

DEMOCRATIC SOCIALIST REPUBLIC OF SRILANKA  
MINISTRY OF HEALTH

**SUPPLY AND INSTALLATION OF FIRE PROTECTION AND  
DETECTION SYSTEM FOR HAEMODIALYSIS UNIT  
GENERAL HOSPITAL (TEACHING), PERADENIYA**

CONTRACT NO. ....

**BIDDING DOCUMENT**

Volume I (To be retained by the Bidder)

- Section 01 – Instructions to Bidders
- Section 02 – Standard Forms (Contract)
- Section 03 – Conditions of Contract

Volume II (To be submitted as Original of Document)

- Invitation for Bid
- Section 04 – Form of Bid and Qualification Information
- Section 05 – Schedule
- Section 06 – Specifications
- Section 07 – Bill of Quantities
- Section 08 - Drawings
- Section 09 – Standard Forms (Bid)

Volume III (To be submitted as copy of Document)

- Section 04 – Form of Bid and Qualification information
- Section 07 – Bill of Quantities

**CONSULTANT**

CENTRAL ENGINEERING CONSULTANCY BUREAU,  
NO.415,  
BAUDDHALOKA MAWATHA,  
COLOMBO 07.

**CLIENT**

DIRECTOR,  
GENERAL HOSPITAL (TEACHING),  
PERADENIYA.

FEBRUARY 2021

# CONTENTS

Page

<b>Section 04 - Form of Bid &amp; Qualification information</b>	<b>1</b>
Form of Bid	2
Qualification Information	4
<b>Section 07 - Bill of Quantities</b>	<b>5</b>
Preambles to Bill of Quantities	6
Bill of Quantities	8

**SECTION – 04**

**FORM OF BID  
AND  
QUALIFICATION INFORMATION**

**FORM OF BID**

Name of Contract: **Supply and Installation of Fire Protection and Detection System for Heamodialysis Unit, General Hospital (Teaching), Peradeniya**

To: Director,  
General Hospital (Teaching),  
Peradeniya,

Gentleman,

1. Having examined the conditions of Contract given in the Standard Bidding Document - Procurement of Works - Minor Contracts (ICTAD/SBD/03-Second Edition, January 2007 & Addendum 01 issued in January 2009), Schedule, Specifications, Drawings and Bills of Quantities and Addenda for the execution of the above-named Works, We/I the undersigned, offer to execute and complete such works and remedy any defect therein in conformity with the aforesaid Conditions of Contract, schedule, Specifications, Drawings, Bill of Quantities and Addenda for the sum of Sri Lankan Rupees.....  
.....  
.....  
(Rs.....) or such other sums as may be ascertained in accordance with the said Conditions.
2. We/I acknowledge that the Schedule for Conditions of Contract forms part of our Bid.
3. We/I undertake, if our Bid is accepted, to commence the Works as stipulated in the Schedule and to complete the whole of the Works comprised in the Contract within the time stated in the Schedule.
4. We/I agree to abide by this Bid for the period of **Ninety One (91)** Days from the Date fixed for receiving of bids or any extended period and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
5. Unless and until a formal Agreement is prepared and executed this Bid, together with your written acceptance thereof, shall constitute a binding contract between us/me.

6. We/I understand that you are not bound to accept the lowest or any Bid you may receive.

Dated this..... Date of ..... 20.... in the capacity of ..... duly authorized to sign Bids for an on behalf of .....  
..... (IN BLOCK CAPITALS)

Signature : .....

Name : .....

Designation : .....

Address : .....

.....

.....

Witness : .....

.....

.....

(Name, Address and Signature)

## Qualification Information

To be completed by the bidder and submitted with the bid.

	<b>Eligibility Requirement</b>	<b>Bidder's Qualification</b>
<b>CIDA Registration</b> Attached a certified copy of CIDA registration Booklet page with CIDA registration Grade		
Registration number		
Grade	<b>EM4 and above</b>	
Specialty	<b>Electrical &amp; Mechanical Services (EM) - FDPS</b>	
Expiry Date		
<b>Blacklisted Contractors</b>		
Have you ever been declared as a defaulted contractor by NPA or any other Agency?		Yes/No
<b>IF yes provide details</b>		
<b>VAT Registration Number</b>		
<b>Construction Program</b> (attach as annex)		
<b>Legal Status</b> (Public company/Private Company/Partnership/Sole proprietor)		
	<b>Eligibility Requirement</b>	<b>Bidder's Qualification</b>
<b>Qualification and experience of Key staff</b>	Category, Experience and Qualifications	Required Nos.
	1. Engineering Assistant - NDT or equivalent with 2 years' Experience	<b>01</b>
	2.	

