

REFERENCE OF TENDER	DESCRIPTION OF TENDER	TIME PERIOD OF TENDER	DEPARTMENT/DIVISION/UNIT REQUESTING TENDER	FEES	CLOSING DATE NOT LATER THAN 2.00PM	FOCAL PERSON
KK/146/2024/PPN(TC)	<p>PROVISION OF MAINTENANCE SERVICES FOR FIRE ALARM SYSTEM, CARBON DIOXIDE [CO<sub>2</sub>] FIRE SUPPRESSION SYSTEM, FIRE HOSEREEL SYSTEM AND FIRA EXTINGUISHERS AT NATIONAL STATE DENTAL CENTRE, MINISTRY OF HEALTH FOR A PERIOD OF FIVE(5) YEARS</p> <p><b>Eligibility For Tenderers:</b> Registered With Ministry Of Health And Fire and Rescue Department, Ministry of Home Affair</p>	5 YEARS	DEPARTMENT OF DENTAL SERVICES	\$10.00	23 <sup>RD</sup> JULY 2024	<p>Zafiratul Adawiyah binti Abd Azim Chong Ketua Bahagian Brunei Muara dan Pusat-Pusat Kesihatan Kementerian Kesihatan Contact No: 2332768</p>

**NOMBOR TAWARAN : KK/146/2024/PPN(TC)**

**KEMENTERIAN KESIHATAN  
NEGARA BRUNEI DARUSSALAM**

**PROVISION OF MAINTENANCE SERVICES FOR FIRE ALARM  
SYSTEM, CARBON DIOXIDE [CO<sub>2</sub>] FIRE SUPPRESSION SYSTEM,  
FIRE HOSEREEL SYSTEM AND FIRA EXTINGUISHERS AT NATIONAL  
STATE DENTAL CENTRE, MINISTRY OF HEALTH FOR A PERIOD OF  
FIVE(5) YEARS**

**YURAN TAWARAN: \$10.00**

**NOMBOR RESIT :**

**TARIKH TUTUP : HARI SELASA, 23HB JULAI 2024**

**JAM : 2.00 PETANG**

**KEPADA :**

**PENGERUSI LEMBAGA TAWARAN KECIL  
PETI TAWARAN, TINGKAT BAWAH  
BANGUNAN KEMENTERIAN KESIHATAN  
COMMONWEALTH DRIVE  
BANDAR SERI BEGAWAN BB 3910  
NEGARA BRUNEI DARUSSALAM**

**(CLUSTERING)**

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## SECTION 2

### SPECIFICATIONS

TENDER REFERENCE NO: KK/146/2024/PPN(TC)

#### INVITATION TO TENDER

**PROVISION OF MAINTENANCE SERVICES FOR FIRE ALARM SYSTEM, CARBON DIOXIDE [CO2] FIRE SUPPRESSION SYSTEM, FIRE HOSEREEL SYSTEM AND FIRE EXTINGUISHERS AT NATIONAL STATE DENTAL CENTRE, MINISTRY OF HEALTH FOR A PERIOD OF FIVE (5) YEARS**

#### SCOPE OF WORKS

##### 1. GENERAL

- 1.1 Tenderers are sought from suitably qualified and registered Fire Protection Firms with skilled staff and adequate testing instruments who wish to be considered for the provision of maintenance services (hereinafter "Maintenance Services") for the Fire Alarm System, Carbon Dioxide Fire Suppression, Fire Hosereel System and Fire Extinguishers (hereinafter "the System") for National State Dental Center, Ministry of Health as set out in **Schedule I** for a duration of **five (5) years**.
- 1.2 The Tenderer shall provide Maintenance Services for the System inclusive of all necessary spare parts and replacement parts to ensure that the System is kept in good working order and condition and functioning within the manufacturer's specifications. The Maintenance Services consist of:
- Preventive maintenance, and
  - Corrective maintenance
- 1.3 All prices to be quoted shall include labour, parts and transport charges.
- 1.4 Tenderer shall also ensure that technical services shall be available twenty-four (24) hours a day for the convenience of the Government to provide assistance for any emergency service. In the event that any attended calls be made during the preventive maintenance period, there shall not be any charges for the replacement of parts.

##### 2. MAINTENANCE SERVICES

###### 2.1 Preventive maintenance

- 2.1.1 Scheduled or routine preventive maintenance, which includes testing and inspection, on the System shall be performed during Government working hours [07.45 am – 12.15pm and 01.30 pm – 04.30 pm].
- 2.1.2 Preventive maintenance shall be performed every three (3) months in accordance with the maintenance schedules set out in **Schedule II – Maintenance and Servicing Schedule** as recommended by the manufacturers' service manuals.
- 2.1.3 Although the maintenance schedules may not include instructions for every component of each item of the equipment, the Tenderer is expected to carry out the usual maintenance process in accordance with the normal trade practices and to meet specific requirements of the respective equipment's manufacturer's recommendations.
- 2.1.4 The frequencies of the preventive maintenance may be adjusted, by mutual agreement, to suit the duty and conditions of operation of the System's equipments.

