

TENDER REF. NO.: KK/150/2026/SSBH

**MINISTRY OF HEALTH
NEGARA BRUNEI DARUSSALAM**

**REPLACEMENT OF 6 NO OF CHILLED WATER AIR-
HANDLING UNITS C/W ASSOCIATED COMPONENTS AT
SURI SERI BEGAWAN HOSPITAL, KUALA BELAIT**

TENDER FEE : \$30.00

RECEIPT NO. :

CLOSING DATE : ON TUESDAY, 04th AUGUST 2026

TIME : 2.00 PM

FOA :

**THE CHAIRMAN
MINI TENDER BOARD, TENDER BOX
GROUND FLOOR, MINISTRY OF HEALTH
COMMONWEALTH DRIVE
BANDAR SERI BEGAWAN BB3910
NEGARA BRUNEI DARUSSALAM**

[CLUSTERING]

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**REPLACEMENT OF 6 NO. OF CHILLED WATER AIR-HANDLING UNITS C/W ASSOCIATED
COMPONENTS AT SURI SERI BEGAWAN HOSPITAL, KUALA BELAIT**

PARTICULAR SPECIFICATION

GENERAL

1. All the measurement to be carried out by the contractor. Measurements given herein are not to be taken as exact. Contractor shall be responsible for taking the actual and exact measurement prior to ordering materials. Contractor having submitted their prices are considered as having visited the site, verify all measurements and site conditions and having tendered their prices accordingly. No claims by the successful tendered will be entertained for extra payments for additional work they have been made to perform due to matters overlooked in the following description.
2. To Scope of Works in this Quotation shall comprise of dismantling, supply, deliver, installation, testing and commissioning.
3. The works shall be completed with all minor and incidental items necessary for the proper functioning of the whole system, though not specifically detailed or mentioned. Allowance shall be made in the Quotation price for duty, exchange sales tax and all similar charges.
4. All participating tenderer are required to specify air – conditioning brand and electrical appliances/instruments which is approved by the DES. Catalogues of the offered brand are to be submitted together during submission of the tender.
5. Air Conditioning installation must follow the guideline as below:
 - a. General Conditions of Contract Maintenance of Air Conditioning System June 1984. (D.E.S)
 - b. Guideline for the Scope of Works for Maintenance of Air Conditioning System. (D.E.S)
 - c. General Specifications for Air Conditioning Installations, December 1987. (D.E.S)
6. The quality workmanship and standard of works, materials and equipment execute under this contract must comply with the guidelines and regulations currently in force to compliance to other guidelines.
7. The works shall include the supply of all materials and all necessary labour for the proper completion of the installation in accordance to all requirements of all relevant authorities having jurisdiction over the works together with all incident work pertaining there to even though not specifically mentioned herein.
8. The successful contractor shall work in such manner as to provide the minimum disturbances and minimum inconvenience to the occupants / client. This means that the contractor may be required to stop working in a certain area time when instructed by S.O.
9. All the works on site shall be carried out with the cooperation of the Superintending Officer / Client. The Registered workers on site must wear proper identification badges and uniform – overall showing clearly the name of their Company as well suitable U.S. or British Standard safety shoes and safety helmet as when required.
10. Proper safety measures shall be taken by the contractor while dealing with switch board, welding / brazing equipment and pressure vessel on site must, care also must be taken during commencing works against any type of damages such as fire or whatever. The Contractor shall be made fully responsible for complete replacement of Air Handling units and any new parts in case of negligent to safety or carelessness which causes any damage within the installation period.

11. All the old equipment parts and waste removed from the site shall be removed from site to an approved dumping area promptly without further reminder and any additional cost to the Government of Negara Brunei Darussalam.
12. The Contractor shall not install any equipment / parts without prior approval from the Superintending Officer regarding quality / make / country of origin.
13. Before tendering all Tenderers shall visit the site and shall have taken into account all relevant aspect of works. No claim for adjustment to the contract price due to ignorance of the site conditions shall be entertained.

SCOPE OF WORKS

1. AIR-HANDLING UNIT

DISMANTLE AND REMOVE

To dismantle and remove the existing **Air-Handling Unit B-2-2, EG-1, G-G-1, F-G-1, AG-4 and AG-3** including all fittings, cable and accessories etc., and all unwanted materials / parts and rubbish shall be delivered to dumping area away from Hospital Suri Seri Begawan Compound. The Superintending Officer must be notified before delivering any parts / materials to dumping area.

