

TME Services

Mechanical and Electrical Building Services Consulting Engineers
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Drumlease Rd., Dromahair, Co. Leitrim

**Proposed Extension to St. Edwards NS
Ballytivnan, Sligo.**

Schedule of Prices for the Mechanical Services Installation

Notes:-

All items must be filled in! Any item not filled will be deemed to be included in the tender makeup.
Under no circumstances shall any item be deemed excluded and as a result the item shall be assumed to be included in the tender summary.

This documentation must be read in conjunction with the specification on the drawings and will form part of the contract documents.

Failure to return this document fully filled out and signed by the proposed sub-contractor shall deem the overall tender for the main contractor invalid. Therefore the tender will be excluded for consideration.

	Proposed Extension to St. Edwards NS Ballytivnan, Sligo.		
	Schedule of Prices for the Mechanical Services Installation		
Item			Amount in Euro
GENERAL ITEMS			
1	Provide for insurance in accordance with the General Condition of Contract as outlined in the main contractors bill. This contract shall be a domestic sub-contract to the main contractor.		
2	Amount for marking out all builders works necessary to carry out the works. Include for co-ordinating with the hollow-core specialist and agreeing all opes to be cast in the floor slabs.		
3	Provide for shop drawings.		
4	Provide for record drawings		
5	Amount for assisting the electrical contractor in the installation of all necessary electrical works associated with the heating contract.		
6	Provide for instruction of clients staff in use of apparatus.		
7	Provide for ladders, tools, etc.		
8	Provide for keeping site clear of rubbish at all times.		
9	Provide for maintaining a competent foreman on site.		
10	Amount for programming same		
11	Amount for complying fully with Safety, Health, Welfare & Environmental Issues, 2005 act.		
12	Provide for maintaining portable type fire extinguishers on site during the course of the works.		
13	Provide for all tests as specified.		
14	Amount for complying with the HSA Code of Practice for the Design and Installation of Anchors including have a design carried out by a chartered Engineer, signed off by the appropriate manufacture of the anchor and correct installation. This shall include for the filling in and signing of the FM01 to 03 forms.		

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<u>Item</u>			<u>Amount in Euro</u>
<u>GENERAL ITEMS</u>			
	Amount for any other item not included in the above, but which in the opinion of the contractor tendering is necessary for the		
15	satisfactory completion of the contract. (Give Details)		
	TOTAL FOR GENERAL ITEMS		

Proposed Extension to St. Edwards NS		
Ballytivnan, Sligo.		
Schedule of Prices for the Mechanical Services Installation		
Item		Amount in Euro
ELEMENT (52) : DRAINAGE AND REFUGE DISPOSAL		
1	Amount for the supply and installation of the soils and waste for the sanitary indicated on the drawings	
2	Amount for the supply and installation of all traps for wash hand basins, sink, etc., (traps to be deep seal type).	
3	Amount for connecting all 100 mm diam. soil pipes on ground floor to the builders drain pipe at floor level.	
4	Amount for the supply and installation of multiwicks fitted to each of the WC's as indicated on the drawings.	
5	Amount for connecting all 32 mm diam. waste pipes to w.h.b's.	
6	Amount for inspection and testing as specified.	
7	Amount for any other item not included in the above but which in the opinion of the contractor tendering is necessary for the satisfactory completion of the contract. (Give Details)	
TOTAL FOR ELEMENT (52) : DRAINAGE & REFUSE DISPOSAL		
(Carried Forward to Summary)		