- 2.1.5 Where follow-up work is considered necessary and involves further repairs, the Tenderer shall notify the Superintending Officer of the extent of the repairs before proceeding with the work.
- 2.1.6 The Tenderer shall ensure that downtime of any of the equipment within the System is kept to a minimum. The maximum period for which any equipment to be continuously out-of-service shall be **one (1) day**.
- 2.1.7 The Tenderer is also required to submit monthly reports covering details of periodic inspection, servicing and repairs. The monthly report shall include, but not limited to, a log showing the time when fault notice was received, nature of fault, time when rectification work was initiated, actual time taken for repair, materials and parts used.

## **2.2 Corrective maintenance**

- 2.2.1 Corrective maintenance shall be performed at **ANY TIME (inclusive of public holiday)** upon notification by the Superintending Officer or his representative.
- 2.2.2 The Tenderer shall dispatch his technician to a site specified by the Superintending Officer or his representative **within 30 minutes** (hereinafter "Call Out Time") after being notified in writing or telephone that a fault is reported via a "Service Call Slip" which the Tenderer shall collect prior to commencing the repair or replacement works. This Service Call Slip must be certified by the Superintending Officer or his representative with an official stamp, time in, time out and date.
- 2.2.3 The technician shall complete any repair or replacement of parts within **five (5) days** from the time the technician arrives at the specified site.

## **2.3 Additional Services**

- 2.3.1. The Tenderer shall service the existing panels such as tightening the cable, terminations, replacement of fused indicating lights, faulty meters, tidying up the internal wirings, relays, components and boards.
- 2.3.2 The Tenderer is also required to provide necessary protection against the existing plants and equipment in the adjacent working areas while carrying out the Maintenance Services.

## **3. SPARE PARTS**

- 3.1 The Tenderer shall maintain sufficient spare parts which are commonly used to ensure and enable all preventive maintenance to be carried out and to replace any parts which may be reasonably expected to be needed due to breakdown.
- 3.2 The Tenderer shall submit a price list of all parts or items as listed out in **Schedule III – Schedule of Parts**. This list shall be inclusive of all duties, taxes, labour charges, transport charges and maintained for three years.
- 3.3 Tenderer shall remove and replace any parts supplied which are damaged, defective or do not meet the respective specification within one (1) day. Failure to do within the stipulated time may result in the removal of the part/s by the Superintending Officer and replaced by others. The Government reserves the right to recover all costs and expenses incurred for such removal and replacement.
- 3.4 A grace period of **five (5) working days** for repairs which are outstanding due to unavailability of spare parts or awaiting spare parts, after which a penalty of **B\$100.00 per day or part thereof** shall be imposed. A written notice will be given to the Tenderer seven (7) days prior to expiry of the grace period and start of the penalty.

- 3.5 If, in the opinion of the Superintending Officer, any of the parts supplied are not in accordance with the specifications, the superintending officer reserves the right to submit the part/s to expert examination and/or test. All costs in connection therewith shall be borne by the Tenderer unless such examination and/or test show that the said part/s is/are in accordance with its specification/s.
- 3.6 All parts supplied must be certified with approval from the Department of Fire and Rescue Services.

#### **4. PERSONNEL**

- 4.1 To ensure the proper and efficient execution of the Maintenance Services, the Tenderer shall provide and employ qualified and competent workers to perform the Maintenance Services and should submit the proposal attached.
- 4.2 The Tenderer shall ensure that such personnel are properly trained and employed (if they are employed outside of Brunei Darussalam) by the Tenderer throughout the three-years duration.
- 4.3 The Tenderer is required to submit a list of names, addresses, qualifications, experiences and other relevant information that the Superintending Officer may require, of all persons that shall be employed for the performance of the Maintenance Services in the format set out in **Section 3** of this Invitation To Tender. Any amendments made to the list shall be submitted in writing within five (5) days upon knowledge that any person has been added or deleted from the list during the three-year duration.
- 4.4 The Superintending Officer reserves the right to remove, reject or replace any persons employed by the Tenderer, who in the opinion of the Superintending Officer is not competent to execute the Maintenance Services, and shall direct the Tenderer to replace such person/s.
- 4.5 All personnel employed by the Tenderer shall be neatly and properly attired in uniforms and equipped with proper tools and safety equipment to enable them to carry out their work safely, accurately and without any risk of causing damage to the System or any of the buildings.
- 4.6 Where the System is installed in a secured area, the Tenderer is required to obtain security clearance for all his personnel and vehicle requiring access to such area.

#### **5. INSURANCE**

The Tenderer shall warrant that he will maintain at his own expense, comprehensive general liability, errors and omissions, workers' compensation, public liability, property damage and automobile liability insurance. Upon request by the Government, the Tenderer shall furnish certificates showing that such insurance is in effect and will not be cancelled or changed in the absence of a prior 30-days' written notice to the Government.

#### **6. LOG BOOKS AND REPORTS**

- 6.1 A record of the work done on each maintenance visit for each location in **Schedule I** shall be noted in a log book by the Tenderer.
- 6.2 The log book must show the date, time and duration of work performed; a description of the work performed; and the names of the Tenderer's personnel responsible for performing the work.
- 6.3 Completion of the maintenance visit shall be affixed via the technician's signature and shall be confirmed in writing by the Superintending Officer or his representative.