2. SUPPLY AND INSTALL

i. Air-Handling Unit shall be of modular double skin type and shall consist of manufacturer built in belt driven fan, cooling coil with condensate drain pan, washable filters and spring isolators. The design and construction of the AHU shall comply to **Eurovent standard**. Access doors shall be fitted into the AHU Casing for access to all moving parts and for inspection and maintenance.

ii. Double Skin AHU Panel

AHU panel shall be assemble using mechanical fasteners such that each panel can be individually removed. The double skin AHU panel insulation material shall be using machine injected PU foam with minimum density 38 kg/m³ and panel thickness shall be **50 mm thk**. All joints in the casing are to be sealed with neoprene or durable foam plastic gaskets.

iii. Filter Section

AHU filter shall be washable panel filter with non-woven synthetic media. The panel filter shall have minimum thickness of 50 mm and efficiency class of G4. The filters shall come with factory built housing. Filters are to be tested in accordance with ASHRAE 52.1 or EN-779.

iv. Cooling Coil Section

The materials of AHU cooling coil shall be constructed using copper tube and aluminium fins. The cooling coil of the AHU shall be of six (6) tube rows deep as specified in the Bill of Quantity and air flow velocity not exceeding 2.5 m/s to achieve the required total cooling capacity at air on-coil/off coil temperature of 22°C/12°C and chilled water leaving and entering temperature of 12°C/6.7°C. Condensate drain pan shall be constructed from stainless steel material 1 mm thickness with dual slope. Selection procedure and capacity of the cooling coil shall be in accordance with **ARI Standard 410**.

v. Fan Section

Fan shall be capable of delivering the required air flow through the system and be selected to operate quietly and high efficiency. Fan shall be highly energy efficient Double Inlet Double Width (DIDW) belt driven Forward Curve centrifugal fan. Fan supplied shall be factory built in with V-belt drive with motor mounted on an adjustable mounting plate equipped with a means of accurately tensioning the drive belt. All impellers and fan shafts shall be statically and dynamically trim balance by the manufacturer. Fan air and sound performance shall be tested and certified in accordance with **AMCA 210-85** standard. All impellers and fan shafts are statically and dynamically trim balanced to **ISO 1940** and **AMCA 204/3-G4.5 standard**.

Fan motor shall be total enclosed fan cooled (TEFC), Class efficiency **IE2, IP55** protected and class F insulated squirrel cage induction motors. Fan-motor drive assembly is to be mounted on floating sub-base with anti-vibration spring isolators.

3. ELECTRICAL WORKS

To connect the existing power supply to the New Control panel of the new AIR-HANDLING UNIT. This shall include the installation of necessary materials or accessories for the successful of the above installation.

4. TESTING AND COMMISSIONING

All plants, equipment, system, control, etc. to match with original design criteria, will be fully tested and calibrated by the contractor to satisfy himself that the plants is capable of maintaining the specified requirements of a operating correctly and safely. In addition, such test and calibration will be carried out as required by the S.O. to show that the installation have been completed satisfactorily.

5. WARRANTY, MAINTENANCE & SERVICING

- a. The AHUs and associated work shall be covered with 12 months warranty during the period between Practical Completion and date of final handover to Estate Maintenance Section (EMS), Belait District. During the warranty period, the contractor shall be responsible for all costs involved in correcting faulty workmanship and materials supplied and installed and shall supply free of charge a spare parts labour to replace any defective components.
- b. All maintenance / servicing works shall be carried out monthly for a period of 12 months. All works carried out shall be properly recorded by means of servicing / maintenance sheet. Copies of record shall be forwarded to EMS after the job is completed. The Contractor shall inform EMS at least 3 days before commencing any servicing works.
- c. During the warranty period the contractor shall immediately attended to any breakdown without additional costs for any complaint or stoppages in the system reported by EMS and shall be recorded from time to time. The contractor shall provide a register and maintenance for the installation. The contractor shall also provide and maintain a record of all service, maintenance and repair works carried out in detail. Such record shall be prepared in duplicate and should be in a form of maintenance/repair sheet, with one copy to be retained by the government.
- d. During the period between Practical Completion and the date of final handover to Hospital maintenance, the contractor shall be responsible for all costs involved in correcting faulty workmanship and material supplied and installed and shall free of charge all spare parts and labor to replace any defective components.

