Total D62-1 General Services Power Upgrade	€
Sub-Total D62-2 Gas Proving Systems	€
Sub-Total D63 General & Emergency Lighting	€
Sub-Total D64 ICT & Structured Cabling System & PA	€
Sub-Total D65 Protective Services	€
Section E40 Builders Work:	
Sub-Total E40-1 Builders Work Science Lab 1	€
Sub-Total E40-2 Builders Work Science Lab 2	€
Sub-Total E40-3 Builders Work Science Lab 3	€
Sub-Total E40-4 LPG Storage Compound & Trenching	€
Sub-Total E40-5 Bicycle Shelters	€
Nett Tender Sum	€
<i>(Forward to Form of Tender)</i>	
VAT Analysis:-	
VAT @ 13 ½ % on €	€
Total VAT	€
Total Tender Amount Inclusive of VAT	€

Signed:- For and on behalf of:-

Name:- Position:- Date:-.....

2.0 DAYWORK RATES

To be applied to works that differ substantially in type from works priced in the tender.

Labour :

Foreman/Tradesman :	Charge € per hour
Chargehand/Tradesman :	Charge € per hour
Tradesman :	Charge € per hour
Apprentice (Senior) :	Charge € per hour
Apprentice (Junior) :	Charge € per hour
Labourer/Helper :	Charge € per hour

Materials :

Supply of Materials :	Nett cost%
Delivery of Materials :	Nett cost%

3.0 ESTIMATE RATES

To be applied to works that are similar in type to the works priced in the tender.

Labour :

Foreman/Tradesman :	Charge € per hour
Chargehand/Tradesman :	Charge € per hour
Tradesman :	Charge € per hour
Apprentice (Senior) :	Charge € per hour
Apprentice (Junior) :	Charge € per hour
Labourer/Helper :	Charge € per hour

Materials :

Supply of Materials :	Nett cost%
Delivery of Materials :	Nett cost%

Note : Labour rates shown shall be inclusive of all labour overheads. These rates are for normal working hours only and shall be adjusted accordingly for productive overtime hours and non-productive hours.

4.0 SCHEDULE OF SUB CONTRACTORS

This schedule must be completed for any works that will be sub contracted.

Sub Contract Works	Proposed Sub-Contractors Name
Laboratory Furniture Specialist	
Mechanical Services Sub Contractor	
Electrical Services Sub Contractor	
ICT Services	
Fire Alarm / Protective Services	
Gas Proving	
Builders Works Sub Contractor	
Civil Works / Groundworks Sub Contractor	
Painting & Decorating	
Contract Cleaners	

5.0 SCHEDULE OF MANUFACTURERS AND DELIVERIES

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

Item	Manufacturer	Model	Delivery / Lead Time
Laboratory Furniture			
Fire Doors			
Fire Screens / Windows			
Fume Cupboards			
Radiators			
Fume Extract Fans			
MVHR Units			
Switchboards			
Light Fittings			