- 6.4 The log book must be available for inspection by the Government at any time.
- 6.5 The Tenderer shall also submit Maintenance Service Reports in a format acceptable to the Government and shall include the following information:
- Reference number of any equipment of the System;
  - Job number;
  - Date of completion of job;
- 6.6 Any verbal reports made by the EMS on any breakdown shall be made available to the superintending officer or his representative within twenty-four (24) hours of receiving the complaint. Such report must state the nature of the fault, work done and whether any further work is required.

## 7. EQUIPMENT

The Tenderer shall ensure that all technicians working on site are equipped with adequate equipment and/or tools to enable them to carry out their work safely, accurately and without risk of causing any damage to the System or any of the buildings. Such equipment and tools include but are not limited to the following:

- Multitester
- Insulation Tester
- Smoke/heat detector tester
- Glass fuse
- Indicator panel bulbs
- General Tool kit

## 8. CONTRACT PRICE AND PAYMENT

- 8.1 The Tenderer shall quote the cost of an annual service contract which shall consist of the maintenance services charges and the cost of parts replaced (if any), upon receipt of:
- One (1) original invoice;
  - One (1) duplicate invoice;
  - Service Call Slip; and
  - A detailed Maintenance Service Report
- 8.2 The Tenderer shall submit the invoice of the previous month **within first two (2) weeks of the following month**. All claims shall be addressed to:

*Head of Estate Maintenance  
Brunei/Muara Health Centers Estate Maintenance Section  
Block 2G, Ong Sum Ping  
Ministry of Health  
Brunei Darussalam  
Contact No: 2237706*

- 8.3 Payment will be made within forty-five (45) days after submission of the invoice and other related documents, subject to any deduction under the Contract and satisfactory certification by the Government during the preceding month.

**SCHEDULE I**

**LOCATION**

<b>Item No.</b>	<b>Name Of Building</b>
<b>A.</b>	Pusat Pergigian Negara, Airport Lama, Bandar Seri Begawan <ul style="list-style-type: none"><li>• Block A</li><li>• Block B</li><li>• Block C</li><li>• New Laboratory Extension Block</li><li>• Store</li></ul>

## SCHEDULE II

### MAINTENANCE & SERVICING SCHEDULE

#### 1. TESTING AND INSPECTION FOR FIRE ALARM SYSTEM

- 1.1 **QUARTERLY TEST:** The following inspection and testing procedures should be carried out.
- 1.2 Before proceeding the quarterly test, the Superintending Officer or his representative must be notified.
- 1.3 Test operation of fire alarm panel “test”, “isolate”, “fault test”, bell isolate”, “buzzer isolate” “AHU isolate” and other switches in the panel, ensuring their correct functioning and that appropriate bells and or buzzers are sounded and appropriate indicators are lit. Bell rings shall be kept as short duration as possible to enable the functioning test of bells.
- 1.4 Simulate alarm panel mains supply failure. Ensure that the battery supply is on and appropriate indicators are lit.
- 1.5 Check battery voltages and charging current in accordance with the manufacturer’s instruction.
- 1.6 Check batteries including terminals for cleanliness and correct level of electrolyte in each cell to ensure that they are in good serviceable condition.
- 1.7 Check condition of battery cabinet for corrosion and to ensure that batteries are stored in secure condition.
- 1.8 Simulate fire condition by operating test switches and break glass fire points on all alarm groups and resetting the installation to normal.
- 1.9 Simulate fault conditions on all alarm groups to ensure that the fire indicator board is operating correctly including fault annunciators and audible alarms.
- 1.10 Check that the fire indicator board is in clean and operative condition and ensure that the enclosure is maintaining a satisfactory dust seal.
- 1.11 Examine the condition of components, resistors, capacitors and cables.
- 1.12 Record results of the test in the log book and note any circuits that are subject to repair alteration or extension.
- 1.13 Reseat all switches in the alarm panel to normal after the test.

#### 2. TESTING AND INSPECTION FOR FIRE HOSEREEL SYSTEM

- 2.1 **QUARTERLY TEST:** The following inspection and testing procedures should be carried out.
- 2.2 Before proceeding the quarterly test, the Superintending Officer or his representative must be notified.
- 2.3 Check water level of water storage tank in the system
- 2.4 Check that all stop valves are secured in the open or closed position as appropriate.
- 2.5 Check and record the pressure at the installation gauge and water supply gauge and ensure that normal water pressure is maintained.

- 2.6 Start all pumping units by operating the test valve in the manner which simulate the operation of hosereel and checking the following.
  - a) Correct cut-in pressure
  - b) Efficient pump gland operation
  - c) Operation of both local and remote pump run alarms
- 2.7 On the electric motor driven pumps, check the phase failure alarm and check that there is no excessive vibration or noise. Pump shall be operation within 30 seconds.
- 2.8 After testing of the pumps and resetting of the systems, check and record the pressure at the installation gauge and water supply gauge to ensure that normal pressure is maintained.
- 2.9 Check the pump room to ensure it is kept free of combustible material and accessible at all times.
- 2.10 Check hosereel to ensure that the inlet valve, shut off nozzles are sound and free of leaks.
- 2.11 Check nozzles to ensure no blockage or restriction to the flow.
- 2.12 Check swivel joint of drum for leakage and ease of movements.