6. CATALOGUES, SPECIFICATION

The contractor shall submit with his tender the catalogues and specifications of equipment offered with sufficient technical details to enable the general suitability of the system to be determined and must be approved first by the S.O. before commencement of work.

7. BASIC EQUIPMENT STANDARDS

All equipment and materials to be supplied and installed under this contract shall be of first grade design and manufacture and shall comply with the latest Brunei and Singapore Standard Specifications or in the absence of such standard to the latest British or Australia Standard Specifications. Samples of all equipment and accessories intended for use in this contract shall be submitted to S.O. for approval before placing orders.

Uniformity of equipment shall be maintained throughout the installation. Where manufactures are specified herein or in the drawing or described as follows they are intended to define acceptable standards of equipment. Tenderers may submit alternative equipment which shall be equal in every respect to the specified items.

8. OPERATING MAINTENANCE AND SERVICING INSTRUCTION

On completion of the contract work and not later than one month after the issue of the certificate of practical completion or the handing over of the works to the Government whichever is earlier, the contractor shall supply three (3) month sets of approved, neatly set out operation, maintenance and servicing instructions covering all equipment installed under this contract. The instruction shall also clearly indicate in correct sequence the operation and function of all equipment. This information shall be supplemented by all necessary piping plant layout drawings of reasonable scale.

9. COMPLETION TEST

When the completion test have been concluded successfully and the contractor has informed the S.O that the installation is ready for testing, each section of the installation will be required to operate within the specified limits of its rating either continuously or intermittently as may be required without failure of any kind for an approved period before certificate of practical completion of issued. Should any failure occur due to or rising from faulty materials or workmanship or otherwise sufficient to prevent the beneficial use of the installation, the completion test for a further approved period shall recommence after the contractor has remedied the cause of failure to the satisfaction of the S.O.

10. ACCEPTANCE TEST

The contractor shall provide all labor, material and equipment required for acceptance test as required by the S.O. which will verify the completion test results.

11. CERTIFICATE OF PRACTICAL COMPLETION

As soon as the works have been completed in accordance with the specification and have passed the test on completion, the S.O. will issue a certificate (hereinafter) called a "Certificate of Practical Completion" in which he shall certify the date on which the work have been completed and have passed the said test.

12. TRAINING

The contractor shall allow in his contract price the service of a competent personnel to instruct the Hospital Maintenance staff in the operation and maintenance of the installation and equipment for a period of one week during the initial operation of the system, subsequent to the issue of the certificate of practical completion or handling over of the works.

SPECIFICATION

The Tenderers shall provide catalogs etc. for full and complete information for the proposed/offered Air-Handling Unit together with the tender document.

A. Air-Handling Unit

Name of Manufacture	:	_____
Country of Origin	:	_____
Model No	:	_____
Capacity (kW)	:	_____
Overall Dimensions (LxHxW)	:	_____

SECTION 3

CONTENTS

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SCHEDULE A

SUMMARY OF TENDER

REPLACEMENT OF 6 NO OF CHILLED WATER AIR-HANDLING UNITS C/W ASSOCIATED COMPONENTS AT SURI SERI BEGAWAN HOSPITAL, KUALA BELAIT

ITEM NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT	
					\$	¢
A	DISMANTLE & REMOVAL OF EXISTING AIR-CONDITIONING EQUIPMENT					
	Supply manpower and tools for dismantle and removal of the following equipment inclusive delivery of dismantle items to the designated site as per S.O instruction.					
1.0	Existing Chilled Water AHUs – AHU/B2-2, AHU/EG-1, AHU/G-G-1, AHU/AG-3, AHU/AG-4 and AHU/F-G-1, c/w associated pipings, fittings, valves, cablings, brackets and other accessories.	6	LOT			
2.0	Existing AHU control panels c/w associated power cables, cable tray, conduits and other accessories	6	LOT			
3.0	Existing DDC control panels associated to all the existing AHUs field sensors, field devices, controllers, control panels, cabling and brackets.	6	LOT			
B	CHILLED WATER AIR HANDLING UNIT					
1.0	Supply and install chilled water AHU which consists of modular double skin type, belt driven fan with spring isolators, cooling coils and washable filters. AHU cooling coil shall be constructed from copper tubes and aluminum fins. The cooling coil of the AHU shall have air flow velocity not exceeding 2.5m/s. The double skin AHU panel shall be insulated using machine injected PU foam with minimum density of 38kg/m ³ and insulation thickness of 50mm thick. Fan shall be belt driven DIDW forward curve centrifugal fan type. Washable filter shall be 50mm thick G4 class with GI/AL steel frame. The cooling coil performance of the AHUs shall be EUROVENT certified . The offered AHU brand shall be approved by ABCi MOD. AHU Design Condition Entering DB/WB = 25.8°C / 18.4°C Leaving DB/WB = 12°C / 11.5°C Design Supply Air Temperature: 14°C					
1.1	AHU/B-2-2 Horizontal floor mounted type Total cooling capacity not less than: 79 kW Sensible cooling capacity not less than: 60 kW Total supply air flow rate not less than: 3600 L/s Fresh air flow rate not less than: 200 L/s Fan external static pressure not less than: 350 Pa Motor: 1450 RPM, IE 2 TEFC motor, 400 V, 50 Hz Panel Pre-filter type: 50 mm G4 grade with GI/AL steel frame (washable) c/w four (4) tube rows of cooling coil c/w UVC lamps with ballast and On/Off switch	1	NO			
1.2	AHU/EG-1 Horizontal floor mounted type Total cooling capacity not less than: 55 kW Sensible cooling capacity not less than: 35 kW	1	NO			

