Т		2.12 RECORD OF ADDEND	A TO TE	NDER DOC	JMENTS		
Project title:		RK Khan hospital - Replace	Steam Dep	pendant Equip	ment with Electrical		
Tender no:		ZNB9015/2023-H		Project Code:	0		
sut	e undersigned omission of this der offer:	confirm that the following communions tender offer, amending the tender	cations recei documents,	ved from the en have been take	oployer before the n into account in this		
	Date	Title or Details			No. of Pages		
1	2023-04-13	Note the amended BOQ and quote on it			3		
2	2023-04-13	Thickness of the tank is not specified					
3	2023-04-13	Measurable items will be re-measured					
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
Atta	ich Additional P	ages if more space is required					
If it		he Tenderer has failed to incorporate	any addend	um into their ten	der document, the tender		
Signed			Date	·			
Nar	ne		Position	·			

Tenderer

ZNB 9015 2023-H.

item No	Description	Unit	Qty	Rate	Amount		
1	BILL NO. 1						
	<u>PLANT ROOMS</u>						
	Tenderers are to refer to the Model Preambles for Trades (Latest Edition) and Supplementary Preambles for further description and implication of work in this						
1.1	Section Remove Existing Hot water tanks	,			1		
1.1	Disconnect all services from redundant equipment or equipment to be replaced:	 					
1.1.1	Cut and blank off steam & water supply piping	No	4				
1.1.2	Take / move hot water tanks to a designated area	No	4				
1.1.3	• Rigging and lifting	No	1				
1.2	Remove Existing Heat Exchangers						
4.0.4	Disconnect all services from redundant equipment or equipment to be replaced:						
1.2.1	Cut and blank off steam & water supply piping	No	3				
1.2.2	Take / move heat exchangers to a designated area Rigging and lifting	No No	3				
1.3	New Non- corrosive, Non pressured Hot water tanks	IND					
	Supply, deliver and install Non-corrosive, non-pressurised hot water tanks complete with sultable insulation and cladding (The tank wall thickness is unspecified).						
1.3.1	■ 2000 L	No	1				
1.3.2	• 10 000 L	No	2				
1.3.3	• 12 000 L	No	1				
1.3.4	Reconstruct / make a suitable size plinth New Heat Pumps	No	4				
1.4	new neat rumps						
	Supply, deliver and install new air to water heat pumps (heating water to a temperature of						
	60°C complete with accessories (Non return valves, Inline strainers, ball valves etc.)						
1.4.1	• 20 KW	Nο	2				
1.4.2	• 50 KW	No	6				
1.4.3	- 68 KW	No	3				
1.4.4	Reconstruct / make a suitable size plinth in a suitable area hot water return pumps	No	11 4				
1.4.6	Circulation pumps Grundfos or other approved	No.	11				
1.4.7	-3 bar Booster pump (from storage to buildings)	No.	1				
1.5	Piping						
	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.						
1.5.1	 supply, deliver and install complete Mepla piping or other approved, fittings, elbows, reducers etc. 	Item	1				
1.6	Insulation						
1.6.1	 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				
1.7	Electrical connection and wiring						
1.7.1	"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.	ltern	1				
1.8	Commissioning and Optimization						
1.8.1	Plumbing and Electrical COC.	item	- 1				
1.9	Training						
1.10	Provide training to operators and maintenance personnel Boiler Decommisioning	Item	1		-		
1.10.1	Decommision Paraffin boiler and its ancilliaries	No	2				
1.11	Deliverables	140			 		
	Provide:						
1.11.1	 1-Year Maintenance for both scheduled & unscheduled works (to cover the 12 month retention period) 	ltem	1 =				
1.11.2	Operating and maintenance manuals in English (1 soft copy and 3 hard copies)	No	4				
1.11.3	 Installation certificate of conformity signed by the OEM trained Installer 	No	. 4				
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	Item No	Description	Unit	Qty	Rate	Amount