### **3. TESTING AND INSPECTION OF CARBON DIOXIDE [CO<sub>2</sub>] FIRE SUPPRESSION SYSTEM.**

- 3.1 **QUARTERLY TEST:** The following inspection and testing procedures should be carried out.
  - 3.2 Check and test CO<sub>2</sub> control panel
  - 3.3 Check and clean all the smoke detectors
  - 3.4 Check the Abort switch
  - 3.5 Check the Manual Release button / switch
  - 3.6 Check and Clean 'Gas Discharge Sign'
  - 3.7 Check and Clean 'Evacuate Sign'
  - 3.8 Check, test and clean Siren c/w Beacon
  - 3.9 Check and test and clean alarm bell
  - 3.10 Check the indicator for 'Air-conditioning / Air-condition tripping
  - 3.11 Check CO<sub>2</sub> cylinders [replace if empty]
  - 3.12 Check the conditions of the nozzles, service if required.
  - 3.13 Check and clean CO<sub>2</sub> fire extinguisher, make sure it is not empty.
  - 3.14 Check ABC Dry Powder, make sure it is not empty.

### **4. TESTING AND INSPECTION FOR ALL THE EXISTING FIRE EXTINGUISHER INCLUDING CLEANING & RELOCATE IF NECESSARY.**

**SIX MONTHLY TEST:** The following inspection and testing procedures should be carried out.

- 4.1 WATER CO<sub>2</sub>
  - Check Safety Pin
  - Check Adhesive Label (Mark/replace upon expiry date)
  - Check 'O' Ring
- 4.2 DRY POWDER
  - Check 1 Kg. Powder
  - Check Quad Ring
  - Check Operating Head Complete
  - Check Adhesive Label (Mark/replace upon expiry date)
- Check Safety Pin
  - Check Pressure Gauge
  - Check Nozzle c/w Hose (4.5Kg. above only)
- 4.3 CARBON DIOXIDE
  - Check Quad Ring
  - Check Safety Pin

- Check Discharge Horn
- Check Adhesive label (Mark/replace upon expiry date)
- Check Valve Body

#### 4.3.1 CARBON DIOXIDE (CO<sub>2</sub>) CARTRIDGE

- Check 55gm
- Check 75gm
- Check the Refilling CO<sub>2</sub>

#### 4.3.2 FOAM

- Check Quad Ring
- Check Plunger
- Check Safety Pin
- Check Aluminium Sulphate
- Check Sodium Bicarbonate
- Check Adhesive Label (Mark/replace upon expiry date)

#### 4.4 ADHESIVE LABEL / STICKER

- Check if need replacement (damage )

#### 4.5 BRACKET

- Check if need replacement (rusty or damage)

**SCHEDULE III - SCHEDULE OF PARTS**

**(Prices quoted to include labour)**

<b>NO.</b>	<b>REPLACEMENT OF PARTS</b>	<b>CONVENTIONAL TYPE</b>	<b>ADDRESSABLE TYPE</b>
	<b><i>Detector &amp; Point</i></b>		
1.1	Smoke Detector	\$	\$
1.2	Heat Detector	\$	\$
1.3	Break Glass Call Point	\$	\$
1.4	Alarm Bell	\$	\$
1.5	Addressable Sounder	\$	\$
1.6	Call point (Glass Only)	\$	\$
1.7	Main Frame Fire Alarm Panel Board	\$	\$
a.	8 Zone	\$	\$
b.	10 Zone		
1.8	Main Frame FAPS c/w Zoning Card & System	\$	\$
a.	8 Zone	\$	\$
b.	10 Zone		
1.9	<b><i>Batteries</i></b>	\$	\$
a.	07AH 24V Sealed Lead Acid Battery	\$	\$
b.	10AH 24V Sealed Lead Acid Battery	\$	\$
c.	12AH 24V Sealed Lead Acid Battery	\$	\$
d.	15AH 24V Sealed Lead Acid Battery	\$	\$
e.	17AH 24V Sealed Lead Acid Battery	\$	\$
f.	20AH 24V Sealed Lead Acid Battery	\$	\$
g.	26AH 24V Sealed Lead Acid Battery	\$	\$
h.	30AH 24V Sealed Lead Acid Battery	\$	\$
i.	50AH 24V Sealed Lead Acid Battery	\$	\$
j.	80AH 24V Sealed Lead Acid Battery	\$	\$
k.	40AH 12V SEALED LEAD ACID BATTERY	\$	\$
1.10	Indicating Bulb	\$	\$
1.11	Main Panel Key	\$	\$
1.12	Fit End Of Line Resistor For Zoning	\$	\$
1.13	Fault Buzzer	\$	\$
1.14	Battery Charger	n/a	\$
1.15	Zone Module Card	n/a	\$
1.16	Spare Glass For Manual Call Point	n/a	\$
1.17	Interface Card	n/a	\$
1.18	Line Isolator	n/a	\$
1.19	Loop Card	n/a	\$
1.20	Ram Card	n/a	\$
1.21	I/O Card	n/a	\$
1.22	Detector Base (Addressable)	n/a	\$
1.23	Printer	n/a	\$
1.24	Printer Paper	n/a	\$
1.25	Surface wiring 2x1.5mm <sup>2</sup> FP100/20 Cable in G.I (red) conduit per meter	\$	\$
1.26	Emergency Exit Sign (with light) per pc.	\$	\$
1.27	Emergency Light (Ceiling Mounted) per pc	\$	\$