ITEM NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT	
					\$	¢
	Total supply air flow rate not less than: 2500 L/s Fresh air flow rate: 150 L/s Fan external static pressure not less than: 350 Pa Motor: 1450 RPM, IE 2 TEFC motor, 400 V, 50 Hz Panel Pre-filter type: 50 mm G4 grade with GI/AL steel frame (washable) c/w eight (8) tube rows of cooling coil c/w stainless steel heater, total heating input 18 kW c/w UVC lamps with ballast and On/Off switch					
1.3	AHU/G-G-1 Horizontal floor mounted type Total cooling capacity not less than: 37 kW Sensible cooling capacity not less than: 23 kW Total supply air flow rate not less than: 1550 L/s Fresh air flow rate: 80 L/s Fan external static pressure not less than: 350 Pa Motor: 1450 RPM, IE 2 TEFC motor, 400 V, 50 Hz Panel Pre-filter type: 50 mm G4 grade with GI/AL steel frame (washable) c/w four (4) tube rows of cooling coil c/w UVC lamps with ballast and On/Off switch	1	NO			
1.4	AHU/F-G-1 Horizontal floor mounted type Total cooling capacity not less than: 43 kW Sensible cooling capacity not less than: 28 kW Total supply air flow rate not less than: 1800 L/s Fresh air flow rate: 90 L/s Fan external static pressure not less than: 350 Pa Motor: 1450 RPM, IE 2 TEFC motor, 400 V, 50 Hz Panel Pre-filter type: 50 mm G4 grade with GI/AL steel frame (washable) c/w four (4) tube rows of cooling coil c/w UVC lamps with ballast and On/Off switch	1	NO			
1.5	AHU/AG-3 Vertical floor standing type Total cooling capacity not less than: 52 kW Sensible cooling capacity not less than: 37 kW Total supply air flow rate not less than: 2100 L/s Fresh air flow rate: 100 L/s Fan external static pressure not less than: 300 Pa Motor: 1450 RPM, IE 2 TEFC motor, 400 V, 50 Hz Panel Pre-filter type: 50 mm G4 grade with GI/AL steel frame (washable) c/w six (6) tube rows of cooling coil c/w UVC lamps with ballast and On/Off switch	1	NO			
1.6	AHU/AG-4 Vertical floor standing type Total cooling capacity not less than: 52 kW Sensible cooling capacity not less than: 37 kW Total supply air flow rate not less than: 2100 L/s Fresh air flow rate: 100 L/s Fan external static pressure not less than: 300 Pa Motor: 1450 RPM, IE 2 TEFC motor, 400 V, 50 Hz Panel Pre-filter type: 50 mm G4 grade with GI/AL steel frame (washable) c/w six (6) tube rows of cooling coil c/w UVC lamps with ballast and On/Off switch	1	NO			
C	ABOVE GROUND PRE-INSULATED CHILLED WATER PIPE WORKS, FITTINGS, VALVES & ACCESSORIES					
	Supply and install all necessary factory pre-insulated black steel pipe to BS1387 Class C heavy grade seemed					