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<u>Item</u>			<u>Amount in Euro</u>
	<u>ELEMENT (53) : HOT AND COLD WATER SERVICES</u>		
	Amount for the supply and installation of thermostatic blending valves for the WHBs. Each of the valves are to have both TMV3 and 1 WRAS approval. The valve shall be rated for operation at 0.2Bar.	3 Nr.	
	Amount for the supply and installation of 1/4 turn isolation valves 3 for each item of sanitary ware. Ball-o-fix or similar.		
	Amount for the supply of the Sanitary ware as indicated on the 4 drawings. Sanitary ware to be supplied by the main contractor.		
	Amount for the supply and installation of push button taps. The taps shall be as Delabie Tempostop (Irish agents Forde Hydrosafe 045-5 446772). Each of the taps shall be rated for 4 l/min @ 0.3Bar.		
	Amount for extending the cold & Mains water supplies back to the boilerhouse as indicated. Include for connecting into the incoming mains water in the boilerhouse and the cold water storage tank in 6 the attic above.		
	Amount for the supply and installation of the 2 Nr. water heater as 8 specified and as indicated.		
	10 Litre undersink heat in the classrooms		
	5 litre high level cistern type heater in the disabled WC.		
	9 Amount for pipe supports, supplied and installed.		
	10 Amount for pipe supports, supplied and installed.		
	11 Amount for all control valves, supplied and installed.		
	12 Amount for all stopcocks, supplied and installed.		
	13 Amount for all necessary pipe sleeves supplied and installed.		
	14 Amount for wall and floor plates supplied and installed.		

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Item		Amount in Euro
ELEMENT (53) : HOT AND COLD WATER SERVICES		
15	Amount for all pipework as indicated on the drawings carried out in Mapress Copper tubing or similar approved. Including all brackets, etc.	
16	Amount for the supply and installation of 25mm foil back insulated fitted to all pipework on the drawing.	
17	Amount for the supply and installation of a single impeller water booster pump as Grundfos Scala2 3-45 as indicated on the drawings.	
18	Amount for the supply and installation of the sanitary ware as indicated and as specified.	
19	Amount for any other item not included in the above, but which in the opinion of the contractor tendering is necessary for the satisfactory completion of the contract. (Give Details)	
TOTAL FOR ELEMENT (53) : HOT AND COLD WATER		

	Proposed Extension to St. Edwards NS Ballytivnan, Sligo.		
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Item			Amount in Euro
ELEMENT (56) : SPACE HEATING INSTALLATION			
1	Amount for the supply and installation of the heating pipework as indicated on the drawings. The pipework is to be carried out in screwed carbon steel.		
2	Amount for the supply and installation of the radiators as indicated the drawings. The radiators shall be constructed with 1.5mm steel and be tubular in construction. The radiators shall be as Merriott Precision Range or similar approved.		
3	Amount for drain cocks and air vents, as specified, supplied and installed.		
4	Amount for the supply and installation of standard radiator valves as indicated.		
6	Amount for the supply and installation of the TRVs valves on each of the radiators with the radiators being used as end of line circuits.		
7	Amount for the supply and installation of PIC valves and commissioning set on the branch connections to the room as indicated. Shall be as Oventrop Cocoon range and shall be supplied complete with orifice plate for flowrate measurement.		
8	Amount for the supply and installation of the non-tamper room stats as specified on the drawings.		
9	Amount for insulating all concealed pipework with in the installation with 25mm rigid section foil backed fibre glass insulation.		
10	Amount for the commissioning and balancing of the all the radiators as indicated on the drawings.		
11	Amount for the supply and installation of the heating circulating pumps as specified. Shall be as Grundfos or similar approved. Grundfos Magna3 28-100		
12	Amount for the supply and installation of a new 3-port weather compensating mixing valve.		
	Include for pipe mounted immersion temp sensor and external sensor.		

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Item			Amount in Euro
	ELEMENT (56) : SPACE HEATING INSTALLATION		
	Also include for weather compensator mounted in the existing BMS panel.		
	Amount for amending the existing BMS panel to serve the extension.		
13	It shall have the following components.		
	Pic Valves	7 Nr.	
	Room stats	7 Nr.	
	Fault signals from MVHR units	5 Nr.	
	Power supply to circulating pump	1-ph supply	
	run signal		
	Fault signal		
	F&R pipe temp sensors	immersion temp sensor	
	Include for the supply and installation of hand-off-auto switches.		
	Amount for taking the water harness of the system and applying the appropriate treatment to the system to mitigate against lime scale build up within the boiler unit.		
14			
	Amount for adding new 100 litre vessel o the existing heating system to cater for the additional water load on the system.		
15			
	Amount for flushing the new circuits as specified to remove all debris from the system. This work is to be carried out by a specialist contractor.		
16			
	Amount for flushing the new circuits as specified to remove all debris from the system.		
17			
	Amount for commissioning, as specified.		
18			
	Amount for labelling all boiler house equipment valves etc., as specified.		
19			
	Amount for all boiler house tests as specified.		
20			
	Amount for all painting, as specified.		
21			