NO.	REPLACEMENT OF PARTS	CONVENTIONAL TYPE	ADDRESSABLE TYPE
<b>2.0</b>	<b>Carbon Dioxide [ CO2 ]</b>	<b>Unit</b>	<b>Price</b>
2.1	CO2 Fire Suppression Panel	set	\$
2.2	Manual Discharge Switch	no.	\$
2.3	Manual Abort Switch	no.	\$
2.4	EVACUATE Sign	no.	\$
2.5	GAS DISCHARGE Sign	no.	\$
2.6	EXIT Sign	no.	\$
2.7	24VDC Warning Strobe Light	no.	\$
2.8	24VDC Warning Siren	no.	\$
2.9	Cylinder refilling [including Transport]- 45Kg	kg.	\$
2.10	Cylinder refilling [including Transport]- 50Kg	kg.	\$
2.11	New Cylinder [ 45 Kg ]	no.	\$
2.12	Discharge Nozzle.	no.	\$
2.13	Actuator	no.	\$
2.14	Solenoid	no.	\$
2.15	Panel Enclosure Repainting	lot	\$
2.16	Heat Resistant Cable [ IC 1.5mm <sup>2</sup> ]	meter	\$
2.17	PVC Electrical Pipe	meter	\$
2.18	GI Conduit Pipe	meter	\$
2.19	Fire Alarm Auto Dialer	no.	\$
2.20	Fire Brigade Digital Communicator.	no.	\$
<b>3.0</b>	<b>Relocation of CO2 System.</b>	<b>Unit</b>	<b>Price</b>
a.	Evacuate Sign	no.	\$
b.	Gas Sign	no.	\$
c.	Actuator	no.	\$
d.	Repainting of System	lot.	\$
e.	Installation of new system	lot	\$
f.	Fire Resistant Cable [ IC 1.5mm <sup>2</sup> ]	meter	\$
g.	Wiring Installation [ IC 1.5mm <sup>2</sup> ]	meter	\$
h.	Relocation of Detectors	no.	\$
i.	Silkscreen Mimic Panel	no.	\$
<b>4.0</b>	<b>Piping c/w mounting brackets etc</b>	<b>Unit</b>	<b>Price</b>
4.1	100mm diameter	meter	\$
4.2	75mm diameter	meter	\$
4.3	50mm diameter	meter	\$
4.4	40mm diameter	meter	\$
4.5	25mm diameter	meter	\$
4.6	20mm diameter	meter	\$
<b>5.0</b>	<b>Fire Extinguisher</b>	<b>Unit</b>	<b>Price</b>
<b>5.1</b>	<b>Water 9.0L [ Gas Cartridge Type ]</b>		
a.	New Cylinder	no.	\$
b.	Refill	no.	\$
c.	Servicing	no.	\$
d.	Valve Assembly	no.	\$
e.	Discharge Nozzle	no.	\$
f.	Safety Pin	no.	\$
g.	Safety Seal	no.	\$
h.	CO2 Cartridge	no.	\$
<b>5.2</b>	<b>Dry Chemical [ 2.0kg/2.5kg ]</b>		
a.	New Cylinder	no.	\$
b.	Refill	no.	\$
c.	Servicing	no.	\$
d.	Valve Assembly	no.	\$
e.	Discharge Nozzle	no.	\$
f.	Safety Pin	no.	\$
g.	Safety Seal	no.	\$

NO.	REPLACEMENT OF PARTS	CONVENTIONAL TYPE	ADDRESSABLE TYPE
h.	CO2 Cartridge	no.	\$
<b>5.3</b>	<b>Dry Chemical [ 4.0kg/4.5kg ]</b>		
a.	New Cylinder	no.	\$
b.	Refill	no.	\$
c.	Servicing	no.	\$
d.	Valve Assembly	no.	\$
e.	Discharge Nozzle	no.	\$
f.	Safety Pin	no.	\$
g.	Safety Seal	no.	\$
h.	CO2 Cartridge	no.	\$
<b>5.4</b>	<b>Carbon Dioxide [ 2.0kg/2.3kg ]</b>		
a.	New Cylinder	no.	\$
b.	Refill	no.	\$
c.	Servicing	no.	\$
d.	Valve Assembly	no.	\$
e.	Discharge Nozzle	no.	\$
f.	Safety Pin	no.	\$
g.	Safety Seal	no.	\$
h.	CO2 Cartridge	no.	\$
<b>5.5</b>	<b>Foam 9.0L</b>		
a.	New Cylinder	no.	\$
b.	Refill	no.	\$
c.	Servicing	no.	\$
d.	Valve Assembly	no.	\$
e.	Discharge Nozzle	no.	\$
f.	Safety Pin	no.	\$
g.	Safety Seal	no.	\$
h.	CO2 Cartridge	no.	\$
<b>5.6</b>	<b>Dry Powder [ 2.0kg/2.5kg ]</b>		
a.	New Cylinder	no.	\$
b.	Refill	no.	\$
c.	Servicing	no.	\$
d.	Valve Assembly	no.	\$
e.	Discharge Nozzle	no.	\$
f.	Safety Pin	no.	\$
g.	Safety Seal	no.	\$
h.	CO2 Cartridge	no.	\$
5.7	Sticker	Per Pc	\$
5.8	Pendaftaran Nombor	Per Cylinder	\$
5.9	Bracket	Per Pc	\$
<b>6.0</b>	<b>Fire Hosereel Parts</b>	<b>Unit</b>	<b>Price</b>
6.1	Hosereel Set [ 25mm x 30m ]	set	\$
6.2	PVC Non-Kink Rubber Hose	no	\$
6.3	Gate Valve [ 2", 4", 6" ]	no	\$
6.4	Chromed Nozzles	no	\$
6.5	Hose Clip	no	\$
6.6	Hosereel Drum	no	\$
6.7	Hosereel Cabinet	no	\$
6.8	Nozzles Wall Bracket	no	\$
6.9	Cabinet lock	no	\$
6.10	Emergency Key Box	no	\$
6.11	Hosereel Sign Label	no	\$
6.12	Key Box Replacement Glass	no	\$
6.13	Inspection Label	no	\$
6.14	Drum / Cabinet Repainting	no	\$