ITEM NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT	
					\$	₹
	pipe fittings with high density 45kg/m ³ polyurethane foam and outer jacket 0.6mm thk spiral locked galvanized sheet including all required modification to connect with the AHUs to the existing branch pipes. Cost of pipeworks shall include all the necessary pipe fittings such as elbows, tees, eccentric and concentric reducers and other standard type fittings.					
1.1	Pipe size: 40 mm Dia	1	LOT			
1.2	Pipe size: 50 mm Dia	1	LOT			
2	CHW AHU insulated Valves and Accessories					
2.1	Isolation valve					
a.	Size: 50 mm Dia	6	NO			
2.2	Double regulating valve PN 16 (balancing, measuring and isolation)					
a.	Size: 50 mm Dia	6	NO			
2.3	Bypass valve					
a.	Size: 40 mm Dia	6	NO			
2.4	Flexible Joint PN 16					
a.	Size: 50 mm Dia	12	NO			
2.5	Pressure gauge – 100 mm Dia c/w gauge cock & ball valve PN 16	12	NO			
2.6	V-Line thermometer c/w mounting pocket	12	NO			
2.7	Drain valve 20mm Dia	12	NO			
2.8	GI jacketing c/w high density polyurethane foam for all the abovementioned pipes, fittings and valves	1	LOT			
2.9	Anti vibration isolators for new AHUs	1	LOT			
2.10	Supply and install UPVC condensate drain pipes BS3505 Class C with suitable pipe size for the abovementioned new AHU at Ahu room c/w necessary fittings, condensate trap and pipe supports to the nearest drain. The condensate pipe shall be insulated with 20 mm thick closed cell insulation.	6	LOT			
D	ELECTRICAL WORKS					
1.0	Supply and install new wall mounted AHU control panel IP 43 installed in the AHU room complete with all the necessary MCCB, RCD, MCB, relays, fuse, terminal blocks, incoming and outgoing lights, voltmeter, ammeter, remote/local selector switch, manual start/stop push button c/w indication lights Run, Stop & Trip, transformer, smoke detector alarm and all other system controls and protection deem necessary for the satisfaction system operation and performance. The offered AHU shall be					

ITEM NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT	
					\$	¢
	equipped with variable speed drive (VSD) for the new AHU motor, digital power meters and also to include the necessary volt free contacts and relays for receiving BAS signal for start/stop and monitoring (on/off) the AHU signal to DDC.					
1.1	CP-B2-2 for AHU B2-2 Incoming: 1 x 40A MCCB TPN c/w 40A RCD 4P Outgoing: 1 x 32A MCCB TPN for AHU motor c/w VSD 1 x 10A MCB SPN for DDC 1 x 6A MCB SPN for UVC lamp 1 x 20A MCB SPN for spare	1	LOT			
1.2	CP-EG-1 for AHU EG-1 Incoming: 1 x 63A MCCB TPN c/w 63A RCD 4P Outgoing: 1 x 40A MCCB TPN for AHU motor c/w VSD 1 x 32A MCB TPN for heaters 1 x 10A MCB SPN for DDC 1 x 6A MCB SPN for UVC lamp 1 x 20A MCB SPN for spare	1	LOT			
1.3	CP-G-G-1 for AHU G-G-1 Incoming: 1 x 32A MCCB TPN c/w 40A RCD 4P Outgoing: 1 x 20A MCCB TPN for AHU motor c/w VSD 1 x 10A MCB SPN for DDC 1 x 6A MCB SPN for UVC lamp 1 x 20A MCB SPN for spare	1	LOT			
1.4	CP-F-G-1 for AHU F-G-1 Incoming: 1 x 40A MCCB TPN c/w 40A RCD 4P Outgoing: 1 x 32A MCCB TPN for AHU motor c/w VSD 1 x 10A MCB SPN for DDC 1 x 6A MCB SPN for UVC lamp 1 x 20A MCB SPN for spare	1	LOT			
1.5	CP-AG-3 for AHU AG-3 Incoming: 1 x 40A MCCB TPN Outgoing: 1 x 32A MCCB TPN c/w 20A RCD 4P for AHU motor c/w VSD 1 x 10A MCB SPN for DDC 1 x 6A MCB SPN for UVC lamp 1 x 20A MCB SPN for spare	1	LOT			
1.6	CP-AG-4 for AHU AG-4 Incoming: 1 x 40A MCCB TPN Outgoing: 1 x 32A MCCB TPN c/w 20A RCD 4P for AHU motor c/w VSD 1 x 10A MCB SPN for DDC 1 x 6A MCB SPN for UVC lamp 1 x 20A MCB SPN for spare	1	LOT			
2.0	Power and Control Cables					
	Supply and install suitable rating of power and control cables for the following equipment. Cables shall be conformed to the latest IEE standard. Price quoted shall include termination of all incoming and outgoing cables c/w cable glands, cable lugs, hot dipped galvanized epoxy powder coated cable tray, trunking, PVC sleeves, PVC conduits and fittings with necessary steel supports.					
	The offered power cable brand shall be approved by ABCi MOD					