Signature of the Bidder: .....

**SECTION - 07**

**BILL OF QUANTITIES**

## PREAMBLE TO THE BILL OF QUANTITIES

1. The Conditions of Contract, the Specifications are to be read in conjunction with the Bill of Quantities.
2. The cost of complying with all conditions, obligations and liabilities described in the Conditions of Contract and the Specifications and the Bill of Quantities **including all overhead charges (excluding VAT), profit and Preliminaries** and carrying out the work as described shall be deemed to be spread over and included in the prices or sums stated by the Bidder in the Bill of Quantities. VAT should be separately added.
3. If the Bidder failed to price any Items in the Bill of Quantities then the cost of the work under such Item shall be held to be spread over and included in the prices given against other Items of work.
4. When trade names, brand and/or catalogue numbers are referred to, sole preference to any material or equipment is not intended. Any other material or equipment may be used, provided that the characteristics of type, quality, appearance, finish, method of construction and/or performance is equal to or superior to specify.
5. Whenever the method of measurement is not clear from documents available, the principles as given in the Sri Lanka Standard 573, 1999, Method of Measurement of Building Work shall be applicable.
6. All items of work shall comply exactly with the Contract unless otherwise approved by the Engineer and the rates and sums inserted in the Bill of Quantities shall be deemed to apply to the work as specified. If, for his convenience or reasons of availability, the Contractor proposes and the Engineer approves the use or provision of alternative items, materials or method of working, or equivalent or superior quality to those specified in the Contract, the rates and sums inserted in the Bill of Quantities shall not in any case be increased as a result.
7. The quantities set out in the Bill of Quantities are provisional and cover the approximate scope of the work which is anticipated to be performed by the Contractor. The actual quantities used for final measurement purposes will be determined by the Engineer by measurement of the work completed by the Contractor.
8. Where, for his own purposes or due to his own default, the Contractor carries out the Works in such a manner that the quantity of any Item of work in particular component to be measured for payment purposes differs from that directed by the Engineer, then payment shall be made according to the lesser of the actual quantity and that directed. An excess quantity in one part of the component shall not, however, be allowed to offset a deficit elsewhere in the same component for measurement purposes.
9. Where the determination for payment purposes of the quantity of any Item of work depends upon the measurement of existing features or ground levels and the like, then prior to carrying out any operations which might affect such measurement, the Contractor shall first take such levels and measurements as the Engineer may direct and, after the Engineer has had the opportunity to check the same, they shall be certified as agreed by both the Engineer and the Contractor.
10. In the event that the Contractor fails to observe the above procedure, the Engineer shall determine the quantity to be assumed for payment purposes using the best information available to him, and his decision in the matter shall be final.



11. Selected Bidder shall comply with the arrangement of work in the buildings and be ready to work part by part as required by the Authorities of General Hospital (Teaching), Peradeniya.
12. Rates in the Bill of Quantities shall include all necessary materials such as cables, PVC conduits, PVC sunk boxes etc and labour required to complete the electrical installation to good working order.
13. Except where specifically stated, all costs associated with provision of all holes, openings, chases and ducts in other builders' work required for installation and make them good , shall be included in the rates.
14. Bidder should pay special attention to the work to be carried out, causing minimum disturbance or hindrance to the normal functions and activities of the users of the General Hospital (Teaching), Peradeniya.
15. The Bills of Quantities should therefore, be priced to reflect all factors that would affect the bid and the progress of the works.
16. All electrical accessories should comply with relevant BS/IEC standards. For electrical accessories, manufacturer's guarantee should be produced if necessary.
17. The wiring installation shall comply with the requirements of IEE Wiring Regulations, latest edition.
18. Bidder should pay special attention to the work to be carried out, causing minimum disturbance or hindrance to the normal functions and activities of the users of the General Hospital, Kandy
19. Screens should be provided to prevent dust escaping from working areas.
20. Metric units are used throughout the Bill of Quantities for measurement purposes unless otherwise indicated. Abbreviations used in the Contract are as follows:-

mm	-	Millimeter
m	-	Linear meter
kg	-	Kilogram
m <sup>2</sup>	-	Square meter
m <sup>3</sup>	-	Cubic meter
nr	-	Number
Rs.	-	Sri Lankan Rupees
Cts.	-	Cents
P. S.	-	Provisional sum
L. S.	-	Lump Sum

