

<b>T2.12 RECORD OF ADDENDA TO TENDER DOCUMENTS</b>			
<b>Project title:</b>	<b>Church of Scotland Hospital - Installation of hot water storage tanks and heat pumps</b>		
<b>Tender no:</b>	<b>ZNB9014/2023-H</b>	<b>Project Code:</b>	<b>0</b>

The undersigned confirm that the following communications received from the employer before the submission of this tender offer, amending the tender documents, have been taken into account in this tender offer:

	<b>Date</b>	<b>Title or Details</b>	<b>No. of Pages</b>
1	2023-04-13	Note the amended BOQ and quote on it	1
2	2023-04-13	Thickness of the tank is not specified	
3	2023-04-13	Measurable items will be re-measured	
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Attach Additional Pages if more space is required

If it is found that the Tenderer has failed to incorporate any addendum into their tender document, the tender will be deemed non-responsive

<b>Signed</b>		<b>Date</b>	
<b>Name</b>		<b>Position</b>	
<b>Tenderer</b>			

2NB 9014/2023-H.

Description	Unit	Qty	Rate	Amount
<b>BILL NO. 1</b>				
<b>PLANT ROOMS</b>				
<i>Tenderers are to refer to the Model Preambles for Trades (Latest Edition) and Supplementary Preambles for further description and implication of work in this</i>				
<b>Remove Existing Hot water tanks</b>				
Disconnect all services from redundant equipment or equipment to be replaced:				
• Cut and blank off water supply piping	Item	1		
• Take / move hot water tanks to a designated area	No	6		
• Clean and apply epoxy on the entire floor	m2	65		
• Rigging and lifting	No	6		
• Remove the old inline heater	No	1		
<b>New Non-corrosive, Non pressurised Hot water tanks</b>				
Supply, deliver and install Non-corrosive, non-pressurised hot water tanks complete with suitable insulation and cladding				
• 6000 L	No	3		
<b>New Heat Pumps</b>				
Supply, deliver and install new air to water heat pumps (heating water to a temperature of 60°C complete with accessories				
• 140 KW	No	2		
• Reconstruct / make a suitable size plinth	No	2		
• hot water return pumps	No	2		
• Circulation pumps Grundfos or other approved	No	2		
• 4 bar Booster pump (from storage to buildings)	No	1		
• 3 bar Booster pump (along the water line)	No	1		
<b>Water treatment plant</b>				
Supply, deliver and install a suitable water treatment plant for the tanks	No	1		
Supply water treatment chemicals to last for 1 month	No	1		
<b>Piping</b>				
All pipework interconnection between tank and heat pumps to be fitted with lagging as specified, including PVC drains to nearest drainage point. Include piping between non-corrosive, non-pressurised hot water storage tanks Vessels and heat pumps.				
• supply, deliver and install complete piping Mepla or other approved, fittings, elbows, reducers etc.	Item	1		
<b>Insulation</b>				
• supply, deliver and install k-flex or other approved over Hot Water Piping insulation, including all necessary accessories as specified, with a minimum R value of 0.80 (M_2 K/W), lagged with 0.5mm Galvanised sheeting.	Item	1		
• Non return valves, inline strainers, ball valves etc	Item	1		
<b>Electrical connection and wiring</b>				
• Supply, deliver and install the electrical control and suitable switchgear panel with the contactor(s), circuit breakers, Fuses, Warning lights & alarms, Phase rotation protection, Toggle switches and IP 65 isolator(s) including all electrical & control wiring, cable trays, conduit (Bossal type or other approved) saddles, brackets, fittings and all necessary accessories	Item	1		
<b>Commissioning and Optimization</b>				
• Plumbing and Electrical COC.	Item	1		
<b>Training</b>				
• Provide training to operators and maintenance personnel	Item	1		
<b>Deliverables</b>				
Provide:				
• 1-Year Maintenance for both scheduled & unscheduled works (to cover the 12 month retention period)	Item	1		
• Operating and maintenance manuals in English (1 soft copy and 3 hard copies)	Item	1		
• Installation certificate of conformity signed by the OEM trained installer	Item	1		
TOTAL				
Carried to summary page				