ITEM NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT	
					\$	¢
2.1	From new AHU CP to new motor for AHU B2-2 1 x 4C x 10 mm ² PVC/SWA/PVC + 10 mm ² Earth Cable	1	LOT			
2.2	From new AHU CP to new motor for AHU EG-1 1 x 4C x 6 mm ² PVC/SWA/PVC + 6 mm ² Earth Cable	1	LOT			
2.3	From new AHU CP to new motor for AHU G-G-1 1 x 4C x 4 mm ² PVC/SWA/PVC + 4 mm ² Earth Cable	1	LOT			
2.4	From new AHU CP to new motor for AHU F-G-1 1 x 4C x 6 mm ² PVC/SWA/PVC + 6 mm ² Earth Cable	1	LOT			
2.5	From new AHU CP to new motor for AHU AG-3 1 x 4C x 4 mm ² PVC/SWA/PVC + 4 mm ² Earth Cable	1	LOT			
2.6	From new AHU CP to new motor for AHU AG-4 1 x 4C x 4 mm ² PVC/SWA/PVC + 4 mm ² Earth Cable	1	LOT			
2.7	From new AHU CP to new UVC lamps of all AHUs with suitable rating of PVC power cables	6	LOT			
E	DUCTWORKS & ACCESSORIES FOR NEW AHUS					
1.0	Supply and install new supply air ductworks at existing AHU room with galvanized steel duct c/w external insulation, internal acoustic lining and steel supports including any necessary duct modification to connect with new AHUs to existing main supply air ductworks.					
a.	GI steel duct 0.8 mm thk	6	LOT			
b.	External fiberglass insulation with 50 mm thk and density 32 kg/m ³ wrapped with fire resistant heavy duty double sided aluminium foil.	6	LOT			
c.	Internal semi closed cell elastomeric foam acoustic liner 25 mm thk 100 kg/m ³ w/noise absorption coefficient 0.90 or higher at frequency of 100 Hz.	6	LOT			
2.0	To replace the existing fresh air volume control damper c/w insect screen for the AHUs rooms below. The offered volume control damper shall match with the existing opening/duct sizes.					
a.	NS 465mm x 270mm (at AHU G-G-1)	1	NO			
b.	NS 450mm x 150mm (at AHU EG-1)	1	NO			
c.	NS 450mm x 150mm (at AHU FG-1)	1	NO			
d.	NS 595mm x 385mm (at AHU B2-2)	1	NO			
e.	NS 440mm x 290mm (at AHU AG-3)	1	NO			
f.	NS 440mm x 290mm (at AHU AG-4)	1	NO			
F	BUILDER WORKS					
1.0	To paint all above mentioned exposed aboveground chilled water piping at AHU rooms with approved colour code c/w directional arrows.					
a.	1 layer of undercoat anti-rust paint	1	LOT			
b.	2 layer of glossy paint	1	LOT			