NO.	REPLACEMENT OF PARTS	CONVENTIONAL TYPE	ADDRESSABLE TYPE
6.15	Motor Pump	no	\$
6.16	Motor Pump Overhauling	no	\$
6.17	Re-piping per meter [ surface] 50mmØ	meter	\$
6.18	Re-piping per meter [ underground]	meter	\$
6.19	Pressure switch [ any range c/w calibration and setting]	no	\$
6.20	Pressure Gauge [ any range c/w calibration and setting]	no	\$
6.21	Panel Indicator Bulb	no	\$
6.22	Panel Fuse	no	\$
6.23	Float Switch	no	\$
6.24	Check Valve [50mmØ]	no	\$
6.25	Strainer [50mmØ]	no	\$
6.26	Panel Relay	no	\$
6.27	Replacement of Control Panel	no	\$

## LIST OF FORMS

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FORM 2 :	INFORMATION SUMMARY
FORM 3 :	SUB-CONTRACTS
FORM 4 :	COMPANY'S BACKGROUND
FORM 5 :	REFERENCES
FORM 6 :	LETTER OF DECLARATION
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FORM 1

TENDER FORM

To:

TENDER REFERENCE NO: KK/146/2024/PPN(TC)

INVITATION TO TENDER

PROVISION OF MAINTENANCE SERVICES FOR FIRE ALARM SYSTEM, CARBON DIOXIDE [CO2] FIRE SUPPRESSION SYSTEM, FIRE HOSEREEL SYSTEM AND FIRE EXTINGUISHERS AT NATIONAL STATE DENTAL CENTRE, MINISTRY OF HEALTH FOR A PERIOD OF FIVE (5) YEARS

TENDER OF (*name of tenderer*)

Company/Business Registration No: \_\_\_\_\_

Tender Closing Date \_\_\_\_\_

Item No.	Description	Rate	Price For Quarterly Test
A.	Complete Fire Protection System.		
B.	Fire Extinguishers		
TOTAL A =			

Annual Price	=	TOTAL A	X	4	=	TOTAL B
	=	.....	X	4	=	.....
Price For 2 Years	=	TOTAL B	X	5	=	.....
	=	.....	X	5	=	.....
TOTAL AMOUNT	=	.....				

1. We offer and undertake on your acceptance of our Tender to provide the above mentioned Services in accordance with your Invitation To Tender.
2. 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.
3. We shall execute a formal agreement in the appropriate form set out in Section 4 "Contract" of the Invitation To Tender together with such further terms and conditions, if any, agreed between the Government and us.
4. OUR OFFER IS VALID FOR **SIX (6)** CALENDAR MONTHS FROM THE TENDER CLOSING DATE.
5. When requested by you, we shall extend the validity of this offer.
6. We further undertake to give you any further information which you may require.

Dated this                      day of    2024

\_\_\_\_\_  
**Signature of authorised officer of Tenderer**  
Name:  
Designation:

Tenderer's official stamp

## FORM 2

### INFORMATION SUMMARY

2.1 Tenderers shall provide in this Schedule the following information:

- (a) Management summary
- (b) Company profile (including Tenderer and sub-contractor(s), if any)
- (c) Years of experience (as of the Tender Closing Date) of the Tenderer and sub-contractor(s) in the:
  - *Provision of maintenance services for fire alarm systems*
- (d) Other information which is considered relevant

**FORM 3**

**SUB-CONTRACTS**

3.1 Tenderers shall complete Table 3.1 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 Tenderer 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

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

## **FORM 4**

### **COMPANY'S BACKGROUND**

- 4.1 Each of the companies involved in this tender, including the Tenderer and sub-contractor(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 (as the case may be).

**FORM 5**

**REFERENCES**

5.1 Tenderers shall submit a list of customers in Table 5.1 to whom the Tenderer has provided similar services 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

<b>Customer Name and Address</b>	<b>Customer Type (Govt or Quasi Govt)*</b>	<b>Contact Person</b>	<b>Title</b>	<b>Contact Number, Fax Number and E-mail Address</b>

**\*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.**

**FORM 6**

**LETTER OF DECLARATION**

7.1 Tenderers are required to complete and submit the Declaration form below.

**DECLARATION FORM**

TENDER REFERENCE : \_\_\_\_\_

TENDER TITLE : \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

---

That I, ..... The owner / one of the  
Owners of ..... Company which  
Participates in the above mentioned tender, hereby declare that I or any member of my  
family do not have any interest in other companies competing for the same tender.

