

CBS THURLES SECONDARY SCHOOL

**CLASSROOM EXTENSIONS &
WOODWORK ROOM ALTERATIONS**

TENDER DOCUMENTS

**VOLUME C
PRICING DOCUMENT - SERVICES ENGINEERS**

**SECTION 2
MECHANICAL SCHEDULE OF PRICES**

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Shanaclogh, Cappawhite, Co Tipperary. Tel:- 062 75929

Email:- info@force.ie

<i>Revision</i>	<i>Issue</i>	<i>Prepared By</i>	<i>Approved By</i>	<i>Date</i>
T0	Tender Issue	S. Ryan	J. Fahey	29 th June 2017

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1.0 TENDER SUMMARY / SCHEDULE OF PRICES

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	Setting out, supervision and programming.	€
A.6	National insurance and pensions for personnel; holidays; incentive bonus; transfer of personnel; country money.	€
A.7	Safeguarding the works, materials (including Employer's materials) and plant against damage and theft.	€
A.8	Allow for water, power and light for works, to the extent required.	€
A.9	Insurances.	€
A.10	Preparation of working drawings.	€
A.11	Builders work drawings, setting out and supervision of associated builders work activities.	€
A.12	Labelling; provision of operating and maintenance manuals; as-built drawings; commissioning data records; instructing and training employer's representatives.	€
A.13	Allow for assisting the Project Supervisor for Construction Stage as required under the SHW Regulations.	€
A.14	Amount for preparation and submission of Mechanical Services Safety File to the Employer – 2. No hard copies and 2 No soft copies on computer disc.	€

Sub Total for Section A Preliminaries
Carried forward to Overall Summary Section C

€

1.2 Section B : 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:

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

Ref.	Description	Amount
B50	General	€uro
(a)	Allow for completing a detailed site survey and investigation of the existing School to confirm existing services locations and connection points etc	€
(b)	Allow for routine and preventative maintenance of the Mechanical Heat Recovery Ventilation systems 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). Allow here for 2 No. service visits: The first at 6 months and the Second at the end of the 12 month defects period to complete routine service maintenance inspection and testing of the HRV controls and replacement of consumable items such as filters. Include for providing a detailed maintenance service inspection report on completion of each visit.	€
(c)	Allow for routine and preventative maintenance of the Woodwork Room Air Filtration System 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). Allow here for 2 No. service visits: The first at 6 months and the Second at the end of the 12 month defects period to complete routine service maintenance inspection and testing of the air filtration controls and replacement of consumable items such as filters. Include for providing a detailed maintenance service inspection report on completion of each visit.	€
(d)	Allow for routine and preventative maintenance of all other Mechanical 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).	€
Sub-total for Section B50		
Carried forward to Summary Section C		€

B52	Soils and Wastes and Drainage Services	Amount
(a)	Allow for the isolation & removal of existing sink in woodwork room and blank capping redundant waste pipework below ground.	€
(b)	Supply and install above ground soils and waste services and connections from the sink units in the upgraded Science Room, Preparation Room and Woodwork Room to connect to the underground drainage provided by the main contractor.	€
(c)	Allow for Testing, Commissioning and Certification of the complete soils and wastes and drainage installations.	€
(d)	Allow for any miscellaneous costs in relation to the Soils & Waste Services not taken for elsewhere (tenderer to provide details below).	€
	€
	€

	<i>Sub-total for Section B52</i>	€
	<i>Carried forward to Summary Section C</i>	_____

B53	Water Services Upgrade	Amount
(a)	Allow for alteration of existing cold water service pipework to connect to the new sinks as specified.	€
(b)	Supply and install foiled back insulation to all new/modified water service pipe work in the ceiling voids.	€
(c)	Supply and install point of use undersink water heaters as specified including alterations to existing pipework as required.	€
(d)	Supply and install new anti scald Thermostatic Mixer Valves (TMVs) local to each hot water outlet.	€
(e)	Allow for cleaning and sterilisation of the new water services pipework as specified.	
(f)	Allow for Testing, Commissioning and Certification of the upgraded water services installations.	€
(g)	Allow for any miscellaneous costs in relation to the Water Services upgrade not taken for elsewhere (tenderer to provide details below)	€
	€
	€
	Sub-total for Section B53	€
	Carried forward to Summary Section C	

B56-1 Woodwork Room Space Heating System		Amount
(a)	Allow for isolation and drain down of the existing woodwork room heating system to enable completion of alterations.	€
(b)	Supply and install the new two pipe mild steel heating distribution pipe work as specified.	€
(c)	Supply and install new radiators as specified.	€
(d)	Supply and install foiled back insulation to all distribution pipework in the ceiling void as specified.	€
(e)	Allow for Testing, Commissioning and Certification of the new heating distribution system.	€
(f)	Allow for client staff training and demonstration on the upgraded heating system and controls	€
(g)	Allow for any miscellaneous costs in relation to the Space Heating Distribution System upgrade not taken for elsewhere (tenderer to provide details below)	€
	€
	€
Sub-total for Section B56-1		€
Carried forward to Summary Section C		