ITEM NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT	
					\$	¢
2.0	To provide necessary extension of concrete plinth using Grade 25 for all the abovementioned new AHUs	6	LOT			
3.0	To clean and flush the relevant section of chilled water piping after replacement with branch piping for abovementioned new AHUs	1	LOT			
4.0	TO PROVIDE SUITABLE CAPACITY OF MOBILE CRANE FOR LIFTING AND POSITIONING OF THE EXISTING & NEW AHUS INCLUDING TRANSPORTATION OF DISMANTLED EQUIPMENT AND PARTS TO DESIGNATED STORE	1	LOT			
5.0	COST TO PROVIDE ALL THE NECESSARY OPENINGS AND PERMANENT SEALING UP ON THE BRICK WALLS FOR THE CHILLED WATER PIPING, CONDUIT/CABLE TRAY WITH PUTTY	1	LOT			
6.0	TO CLEAN AND PAINT INTERNAL WALL OF ALL ABOVEMENTIONED AHU ROOMS WITH APPROVED PAINT	1	LOT			
7.0	TO SUPPLY PORTABLE COOLING APPLIANCE FOR TEMPORARY COOLING THE AFFECTED PATIENT/OFFICE AREAS DURING THE PERIOD OF TEMPORARY SHUT DOWN OF THE AHUS	1	LOT			
G	STANDALONE DIRECT DIGITAL CONTROLLER					
1.0	SUPPLY AND INSTALL STAND-ALONE DDC C/W MICROPROCESSOR BASE CONTROLLER AND RAM, FLASH PROMPT, INPUT/OUTPUT POINT MODULES, POWER SUPPLY MODULES, REAL TIME CLOCK WITH CAPACITOR BACKUP, ENCLOSURE PANEL AND DDC PROGRAMMING FOR PROPER M&E SYSTEM FUNCTION IN BOTH CONTROLS. DDC CAPACITY SHALL BE AS PER I/O POINTS SCHEDULE AND TO ALLOW AT LEAST 20% SPARE CAPACITY FOR EACH TYPE OF I/O POINTS.					
1.1	AHU B-2-2 (HR)	1	LOT			
1.2	AHU EG-1 (X-RAY)	1	LOT			
1.3	AHU G-G-1 (MRO)	1	LOT			
1.4	AHU F-G-1 (EYE CLINIC)	1	LOT			
1.5	AHU AG-4 (SOPD)	1	LOT			
1.6	AHU AG-3 (SOPD)	1	LOT			
2.0	SUPPLY AND INSTALL THE FOLLOWING FIELD DEVICES & SENSORS C/W POWER AND CONTROL WIRINGS ENCLOSED WITH PVC CONDUITS AND TRUNKINGS					
2.1	DUCT-MOUNTED TEMPERATURE SENSOR FOR RETURN AIR, MIXING AIR, OFF COIL AIR, SUPPLY AIR	24	NO			
2.2	DUCT-MOUNTED SMOKE DETECTOR SENSOR (PHOTOELECTRIC TYPE C/W MEASURING RODS)	6	NO			
2.3	FILTER PRESSURE DIFFERENTIAL SWITCH	6	NO			

ITEM NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT	
					\$	¢
2.4	AIR FLOW SENSOR SWITCH	6	NO			
2.5	VARIABLE SPEED DRIVE (VSD) TO SUIT THE OFFERED AHU MOTOR CAPACITY OF ALL NEW AHUS FOR MANUAL AIR BALANCING USE POWER SUPPLY 415 VAC, 50 HZ	6	NO			
2.6	THREE (3) WAY CONTROL VALVE PN 16 C/W MODULATING ACTUATOR FOR NEW AHUS					
a.	SIZE: 50 MM DIA	6	NO			
2.7	DUCT MOUNTED RELATIVE HUMIDITY TRANSMITTER FOR NEW AHU EG-1	1	NO			
2.8	CURRENT VALVE WITH SUITABLE CAPACITY, 415V, 50 HZ FOR NEW AHU EG-1	1	NO			
2.9	DUCT MOUNTED HIGH TEMPERATURE LIMIT SWITCH FOR NEW AHU EG-1	1	NO			
TOTAL PRICE CARRIED FORWARD TO TENDER FORM						

SCHEDULE B

TENDER FORM

1. I/we, the undersigned having examined and fully understood the tender Documents, inspected and checked the site, offer to carry out and execute the above work in accordance with all relevant Standards Specification and Codes of Practice for the sum of Brunei Dollars.

Brunei Dollars _____
_____(B\$ _____) only.

2. If my/our tender is accepted, I/we undertake to complete the whole work within **09 Months** from the date of possession/commencement allowing for all possible cause of delay which can reasonably be foreseen and not merely representing the number of working days required.
3. I/we confirm that my/our tender has been calculated on a firm price basis and that I/we have taken into account all aspects, site conditions and other matter that may affect the work. I/we understand that I/we not be allowed any claims for payment may arise out of my/our misunderstanding, and/or misinterpretation and/or miscalculation of the supply and/or site conditions.
4. I/We agree to the provision and conditions in **Appendix**.
5. I/we understand and agree that the Government has the option to accept part of my/our tender and I/we agree and confirm that in such case, there shall be no adjustment of my/our tender prices and/or rates.
6. Unless and until a formal agreement is prepared and executed, this tender offer together with your Letter of Acceptance thereof shall constitute a legal and binding contract between us.
7. Our Tender is fully consistent with and does not contradict or derogate from anything in your Invitation To Tender. We have not qualified or changed any of the provisions of your Invitation To Tender.
8. Our offer is valid for **six (6)** calender months from the tender closing date.
9. When requested by you, we shall extend the validity of this offer.

