

BILL OF QUANTITY (BQ) AND SCOPE OF WORK

UNIT/TEAM : PPM TEAM

REF NO: DBSB/PROC/KTN/2024/RFQ-001

ANNUAL SHUTDOWN & REPAIRING CHILLER NO.4 AT KULLIYAH OF MEDICINE, IUM KUANTAN CAMPUS.

ITEM	DESCRIPTIONS	UNIT PRICE (RM)
1	Total AMOUNT PRELIMINARIES	
2	Total AMOUNT PAGE 2	
TOTAL AMOUNT (RM)		

This is **All Fixed Sum Contract** based on site condition, drawing, specifications and schedule of rate. This bill of quantities and/or materials take off that may accompany or form part of the contract documents shall act as a guide for claim ONLY.

Remarks: The tendered price in this RFQ ref no.: DBSB/KUANTAN/RFQ will be valid for 6 months after tender closing date.

WARRANTY PERIOD : _____ months

ESTIMATE DAYS FOR TOTAL INSTALLATION FINISH : _____ days

RINGGIT MALAYSIA:

I hereby certify that all descriptions are correct and all the offered price included the costs involved in

Signature of Tenderer :

Signature of Witness :

.....
Name:

.....
Name:

Designation:

Designation:

Date:

Date:

Company Stamp :

Company Stamp :

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ITEM	DESCRIPTION	UNIT	QTY	UNIT PRICE (MYR)	TOTAL PRICE (MYR)
1.0	<u>Preliminaries Works</u>				
A	Mobilization and demobilization of personnel, equipment, support facilities and materials equipment, support facilities and materials	L/S			
B	Apply PTW(Permit To Work) details and worker pass by liaise with related authorities for reporting procedure before start the works.	L/S			
C	Site Preparation of equipment, material, labour, and transportation.	L/S			
D	Contractor should obtain the following guideline before and after works : i) Obtain valid pass for workers at DBSB office before starting the work and always display the pass during working hour. Complete the works within agreed time frame by DBSB. ii) Workers should comply with the safety regulations and guideline imposed by Safety and Health Department of DBSB. Wearing suitable PPE equipment and uniform is compulsory. iv) Contractor should store the machineries in proper space during rest time and after working hours v) To ensure all debris to be transported outside IIUM Kuantan Campus and makegood of IIUM properties if any.	L/S			
TOTAL AMOUNT PRELIMINARIES (RM)					

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ANNUAL SHUTDOWN & REPAIRING CHILLER NO.4 AT KULLIYAH OF MEDICINE, IUM KUANTAN CAMPUS.

ITEM	DESCRIPTION	UNIT	QTY	UNIT PRICE (MYR)	TOTAL PRICE (MYR)
2.0	<u>Repairing works for Duham-Bush chiller No. 4 (MODEL: WCFX 48) at Kulliyah of Medicine:</u>				
A	To supply and replace ball valve 1-5/8" for compressor 1.	unit	1		
B	To supply and replace Liquid level Sensor.	unit	1		
C	To supply and replace panel controller chiller with DBGX Display Controller and PCO Controller complete with reprograming the system.	unit	1		
D	To supply and replace 3/8" solenoid valve.	unit	9		
E	To supply and replace 1/2" service valve at liquid line evaporator and condenser	unit	2		
F	To supply and recharge refrigerant R134a	Kg	120		
G	Labour charge replace spare parts, recover refrigerant, nitrogen pressure test, brazing works, leak test, vaccum whole system, recharge refrigerant, testing and commissioning, fine tune, monitoring unit, transportation, accommodations.	Lot	1		
3.0	<u>Annual Shutdown for Duham-Bush chiller No. 4 (MODEL: WCFX 48) at Kulliyah of Medicine:</u>				
	Compressor Oil And Filter Core Change				
A	To Supply DHB-021 compressor oil	Lot	1		
B	To supply filter core DRIER SH 48-A	Lot	1		
C	To supply 1 lot of gasket for cooler and condensor water box	Lot	1		
D	To supply labour and equipment to change compressor oil and filter core	Lot	1		
E	Descaling Chemical for Condenser Vessel To isolate condenser pipe hand valve and perform circulate chemical through condenser tube by using chemical circulation pump, flush with neutral chemical and clean water thereafter	Lot	1		
F	Cooler Vessel Tubes Cleaning				

<p>G</p> <p>Condenser Vessel Tubes Cleaning</p> <p>4.0 Testing and Commissioning</p> <p>5.0 Warranty</p>	<p>To supply labour, hoisting tools and materials to dismantle water box head to clean through cooler tubes, flushing the tubes, replace new gasket, repaste insulation and install back water box for all chiller</p> <p>To supply labour, hoisting tools and materials to dismantle water box head, to clean through condenser tubes, flushing the tubes, replace new gasket and install back water box for all chiller</p> <p>Internal endurance testing all of mechanical and electrical works including re-setting if required. (within 3 days)</p> <p>External testing and commissioning all replacement of mechanical and electrical works with Authorities (Client)</p> <p>The minimum warranty period is six (6) months from the completion date. However the contractor can provide a longer warranty period. Please Specify.</p>	<p>Lot</p> <p>Lot</p> <p>Lot</p> <p>Lot</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p>		
TOTAL AMOUNT PAGE 2/2					