Disconnect all services from steam or equipment to be replaced: 2.1.1	2	BILL NO. 2				
2.1.1 Steam supply and blank off 2.1.2 Other ancilliary equipment/services Item 3 2.1.3 Move / put to a designated area No 3 2.1.4 Move / put to a designated area No 3 2.2. New electrical pots Supply, deliver and install new electrical pots and connect services to new equipment equipment 2.2.1 20 L steam jacketed pot No 1 2.2.2 2 2 250 L steam jacketed pot No 1 2.3.1 Electrical pots to electricity 2.3.1 Electrical supply with IP65 isolator to DB Item 3 2.3.2 Other ancilliary equipment/services Item 1 2.4 Commissioning and Optimization 2.5 Training 2.5.1 Provide training to operators and maintenance personnel Item 1 2.6 Deliverables Provide: 2.6.1 *1-Year Maintenance for both scheduled & unscheduled works (to cover the 12 month retention period) 2.6.3 *Installation certificate of conformity signed by the OEM trained installer Item 1 Item 1 Item 1 Item 1	2.1	Remove existing pots				
2.1.2 Other ancilliary equipment/services ltem 3 2.1.3 • Move / put to a designated area No 3 2.2 New electrical pots Supply, deliver and install new electrical pots and connect services to new equipment 2.2.1 • 200 L steam jacketed pot No 1 2.2.2 • 250 L steam jacketed pot No 1 2.3. Connect electrical pots to electricity 2.3.1 • Electrical supply with IP65 isolator to DB Item 3 2.3.2 • Other ancilliary equipment/services Item 1 2.4 Commissioning and Optimization 2.5 Training 2.5.1 • Provide training to operators and maintenance personnel Item 1 2.6 Deliverables Provide: 3		Disconnect all services from steam or equipment to be replaced:				Ï
2.1.3	2.1.1	Steam supply and blank off	No	3		
2.2 New electrical pots Supply, deliver and install new electrical pots and connect services to new equipment 2.2.1	2.1.2	Other ancilliary equipment/services	Item	3		
Supply, deliver and install new electrical pots and connect services to new equipment 2.2.1	2.1.3	Move / put to a designated area	Nο	3		
equipment 2.2.1	2.2		L			-
2.2.2						
2.3 Connect electrical pots to electricity 2.3.1 • Electrical supply with IP65 isolator to DB Item 3 2.3.2 • Other ancilliary equipment/services Item 1 2.4 Commissioning and Optimization 2.5 Training 2.5.1 • Provide training to operators and maintenance personnel Item 1 2.6 Deliverables Provide: 1-Year Maintenance for both scheduled & unscheduled works (to cover the 12 month retention period) Item 3 2.6.2 • Drawings, Operating and maintenance manuals in English (1 soft copy and 3 hard copies) Item 1 2.6.3 • Installation certificate of conformity signed by the OEM trained installer 1	2.2.1	= 200 L steam jacketed pot	No	2		
2.3.1 • Electrical supply with IP65 isolator to DB 2.3.2 • Other ancilliary equipment/services Item 1 2.4 Commissioning and Optimization	2.2.2	= 250 L steam jacketed pot	No	1		1
2.3.2 *Other ancilliary equipment/services Item 1 2.4 Commissioning and Optimization 2.5 Training 2.5.1 * Provide training to operators and maintenance personnel Item 1 2.6 Deliverables 2.6.1 * Provide: 2.6.1 * I-Year Maintenance for both scheduled & unscheduled works (to cover the 12 month retention period) Item 3 2.6.2 * Drawings, Operating and maintenance manuals in English (1 soft copy and 3 hard copies) Item 1 2.6.3 * Installation certificate of conformity signed by the OEM trained installer 1	2.3	Connect electrical pots to electricity				
2.4 Commissioning and Optimization 2.5 Training 2.5.1 • Provide training to operators and maintenance personnel ltem 1 2.6 Deliverables Provide: 2.6.1 • 1-Year Maintenance for both scheduled & unscheduled works (to cover the 12 month retention period) 2.6.2 • Drawings, Operating and maintenance manuals in English (1 soft copy and 3 hard copies) 1 Item 1 Ite	2.3.1	■ Electrical supply with IP65 isolator to DB	ltem .	3		