B56-2 Extension Classrooms Space Heating System		Amount
(a)	Allow for isolation and drain down of the existing heating system to enable connection to the existing header pipework as specified.	€
(b)	Supply and install the new two pipe mild steel heating distribution pipe work as specified.	€
(c)	Supply and install foiled back insulation to all new/modified heating distribution pipe work in the ceiling voids.	
(d)	Supply and install new radiators as specified.	€
(e)	Supply the room thermostats with digital display for installation by the electrical sub-contractor as specified.	€
(f)	Supply and install motorised two port zone valve and associated isolation valves as specified.	€
(g)	Allow for Testing, Commissioning and Certification of the new heating distribution system.	€
(h)	Allow for client staff training and demonstration on the upgraded heating system and controls	€
(h)	Allow for any miscellaneous costs in relation to the Space Heating Distribution System upgrade not taken for elsewhere (tenderer to provide details below)	€
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Sub-total for Section B56-1		€
Carried forward to Summary Section C		

B56-3 Science Room & Preparation Space Heating Distribution System Amount

- | | | |
|-----|--|---|
| (a) | Allow for isolation and drain down of the existing Science room and preparation room heating system to enable completion of alterations as specified. | € |
| (b) | Supply and install the new two pipe mild steel heating distribution pipe work as specified. | € |
| (c) | Supply and install new radiators as specified. | € |
| (d) | Supply and install foiled back insulation to all distribution pipework in the ceiling void as specified. | € |
| (e) | Allow for Testing, Commissioning and Certification of the new heating distribution system. | € |
| (f) | Allow for client staff training and demonstration on the upgraded heating system and controls | € |
| (g) | Allow for any miscellaneous costs in relation to the Space Heating Distribution System upgrade not taken for elsewhere (tenderer to provide details below) | € |

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Sub-total for Section B56-3

€

Carried forward to Summary Section C

B56-4 Technology Room Space Heating Distribution System	Amount
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- | | |
|--|---|
| (a) Allow for isolation and drain down of the existing Technology room heating system to enable completion of alterations as specified. | € |
| (b) Supply and install the new two pipe mild steel heating distribution pipe work as specified. | € |
| (c) Supply and install new radiators as specified. | € |
| (d) Allow for Testing, Commissioning and Certification of the new heating distribution system. | € |
| (e) Allow for client staff training and demonstration on the upgraded heating system and controls | € |
| (f) Allow for any miscellaneous costs in relation to the Space Heating Distribution System upgrade not taken for elsewhere (tenderer to provide details below) | € |

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Sub-total for Section B56-4

€

Carried forward to Summary Section C

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B57-1 Preparation Room HRV Ventilation System **Amount**

- | | | |
|-----|---|---|
| (a) | Supply and install the Heat Recovery Ventilation Unit and controller to serve the Science Preparation Room as specified. | € |
| (b) | Supply and install the ductwork complete with foil back insulation and accessories serving the Science Preparation Room as specified. | € |
| (c) | Supply and Install the Supply diffusers and extract grilles as specified | € |
| (d) | Supply and install swan neck intake louvers & supply diffuser serving the Science Preparation Room as specified. | € |
| (e) | Supply and install roof mounted intake and exhaust ducts with swan neck and bird mesh serving the Science Preparation Room HRV unit as specified. | € |
| (f) | Allow for Testing, Commissioning and Certification of the new HRV ventilation system. | € |
| (g) | Allow for client staff training and demonstration on the ventilation system and controls | € |
| (h) | Allow for any miscellaneous costs in relation to the Heat Recovery Ventilation System upgrade not taken for elsewhere (tenderer to provide details below) | € |

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Sub-total for Section B57-1	€
Carried forward to Summary Section C	

B57-2 Woodwork Room Air Filtration System **Amount**

- | | | |
|-----|--|---|
| (a) | Supply and install the Ceiling Mounted Record AC400 Dust Extraction Air Filtration Units in the Woodwork Room as specified.. | € |
| (b) | Allow for Testing, Commissioning and Certification of the new ventilation system. | € |
| (c) | Allow for client staff training and demonstration on the ventilation system and controls | € |
| (d) | Allow for any miscellaneous costs in relation to the Woodwork Room Air Filtration System upgrade not taken for elsewhere (tenderer to provide details below) | € |

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Sub-total for Section B557-2

€

Carried forward to Summary Section C

1.3 Section C: Summary

	€uro
Sub-Total Section A Preliminaries:	€
Sub-Total Section B50 General	€
Sub-Total Section B52 Soils & Drainage Services	€
Sub-Total Section B53 Water Services	€
Sub-Total Section B56-1 Woodwork Room Space Heating	€
Sub-Total Section B56-2 Extension Classrooms Space Heating	€
Sub-Total Section B56-3 Science & Prep Rooms Space Heating	€
Sub-Total Section B56-4 Technology Room Space Heating	€
Sub-Total Section B57-1 Science Prep Room HR Ventilation Services	€
Sub-Total Section B57-2 Woodwork Room Air Filtration Services	€
	<hr/>
Nett Tender Sum (Forward to Main Pricing Document)	€
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VAT Analysis:-	
VAT @ 13 ½ % on €	€
VAT @ 23% on €	€
Total VAT	€
	<hr/>
Total Tender Amount Inclusive of VAT	€
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Signed :For and on behalf of

Name :PositionDate.....

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
Ventilation	
Air Filtration	
Controls	

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
Radiators	Merriott		
HRV Unit	Daiken		
Air Filtration	Record		

6.0 Schedule of Alternative Materials and/or Methods

This schedule should indicate any alternative materials and/or methods of installation that could produce cost savings and/or reduction in the period required for execution of all or part of the works.

Ref.	Item	Cost Saving or Other Advantage