\_\_\_\_\_

**Signature & Company Stamp**

**FORM 7  
SCHEDULE OF PARTS**

**(Prices quoted to include labour)**

	REPLACEMENT OF PARTS	CONVENTIONAL TYPE	ADDRESSABLE TYPE
<b>1.0</b>			
1.1	Smoke Detector	\$	\$
1.2	Heat Detector	\$	\$
1.3	Break Glass Call Point	\$	\$
1.4	Alarm Bell	\$	\$
1.5	Addressable Sounder	\$	\$
1.6	Call Point (Glass Only)	\$	\$
1.7	Batteries:-		
a.	07AH 24V Sealed Lead Acid Battery	\$	\$
b.	10AH 24V Sealed Lead Acid Battery	\$	\$
c.	12AH 24V Sealed Lead Acid Battery	\$	\$
d.	15AH 24V Sealed Lead Acid Battery	\$	\$
e.	17AH 24V Sealed Lead Acid Battery	\$	\$
f.	20AH 24V Sealed Lead Acid Battery	\$	\$
g.	26AH 24V Sealed Lead Acid Battery	\$	\$
h.	30AH 24V Sealed Lead Acid Battery	\$	\$
i.	50AH 24V Sealed Lead Acid Battery	\$	\$
j.	80AH 24V Sealed Lead Acid Battery	\$	\$
k.	40AH 12V SEALED LEAD ACID BATTERY	\$	\$
1.8	Indicating Bulb	\$	\$
1.9	Main Panel Key	\$	\$
1.10	Fit End Of Line Resistor For Zoining	\$	\$
1.11	Fault Buzzer	\$	\$
1.12	Battery Charger	\$	\$
1.13	Zone Module Card	\$	\$
1.14	Spare Glass For Manual Call Point	\$	\$
1.15	Interface Card	n/a	\$
1.16	Line Isolator	n/a	\$
1.17	Loop Card	n/a	\$
1.18	Ram Card	n/a	\$
1.19	I/O Card	n/a	\$
1.20	Detector Base (Addressable)	n/a	\$
1.21	Main Frame Fire Alarm Panel Board		
a.	8 Zone	\$	\$
b.	10 Zone	\$	\$
1.22	Main Frame FAPS c/w Zoning Card& System		
a.	8 Zone	\$	\$
b.	10 Zone	\$	\$
1.23	Printer	n/a	\$
1.24	Printer Paper	n/a	\$
1.25	Surface wiring 2x1.5mm <sup>2</sup> FP100/20 Cable in G.I (red) conduit per meter	\$	\$
1.26	Emergency Exit Sign (with light) per pc. Emergency	\$	\$

1.27	Light (ceiling mounted) per pc.	\$	\$
------	---------------------------------	----	----

<b>2.0</b>	<b>Carbon Dioxide [ CO2 ]</b>	<b>Unit</b>	<b>Price</b>
2.1	CO2 Fire Suppression Panel	set	\$
2.2	Manual Discharge Switch	no.	\$
2.3	Manual Abort Switch	no.	\$
2.4	EVACUATE Sign	no.	\$
2.5	GAS DISCHARGE Sign	no.	\$
2.6	EXIT Sign	no.	\$
2.7	24VDC Warning Strobe Light	no.	\$
2.8	24VDC Warning Siren	no.	\$
2.9	Cylinder refilling [including transport]- 45Kg	kg.	\$
2.10	Cylinder refilling [including transport]- 50Kg	kg.	\$
2.11	New Cylinder [ 45 Kg ]	no.	\$
2.12	Discharge Nozzle.	no.	\$
2.13	Actuator	no.	\$
2.14	Solenoid	no.	\$
2.15	Panel enclosure repainting	lot	\$
2.16	Heat Resistant Cable [ IC 1.5mm <sup>2</sup> ]	meter	\$
2.17	PVC Electrical Pipe	meter	\$
2.18	GI Conduit Pipe	meter	\$
2.19	Fire Alarm Auto Dialer	no.	\$
2.20	Fire Brigade Digital Communicator.	no.	\$
<b>3.0</b>	<b>Relocation of CO2 System.</b>	<b>Unit</b>	<b>Price</b>
a.	Evacuate Sign	no.	\$
b.	Gas Sign	no.	\$
c.	Actuator	no.	\$
d.	Repainting of System	lot.	\$
e.	Installation of new system	lot	\$
f.	Fire resistant cable [ IC 1.5mm <sup>2</sup> ]	meter	\$
g.	Wiring Installation [ IC 1.5mm <sup>2</sup> ]	no.	\$
h.	Relocation of detectors	no.	\$
i.	Silkscreen Mimic Panel	no.	\$