2.5 Training 2.5.1 • Provide training to operators and maintenance personnel ltem 1 2.6 Deliverables Provide: 2.6.1 • 1-Year Maintenance for both scheduled & unscheduled works (to cover the 12 month retention period) 2.6.2 • Deliverables Provide: 2.6.3 • Installation certificate of conformity signed by the OEM trained installer 1 ltem 1 1 ltem 1	2.3.2	Other ancilliary equipment/services	Item	1		
2.5.1 Provide training to operators and maintenance personnel Item 1 2.6 Deliverables Provide: 2.6.1 1-Year Maintenance for both scheduled & unscheduled works (to cover the 12 month retention period) Item 3 2.6.2 Drawings, Operating and maintenance manuals in English (1 soft copy and 3 hard copies) Item 1 2.6.3 Installation certificate of conformity signed by the OEM trained Installer Item 1	2.4	Commissioning and Optimization				
2.6. Deliverables Provide: 2.6.1 *1-Year Maintenance for both scheduled & unscheduled works (to cover the 12 month retention period) 2.6.2 * Drawings, Operating and maintenance manuals in English (1 soft copy and 3 hard copies) 2.6.3 *Installation certificate of conformity signed by the OEM trained installer 1 Item 1 I	2.5	Training				
Provide: 2.6.1	2.5.1	Provide training to operators and maintenance personnel	Item	1		
1-Year Maintenance for both scheduled & unscheduled works (to cover the 12 month retention period) 2.6.2 Drawings, Operating and maintenance manuals in English (1 soft copy and 3 hard copies) 1 Item 1 I	2.6	<u>Deliverables</u>				
the 12 month retention period) 2.6.2 Drawings, Operating and maintenance manuals in English (1 soft copy and 3 hard copies) 1 Item 1 1 Item 1 1 Item 1		Provide:				· · · · · ·
2.6.2 3 hard copies) Item 1 2.6.3 Installation certificate of conformity signed by the OEM trained installer Item 1	2.6.1	l '	Item	3		
2.6.3 Item 1	2.6.2	* Drawings, Operating and maintenance manuals in English (1 soft copy and	Item	1		
Carried to summary page	2.6.3	Installation certificate of conformity signed by the OEM trained installer	Item	1		
		Carried to summary page			-	

Item No	Description	Unit	Qty	Rate	Amount
3	BILL NO. 3				-U-
3.1	Removal of existing machines				
	Disconnect all services from steam equipment or equipment to be replaced and				
	blank off:				
3.1.1	• 55 Kg speed queen dryer	No	1		
3.1.2	57 Kg Girbau washer extractor	No	1		
3.1.3	 Take / move machines to a designated area 	No	2		
3.1.4	Rigging and lifting	No	2		
3.2	New machines		_		
5.6	Supply, deliver and install new electrical machines				
3.2.1	a) 125kg electric dryer OR	Na	1		
3-4-4	b) = 55Kg electric dryer	No No	2		
3.2.2	• 57Kg washer extractor	No	1		
3,2,2	57/kg Washer extractor	NO	1		
3.3	Connect electricity machines to electricity				
3.3.1	Electrical supply with IP65 isolator to DB	Item	2		
3.3.2	Other ancillary equipment/services	Item	2		
3.4.1	• Electrical CoC	Item	1		
3.5	Training				
3.5.1	Provide training to operators and maintenance personnel		1		
3.3.1	Fromde training to operators and maintenance personner	Item	1		
3.6	Deliverables				
	Provide:				
	1-Year Maintenance for both scheduled & unscheduled works (to cover the 12	Item	2		
3.6.2	Drawings, Operating and maintenance manuals in English (1 soft copy and 3 hard	No	2		
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Item No		Description		Amount
1	BILL NO. 1:	SUPPLY INSTALL AND COMMISSION 24 x PLANT ROOM QUIPMENT		
2	BILL NO. 2	SUPPLY INSTALL AND COMMISSION 3 x KITCHEN EQUIPMENT		
3	BILL NO. 3	SUPPLY INSTALL AND COMMISSION 3 or 4 x LAUNDRY EQUIPMENT		
			SUB-TOTAL 1	
	ADD	Provisional Sum (Add contingency, modification and making good Building works, other)		
			P&Gs	
			SUB-TOTAL 2	
	ADD		15% VAT	
		GRAND TOTAL		je