Signature & Date

Name

In the capacity of

(Position in the Company)

(Tenderer Official Stamp)

On behalf of

(Name of Company).

Address

Telephone & Fax

MOH Registration No

(Copy of MOH Registration Certificate to be attached)

Tender Deposit No.

SCHEDULE C

INFORMATION SUMMARY

2.1 Tenderers shall provide in this Schedule the following information:

- a. Management summary
- b. Company profile [including Contractor and sub-contractor(s), if any]
- c. Years of experience (as of the Tender Closing Date) of the Contractor and sub-contractor(s) in the:
 - ***Supply, Delivery, Installation, Testing and Commissioning of Airconditioning Works***
- d. Minimum manpower proposal for the project which will be full time on site
- e. Other information which is considered relevant.

SCHEDULE D

SUB-CONTRACTORS

- 3.1 Tenderers shall complete Table 3 with information about all the companies involved in the provision of the services and items specified in this tender. This shall include details about the Contractor and each sub-contractor involved, as well as their respective responsibilities.
- 3.2 Tenderers shall also indicate in Table 3.1 any alliance relationship established with each sub-contractor. An alliance is defined as a formal and binding business relationship between the allied parties.

Table 3.1 - Responsibility Table

		Alliance Relationship between Contractor and Sub-Contractor(s)		
Company Name	Responsibility Description	Alliance Exists? (Y/N)	Date Established	Alliance Description
Contractor				
		Not Applicable	Not Applicable	Not Applicable
Sub-Contractor(s)				

SCHEDULE E

COMPANY'S PROFILE

- 4.1 Each of the companies involved in this tender, including Contractor and subcontractor(s) (if any), shall provide information on the company's background, scope of operations, financial standing and certified copy of its Certificate of Incorporation or Certificate of Registration with the Ministry of Development.

Name of company :

Registration No :

Type Of Company :
(Sdn.Bhd., Partnership, Sole proprietor, Joint Venture, Trading Co.)

Authrosied Capital (B\$) :..... Paid-up Capital (B\$) :.....

Banker for the Cmpany's business:.....

Table 4 – Shareholders Table

Directors/Shareholders/ Proprietor	Percentage Share	Brunei I/C Number	Immigration Status

Current workforce (No.of persoms) in Brunei :-

- | | |
|---------------------------|---------------------|
| a) Management :..... | b) Engimeers :..... |
| c) Technicians:..... | d) Tradesman :..... |
| e) Trainee/Workman :..... | f) Others :..... |

TOTAL WORKFORCE :	No. of persons
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We certify that the above information is correct.

SCHEDULE F

REFERENCES

- 5.1 Tenderers shall submit a list of customers in Table 4.1 to whom the Contractor has provided similar works and items as specified in this tender in the recent 5 years as of the Tender Closing Date.

Table 5.1 - References of previous customers

Customer Name & Address	Customer Type (Gov't or Quasi-Gov't)	Contact Person	Title	Contact Number Fax Number & Email Address

*Note: Tenderers shall indicate whether the customer is a Government or Quasi Government organisation. A Quasi Government is defined as an organisation which (1) is managed and controlled by the Government; or (2) has at least 50% shares being held by the Government. Please leave the column blank if the customer is neither a Government or Quasi Government organisation.

- 5.2 The Ministry of Health shall treat all the information submitted under this schedule in strict confidence.
- 5.3 The Ministry of Health reserves the right to contact the references for tender assessment purposes.

SCHEDULE G

**PENGAKUAN PENENDER
*TENDERER'S DECLARATION***

SCHEDULE - H

STATEMENT OF COMPLIANCE

7.1 Tenderers shall indicate their compliance by providing a compliance table in Table 7 with clause by clause including sub-clause by sub-clause statement of compliance corresponding to all the sections in this Tender document.

7.2 Proposal without the compliance table will be considered incomplete and will be disqualified.

Table 7 - Compliance Table

Section	Descriptions	Compliance ¹		Remarks ²
		Yes	No	
1	Instruction To Tenderers			
2	Specification			
3	Form to be used			
4	Articles of Agreement			
	& Condition of Contract			

Note:

¹ Please put a tick (✓) at "Yes" column if complied, and a tick (✓) at "No" column if not complied.

² Where appropriate, Tenderer shall specify how the requirement will be met in the Remarks column