<b>4.0</b>	<b>Piping c/w mounting brackets etc</b>	<b>Unit</b>	<b>Price</b>
4.1	100mm diameter	meter	\$
4.2	75mm diameter	meter	\$
4.3	50mm diameter	meter	\$
4.4	40mm diameter	meter	\$
4.5	25mm diameter	meter	\$
4.6	20mm diameter	meter	\$
<b>5.0</b>	<b>Servicing of Fire Extinguisher</b>	<b>Unit</b>	<b>Price</b>
5.1	Water 9.0L [ gas Cartridge Type ]		
a.	New Cylinder	no.	\$
b.	Refill	no.	\$
c.	Servicing	no.	\$
d.	Valve assembly	no.	\$
e.	Discharge Nozzle	no.	\$
f.	Safety Pin	no.	\$
g.	Safety Seal	no.	\$

h.	CO2 Cartridge	no.	\$
5.2	Dry Chemical [ 2.0kg/2.5kg ]		\$
a.	New Cylinder	no.	\$
b.	Refill	no.	\$
c.	Servicing	no.	\$
d.	Valve assembly	no.	\$
e.	Discharge Nozzle	no.	\$
f.	Safety Pin	no.	\$
g.	Safety Seal	no.	\$
h.	CO2 Cartridge	no.	\$
5.3	Dry Chemical [ 4.0kg/4.5kg ]		\$
a.	New Cylinder	no.	\$
b.	Refill	no.	\$
c.	Servicing	no.	\$
d.	Valve assembly	no.	\$
e.	Discharge Nozzle	no.	\$
f.	Safety Pin	no.	\$
g.	Safety Seal	no.	\$
h.	CO2 Cartridge	no.	\$
5.4	Carbon Dioxide [ 2.0kg/2.3kg ]		\$
a.	New Cylinder	no.	\$
b.	Refill	no.	\$
c.	Servicing	no.	\$
d.	Valve assembly	no.	\$
e.	Discharge Nozzle	no.	\$
f.	Safety Pin	no.	\$
g.	Safety Seal	no.	\$
h.	CO2 Cartridge	no.	\$
5.5	Foam 9.0L		\$
a.	New Cylinder	no.	\$
b.	Refill	no.	\$
c.	Servicing	no.	\$
d.	Valve assembly	no.	\$
e.	Discharge Nozzle	no.	\$
f.	Safety Pin	no.	\$
g.	Safety Seal	no.	\$
h.	CO2 Cartridge	no.	\$
5.6	Dry Powder [ 2.0kg/2.5kg ]		\$
a.	New Cylinder	no.	\$
b.	Refill	no.	\$
c.	Servicing	no.	\$
d.	Valve assembly	no.	\$
e.	Discharge Nozzle	no.	\$
f.	Safety Pin	no.	\$
g.	Safety Seal	no.	\$
h.	CO2 Cartridge	no.	\$
5.7	Sticker	Per Pc	\$
5.8	Pendaftaran Nombor	Per Cylinder	\$
5.9	Bracket	Per Pc	\$
<b>6.0</b>	<b>Fire Hosereel Parts</b>	<b>Unit</b>	<b>Price</b>
6.1	Hosereel set [ 25mm x 30m ]	set	\$
6.2	PVC Non-Kink Rubber Hose	no	\$
6.3	Gate Valve [ 2", 4", 6" ]	no	\$

6.4	Chromed Nozzles	no	\$
6.5	Hose Clip	no	\$
6.6	Hosereel drum	no	\$
6.7	Hosereel cabinet	no	\$
6.8	Nozzles wall bracket	no	\$
6.9	Cabinet lock	no	\$
6.10	Emergency key box	no	\$
6.11	Hosereel sign label	no	\$
6.12	Key box replacement glass	no	\$
6.13	Inspection label	no	\$
6.14	Drum / cabinet repainting	no	\$
6.15	Motor Pump	no	\$
6.16	Motor pump overhauling	no	\$
6.17	Re-piping per meter [ surface ] 50mmØ	meter	\$
6.18	Re-piping per meter [ underground]	meter	\$
6.19	Pressure switch [ any range c/w calibration and setting ]	no	\$
6.20	Pressure gauge [ any range c/w calibration and setting ]	no	\$
6.21	Panel indicator bulb	no	\$
6.22	Panel fuse	no	\$
6.23	Float switch	no	\$
6.24	Check valve [50mmØ]	no	\$
6.25	Gate Valve [50MMØ]	no	\$
6.26	Strainer [50mmØ]	no	\$
6.27	Panel relay	no	\$
6.28	Replacement of control panel	no	\$
6.29.	Relocation of detectors	no	\$
6.30	Mimic Drawing + Panel	no	\$
6.31	Float Ball (Complete Set)	no	\$
6.32	25mm diameter elbow joint	no	\$
6.33	Pressure Switch (Covered 300mm x 100mm x 300mm)	no	\$

**FORM 8**

**LIST OF MANPOWER ALLOCATION**

**FOREMAN/ SUPERVISOR**

**Name:**

---

**Brunei I/C No & Colour:**

---

**Date of Issue:**

---

**Valid until:**

---

**Qualification:**

---

---

**Experience:**

---

**TECHNICIAN**

**Name:**

---

**Brunei I/C No & Colour:**

---

**Date of Issue:**

---

**Valid until:**

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**Qualification:**

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**Experience:**

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**TRADESMAN / ELECTRICIAN**

**Name:**

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**Brunei I/C No & Colour:**

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**Date of Issue:**

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**Valid until:**

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**Qualification:**

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**Experience:**

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