

DEMOCRATIC SOCIALIST REPUBLIC OF SRILANKA
MINISTRY OF HEALTH

**SUPPLY AND INSTALLATION OF LIGHTNING PROTECTION
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

Section 04 - Form of Bid & Qualification information	1
Form of Bid	2
Qualification Information	4
Section 07 - Bill of Quantities	5
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 a Bed Lift 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.

	Eligibility Requirement	Bidder's Qualification
CIDA Registration Attached a certified copy of CIDA registration Booklet page with CIDA registration Grade		
Registration number		
Grade	EM4 and above	
Specialty	Electrical & Mechanical Services (EM) - EET	
Expiry Date		
Blacklisted Contractors		
Have you ever been declared as a defaulted contractor by NPA or any other Agency?		Yes/No
IF yes provide details		
VAT Registration Number		
Construction Program	(attach as annex)	
Legal Status	(Public company/Private Company/Partnership/Sole proprietor)	
	Eligibility Requirement	Bidder's Qualification
Qualification and experience of Key staff	Category, Experience and Qualifications	Required Nos.
	1. Engineering Assistant - NDT or equivalent with 2 years' Experience	01
	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 ²	-	Square meter
m ³	-	Cubic meter
nr	-	Number
Rs.	-	Sri Lankan Rupees
Cts.	-	Cents
P. S.	-	Provisional sum
L. S.	-	Lump Sum

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

ITEM	DESCRIPTION	QTY	UNIT	RATE Rs. Cts.	AMOUNT Rs. Cts.
	<p>Direct Lightning Protection System Supply and installation of the following items for the complete lightning protection system of the building as specified and complying with IEC 62305.</p> <p>Rate include for all required exo-thermic weld joints, clamps, bonds, and fixing accessories.</p> <p>Contractor shall carry out installation work with minimum disturbance to the occupants of the premises.</p> <p>Any damage to the building (roof, ceiling, walls, floor etc.) while performing the installation work shall be repaired by the contractor at their own cost.</p> <p>Air Termination Network Supply and installation of the following items for the complete Air Termination Network of the building as per the drawings and specifications.</p>				
5A-1	Supply & Installation of annealed copper tape of minimum 25mm width x minimum 3mm thickness for eight down conductors.(Rate shall include all required joints, clamps,exothermic bonds and fixing accessories.)	150	m	.....	.....
5A-2	Supply & Installation of Oblong Test Clamp mounted in a yellow PVC enclosure on the down conductor at 1m above ground level.	4	nr	.....	.....
5A-3	<p>Copper Tape up to Earth Electrode Supply and installation of 25mm x 3mm solid copper tape along the columns from test joints to earth pits through PVC conduit as per the drawings. Cost for all accessories and all related civil works with finishing shall be included in linear meter rate.</p> <p>Earth Termination Rate shall include the cost for all fixing accessories,backfilling and surface finishing required for completion of work. Final earth resitance value shall be less than 10 Ohms,tasted in a dry day.</p>	10	m	.....	.....

ITEM	DESCRIPTION	QTY	UNIT	RATE Rs. Cts.	AMOUNT Rs. Cts.
5A-4	Supply & Installation of one number solid copper earth electrode of minimum 12mm dia. and length 1.2 m (Rate shall include rod to tape clamp & all required accessories.)	4	nr	.....	.....
5A-5	Provide an earth pit of 300mm x 300mm x 200mm with a 50mm thick removable concrete lid for each down conductor.	4	nr	.....	.....
5A-6	Supply & Installation of additional earth electrodes of minimum 12 mm diameter & 1.2 m long (with an inspection pit for each) if necessary to achieve 10 Ohm earth resistance.		Pro Sum		30,000.00
5A-7	Bonding of extraneous metal parts to Lightning protection system.		Pro Sum		20,000.00
5A-8	Builders' Work All required builders' work including breaking of walls/floor, drilling, finishing to the satisfaction of the engineer.		Item		.....
5A-9	Inspection and Testing Testing of the complete installation and certification by a Chartered Electrical Engineer and providing to witnessing of tests by an Engineer.		Item		.....
5A-10	As Built Drawings Provide 3 sets of hard copy & 1 set of soft copy in a CD.		Item		.....
	Total for Direct Lightning Protection System				.....

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

BILL OF QUANTITIES

SUMMARY

Bill No	DESCRIPTION	AMOUNT	
		Rs	Cts
A	Direct Lightning Protection System		
(a)	Sub Total 1		
(b)	Less: Provisional Sum		50,000.00
(c)	Sub Total II (a-b)		
(d)	Less: Discount if any (.....%)		
(e)	Sub Total III (c-d)		
(f)	Add : Provisional Sum (b)		50,000.00
	TOTAL BID SUM WITHOUT VAT		

Total Bid Sum to be taken in to Form of Bid (Page No. 3) in words Rupees:

 only.

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

Bidder's VAT Registration No:

.....
 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.....