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Schedule of Prices for the Mechanical Services Installation		
Item		Amount in Euro
ELEMENT (56) : SPACE HEATING INSTALLATION		
22	Amount for any other item not included in the above, but which in the opinion of the contractor tendering is necessary for the satisfactory completion of the contract. (Give Details)	
TOTAL FOR ELEMENT (56) : HEATING SERVICES		
(Carried Forward to Summary)		

Proposed Extension to St. Edwards NS Ballytivnan, Sligo.			
Schedule of Prices for the Mechanical Services Installation			
Item			Amount in Euro
ELEMENT (57) : VENTILATION AND AIR CONDITIONING			
1	Amount for the supply and installation of the extract fans in the WC's as indicated. The fans shall be as Vortice Aeritt LL range.	3 Nr.	
2	Amount for the supply and installation of external vents associated with the extract fans.	4 Nr.	
3	Amount for the supply and installation for the MVHR unit to serve the classrooms. The unit shall be as follows: Swegon Compact Air Size 02 c/w 1.2kW electric heater battery Swegon Compact Air Size 03 c/w 1.2kW electric heater battery The units shall be complete with wall controller and BMS backnet/ModBus interface. The unit shall be as supplied by Versatile Ltd. Navan.	4 Nr. 1 Nr.	
4	Amount for the supply and installation of the air intake and exhaust air vent unit. The vent unit shall be as Swegon TBHF. And shall be as supplied by Versatile Ltd., Navan.	2 Nr.	
5	Amount for the supply and installation of the 300x500 fixed liner bar return air grille to serve the aforementioned MVHR units.	5 Nr.	
6	Amount for the supply and installation of the ductwork associated with the MVHR units. The ductwork shall be carried out in accordance with DW144 and shall be mainly in 250mm spiro ducting.		
7	Amount for insulating the aforementioned ductwork in 25mm foil back quilt insulation.		
8	Amount for the supply and installation of mushroom vented mounts on the roof to serve the MVHR ductwork as indicated. The mushroom vents shall be capable of accepting a 250mm intake duct.		
9	Amount for carrying an air balancing and measurement on the ducting systems.		
10	Amount for testing of all systems as specified.		
11	Amount for starting up of plant as specified.		
12	Amount for balancing and Commissioning of ventilation systems, and		

Item		Amount in Euro
ELEMENT (57) : VENTILATION AND AIR CONDITIONING		
13	Amount for testing air tightness of all plant , plenums and all ductwork,	
14	Amount for insulating all supply ductwork associated with the MVHR systems in Class O 25mm foil back fibre glass insulation.	
15	Amount for commissioning.	
16	Amount for testing.	
17	Amount for labelling.	
18	Amount for painting.	
19	Amount for any other item not included in the above, but which in the opinion of the contractor tendering is necessary for the satisfactory completion of the contract. (Give Details)	
TOTAL FOR ELEMENT (57) : VENTILATION SERVICES €		
(Carried Forward to Summary)		

Proposed Extension to St. Edwards NS		
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Schedule of Prices for the Mechanical Services Installation		
<u>SUMMARY FORM OF TENDER</u>		
<u>Item</u>		<u>Amount in Euro</u>
<u>SECTION</u>		
GENERAL		
ELEMENT (52)	ABOVE GROUND SOIL AND WASTES	
ELEMENT (53)	WATER SERVICES	
ELEMENT (56)	SPACE HEATING SERVICES	
ELEMENT (57)	VENTILATION AND AIR CONDITIONING	
NETT AMOUNT OF TENDER excluding Vat and MCD		
Name		
Address		
Date:		