**SUPPLY AND INSTALLATION OF FIRE PROTECTION AND DETECTION SYSTEM FOR  
HAEMODIALYSIS UNIT  
GENERAL HOSPITAL (TEACHING) - PERADENIYA  
BILL OF QUANTITIES**

**MECHANICAL WORKS**

	DESCRIPTION	UNIT	QTY	RATE Rs. Cts.	AMOUNT Rs. Cts.
	<p><b>Note-1</b> Allowed for all cost of supply including CIF, CID, PAL, clearing charges, transport charges, erection, factory testing, site testing, commissioning as per specification and drawings and profits etc.</p> <p><b>Note-2</b> Allowed for cost of providing security bonds, guaranties, insurance of personnel, property, material against accidents, damage, trespass or theft.</p> <p><b>Note-3</b> Allowed for the cost of all temporary works such as scaffolding etc. associated civil and electrical works related to the installation of Air Conditioning System such as drilling of suitable holes in walls, breaking of any parts of walls and finishing works of the same such as plastering, painting, etc. electrical power / control wiring, services connections, etc.</p>				
<b>A</b>	<b>FIRE PROTECTION AND DETCTION SYSTEM</b>				
<b>1A</b>	<b>FIRE PROTECTION SYSTEM</b>				
	<p>Packaged Fire Pump Set (or individual two pumps and a Jockey pump) Supply and installation of <b>Packaged Fire Pump Set</b> (or system with individual two pumps with jockey pump) consisting of fire pumps (01 duty, 01 standby) of capacity <b>60 l/min at delivery head of 60m</b>, required for the efficient operation of the fire protection system, Electrical Control Panel for above pumps complete with wiring as per specification, suction pipes, delivery manifold, fittings, valves, gauges, pressure chamber, 2 Nos. pressure switches, automatic air vent, etc. as per specifications and drawings.</p>				
1A-1	(a) Supply and Installation Cost	nr	1	.....	.....

	DESCRIPTION	UNIT	QTY	RATE Rs. Cts.	AMOUNT Rs. Cts.
	<p>Pipes and Valves 60mm diameter. medium duty GI pipe from fire pump delivery manifold to 3rd floor ( Future expansion) through duct at fire fighting lobby and 60mm diameter medium duty GI pipe to hose reels at each floor near the passenger lift with necessary connections for connecting landing valves and hose reels at each floor level complete with fittings, pressure tank, valves and gauges, automatic air vent, and control system with valves, pressure switches, pressure gauges, drain pipe etc. required for the total system as per Specification and Drawings required for efficient operation of the system.</p>				
1A-2	(a) Supply and installation Cost	m	30	.....	.....
	<p>Hose Reel Manually operated, swing type fire hose reels ( <b>20mm diameter, 45m long</b> ) complete with nozzle stop valve etc.</p>				
1A-3	(a) Supply and installation Cost	nr.	3	.....	.....
	<p>Fire Cabinet Hose reel cabinets in each floor level at the locations shown in the drawings.</p>				
1A-4	(a) Supply and installation Cost	nr.	2	.....	.....
	<p>Portable Fire Extinguishers 9 litre water/CO<sub>2</sub> portable fire extinguishers fully charged complete with metal brackets fixed on to wall at the locations shown in the drawings.</p>				
1A-5	(a) Supply and installation Cost	nr.	6	.....	.....
	<p>2 kg CO<sub>2</sub> portable fire extinguishers fully charged complete with metal brackets fixed on to wall at the locations shown in the drawings.</p>				
1A-6	(a) Supply and installation Cost	nr.	7	.....	.....
	<p>9ltr Foam Stored Pressure "Defender" Fire Extinguisher Complete with Charged, discharge hose &amp; wall bracket as shown in the drawings.</p>				
1A-7	(a) Supply and installation Cost	nr.	6	.....	.....

	DESCRIPTION	UNIT	QTY	RATE Rs. Cts.	AMOUNT Rs. Cts.
	6 kg ABC dry powder fire extinguishers fully charged complete with metal brackets fixed on to wall at the locations shown in the drawings.				
1A-8	(a) Supply and installation Cost	nr.	1	.....	.....
	<u>Fire Exit and Exit sign boards</u>				
	Photo luminescent type Exit sign boards with standard symbols				
1A-9	(a) Supply and installation Cost	nr.	10	.....	.....
	Photo luminescent type Fire Exit sign boards with standard symbols				
1A-10	(a) Supply and installation Cost	nr.	10	.....	.....
<b>2A</b>	<b>FIRE DETECTION SYSTEM</b>				
	Supply and installation of <b>Single Loop Addressable type</b> , Fire Alarm Control Panel including battery & battery charger.				
2A-1	(a) Supply and installation Cost	nr.	1	.....	.....
	Supply and installation of Addressable type smoke detectors				
2A-2	(a) Supply and installation Cost	nr.	6	.....	.....
	Supply and installation of Addressable type heat detectors				
2A-3	(a) Supply and installation Cost	nr.	3	.....	.....
	Supply and installation of Addressable type manual call point.				
2A-4	(a) Supply and installation Cost	nr.	6	.....	.....
	Supply and installation of electronic sounders				
2A-5	(a) Supply and installation Cost	nr.	4	.....	.....
	Supply and installation of strobe lights				
2A-6	(a) Supply and installation Cost	nr.	4	.....	.....
	Supply and installation of following cables and required accessories including termination at both ends.				

	DESCRIPTION	UNIT	QTY	RATE Rs. Cts.	AMOUNT Rs. Cts.
2A-7	2.5 mm <sup>2</sup> twin fire resistant cable to BS 6387, AWS / SWX drawn through G.I. conduit for the connection of main power supply to fire alarm control panel. (Rate excluding supply and installation of GI conduit) (a) Supply and installation Cost	m	20	.....	.....
2A-8	2.5 mm <sup>2</sup> twin fire resistant cable to BS 6387, AWS / SWX drawn through G.I. conduit in vertical ducts for the connection from fire alarm control panel to electronic sounders and strobe lights. (Rate excluding supply and installation of GI conduit) (a) Supply and installation Cost	m	120	.....	.....
2A-9	2.5 mm <sup>2</sup> twin PVC insulated copper cable to BS 6004 drawn through embedded PVC conduit for the connection from fire alarm control panel to electronic sounders and strobe lights. (a) Supply and installation Cost	m	220	.....	.....
2A-10	1.5 mm <sup>2</sup> twin PVC insulated copper cable to BS 6004 drawn through embedded PVC conduit and G.I. conduit in vertical ducts for connection of smoke detectors, heat detectors and manual call points to fire alarm control panel. (Rate excluding supply and installation of GI conduit) (a) Supply and installation Cost	m	100	.....	.....
2A-11	25mm diameter G.I. conduit for cables (a) Supply and installation Cost	m	150	.....	.....
2A-12	Testing and commissioning of fire protection and detection system	Item	Lot	.....	.....

**SUPPLY AND INSTALLATION OF FIRE PROTECTION AND DETECTION SYSTEM FOR HAEMODIALYSIS UNIT**

**GENERAL HOSPITAL (TEACHING) - PERADENIYA  
BILL OF QUANTITIES**

**SUMMARY**

Bill No	DESCRIPTION	AMOUNT	
		Rs	Cts
<b>A</b>	<b>Fire Protection and Detection System</b>		
(a)	<b>Sub Total 1</b>		
(b)	Less: Provisional Sum		
(c)	Sub Total II (a-b)		
(d)	Less: Discount if any (.....%)		
(e)	Sub Total III (c-d)		
(f)	Add : Provisional Sum (b)		
	<b>TOTAL BID SUM WITHOUT VAT</b>		

Total Bid Sum to be taken in to Form of Bid ( Page No. 4) in words Rupees: .....

..... only.

Amount of V.A.T.(Prevailing VAT) for the Total Bid Sum :- Rs. ....

Bidder's VAT Registration No: .....

Time after free maintenance period	Year 1	Year 2	Year 3	Year 4	Year 5
Maintenance cost	.....	.....	.....	.....	.....

.....  
Signature of Bidder

Name and Address of Bidder:  
.....  
.....  
.....

Date.....

.....  
Signature of Witness (1)

.....  
Signature of Witness (2)

Name and Address of Witness (1)  
.....  
.....  
.....

Name and Address of Witness (2)  
.....  
.....  
.....

Date.....

Date.....